Weather Station Wind Resource Summary for
ARCTIC VILLAGE, AK

ICAO Station Identifier: PARC
Date prepared: 8/3/2005

Site Description

Latitude: 68.117
Longitude: -145.567
Elevation: 637.6 m
Tower Type: AWOS
Tower Height: 10 m
Monitor Start: 07/1995
Monitor End: 10/1995
NCDC Data Set: 701945

Annual Temperature Profile

Site picture courtesy of Jim Miller of AWOS, INC.
Wind Power Information

<table>
<thead>
<tr>
<th>Average Power Density</th>
<th>26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind Power Class</td>
<td>1</td>
</tr>
<tr>
<td>Power Rating</td>
<td>Poor</td>
</tr>
</tbody>
</table>

Average Annual Wind Speed

Wind Speed Frequency Distribution

Diurnal Average Wind Speed

Monthly Average Wind Speed

Wind Speed Distribution Rose (m/s)

Wind Frequency Distribution Rose (% of Time)