### Data Set Properties

Report Created: 1/18/2013 08:16 using Windographer 2.4.6
Filter Settings: <Unflagged data>

<table>
<thead>
<tr>
<th>Variable</th>
<th>Value</th>
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<tbody>
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</tr>
<tr>
<td>Longitude</td>
<td>W 103.155430</td>
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<tr>
<td>Elevation</td>
<td>1239 m</td>
</tr>
<tr>
<td>Start date</td>
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</tr>
<tr>
<td>End date</td>
<td>1/12/2013 11:00</td>
</tr>
<tr>
<td>Duration</td>
<td>12 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>11.6 °C</td>
</tr>
<tr>
<td>Mean pressure</td>
<td>87.36 kPa</td>
</tr>
<tr>
<td>Mean air density</td>
<td>1.071 kg/m³</td>
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<tr>
<td>Power density at 50m</td>
<td>301 W/m²</td>
</tr>
<tr>
<td>Wind power class</td>
<td>3 (Fair)</td>
</tr>
<tr>
<td>Power law exponent</td>
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</tr>
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<td>Surface roughness</td>
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<td>Roughness class</td>
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</tr>
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<td>Roughness description</td>
<td>Snow surface</td>
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![Monthly Statistics for Temperature](chart.png)
Wind Speed and Direction

Monthly Wind Speed Profile

Diurnal Wind Speed Profile

Probability Distribution Function

Wind Frequency Rose (35 m)

Mean Wind Speed (34 m)

Total Wind Energy (34 m)
Summary Report: Padroni

Wind Shear

[Graphs showing vertical, daily, and monthly wind shear profiles]
<table>
<thead>
<tr>
<th>Number</th>
<th>Label</th>
<th>Units</th>
<th>Height</th>
<th>Possible Records</th>
<th>Valid Records</th>
<th>Recovery Rate (%)</th>
<th>Mean</th>
<th>Min</th>
<th>Max</th>
<th>Std. Dev</th>
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<tbody>
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<td>m/s</td>
<td>34 m</td>
<td>54,498</td>
<td>52,160</td>
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<td>0.37</td>
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<td>52,160</td>
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Report Settings

Report Created: 1/18/2013 08:17 using Windographer 2.4.6
Report Period: December 2011

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings

Report Created: 1/18/2013 08:17 using Windographer 2.4.6
Report Period: January 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings
Report Created: 1/18/2013 08:18 using Windographer 2.4.6
Report Period: March 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 1/18/2013 08:18 using Windographer 2.4.6
Report Period: April 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings

Report Created: 1/18/2013 08:18 using Windographer 2.4.6
Report Period: May 2012

Wind Speed Data

[Graph showing wind speed data for May 2012]

Wind Direction Data

[Graph showing wind direction data for May 2012]

Temperature Data

[Graph showing temperature data for May 2012]
Report Settings

Report Created: 1/18/2013 08:19 using Windographer 2.4.6
Report Period: June 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 1/18/2013 08:19 using Windographer 2.4.6
Report Period: July 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings
Report Created: 1/18/2013 08:19 using Windographer 2.4.6
Report Period: August 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Report Settings

Report Created: 1/18/2013 08:19 using Windographer 2.4.6
Report Period: September 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings

Report Created: 1/18/2013 08:20 using Windographer 2.4.6
Report Period: October 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings
Report Created: 1/18/2013 08:20 using Windographer 2.4.6
Report Period: November 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings

Report Created: 1/18/2013 08:20 using Windographer 2.4.6
Report Period: December 2012

Wind Speed Data

Wind Direction Data

Temperature Data
Monthly Report: Padroni

Report Settings

Report Created: 1/18/2013 08:21 using Windographer 2.4.6
Report Period: January 2013

Wind Speed Data

Wind Direction Data

Temperature Data