Data Set Properties

Report Created: 12/23/2015 10:56 using Windographer 3.3.10
Filter Settings: <Unflagged data>

<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Latitude</td>
<td>N 37.883200</td>
</tr>
<tr>
<td>Longitude</td>
<td>W 103.696667</td>
</tr>
<tr>
<td>Elevation</td>
<td>1332 m</td>
</tr>
<tr>
<td>Start date</td>
<td>11/30/2012 15:20</td>
</tr>
<tr>
<td>End date</td>
<td>11/26/2015 10:00</td>
</tr>
<tr>
<td>Duration</td>
<td>36 months</td>
</tr>
<tr>
<td>Length of time step</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Calm threshold</td>
<td>0.37 m/s</td>
</tr>
<tr>
<td>Mean temperature</td>
<td>12.2 °C</td>
</tr>
<tr>
<td>Mean pressure</td>
<td>86.35 kPa</td>
</tr>
<tr>
<td>Mean air density</td>
<td>1.057 kg/m³</td>
</tr>
<tr>
<td>Power density at 50m</td>
<td>202 W/m²</td>
</tr>
<tr>
<td>Wind power class</td>
<td>2 (Marginal)</td>
</tr>
<tr>
<td>Power law exponent</td>
<td>0.173</td>
</tr>
<tr>
<td>Surface roughness</td>
<td>0.081 m</td>
</tr>
<tr>
<td>Roughness class</td>
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</table>
Wind Speed and Direction

Monthly Wind Speed Profile

Diurnal Wind Speed Profile

Probability Distribution Function

Wind Direction Frequency

Total Wind Energy
Wind Shear

Vertical Wind Shear Profile

Daily Wind Shear Profile

Monthly Wind Shear Profile
### Data Column Properties

<table>
<thead>
<tr>
<th>#</th>
<th>Label</th>
<th>Units</th>
<th>Height</th>
<th>Possible Data Points</th>
<th>Valid Data Points</th>
<th>Recovery Rate (%)</th>
<th>Mean</th>
<th>Min</th>
<th>Max</th>
<th>Std. Dev</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Speed 34 m A</td>
<td>m/s</td>
<td>34 m</td>
<td>157,072</td>
<td>148,485</td>
<td>94.53</td>
<td>5.325</td>
<td>0.370</td>
<td>26.640</td>
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<td>m/s</td>
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<td>m/s</td>
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<td>148,485</td>
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<td>m/s</td>
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<td>0.684</td>
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<td>m/s</td>
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<td>Direction 35 m</td>
<td>°</td>
<td>35 m</td>
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<td>147,275</td>
<td>93.76</td>
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<td>94.70</td>
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Monthly Report: La Junta

Report Settings

Report Created: 1/17/2013 09:07 using Windographer 2.4.6
Report Period: November 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 1/17/2013 09:08 using Windographer 2.4.6
Report Period: December 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 2/27/2013 20:48 using Windographer 3.0.10
Report Period: January 2013

Wind Speed Data

![Wind Speed Data Graph]

Wind Direction Data

![Wind Direction Data Graph]

Temperature Data

![Temperature Data Graph]
Report Settings
Report Created: 4/1/2013 08:34 using Windographer 3.0.11
Report Period: February 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 6/16/2013 22:34 using Windographer 3.1.3
Report Period: April 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Period: May 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: June 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: July 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 9/2/2013 22:30 using Windographer 3.1.3
Report Period: August 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 11/17/2013 09:22 using Windographer 3.1.9
Report Period: September 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/1/2013 18:37 using Windographer 3.1.9
Report Period: October 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 1/22/2014 22:36 using Windographer 3.1.11
Report Period: December 2013

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 2/8/2014 09:29 using Windographer 3.1.11
Report Period: January 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings
Report Created: 3/18/2014 15:18 using Windographer 3.1.11
Report Period: February 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: April 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Period: May 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: June 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: July 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Period: August 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Period: September 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 11/30/2014 20:31 using Windographer 3.2.5
Report Period: October 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 12/21/2015 10:05 using Windographer 3.3.10
Report Period: November 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/21/2015 10:05 using Windographer 3.3.10
Report Period: December 2014

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 12/21/2015 10:06 using Windographer 3.3.10
Report Period: January 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings
Report Created: 12/21/2015 10:06 using Windographer 3.3.10
Report Period: February 2015

Wind Speed Data

Wind Direction Data

Temperature Data
**Wind Speed Data**

![Wind Speed Graph](image)

**Wind Direction Data**

![Wind Direction Graph](image)

**Temperature Data**

![Temperature Graph](image)
Monthly Report: La Junta

Report Settings

Report Created: 12/21/2015 10:07 using Windographer 3.3.10
Report Period: April 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 12/21/2015 10:08 using Windographer 3.3.10

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/21/2015 10:08 using Windographer 3.3.10
Report Period: June 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/21/2015 10:09 using Windographer 3.3.10
Report Period: August 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/23/2015 10:59 using Windographer 3.3.10
Report Period: September 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: La Junta

Report Settings

Report Created: 12/23/2015 10:59 using Windographer 3.3.10
Report Period: October 2015

Wind Speed Data

Wind Direction Data

Temperature Data
Wind Speed Data

![Wind Speed Data Graph]

Wind Direction Data

![Wind Direction Data Graph]

Temperature Data

![Temperature Data Graph]