

Sunday, November 1, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

| | | | | | | |
|--------------------|---------------|---------------------|---------------|-------------|-------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 62 °F | Dir. NW | Temp 70 °F | -4A:1120-1200 | | | |
| Min. 42 °F | Vel. 3 m.p.h. | Read. 28.98 in. | -4A:1740-1420 | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 42 % | 24 hr. Mov. | Sea L. 28.86 in. | | | | |
| Ppn. Liq. 65 % | Prev. Dir. | 30.17 in. | | | | |
| Ppn. Sol. 0.06 in. | Snow Depth | 3 hr. Tend. +1.2 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer 4.8 | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. ALCU | Clds. | Clds. 0/10 |
| | | | | Wx Clear | Wx | Wx CLR |
| | | | | Vis. 25 mi. | Vis. | Vis. 25 mi. |

Monday, November 2, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 53 °F | Dir. - | Temp 70 °F | | | | |
| Min. 31 °F | Vel. 0 m.p.h. | Read. 29.10 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 32 % | 24 hr. Mov. | Sea L. 28.99 in. | | | | |
| Ppn. Liq. 100 % | Prev. Dir. | 30.40 in. | | | | |
| Ppn. Sol. 0.00 in. | Snow Depth | 3 hr. Tend. -0.0 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AF | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. 0/10 | Clds. CI | Clds. ALCU |
| | | | | Wx CLR | Wx M. clear | Wx M. clear |
| | | | | Vis. 17 mi. | Vis. 25 mi. | Vis. 25 mi. |

Tuesday, November 3, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|--------------|-------|--------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 55 °F | Dir. SW | Temp 69 °F | | | | |
| Min. 32 °F | Vel. 1 m.p.h. | Read. 28.96 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 42 % | 24 hr. Mov. | Sea L. 28.85 in. | | | | |
| Ppn. Liq. 76 % | Prev. Dir. | 30.24 in. | | | | |
| Ppn. Sol. 0.00 in. | Snow Depth | 3 hr. Tend. +2.2 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AB | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. ST | Clds. | Clds. 3/10 |
| | | | | Wx P. cloudy | Wx | Wx P. cloudy |
| | | | | Vis. 25 mi. | Vis. | Vis. 17 mi. |

Wednesday, November 4, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|--------------|-------------|--------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 54 °F | Dir. W | Temp 70 °F | | | | |
| Min. 30 °F | Vel. 4 m.p.h. | Read. 29.11 in. | | | | |
| Set | Char. Light | Corr. | | | | |
| R.H. 42 % | 24 hr. Mov. | Sea L. 30.54 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. -0.0 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer BS | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. 4/10 | Clds. ST | Clds. BU |
| | | | | Wx P. cloudy | Wx CI | Wx P. cloudy |
| | | | | Vis. 17 mi. | Vis. 17 mi. | Vis. 25 mi. |

Thursday, November 5, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|----------------------|--------------|-------------|--------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 46 °F | Dir. WSW | Temp 68 °F | -DZ 1800-1900, 1915- | | | |
| Min. 30 °F | Vel. 3 m.p.h. | Read. 29.07 in. | | | | |
| Set | Char. Light | Corr. | | | | |
| R.H. 94 % | 24 hr. Mov. | Sea L. 30.37 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. -1.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AB | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. ST | Clds. ST | Clds. AS |
| | | | | Wx M. cloudy | Wx Cloudy | Wx P. cloudy |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Friday, November 6, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|--|--------------|-------------|--------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 45 °F | Dir. NW | Temp 68 °F | -SHEA 1245-1300 LT SHEA 1430-1500 LT, 1520-1540 LT | | | |
| Min. 33 °F | Vel. 2 m.p.h. | Read. 29.19 in. | | | | |
| Set | Char. Light | Corr. | | | | |
| R.H. 75 % | 24 hr. Mov. | Sea L. 30.50 in. | | | | |
| Ppn. Liq. 0.01 in. | Prev. Dir. | 3 hr. Tend. +2.0 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer KR | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. Se | Clds. CI | Clds. 0/10 |
| | | | | Wx P. cloudy | Wx M. clear | Wx P. cloudy |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Saturday, November 7, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|-------------|-------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 46 °F | Dir. SE | Temp 70 °F | | | | |
| Min. 28 °F | Vel. 1 m.p.h. | Read. 29.10 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 75 % | 24 hr. Mov. | Sea L. 30.46 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. -1.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer FM | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. 0/10 | Clds. | Clds. 0/10 |
| | | | | Wx cold | Wx | Wx CLR |
| | | | | Vis. 17 mi. | Vis. | Vis. 25 mi. |

Sunday, November 8, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|-------------|-------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 56 °F | Dir. Var | Temp 70 °F | | | | |
| Min. 28 °F | Vel. 0 m.p.h. | Read. 28.98 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 76 % | 24 hr. Mov. | Sea L. 30.17 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. +2.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AB | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. CI | Clds. | Clds. 0/10 |
| | | | | Wx Calm | Wx | Wx CLR |
| | | | | Vis. 25 mi. | Vis. | Vis. 25 mi. |

Monday, November 9, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 70 °F | Dir. - | Temp 70 °F | | | | |
| Min. 42 °F | Vel. 0 m.p.h. | Read. 29.30 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 100 % | 24 hr. Mov. | Sea L. 30.60 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. +0.5 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AF | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. 0/10 | Clds. ST | Clds. ST |
| | | | | Wx CLR | Wx overcast | Wx cloudy |
| | | | | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |

Tuesday, November 10, 2009 0700 EST
 Meteorological Observatory
 University Park, PA
 General Obs.

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|--------------------|---------------|---------------------|------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 67 °F | Dir. - | Temp 70 °F | | | | |
| Min. 42 °F | Vel. 0 m.p.h. | Read. 29.20 in. | | | | |
| Set | Char. Calm | Corr. | | | | |
| R.H. 82 % | 24 hr. Mov. | Sea L. 30.49 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. | 3 hr. Tend. +1.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth | Observer AS | | | | |
| | | | | 0700 | 1300 | 1900 |
| | | | | Clds. ST | Clds. ST | Clds. 6/10 |
| | | | | Wx cloudy | Wx cloudy | Wx cloudy |
| | | | | Vis. 25 mi. | Vis. 10 mi. | Vis. 17 mi. |

T: 52 TDavis: 42/35 Tw: 39
 ADD: 13 Tuvv: 42/33 TD: 33
 ZHDD: 13 MMTS: 60/41/41
 CDD: 0
 ZCDD: 0

ZPCNL: 0.06"
 ZPCNS: 0.0"
 11/11/09
 ZPCNL: 0.06"
 ZPCNS: 0.0"
 11/2/2009

T: 44 TDavis: 42/38 Tw: 40
 HDD: 21 Tunv: 41/34 TD: 35
 ZHDD: 57 MMTS: 54/30/41
 CDD: 0
 ZCDD: 0

ZPCNL: 0.06"
 ZPCNS: 0.00"
 11/3/2009
 ZPCNL: 0.06"
 ZPCNS: 0.00"
 11/4/09

T: 38 TDavis: 26/35 Tw: 37
 HDD: 27 Tunv: 31/35 TD: 35
 ZHDD: 107 MMTS: 44/30/35
 CDD: 0
 ZCDD: 0

ZPCNL: 0.06"
 ZPCNS: 0.00"
 11/5/2009
 ZPCNL: 0.07"
 ZPCNS: 0.00"
 11/6/2009

T: 37 TDavis: 30/24 Tw: omit
 HDD: 28 Tunv: 27/23 TD: 24
 ZHDD: 161 MMTS: 44/27/28
 CDD: 0
 ZCDD: 0

ZPCNL: 0.07"
 ZPCNS: 0.00"
 11/7/2009
 ZPCNL: 0.07"
 ZPCNS: 0.0"
 11/7/2009

T: 56 TDavis: 48/45 Tw: 42
 HDD: 9 Tunv: 43/42 TD: 42
 ZHDD: 143 MMTS: 68/41/41
 CDD: 0
 ZCDD: 0

T: 42 TDavis: 33/32 Tw: -
 HDD: 23 Tunv: 30/30 TD: 32
 ZHDD: 36 MMTS: 52/30/31
 CDD: 0
 ZCDD: 0

ZPCNL: 0.06"
 ZPCNS: 0.0"
 11/2/2009

T: 42 TDavis: 32/29 Tw: M
 HDD: 23 Tunv: 29/27 TD: 28
 ZHDD: 85 MMTS: 53/29/30
 CDD: 0
 ZCDD: 0

ZPCNL: 0.06"
 ZPCNS: 0.00"
 11/4/09

T: 39 TDavis: 34/26 Tw: missing
 HDD: 26 Tunv: 33/24 TD: 26
 ZHDD: 133 MMTS: 44/32/32
 CDD: 0
 ZCDD: 0

ZPCNL: 0.07"
 ZPCNS: 0.00"
 11/6/2009

T: 42 TDavis: 46/39 Tw: 40
 HDD: 23 Tunv: 40/34 TD: 36
 ZHDD: 184 MMTS: 54/28/42
 CDD: 0
 ZCDD: 0

ZPCNL: 0.07"
 ZPCNS: 0.0"
 11/7/2009

T: 55 TDavis: 51/45 Tw: 47
 HDD: 10 Tunv: 48/43 TD: 43
 ZHDD: 203 MMTS: 65/41/47
 CDD: 0
 ZCDD: 0

ZPCNL: 0.07"
 ZPCNS: 0.0"
 11/9/2009
 ZPCNL: 0.07"
 ZPCNS: 0.0"
 11/10/2009

Wednesday November 11, 2009 0700 EST
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|--------------------|-------------------|------------------|-----------|------------|----------------------|----------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 58 °F | Dir. ENE | 70 °F | 70 °F | Vel. ENE | Read. 29.20 in. | Sea L. 30.60 in. | Clds. 5/10 | Clds. 4/10 | Clds. 8/10 |
| Min. 42 °F | Vel. 2 m.p.h. | Read. 29.20 in. | Corr. | Char. calm | Corr. | 3 hr. Tend. +1.05 mb | Wx p-cloudy | Wx cloudy | Wx cloudy |
| Set 42 °F | Char. calm | Corr. | 29.03 in. | Prev. Dir. | Observer | Observer | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |
| R.H. 73 % | 24 hr. Mov. — mi. | Sea L. 30.60 in. | 0700 | — | 3 hr. Tend. +1.05 mb | Observer | Wx 5/10 | Wx 4/10 | Wx 8/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.48 in. | 1300 | — | 3 hr. Tend. +1.05 mb | Observer | Wx cloudy | Wx cloudy | Wx cloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1.05 mb | Observer | Wx p-cloudy | Wx cloudy | Wx cloudy |
| | | | | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Thursday November 12, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|--------------|-------------------|-------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 51 °F | Dir. N | 69 °F | 69 °F | Vel. N | Read. 29.14 in. | Sea L. 30.44 in. | Clds. 3/10 | Clds. 8/10 | Clds. 8/10 |
| Min. 36 °F | Vel. 6 m.p.h. | Read. 29.14 in. | Corr. | Char. Breezy | Corr. | 3 hr. Tend. -1 mb | Wx m. clear | Wx calm | Wx cloudy |
| Set 37 °F | Char. Breezy | Corr. | 29.03 in. | Prev. Dir. | Observer | Observer | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |
| R.H. 76 % | 24 hr. Mov. — mi. | Sea L. 30.44 in. | 0700 | — | 3 hr. Tend. -1 mb | Observer | Wx 3/10 | Wx 8/10 | Wx 8/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.44 in. | 1300 | — | 3 hr. Tend. -1 mb | Observer | Wx m. clear | Wx calm | Wx cloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. -1 mb | Observer | Wx chilly | Wx chilly | Wx cloudy |
| | | | | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Friday November 13, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|-------------|---------------------|---------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 50 °F | Dir. N | 69 °F | 69 °F | Vel. N | Read. 28.96 in. | Sea L. 30.24 in. | Clds. 10/10 | Clds. 7/10 | Clds. 4 |
| Min. 37 °F | Vel. 1 m.p.h. | Read. 28.96 in. | Corr. | Char. light | Corr. | 3 hr. Tend. -0.0 mb | Wx calm | Wx pleasant | Wx calm |
| Set 41 °F | Char. light | Corr. | 28.85 in. | Prev. Dir. | Observer | Observer | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 43 % | 24 hr. Mov. — mi. | Sea L. 30.24 in. | 0700 | — | 3 hr. Tend. -0.0 mb | Observer | Clds. 10/10 | Clds. 7/10 | Clds. 4 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.24 in. | 1300 | — | 3 hr. Tend. -0.0 mb | Observer | Wx calm | Wx pleasant | Wx calm |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. -0.0 mb | Observer | Wx calm | Wx pleasant | Wx calm |
| | | | | | | | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |

Saturday November 14, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|-------------|---------------------|---------------------|----------------|----------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 60 °F | Dir. NNE | 70 °F | 70 °F | Vel. NNE | Read. 28.92 in. | Sea L. 30.17 in. | Clds. 10/10 | Clds. 10/10 | Clds. 10/10 |
| Min. 41 °F | Vel. 2 m.p.h. | Read. 28.92 in. | Corr. | Char. light | Corr. | 3 hr. Tend. +1.5 mb | Wx ct. drizzle | Wx ct. drizzle | Wx overcast |
| Set 50 °F | Char. light | Corr. | 28.80 in. | Prev. Dir. | Observer | Observer | Vis. 3.5 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 100 % | 24 hr. Mov. — mi. | Sea L. 30.17 in. | 0700 | — | 3 hr. Tend. +1.5 mb | Observer | Clds. 10/10 | Clds. 10/10 | Clds. 10/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.17 in. | 1300 | — | 3 hr. Tend. +1.5 mb | Observer | Wx ct. drizzle | Wx ct. drizzle | Wx overcast |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1.5 mb | Observer | Wx ct. drizzle | Wx ct. drizzle | Wx overcast |
| | | | | | | | Vis. 3.5 mi. | Vis. 17 mi. | Vis. 17 mi. |

Sunday November 15, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|------------|-------------------|-------------------|-------------|-------------|---------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 53 °F | Dir. ENE | 70 °F | 70 °F | Vel. ENE | Read. 28.73 in. | Sea L. 29.91 in. | Clds. 6/10 | Clds. 8/10 | Clds. 8/10 |
| Min. 40 °F | Vel. 2 m.p.h. | Read. 28.73 in. | Corr. | Char. calm | Corr. | 3 hr. Tend. +1 mb | Wx calm | Wx calm | Wx in. cloudy |
| Set 42 °F | Char. calm | Corr. | 28.61 in. | Prev. Dir. | Observer | Observer | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 100 % | 24 hr. Mov. — mi. | Sea L. 29.91 in. | 0700 | — | 3 hr. Tend. +1 mb | Observer | Clds. 6/10 | Clds. 8/10 | Clds. 8/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 29.91 in. | 1300 | — | 3 hr. Tend. +1 mb | Observer | Wx calm | Wx calm | Wx in. cloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1 mb | Observer | Wx calm | Wx calm | Wx in. cloudy |
| | | | | | | | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |

Monday November 16, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|-------------|---------------------|---------------------|---------------|---------------|----------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 67 °F | Dir. N | 71 °F | 71 °F | Vel. N | Read. 29.00 in. | Sea L. 30.25 in. | Clds. 4/10 | Clds. 6/10 | Clds. 8/10 |
| Min. 42 °F | Vel. 4 m.p.h. | Read. 29.00 in. | Corr. | Char. light | Corr. | 3 hr. Tend. +1.0 mb | Wx few clouds | Wx few clouds | Wx microcloudy |
| Set 49 °F | Char. light | Corr. | 28.89 in. | Prev. Dir. | Observer | Observer | Vis. 4 mi. | Vis. 17 mi. | Vis. 25 mi. |
| R.H. 80 % | 24 hr. Mov. — mi. | Sea L. 30.25 in. | 0700 | — | 3 hr. Tend. +1.0 mb | Observer | Clds. 4/10 | Clds. 6/10 | Clds. 8/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.25 in. | 1300 | — | 3 hr. Tend. +1.0 mb | Observer | Wx few clouds | Wx few clouds | Wx microcloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1.0 mb | Observer | Wx few clouds | Wx few clouds | Wx microcloudy |
| | | | | | | | Vis. 4 mi. | Vis. 17 mi. | Vis. 25 mi. |

Tuesday November 17, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|-------------|-------------------|-------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 55 °F | Dir. ENE | 70 °F | 70 °F | Vel. ENE | Read. 29.14 in. | Sea L. 30.42 in. | Clds. 10/10 | Clds. 10/10 | Clds. 7/10 |
| Min. 42 °F | Vel. 3 m.p.h. | Read. 29.14 in. | Corr. | Char. light | Corr. | 3 hr. Tend. +3 mb | Wx cloudy | Wx cloudy | Wx m/cloudy |
| Set 42 °F | Char. light | Corr. | 29.08 in. | Prev. Dir. | Observer | Observer | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 53 % | 24 hr. Mov. — mi. | Sea L. 30.42 in. | 0700 | — | 3 hr. Tend. +3 mb | Observer | Clds. 10/10 | Clds. 10/10 | Clds. 7/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.42 in. | 1300 | — | 3 hr. Tend. +3 mb | Observer | Wx cloudy | Wx cloudy | Wx m/cloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +3 mb | Observer | Wx cloudy | Wx cloudy | Wx m/cloudy |
| | | | | | | | Vis. 25 mi. | Vis. 17 mi. | Vis. 17 mi. |

Wednesday November 18, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

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|--------------------|-------------------|------------------|-----------|------------|---------------------|---------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 48 °F | Dir. E | 70 °F | 70 °F | Vel. E | Read. 29.21 in. | Sea L. 30.51 in. | Clds. 9/10 | Clds. 4/10 | Clds. 10/10 |
| Min. 37 °F | Vel. 0 m.p.h. | Read. 29.21 in. | Corr. | Char. calm | Corr. | 3 hr. Tend. +1.5 mb | Wx cloudy | Wx p-sunny | Wx cloudy |
| Set 40 °F | Char. calm | Corr. | 29.10 in. | Prev. Dir. | Observer | Observer | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 73 % | 24 hr. Mov. — mi. | Sea L. 30.51 in. | 0700 | — | 3 hr. Tend. +1.5 mb | Observer | Clds. 9/10 | Clds. 4/10 | Clds. 10/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.51 in. | 1300 | — | 3 hr. Tend. +1.5 mb | Observer | Wx cloudy | Wx p-sunny | Wx cloudy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1.5 mb | Observer | Wx cloudy | Wx p-sunny | Wx cloudy |
| | | | | | | | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |

Thursday November 19, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | | | | |
|--------------------|-------------------|------------------|-----------|-------------|-------------------|-------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 50 °F | Dir. E | 70 °F | 70 °F | Vel. E | Read. 29.19 in. | Sea L. 30.48 in. | Clds. 10/10 | Clds. 5/10 | Clds. 5/10 |
| Min. 40 °F | Vel. 3 m.p.h. | Read. 29.19 in. | Corr. | Char. light | Corr. | 3 hr. Tend. +3 mb | Wx cloudy | Wx cloudy | Wx overcast |
| Set 48 °F | Char. light | Corr. | 29.08 in. | Prev. Dir. | Observer | Observer | Vis. 10 mi. | Vis. 10 mi. | Vis. 17 mi. |
| R.H. 99 % | 24 hr. Mov. — mi. | Sea L. 30.48 in. | 0700 | — | 3 hr. Tend. +3 mb | Observer | Clds. 10/10 | Clds. 5/10 | Clds. 5/10 |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | Sea L. 30.48 in. | 1300 | — | 3 hr. Tend. +3 mb | Observer | Wx cloudy | Wx cloudy | Wx overcast |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +3 mb | Observer | Wx cloudy | Wx cloudy | Wx overcast |
| | | | | | | | Vis. 10 mi. | Vis. 10 mi. | Vis. 17 mi. |

Friday, November 20, 2009 0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | | | | |
|--------------------|-------------------|------------------|-----------|--------------|---------------------|---------------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | Dir. | Temp | Temp | 0700 | 1300 | 1900 |
| Max. 52 °F | Dir. W | 68 °F | 68 °F | Vel. W | Read. 28.98 in. | Sea L. 30.26 in. | Clds. 10/10 | Clds. 9/10 | Clds. 10/10 |
| Min. 43 °F | Vel. 7 m.p.h. | Read. 28.98 in. | Corr. | Char. steady | Corr. | 3 hr. Tend. +1.0 mb | Wx windy | Wx windy | Wx windy |
| Set 43 °F | Char. steady | Corr. | 28.87 in. | Prev. Dir. | Observer | Observer | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |
| R.H. 77 % | 24 hr. Mov. — mi. | Sea L. 30.26 in. | 0700 | — | 3 hr. Tend. +1.0 mb | Observer | Clds. 10/10 | Clds. 9/10 | Clds. 10/10 |
| Ppn. Liq. 0.57 in. | Prev. Dir. — | Sea L. 30.26 in. | 1300 | — | 3 hr. Tend. +1.0 mb | Observer | Wx windy | Wx windy | Wx windy |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer | 1900 | — | 3 hr. Tend. +1.0 mb | Observer | Wx windy | Wx windy | Wx windy |
| | | | | | | | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |

F: 50
HDD: 15
SHDD: 218
CDD: 0
SCDD: 0
T_{DNV}: 42/37
T_{UNV}: 40/34
M_MT_S: 57/41/41
T_w: 39
T_D: 34
F: 44
HDD: 21
SHDD: 239
CDD: 0
SCDD: 0
T_{DNV}: 38/31
T_{UNV}: 35/29
M_MT_S: 49/36/36
T_w: 33
T_D: 29

ΣPCNL: 0.07"
ΣPCNS: 0.0"

ΣPANL: 0.07"
ΣPANS: 0.00"

11/11/2009

F: 44
HDD: 21
SHDD: 260
CDD: 0
SCDD: 0
T_{DNV}: 44/24
T_{UNV}: 39/23
M_MT_S: 48/36/41
T_w: 34
T_D: 20

F: 51
HDD: 14
SHDD: 274
CDD: 0
SCDD: 0

T_{DNV}: 50/49
T_{UNV}: 48/46
M_MT_S: 59/40/48

T_w: 49
T_D: 49

ΣPCNL: 0.07"
ΣPCNS: 0.00"

ΣPCNL: 0.07"
ΣPCNS: 0.00"

11/13/2009

F: 49
HDD: 16
SHDD: 290
CDD: 0
SCDD: 0
T_{DNV}: 43/43
T_{UNV}: 40/40
M_MT_S: 36/39/40
T_w: 42
T_D: 42

F: 55
HDD: 10
SHDD: 300
CDD: 0
SCDD: 0

T_{DNV}: 50/46
T_{UNV}: 46/42
M_MT_S: 66/42/47

T_w: 46
T_D: 43

ΣPCNL: 0.07"
ΣPCNS: 0.0"

ΣPCNL: 0.07"
ΣPCNS: 0.0"

11/15/2009

F: 49
HDD: 16
SHDD: 316
CDD: 0
SCDD: 0
T_{DNV}: 43/27
T_{UNV}: 41/26
M_MT_S: 53/41/41
T_w: 37
T_D: 26

F: 43
HDD: 22
SHDD: 338
CDD: 0
SCDD: 0

T_{DNV}: 42/34
T_{UNV}: 47/36/41
M_MT_S: 40/32

T_w: 39
T_D: 32

ΣPCNL: 0.07"
ΣPCNS: 0.00"
F: 45
HDD: 20
SHDD: 358
CDD: 0
SCDD: 0
T_{DNV}: 49/48
T_{UNV}: 47/46
M_MT_S: 52/41/47
T_w: 48
T_D: 47

ΣPCNL: 0.07"
ΣPCNS: 0.0"

F: 48
HDD: 17
SHDD: 375
CDD: 0
SCDD: 0
T_{DNV}: 44/40
T_{UNV}: 43/37
M_MT_S: 50/43/43
T_w: 40
T_D: 36

11/17/2009

ΣPCNL: 0.07"
ΣPCNS: 0.00"

ΣPCNL: 0.64"
ΣPCNS: 0.00"

11/19/2009

ΣPCNL: 0.07"
ΣPCNS: 0.00"

ΣPCNL: 0.64"
ΣPCNS: 0.00"

11/20/2009

Saturday November 21, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 50 °F | Dir. — | Temp 68 °F | Read. 29.07 in. | Clds. STW | Clds. ST | Clds. ST |
| Min. 41 °F | Vel. — m.p.h. | Read. 29.07 in. | | 7/10 | 8/10 | 10/10 |
| Set 42 °F | Char. Calm | Corr. 28.96 in. | | | | |
| R.H. 89 % | 24 hr. Mov. — mi. | Sea L. 30.36 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | 3 hr. Tend. +2.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 17 mi. | Vis. 25 mi. | Vis. 25 mi. |

Sunday, November 22, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 51 °F | Dir. NNE 3 | Temp 68 °F | Read. 29.20 in. | Clds. ST | Clds. ST | Clds. ST |
| Min. 41* °F | Vel. 1 m.p.h. | Read. 29.20 in. | | 10/10 | 10/10 | 10/10 |
| Set 44 °F | Char. Light | Corr. 29.09 in. | | | | |
| R.H. 86 % | 24 hr. Mov. — mi. | Sea L. 30.48 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | 3 hr. Tend. +3.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Monday November 23, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 47 °F | Dir. ENE | Temp 68 °F | Read. 29.24 in. | Clds. ST | Clds. ST | Clds. ST |
| Min. 39 °F | Vel. 2 m.p.h. | Read. 29.24 in. | | 8/10 | 10/10 | 10/10 |
| Set 40 °F | Char. Light | Corr. 29.13 in. | | | | |
| R.H. 96 % | 24 hr. Mov. — mi. | Sea L. 30.53 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | 3 hr. Tend. -1.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 15 mi. | Vis. 25 mi. | Vis. 17 mi. |

Tuesday November 24, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|--------------|------------|------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 49 °F | Dir. NE | Temp 71 °F | Read. 29.08 in. | Clds. NBST | Clds. ST | Clds. ST |
| Min. 40 °F | Vel. 1 m.p.h. | Read. 29.08 in. | | 10/10 | 10/10 | 10/10 |
| Set 44 °F | Char. Light | Corr. 28.96 in. | | | | |
| R.H. 100 % | 24 hr. Mov. — mi. | Sea L. 30.34 in. | | | | |
| Ppn. Liq. 0.28 in. | Prev. Dir. — | 3 hr. Tend. +2.2 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 0.5 mi. | Vis. 2 mi. | Vis. 2 mi. |

Wednesday November 25, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|-------------------|-----------------|------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 49 °F | Dir. — | Temp 72 °F | Read. 28.94 in. | Clds. ST | Clds. ST | Clds. STW |
| Min. 44 °F | Vel. — m.p.h. | Read. 28.94 in. | | 10/10 | 10/10 | 11/10 |
| Set 47 °F | Char. Calm | Corr. 28.82 in. | | | | |
| R.H. 100 % | 24 hr. Mov. — mi. | Sea L. 30.19 in. | | | | |
| Ppn. Liq. 0.06 in. | Prev. Dir. — | 3 hr. Tend. -2 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 3 mi. | Vis. 10 mi. | Vis. 17 mi. |

Thursday 26 November 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|-------------------|-----------------|--------------|------------|------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 51 °F | Dir. — | Temp 70 °F | Read. 28.84 in. | Clds. ST | Clds. ST | Clds. STW |
| Min. 36 °F | Vel. 0 m.p.h. | Read. 28.84 in. | | 10/10 | 10/10 | 11/10 |
| Set 37 °F | Char. Calm | Corr. 28.70 in. | | | | |
| R.H. 100 % | 24 hr. Mov. — mi. | Sea L. 30.09 in. | | | | |
| Ppn. Liq. 0.01 in. | Prev. Dir. — | 3 hr. Tend. -0 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer WJS | | | | |
| | | | | Vis. 3/4 mi. | Vis. 3 mi. | Vis. 3 mi. |

Friday November 27, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|-------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 50 °F | Dir. W | Temp 69 °F | Read. 28.57 in. | Clds. STW | Clds. STW | Clds. STW |
| Min. 36 °F | Vel. 3 m.p.h. | Read. 28.57 in. | | 10/10 | 10/10 | 10/10 |
| Set 36 °F | Char. Gusty | Corr. 28.46 in. | | | | |
| R.H. 84 % | 24 hr. Mov. — mi. | Sea L. 29.84 in. | | | | |
| Ppn. Liq. 0.31 in. | Prev. Dir. — | 3 hr. Tend. -3 mb | | | | |
| Ppn. Sol. 0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Saturday November 28, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|-----------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 42 °F | Dir. W | Temp 69 °F | Read. 28.76 in. | Clds. STW | Clds. STW | Clds. STW |
| Min. 35 °F | Vel. 6 m.p.h. | Read. 28.76 in. | | 10/10 | 10/10 | 3/10 |
| Set 38 °F | Char. Gusty | Corr. 28.65 in. | | | | |
| R.H. 86 % | 24 hr. Mov. — mi. | Sea L. 30.03 in. | | | | |
| Ppn. Liq. 0 in. | Prev. Dir. — | 3 hr. Tend. +7.1 mb | | | | |
| Ppn. Sol. 0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Sunday November 29, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 41 °F | Dir. — | Temp 69 °F | Read. 28.78 in. | Clds. ST | Clds. ST | Clds. ST |
| Min. 32 °F | Vel. — m.p.h. | Read. 28.78 in. | | 2/10 | 4/10 | 9/10 |
| Set 33 °F | Char. Calm | Corr. 28.67 in. | | | | |
| R.H. 79 % | 24 hr. Mov. — mi. | Sea L. 30.07 in. | | | | |
| Ppn. Liq. 0.00 in. | Prev. Dir. — | 3 hr. Tend. +3.1 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AS | | | | |
| | | | | Vis. 25 mi. | Vis. 25 mi. | Vis. 25 mi. |

Monday November 30, 2009
0700 EST
Meteorological Observatory
University Park, PA
General Obs.

| | | | | | | |
|--------------------|-------------------|---------------------|-----------------|-------------|-------------|-------------|
| Temp. | Wind | Barom. | Temp | 0700 | 1300 | 1900 |
| Max. 61 °F | Dir. WSW | Temp 72 °F | Read. 28.50 in. | Clds. S | Clds. S | Clds. STW |
| Min. 33* °F | Vel. 10 m.p.h. | Read. 28.50 in. | | 10/10 | 10/10 | 10/10 |
| Set 50 °F | Char. Steady | Corr. 28.38 in. | | | | |
| R.H. 86 % | 24 hr. Mov. — mi. | Sea L. 29.72 in. | | | | |
| Ppn. Liq. 0.01 in. | Prev. Dir. — | 3 hr. Tend. -6.0 mb | | | | |
| Ppn. Sol. 0.0 in. | Snow Depth 0 in. | Observer AF | | | | |
| | | | | Vis. 17 mi. | Vis. 17 mi. | Vis. 17 mi. |

T: 46 TDavis: 42/40 Tw: 40
HDD: 19 Tunv: 41/38 Td: 38
ZHDD: 394 MMTS: 49/40/41
CDD: 0
SCDD: 0

ΣPCNL: 0.64"
ΣPCNS: 0.00"
11/21/2009

T: 43 TDavis: 41/39 Tw: 40
HDD: 22 Tunv: 39/37 Td: 38
ZHDD: 436 MMTS: 45/38/39
CDD: 0
SCDD: 0

ΣPCNL: 0.64"
ΣPCNS: 0.00"
11/23/2009

T: 47 TDavis: 47/47 Tw: 47
HDD: 18 Tunv: 47/47 Td: 47
ZHDD: 473 MMTS: 47/43/46
CDD: 0
SCDD: 0

ΣPCNL: 0.92"
ΣPCNS: 0.00"
11/25/2009

T: 43 TDavis: 36/31 Tw: 35
HDD: 22 Tunv: 36/31 Td: 32
ZHDD: 516 MMTS: 50/35/36
CDD: 0
SCDD: 0

ΣPCNL: 0.99"
ΣPCNS: 0.00"
11/25/2009

T: 39 TDavis: 38/34 Tw: 36
HDD: 26 Tunv: 38/32 Td: 34
ZHDD: 542 MMTS: 41/33/37
CDD: 0
SCDD: 0

ΣPCNL: 1.30"
ΣPCNS: 0.70"
11/27/2009

T: 37 TDavis: 32/25 Tw: 30
HDD: 28 Tunv: 33/28 Td: 27
ZHDD: 570 MMTS: 40/31/33
CDD: 0
SCDD: 0

ΣPCNL: 1.31"
ΣPCNS: 0.70"
11/28/2009

T: 46 TDavis: 46/41 Tw: 43
HDD: 19 Tunv: 44/39 Td: 40
ZHDD: 413 MMTS: 50/40/44
CDD: 0
SCDD: 0

ΣPCNL: 0.64"
ΣPCNS: 0.00"
11/22/2009

T: 45 TDavis: 44/44 Tw: 44
HDD: 20 Tunv: 43/43 Td: 44
ZHDD: 455 MMTS: 47/39/43
CDD: 0
SCDD: 0

ΣPCNL: 0.92"
ΣPCNS: 0.00"
11/24/2009

T: 44 TDavis: 37/37 Tw: 37
HDD: 21 Tunv: 35/35 Td: 37
ZHDD: 494 MMTS: 50/35/36
CDD: 0
SCDD: 0

ΣPCNL: 1.30"
ΣPCNS: 0.70"
11/28/2009

T: 47 TDavis: 51/47 Tw: 48
HDD: 18 Tunv: 49/45 Td: 46
ZHDD: 588 MMTS: 60/33/50
CDD: 0
SCDD: 0

ΣPCNL: 1.30"
ΣPCNS: 0.70"
11/29/2009

T: 47 TDavis: 51/47 Tw: 48
HDD: 18 Tunv: 49/45 Td: 46
ZHDD: 588 MMTS: 60/33/50
CDD: 0
SCDD: 0

ΣPCNL: 1.30"
ΣPCNS: 0.70"
11/30/2009

T: 47 TDavis: 51/47 Tw: 48
HDD: 18 Tunv: 49/45 Td: 46
ZHDD: 588 MMTS: 60/33/50
CDD: 0
SCDD: 0