

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 5/12/2012 15:00 | 30.7 | 13.3 | 5 | 255 | 20.5 | 0 |
| 5/12/2012 15:15 | | | 7.2 | 245 | 16.09 | 0 |
| 5/12/2012 15:30 | | | 3.6 | 254 | 13.89 | 0 |
| 5/12/2012 15:45 | | | 6.8 | 233 | 9.95 | 0 |
| 5/12/2012 16:00 | 30.8 | 12.7 | 8.9 | 229 | 17.07 | 0 |
| 5/12/2012 16:15 | | | 5.2 | 190 | 17.25 | 0 |
| 5/12/2012 16:30 | | | 6 | 223 | 17.14 | 0 |
| 5/12/2012 16:45 | | | 6.1 | 231 | 24.47 | 0 |
| 5/12/2012 17:00 | 30.7 | 13.2 | 5.5 | 255 | 13.68 | 0 |
| 5/12/2012 17:15 | | | 6 | 234 | 12.68 | 0 |
| 5/12/2012 17:30 | | | 3.6 | 230 | 18.47 | 0 |
| 5/12/2012 17:45 | | | 2.3 | 232 | 19.55 | 0 |
| 5/12/2012 18:00 | 30.4 | 13.9 | 5.9 | 237 | 19.94 | 0 |
| 5/12/2012 18:15 | | | 5.6 | 270 | 12.31 | 0 |
| 5/12/2012 18:30 | | | 5.5 | 262 | 15.29 | 0 |
| 5/12/2012 18:45 | | | 6.4 | 241 | 10.22 | 0 |
| 5/12/2012 19:00 | 29.6 | 14.5 | 4.3 | 231 | 12.54 | 0 |
| 5/12/2012 19:15 | | | 2.6 | 257 | 14.16 | 0 |
| 5/12/2012 19:30 | | | 3 | 242 | 15.11 | 0 |
| 5/12/2012 19:45 | | | 3 | 237 | 12.07 | 0 |
| 5/12/2012 20:30 | 28 | 16.2 | 1 | 159 | 7.92 | 0 |
| 5/12/2012 20:45 | | | 2 | 183 | 15.62 | 0 |
| 5/12/2012 21:00 | | | 0.7 | 182 | 16.07 | 0 |
| 5/12/2012 21:15 | | | 2 | 187 | 14.63 | 0 |
| 5/12/2012 21:30 | 26.2 | 18.3 | 1.9 | 169 | 22.64 | 0 |
| 5/12/2012 21:45 | | | 1.7 | 146 | 44.6 | 0 |
| 5/12/2012 22:00 | | | 1.5 | 167 | 23.55 | 0 |
| 5/12/2012 22:15 | | | 2.5 | 112 | 17.88 | 0 |
| 5/12/2012 22:30 | 23.7 | 29.8 | 1.5 | 187 | 31.88 | 0 |
| 5/12/2012 22:45 | | | 1.6 | 170 | 24.21 | 0 |
| 5/12/2012 23:00 | | | 2.2 | 133 | 24.65 | 0 |
| 5/12/2012 23:15 | | | 1.1 | 198 | 17.33 | 0 |
| 5/12/2012 23:30 | 21.4 | 52.9 | 1.3 | 164 | 14.27 | 0 |
| 5/12/2012 23:45 | | | 1.4 | 168 | 41.74 | 0 |
| 6/12/2012 0:00 | | | 1.1 | 86 | 32.1 | 0 |
| 6/12/2012 0:15 | | | 1.2 | 235 | 37.59 | 0 |
| 6/12/2012 0:30 | 20.6 | 58.7 | 0.2 | 185 | 53.95 | 0 |
| 6/12/2012 0:45 | | | 0.7 | 179 | 26.75 | 0 |
| 6/12/2012 1:00 | | | 1.2 | 254 | 19.35 | 0 |
| 6/12/2012 1:15 | | | 0.9 | 195 | 15.76 | 0 |
| 6/12/2012 1:30 | 19.9 | 61.8 | 0.4 | 158 | 20.69 | 0 |
| 6/12/2012 1:45 | | | 1 | 258 | 43.9 | 0 |
| 6/12/2012 2:00 | | | 1.1 | 243 | 13.19 | 0 |
| 6/12/2012 2:15 | | | 0.9 | 259 | 5.15 | 0 |
| 6/12/2012 2:30 | 19.2 | 63.7 | 1.3 | 237 | 25.4 | 0 |
| 6/12/2012 2:45 | | | 1 | 261 | 6.58 | 0 |
| 6/12/2012 3:00 | | | 0.7 | 247 | 4.75 | 0 |
| 6/12/2012 3:15 | | | 0.9 | 279 | 8.5 | 0 |

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| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 6/12/2012 3:40 | 17.8 | 65.2 | 0.9 | 193 | 13.44 | 0 |
| 6/12/2012 3:45 | | | 1.3 | 197 | 13.44 | 0 |
| 6/12/2012 4:00 | | | 0.6 | 337 | 64.08 | 0 |
| 6/12/2012 4:15 | | | 0.8 | 245 | 6.74 | 0 |
| 6/12/2012 4:30 | 16.6 | 69.2 | 1 | 219 | 13.68 | 0 |
| 6/12/2012 4:45 | | | 1.5 | 261 | 15.82 | 0 |
| 6/12/2012 5:00 | | | 1.5 | 240 | 10.68 | 0 |
| 6/12/2012 5:15 | | | 1 | 254 | 8.5 | 0 |
| 6/12/2012 5:30 | 15.6 | 74 | 1.1 | 251 | 5.82 | 0 |
| 6/12/2012 5:35 | | | 1.7 | 238 | 7.24 | 0 |
| 6/12/2012 5:40 | | | 1.4 | 237 | 7.24 | 0 |
| 6/12/2012 5:45 | | | 1.8 | 229 | 7.24 | 0 |
| 6/12/2012 5:50 | 15.3 | 70.5 | 1.2 | 230 | 4.59 | 0 |
| 6/12/2012 5:55 | | | 0.9 | 226 | 4.59 | 0 |
| 6/12/2012 6:00 | | | 0.6 | 229 | 4.59 | 0 |
| 6/12/2012 6:05 | | | 0.7 | 216 | 9.91 | 0 |
| 6/12/2012 6:10 | 15.7 | 70 | 0.6 | 247 | 9.91 | 0 |
| 6/12/2012 6:15 | | | 0.5 | 256 | 9.91 | 0 |
| 6/12/2012 6:20 | | | 1 | 258 | 13.37 | 0 |
| 6/12/2012 6:25 | | | 1.1 | 212 | 13.37 | 0 |
| 6/12/2012 6:30 | 18.3 | 60.2 | 1 | 202 | 13.37 | 0 |
| 6/12/2012 6:35 | | | 0.9 | 160 | 19.26 | 0 |
| 6/12/2012 6:40 | | | 0.9 | 239 | 19.26 | 0 |
| 6/12/2012 6:45 | | | 1.6 | 214 | 19.26 | 0 |
| 6/12/2012 6:50 | 21.3 | 49.7 | 1.4 | 212 | 13.65 | 0 |
| 6/12/2012 6:55 | | | 1.2 | 238 | 13.65 | 0 |
| 6/12/2012 7:00 | | | 1.6 | 224 | 13.65 | 0 |
| 6/12/2012 7:05 | | | 2.5 | 206 | 11.57 | 0 |
| 6/12/2012 7:10 | 23.1 | 49 | 1.2 | 204 | 11.57 | 0 |
| 6/12/2012 7:15 | | | 1.2 | 175 | 11.57 | 0 |
| 6/12/2012 7:20 | | | 1.5 | 223 | 19.45 | 0 |
| 6/12/2012 7:25 | | | 1.6 | 215 | 19.45 | 0 |
| 6/12/2012 7:30 | 24.3 | 41.2 | 1.6 | 197 | 19.45 | 0 |
| 6/12/2012 7:35 | | | 1.3 | 250 | 14.17 | 0 |
| 6/12/2012 7:40 | | | 1.4 | 212 | 14.17 | 0 |
| 6/12/2012 7:45 | | | 1.3 | 233 | 14.17 | 0 |
| 6/12/2012 7:50 | 25.1 | 39.8 | 1.6 | 228 | 15.25 | 0 |
| 6/12/2012 7:55 | | | 1.3 | 245 | 15.25 | 0 |
| 6/12/2012 8:00 | | | 1 | 268 | 15.25 | 0 |
| 6/12/2012 8:05 | | | 0.6 | 204 | 33.75 | 0 |
| 6/12/2012 8:10 | 26.3 | 40.3 | 1.3 | 155 | 33.75 | 0 |
| 6/12/2012 8:15 | | | 0.6 | 212 | 33.75 | 0 |
| 6/12/2012 8:20 | | | 2.1 | 239 | 18.21 | 0 |
| 6/12/2012 8:25 | | | 1.3 | 198 | 18.21 | 0 |
| 6/12/2012 8:30 | 26.6 | 40 | 1.1 | 178 | 18.21 | 0 |
| 6/12/2012 8:35 | | | 2.1 | 159 | 65.05 | 0 |
| 6/12/2012 8:40 | | | 1.3 | 126 | 65.05 | 0 |
| 6/12/2012 8:45 | | | 2.1 | 255 | 65.05 | 0 |

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| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 6/12/2012 8:50 | 26.9 | 41.5 | 1.1 | 213 | 37.34 | 0 |
| 6/12/2012 8:55 | | | 2.2 | 158 | 37.34 | 0 |
| 6/12/2012 9:00 | | | 1.7 | 219 | 37.34 | 0 |
| 6/12/2012 9:05 | | | 1.7 | 167 | 29.12 | 0 |
| 6/12/2012 9:10 | 26.4 | 48.1 | 1 | 255 | 29.12 | 0 |
| 6/12/2012 9:15 | | | 0.5 | 169 | 29.12 | 0 |
| 6/12/2012 9:20 | | | 1.3 | 349 | 56.39 | 0 |
| 6/12/2012 9:25 | | | 0.3 | 247 | 56.39 | 0 |
| 6/12/2012 9:30 | 25.9 | 50.8 | 1.8 | 241 | 56.39 | 0 |
| 6/12/2012 9:35 | | | 1.2 | 124 | 12.09 | 0 |
| 6/12/2012 9:40 | | | 2.5 | 175 | 12.09 | 0 |
| 6/12/2012 9:45 | | | 2.5 | 177 | 12.09 | 0 |
| 6/12/2012 9:50 | 24.7 | 56.5 | 0.9 | 310 | 27.42 | 0 |
| 6/12/2012 9:55 | | | 1 | 355 | 27.42 | 0 |
| 6/12/2012 10:00 | | | 2 | 1 | 27.42 | 0 |
| 6/12/2012 10:05 | | | 1.3 | 294 | 46.97 | 0 |
| 6/12/2012 10:10 | 23.7 | 60.2 | 0.9 | 120 | 46.97 | 0 |
| 6/12/2012 10:15 | | | 1.7 | 211 | 46.97 | 0 |
| 6/12/2012 10:20 | | | 1.6 | 0 | 57.33 | 0 |
| 6/12/2012 10:25 | | | 4.3 | 320 | 57.33 | 0 |
| 6/12/2012 10:30 | 22.9 | 64.2 | 3.6 | 290 | 57.33 | 0 |
| 6/12/2012 10:35 | | | 1.6 | 341 | 24.84 | 0 |
| 6/12/2012 10:40 | | | 2.6 | 7 | 24.84 | 0 |
| 6/12/2012 10:45 | | | 1.5 | 55 | 24.84 | 0 |
| 6/12/2012 10:50 | 22.5 | 66.8 | 2.7 | 298 | 35.25 | 0 |
| 6/12/2012 10:55 | | | 1.6 | 24 | 35.25 | 0 |
| 6/12/2012 11:00 | | | 3.1 | 315 | 35.25 | 0 |
| 6/12/2012 11:05 | | | 3.2 | 347 | 27.53 | 0 |
| 6/12/2012 11:10 | 21.9 | 68.2 | 1.4 | 286 | 27.53 | 0 |
| 6/12/2012 11:15 | | | 4.3 | 329 | 27.53 | 0 |
| 6/12/2012 11:20 | | | 3.2 | 293 | 33.17 | 0 |
| 6/12/2012 11:25 | | | 0.6 | 321 | 33.17 | 0 |
| 6/12/2012 11:30 | 21.3 | 68.5 | 3.1 | 26 | 33.17 | 0 |
| 6/12/2012 11:45 | | | 1.3 | 322 | 38.43 | 0 |
| 6/12/2012 12:00 | | | 4.9 | 26 | 56.65 | 0 |
| 6/12/2012 12:15 | | | 1.5 | 22 | 63.86 | 0 |
| 6/12/2012 12:30 | 20.8 | 70.3 | 3.1 | 286 | 37.33 | 0 |
| 6/12/2012 12:45 | | | 0.8 | 321 | 82.43 | 0 |
| 6/12/2012 13:00 | | | 2.4 | 13 | 29.68 | 0 |
| 6/12/2012 13:15 | | | 1.9 | 33 | 39.27 | 0 |
| 6/12/2012 13:30 | 20.5 | 69.5 | 2 | 341 | 45.6 | 0 |
| 6/12/2012 13:45 | | | 3.7 | 15 | 46.81 | 0 |
| 6/12/2012 14:00 | | | 3.3 | 352 | 33.97 | 0 |
| 6/12/2012 14:15 | | | 4 | 49 | 39.99 | 0 |
| 6/12/2012 14:30 | 19.8 | 71.5 | 2.8 | 17 | 41.28 | 0 |
| 6/12/2012 14:45 | | | 5.2 | 57 | 34.71 | 0 |
| 6/12/2012 15:00 | | | 4.3 | 72 | 16.43 | 0 |
| 6/12/2012 15:15 | | | 1.6 | 108 | 25.43 | 0 |

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| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 6/12/2012 15:30 | 19.5 | 72.7 | 2.6 | 101 | 26.09 | 0 |
| 6/12/2012 15:45 | | | 3.1 | 83 | 18.52 | 0 |
| 6/12/2012 16:00 | | | 4.6 | 71 | 19.42 | 0 |
| 6/12/2012 16:15 | | | 5 | 76 | 22.37 | 0 |
| 6/12/2012 16:30 | 19.3 | 73.7 | 4.2 | 88 | 19.57 | 0 |
| 6/12/2012 16:45 | | | 4.2 | 45 | 24.46 | 0 |
| 6/12/2012 17:00 | | | 7.8 | 56 | 23.33 | 0 |
| 6/12/2012 17:15 | | | 5.3 | 82 | 19.94 | 0 |
| 6/12/2012 17:30 | 19.2 | 74.3 | 2.5 | 106 | 16.97 | 0 |
| 6/12/2012 17:45 | | | 6.5 | 58 | 18.89 | 0 |
| 6/12/2012 18:00 | | | 3.7 | 86 | 16.51 | 0 |
| 6/12/2012 18:15 | | | 4.5 | 68 | 17.33 | 0 |
| 6/12/2012 18:30 | 19.2 | 74.5 | 1.8 | 84 | 21 | 0 |
| 6/12/2012 18:45 | | | 4.7 | 49 | 19.98 | 0 |
| 6/12/2012 19:00 | | | 3.5 | 48 | 17.74 | 0 |
| 6/12/2012 19:15 | | | 2.4 | 73 | 21.05 | 0 |
| 6/12/2012 19:30 | 19.7 | 73.7 | 3.3 | 87 | 19.33 | 0 |
| 6/12/2012 19:45 | | | 2.2 | 61 | 21.79 | 0 |
| 6/12/2012 20:00 | | | 3 | 73 | 16.42 | 0 |
| 6/12/2012 20:15 | | | 1 | 109 | 22.16 | 0 |
| 6/12/2012 20:30 | 21 | 70.6 | 1.8 | 64 | 23.71 | 0 |
| 6/12/2012 20:45 | | | 1.2 | 111 | 22.85 | 0 |
| 6/12/2012 21:00 | | | 1.4 | 140 | 23.2 | 0 |
| 6/12/2012 21:15 | | | 2 | 142 | 16.5 | 0 |
| 6/12/2012 21:30 | 23 | 65.1 | 0.7 | 172 | 16.43 | 0 |
| 6/12/2012 21:45 | | | 1.4 | 134 | 24.67 | 0 |
| 6/12/2012 22:00 | | | 1.3 | 115 | 19.94 | 0 |
| 6/12/2012 22:15 | | | 0.6 | 125 | 23.36 | 0 |
| 6/12/2012 22:30 | 24.1 | 60.1 | 0.9 | 106 | 36.18 | 0 |
| 6/12/2012 22:45 | | | 1.4 | 156 | 28.44 | 0 |
| 6/12/2012 23:00 | | | 0.3 | 204 | 26.83 | 0 |
| 6/12/2012 23:15 | | | 1.5 | 159 | 22.94 | 0 |
| 6/12/2012 23:30 | 25.8 | 53.4 | 1.5 | 149 | 27.54 | 0 |
| 6/12/2012 23:45 | | | 1.7 | 168 | 13.39 | 0 |
| 7/12/2012 0:00 | | | 2 | 130 | 23.35 | 0 |
| 7/12/2012 0:15 | | | 0.7 | 87 | 27.03 | 0 |
| 7/12/2012 0:30 | 24.9 | 59 | 0.8 | 120 | 61.53 | 0 |
| 7/12/2012 0:45 | | | 0.8 | 99 | 21.87 | 0 |
| 7/12/2012 1:00 | | | 1.3 | 148 | 26.68 | 0 |
| 7/12/2012 1:15 | | | 0.3 | 144 | 29.33 | 0 |
| 7/12/2012 1:30 | 25.7 | 54.4 | 0.5 | 93 | 31.09 | 0 |
| 7/12/2012 1:45 | | | 0.7 | 113 | 17.63 | 0 |
| 7/12/2012 2:00 | | | 0.5 | 133 | 23.63 | 0 |
| 7/12/2012 2:15 | | | 0.5 | 236 | 75.9 | 0 |
| 7/12/2012 2:30 | 25.8 | 55.3 | 1.2 | 250 | 11.92 | 0 |
| 7/12/2012 2:45 | | | 0.6 | 192 | 21.45 | 0 |
| 7/12/2012 3:00 | | | 1.1 | 170 | 15.15 | 0 |
| 7/12/2012 3:15 | | | 0.4 | 149 | 23.08 | 0 |

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Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 7/12/2012 3:30 | 25.8 | 54.7 | 0.5 | 110 | 27.23 | 0 |
| 7/12/2012 3:45 | | | 0.5 | 169 | 22.58 | 0 |
| 7/12/2012 4:00 | | | 0.7 | 171 | 18.33 | 0 |
| 7/12/2012 4:15 | | | 0.5 | 147 | 20.21 | 0 |
| 7/12/2012 4:30 | 25.7 | 55.1 | 0.7 | 183 | 32.96 | 0 |
| 7/12/2012 4:45 | | | 0.4 | 164 | 27.19 | 0 |
| 7/12/2012 5:00 | | | 0.7 | 143 | 15.66 | 0 |
| 7/12/2012 5:15 | | | 0.5 | 137 | 23.03 | 0 |
| 7/12/2012 5:30 | 25.4 | 53.1 | 1.2 | 144 | 9.81 | 0 |
| 7/12/2012 5:45 | | | 0.5 | 99 | 44.65 | 0 |
| 7/12/2012 6:00 | | | 0.1 | 120 | 22.03 | 0 |
| 7/12/2012 6:15 | | | 0.6 | 180 | 56.04 | 0 |
| 7/12/2012 6:30 | 24.2 | 59.1 | 0.9 | 189 | 22.45 | 0 |
| 7/12/2012 6:45 | | | 1 | 164 | 10.96 | 0 |
| 7/12/2012 7:00 | | | 1.7 | 157 | 19.02 | 0 |
| 7/12/2012 7:15 | | | 1.4 | 150 | 20.73 | 0 |
| 7/12/2012 7:30 | 23.2 | 62.4 | 2 | 145 | 31.29 | 0 |
| 7/12/2012 7:45 | | | 2.6 | 179 | 20.84 | 0 |
| 7/12/2012 8:00 | | | 1 | 153 | 15.78 | 0 |
| 7/12/2012 8:15 | | | 1.5 | 153 | 23.21 | 0 |
| 7/12/2012 8:30 | 22.6 | 68.2 | 2.3 | 18 | 50.04 | 0 |
| 7/12/2012 8:45 | | | 1.5 | 53 | 47.85 | 0 |
| 7/12/2012 9:00 | | | 2 | 30 | 38.97 | 0 |
| 7/12/2012 9:15 | | | 1.6 | 84 | 44.59 | 0 |
| 7/12/2012 9:30 | 21.8 | 71.4 | 0.6 | 179 | 70.7 | 0 |
| 7/12/2012 9:45 | | | 3 | 45 | 46.69 | 0 |
| 7/12/2012 10:00 | | | 2.5 | 79 | 13.99 | 0 |
| 7/12/2012 10:15 | | | 1.6 | 106 | 91.65 | 0 |
| 7/12/2012 10:30 | 21.2 | 74.7 | 0.8 | 126 | 42.84 | 0 |
| 7/12/2012 10:45 | | | 1.6 | 72 | 50.93 | 0 |
| 7/12/2012 11:00 | | | 1.4 | 310 | 75.58 | 0 |
| 7/12/2012 11:15 | | | 2.9 | 15 | 34.18 | 0 |
| 7/12/2012 11:30 | 21.1 | 76.7 | 6.6 | 67 | 20.02 | 0 |
| 7/12/2012 11:45 | | | 2.5 | 75 | 23.96 | 0 |
| 7/12/2012 12:00 | | | 2.8 | 30 | 19.14 | 0 |
| 7/12/2012 12:15 | | | 3.2 | 88 | 20.08 | 0 |
| 7/12/2012 12:30 | 20.8 | 78.5 | 1.7 | 4 | 20.92 | 0 |
| 7/12/2012 12:45 | | | 5.6 | 92 | 31.46 | 0 |
| 7/12/2012 13:00 | | | 5.7 | 67 | 20.46 | 0 |
| 7/12/2012 13:15 | | | 4.2 | 62 | 22.47 | 0 |
| 7/12/2012 13:30 | 20.3 | 81.1 | 4.6 | 27 | 20.27 | 0 |
| 7/12/2012 13:45 | | | 1.9 | 37 | 22.28 | 0 |
| 7/12/2012 14:00 | | | 6.8 | 84 | 20.49 | 0 |
| 7/12/2012 14:15 | | | 3.2 | 77 | 19.7 | 0 |
| 7/12/2012 14:30 | 19.9 | 83.6 | 0.6 | 99 | 20.43 | 0 |
| 7/12/2012 14:45 | | | 4 | 57 | 19.88 | 0 |
| 7/12/2012 15:00 | | | 4.6 | 51 | 19.99 | 0 |
| 7/12/2012 15:15 | | | 4.3 | 87 | 22.11 | 0 |

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| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 7/12/2012 15:30 | 19.5 | 85.1 | 5.5 | 31 | 18.01 | 0 |
| 7/12/2012 15:45 | | | 2 | 45 | 19.12 | 0 |
| 7/12/2012 16:00 | | | 5.9 | 98 | 20.63 | 0 |
| 7/12/2012 16:15 | | | 3.6 | 93 | 17.79 | 0 |
| 7/12/2012 16:30 | 19.1 | 87.6 | 3.7 | 70 | 24.08 | 0 |
| 7/12/2012 16:45 | | | 4.6 | 50 | 28.72 | 0 |
| 7/12/2012 17:00 | | | 3.8 | 70 | 17.53 | 0 |
| 7/12/2012 17:15 | | | 5 | 57 | 16.53 | 0 |
| 7/12/2012 17:30 | 18.7 | 89.8 | 2.2 | 31 | 19.52 | 0 |
| 7/12/2012 17:45 | | | 3.4 | 86 | 15.93 | 0 |
| 7/12/2012 18:00 | | | 2.1 | 62 | 18.35 | 0 |
| 7/12/2012 18:15 | | | 2.5 | 53 | 18.26 | 0 |
| 7/12/2012 18:30 | 18.7 | 90.1 | 6.6 | 51 | 16.46 | 0 |
| 7/12/2012 18:45 | | | 3.5 | 87 | 16.22 | 0 |
| 7/12/2012 19:00 | | | 4 | 60 | 18.72 | 0 |
| 7/12/2012 19:15 | | | 2.3 | 85 | 17.44 | 0 |
| 7/12/2012 19:30 | 19.6 | 86.8 | 1.5 | 50 | 15.21 | 0 |
| 7/12/2012 19:45 | | | 3.1 | 48 | 15.26 | 0 |
| 7/12/2012 20:00 | | | 1.7 | 73 | 14.96 | 0 |
| 7/12/2012 20:15 | | | 2.4 | 36 | 12 | 0 |
| 7/12/2012 20:30 | 22.1 | 76.6 | 1.6 | 56 | 12.71 | 0 |
| 7/12/2012 20:45 | | | 1.7 | 55 | 17.66 | 0 |
| 7/12/2012 21:00 | | | 0.6 | 83 | 28.86 | 0 |
| 7/12/2012 21:15 | | | 0.3 | 79 | 30.35 | 0 |
| 7/12/2012 21:30 | 23.4 | 69.1 | 0.5 | 58 | 60.44 | 0 |
| 7/12/2012 21:45 | | | 0.6 | 145 | 60.21 | 0 |
| 7/12/2012 22:00 | | | 0.5 | 114 | 14.05 | 0 |
| 7/12/2012 22:15 | | | 0.9 | 144 | 27.17 | 0 |
| 7/12/2012 22:30 | 24.8 | 61 | 0.5 | 140 | 72.33 | 0 |
| 7/12/2012 22:45 | | | 0.6 | 145 | 27.5 | 0 |
| 7/12/2012 23:00 | | | 0.7 | 29 | 53.05 | 0 |
| 7/12/2012 23:15 | | | 0.6 | 94 | 22.48 | 0 |
| 7/12/2012 23:30 | 25.5 | 57.2 | 0.6 | 237 | 93.11 | 0 |
| 7/12/2012 23:45 | | | 0.5 | 240 | 58.96 | 0 |
| 8/12/2012 0:00 | | | 0.1 | 306 | 91.04 | 0 |
| 8/12/2012 0:15 | | | 0.2 | 173 | 71.19 | 0 |
| 8/12/2012 0:30 | 26.4 | 53.1 | 0.6 | 70 | 49.47 | 0 |
| 8/12/2012 0:45 | | | 0.4 | 185 | 77.67 | 0 |
| 8/12/2012 1:00 | | | 0.2 | 197 | 22.68 | 0 |
| 8/12/2012 1:15 | | | 0.3 | 96 | 35.33 | 0 |
| 8/12/2012 1:30 | 26.5 | 53.5 | 0.6 | 233 | 47.04 | 0 |
| 8/12/2012 1:45 | | | 0.5 | 62 | 60.62 | 0 |
| 8/12/2012 2:00 | | | 0.3 | 219 | 54.57 | 0 |
| 8/12/2012 2:15 | | | 0.2 | 126 | 63.6 | 0 |
| 8/12/2012 2:30 | 26.4 | 54.1 | 0.3 | 165 | 33.83 | 0 |
| 8/12/2012 2:45 | | | 0.4 | 155 | 15.18 | 0 |
| 8/12/2012 3:00 | | | 0.6 | 280 | 47.22 | 0 |
| 8/12/2012 3:15 | | | 0.5 | 269 | 8 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 8/12/2012 3:30 | 25.2 | 63.4 | 0.2 | 32 | 35.96 | 0 |
| 8/12/2012 3:45 | | | 0.4 | 202 | 37.72 | 0 |
| 8/12/2012 4:00 | | | 0 | 169 | 12.43 | 0 |
| 8/12/2012 4:15 | | | 0.2 | 94 | 52.03 | 0 |
| 8/12/2012 4:30 | 24.3 | 73.6 | 0.2 | 142 | 41.75 | 0 |
| 8/12/2012 4:45 | | | 0.3 | 229 | 39.75 | 0 |
| 8/12/2012 5:00 | | | 0.4 | 97 | 105.86 | 0 |
| 8/12/2012 5:15 | | | 0.5 | 87 | 16.66 | 0 |
| 8/12/2012 5:30 | 22.1 | 83.1 | 0.6 | 88 | 25.79 | 0 |
| 8/12/2012 5:45 | | | 0.3 | 226 | 76.81 | 0 |
| 8/12/2012 6:00 | | | 0.5 | 201 | 24.19 | 0 |
| 8/12/2012 6:15 | | | 0.6 | 264 | 44.7 | 0 |
| 8/12/2012 6:30 | 23.4 | 74 | 0.6 | 156 | 63.61 | 0 |
| 8/12/2012 6:45 | | | 0.5 | 163 | 33.54 | 0 |
| 8/12/2012 7:00 | | | 0.5 | 142 | 15.11 | 0 |
| 8/12/2012 7:15 | | | 1 | 191 | 32.4 | 0 |
| 8/12/2012 7:30 | 23.2 | 75.9 | 0.4 | 331 | 87.63 | 0 |
| 8/12/2012 7:45 | | | 0.8 | 254 | 55.26 | 0 |
| 8/12/2012 8:00 | | | 1.4 | 172 | 32.67 | 0 |
| 8/12/2012 8:15 | | | 1.9 | 277 | 25.07 | 0 |
| 8/12/2012 8:30 | 22.7 | 78.9 | 2.1 | 294 | 22.46 | 0 |
| 8/12/2012 8:45 | | | 1.7 | 0 | 35.7 | 0 |
| 8/12/2012 9:00 | | | 3.3 | 28 | 39.54 | 0 |
| 8/12/2012 9:15 | | | 4.4 | 289 | 46.04 | 0 |
| 8/12/2012 9:30 | 22 | 82.3 | 2.4 | 26 | 27.93 | 0 |
| 8/12/2012 9:45 | | | 3.5 | 34 | 19.79 | 0 |
| 8/12/2012 10:00 | | | 2 | 80 | 40.66 | 0 |
| 8/12/2012 10:15 | | | 2.5 | 307 | 36.84 | 0 |
| 8/12/2012 10:30 | 21.4 | 84 | 3.3 | 56 | 35.69 | 0 |
| 8/12/2012 10:45 | | | 1.3 | 356 | 36.55 | 0 |
| 8/12/2012 11:00 | | | 4.4 | 326 | 28.12 | 0 |
| 8/12/2012 11:15 | | | 0.8 | 280 | 31.72 | 0 |
| 8/12/2012 11:30 | 21.3 | 83.7 | 4.1 | 326 | 29.44 | 0 |
| 8/12/2012 11:45 | | | 3.7 | 56 | 43.2 | 0 |
| 8/12/2012 12:00 | | | 3.5 | 16 | 40.32 | 0 |
| 8/12/2012 12:15 | | | 2.4 | 353 | 26.13 | 0 |
| 8/12/2012 12:30 | 21.2 | 83.9 | 1.9 | 316 | 36.39 | 0 |
| 8/12/2012 12:45 | | | 2.3 | 20 | 28.18 | 0 |
| 8/12/2012 13:00 | | | 1.5 | 333 | 24.91 | 0 |
| 8/12/2012 13:15 | | | 3.5 | 36 | 26.1 | 0 |
| 8/12/2012 13:30 | 21.5 | 82.4 | 2.6 | 77 | 12.79 | 0 |
| 8/12/2012 13:45 | | | 3.1 | 34 | 13.85 | 0 |
| 8/12/2012 14:00 | | | 1.8 | 126 | 34.32 | 0 |
| 8/12/2012 14:15 | | | 2.2 | 97 | 20.35 | 0 |
| 8/12/2012 14:30 | 21.3 | 82.3 | 4.8 | 67 | 19.12 | 0 |
| 8/12/2012 14:45 | | | 3.9 | 82 | 17.35 | 0 |
| 8/12/2012 15:00 | | | 4.1 | 61 | 24.02 | 0 |
| 8/12/2012 15:15 | | | 1.9 | 85 | 23.37 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 8/12/2012 15:30 | 21.1 | 83.5 | 2 | 87 | 19.51 | 0 |
| 8/12/2012 15:45 | | | 2.3 | 94 | 15.07 | 0 |
| 8/12/2012 16:00 | | | 1.5 | 78 | 14.6 | 0.2 |
| 8/12/2012 16:15 | | | 2.1 | 107 | 16.49 | 0.4 |
| 8/12/2012 16:30 | 20.7 | 86.3 | 5.5 | 52 | 15.69 | 0 |
| 8/12/2012 16:45 | | | 4.9 | 32 | 14.38 | 0 |
| 8/12/2012 17:00 | | | 3.3 | 65 | 12.53 | 0 |
| 8/12/2012 17:15 | | | 1.3 | 67 | 29.24 | 0 |
| 8/12/2012 17:30 | 20.2 | 89.6 | 2.3 | 88 | 24.68 | 0 |
| 8/12/2012 17:45 | | | 4 | 34 | 19.99 | 0 |
| 8/12/2012 18:00 | | | 1.8 | 24 | 16.58 | 0 |
| 8/12/2012 18:15 | | | 1.8 | 51 | 17.28 | 0 |
| 8/12/2012 18:30 | 19.8 | 92.5 | 1.4 | 22 | 17.2 | 0 |
| 8/12/2012 18:45 | | | 2.1 | 38 | 13.19 | 0 |
| 8/12/2012 19:00 | | | 2.1 | 19 | 19.9 | 0 |
| 8/12/2012 19:15 | | | 1.2 | 16 | 25.15 | 0 |
| 8/12/2012 19:30 | 19.9 | 92.3 | 4.2 | 27 | 16.79 | 0 |
| 8/12/2012 19:45 | | | 3.4 | 46 | 20.5 | 0 |
| 8/12/2012 20:00 | | | 1.8 | 90 | 23.79 | 0 |
| 8/12/2012 20:15 | | | 1.6 | 73 | 19.48 | 0 |
| 8/12/2012 20:30 | 19.9 | 93.9 | 0.7 | 81 | 14.7 | 0 |
| 8/12/2012 20:45 | | | 1.5 | 37 | 17.95 | 0 |
| 8/12/2012 21:00 | | | 1.1 | 110 | 20.98 | 0 |
| 8/12/2012 21:15 | | | 1.9 | 67 | 16.37 | 0 |
| 8/12/2012 21:30 | 20.9 | 91 | 1.2 | 66 | 13.24 | 0 |
| 8/12/2012 21:45 | | | 1.9 | 50 | 11.77 | 0 |
| 8/12/2012 22:00 | | | 0.7 | 351 | 21.35 | 0 |
| 8/12/2012 22:15 | | | 1.5 | 64 | 36.35 | 0 |
| 8/12/2012 22:30 | 22.1 | 83.8 | 0.9 | 41 | 10.89 | 0 |
| 8/12/2012 22:45 | | | 0.8 | 50 | 13.16 | 0 |
| 8/12/2012 23:00 | | | 1.2 | 51 | 12.54 | 0 |
| 8/12/2012 23:15 | | | 2.1 | 91 | 12.92 | 0 |
| 8/12/2012 23:30 | 23 | 79.3 | 2.4 | 54 | 11.57 | 0 |
| 8/12/2012 23:45 | | | 2.4 | 79 | 13.81 | 0 |
| 9/12/2012 0:00 | | | 2.2 | 78 | 16.7 | 0 |
| 9/12/2012 0:15 | | | 1.2 | 63 | 18.11 | 0 |
| 9/12/2012 0:30 | 24.3 | 70.6 | 1 | 79 | 18.87 | 0 |
| 9/12/2012 0:45 | | | 2.3 | 42 | 12.79 | 0 |
| 9/12/2012 1:00 | | | 2.3 | 19 | 12.68 | 0 |
| 9/12/2012 1:15 | | | 0.8 | 28 | 14.12 | 0 |
| 9/12/2012 1:30 | 26 | 60.7 | 1.4 | 20 | 12 | 0 |
| 9/12/2012 1:45 | | | 0.7 | 34 | 22.24 | 0 |
| 9/12/2012 2:00 | | | 0.7 | 326 | 23.58 | 0 |
| 9/12/2012 2:15 | | | 0.3 | 353 | 27.8 | 0 |
| 9/12/2012 2:30 | 27.2 | 53.2 | 0.7 | 9 | 34.76 | 0 |
| 9/12/2012 2:45 | | | 0.7 | 159 | 38.43 | 0 |
| 9/12/2012 3:00 | | | 0.6 | 62 | 72.42 | 0 |
| 9/12/2012 3:15 | | | 1.2 | 342 | 25.12 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 9/12/2012 3:30 | 28 | 51.4 | 1.5 | 16 | 50.15 | 0 |
| 9/12/2012 3:45 | | | 0.8 | 20 | 30.73 | 0 |
| 9/12/2012 4:00 | | | 1 | 99 | 38.45 | 0 |
| 9/12/2012 4:15 | | | 1.4 | 139 | 18.77 | 0 |
| 9/12/2012 4:30 | 28 | 50.3 | 0.9 | 31 | 32.11 | 0 |
| 9/12/2012 4:45 | | | 2.9 | 17 | 10.67 | 0.4 |
| 9/12/2012 5:00 | | | 1 | 93 | 37.4 | 0.2 |
| 9/12/2012 5:15 | | | 1 | 95 | 20.23 | 0.6 |
| 9/12/2012 5:30 | 26.4 | 58.3 | 1.2 | 72 | 21.77 | 0 |
| 9/12/2012 5:45 | | | 0.6 | 81 | 17.66 | 0 |
| 9/12/2012 6:00 | | | 0.9 | 37 | 21.09 | 0 |
| 9/12/2012 6:15 | | | 1.4 | 16 | 20.38 | 0 |
| 9/12/2012 6:30 | 22.8 | 83.2 | 2.2 | 343 | 16.35 | 0 |
| 9/12/2012 6:45 | | | 1.1 | 290 | 33.45 | 0 |
| 9/12/2012 7:00 | | | 1.8 | 350 | 10.86 | 0.2 |
| 9/12/2012 7:15 | | | 1.9 | 35 | 33.49 | 0.4 |
| 9/12/2012 7:30 | 22 | 82.4 | 0.5 | 37 | 31.97 | 0 |
| 9/12/2012 7:45 | | | 0.8 | 319 | 41.44 | 0.2 |
| 9/12/2012 8:00 | | | 0.8 | 284 | 31.12 | 0 |
| 9/12/2012 8:15 | | | 1.4 | 65 | 26.87 | 0.4 |
| 9/12/2012 8:30 | 22.1 | 82 | 1.5 | 252 | 78.81 | 0.2 |
| 9/12/2012 8:45 | | | 1.5 | 323 | 34.15 | 0 |
| 9/12/2012 9:00 | | | 0.8 | 12 | 38.68 | 0 |
| 9/12/2012 9:15 | | | 2.9 | 268 | 71.08 | 0 |
| 9/12/2012 9:30 | 22 | 79.9 | 2.3 | 350 | 23.5 | 0 |
| 9/12/2012 9:45 | | | 0.7 | 315 | 32.2 | 0 |
| 9/12/2012 10:00 | | | 1.9 | 22 | 24 | 0 |
| 9/12/2012 10:15 | | | 2.8 | 25 | 19.73 | 0 |
| 9/12/2012 10:30 | 21.9 | 78 | 1.6 | 4 | 23.83 | 0 |
| 9/12/2012 10:45 | | | 2.6 | 302 | 35.39 | 0 |
| 9/12/2012 11:00 | | | 2.5 | 278 | 34.38 | 0 |
| 9/12/2012 11:15 | | | 2.4 | 286 | 28.88 | 0 |
| 9/12/2012 11:30 | 21.5 | 82.1 | 1.9 | 344 | 28.72 | 0 |
| 9/12/2012 11:45 | | | 2.5 | 7 | 61.75 | 0 |
| 9/12/2012 12:00 | | | 2.4 | 45 | 39.33 | 0 |
| 9/12/2012 12:15 | | | 1.5 | 43 | 39.33 | 0 |
| 9/12/2012 12:30 | 20.9 | 85.7 | 4.1 | 334 | 24.13 | 0 |
| 9/12/2012 12:45 | | | 4.6 | 305 | 26.52 | 0 |
| 9/12/2012 13:00 | | | 5.2 | 309 | 31.32 | 0 |
| 9/12/2012 13:15 | | | 3.1 | 8 | 27.32 | 0 |
| 9/12/2012 13:30 | 20.1 | 89 | 5.4 | 323 | 28.91 | 0 |
| 9/12/2012 13:45 | | | 5 | 11 | 30.61 | 0 |
| 9/12/2012 14:00 | | | 4.1 | 25 | 27.14 | 0 |
| 9/12/2012 14:15 | | | 3.2 | 37 | 31.53 | 0 |
| 9/12/2012 14:30 | 19.5 | 93.1 | 4 | 26 | 33.86 | 0 |
| 9/12/2012 14:45 | | | 3.6 | 3 | 23.21 | 0 |
| 9/12/2012 15:00 | | | 4.1 | 28 | 35.42 | 0 |
| 9/12/2012 15:15 | | | 5.9 | 18 | 22.07 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|-----------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 9/12/2012 15:30 | 19.5 | 94 | 4.4 | 22 | 19.11 | 0 |
| 9/12/2012 15:45 | | | 5.8 | 51 | 17.44 | 0 |
| 9/12/2012 16:00 | | | 3.9 | 52 | 17.96 | 0 |
| 9/12/2012 16:15 | | | 1.4 | 44 | 18.17 | 0 |
| 9/12/2012 16:30 | 19.3 | 93.6 | 0.8 | 98 | 26.53 | 1 |
| 9/12/2012 16:45 | | | 2.3 | 73 | 18.13 | 0.4 |
| 9/12/2012 17:00 | | | 1.7 | 64 | 12.4 | 0.6 |
| 9/12/2012 17:15 | | | 1.1 | 112 | 23.54 | 0.4 |
| 9/12/2012 17:30 | 19.4 | 92.8 | 0.6 | 158 | 21.48 | 1 |
| 9/12/2012 17:45 | | | 0.9 | 125 | 38.99 | 0.6 |
| 9/12/2012 18:00 | | | 2.9 | 22 | 30.58 | 0 |
| 9/12/2012 18:15 | | | 2.9 | 331 | 23.88 | 0 |
| 9/12/2012 18:30 | 19.8 | 89.9 | 2.4 | 40 | 31.86 | 0 |
| 9/12/2012 18:45 | | | 1.2 | 151 | 35.01 | 0 |
| 9/12/2012 19:00 | | | 1 | 181 | 17.84 | 0 |
| 9/12/2012 19:15 | | | 0.2 | 211 | 71.03 | 0 |
| 9/12/2012 19:30 | 20.1 | 87.7 | 1.7 | 205 | 42.37 | 0 |
| 9/12/2012 19:45 | | | 1.1 | 290 | 49.9 | 0 |
| 9/12/2012 20:00 | | | 0.2 | 317 | 24.84 | 0 |
| 9/12/2012 20:15 | | | 1.1 | 16 | 47.97 | 0 |
| 9/12/2012 20:30 | 21.4 | 79.1 | 0.9 | 357 | 15.13 | 0 |
| 9/12/2012 20:45 | | | 2.5 | 45 | 19.9 | 0 |
| 9/12/2012 21:00 | | | 3.3 | 29 | 13.95 | 0 |
| 9/12/2012 21:15 | | | 2.3 | 68 | 24.61 | 0 |
| 9/12/2012 21:30 | 22.4 | 72.9 | 0.7 | 141 | 18.85 | 0 |
| 9/12/2012 21:45 | | | 1.2 | 173 | 54.94 | 0 |
| 9/12/2012 22:00 | | | 1.5 | 132 | 31.71 | 0 |
| 9/12/2012 22:15 | | | 0.3 | 111 | 46.19 | 0 |
| 9/12/2012 22:30 | 23.6 | 68.4 | 1 | 355 | 64.47 | 0 |
| 9/12/2012 22:45 | | | 0.5 | 107 | 31.9 | 0 |
| 9/12/2012 23:00 | | | 0.4 | 256 | 79.92 | 0 |
| 9/12/2012 23:15 | | | 0.9 | 27 | 90.38 | 0 |
| 9/12/2012 23:30 | 24.6 | 64.6 | 0.4 | 261 | 55.01 | 0 |
| 9/12/2012 23:45 | | | 0.5 | 242 | 12.49 | 0 |
| 10/12/2012 0:00 | | | 0.4 | 33 | 89.9 | 0 |
| 10/12/2012 0:15 | | | 1.1 | 36 | 12.13 | 0 |
| 10/12/2012 0:30 | 23.6 | 72.6 | 0.4 | 234 | 52.07 | 0 |
| 10/12/2012 0:45 | | | 0.5 | 175 | 35.45 | 0 |
| 10/12/2012 1:00 | | | 0.3 | 176 | 31.34 | 0 |
| 10/12/2012 1:15 | | | 1.4 | 148 | 32.01 | 0 |
| 10/12/2012 1:30 | 25.1 | 62.3 | 0.4 | 106 | 12.71 | 0 |
| 10/12/2012 1:45 | | | 0.7 | 127 | 16.49 | 0 |
| 10/12/2012 2:00 | | | 1 | 182 | 17.34 | 0 |
| 10/12/2012 2:15 | | | 1.7 | 157 | 16.35 | 0 |
| 10/12/2012 2:30 | 25.3 | 58.8 | 0.7 | 151 | 22.71 | 0 |
| 10/12/2012 2:45 | | | 0.5 | 175 | 23.64 | 0 |
| 10/12/2012 3:00 | | | 0.8 | 157 | 30.3 | 0 |
| 10/12/2012 3:15 | | | 1 | 156 | 22.72 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 10/12/2012 3:30 | 25.3 | 60.1 | 1 | 159 | 14.53 | 0 |
| 10/12/2012 3:45 | | | 0.8 | 225 | 29.83 | 0 |
| 10/12/2012 4:00 | | | 0.8 | 201 | 26.12 | 0 |
| 10/12/2012 4:15 | | | 1.4 | 204 | 12.62 | 0 |
| 10/12/2012 4:30 | 24.6 | 60.7 | 1.7 | 138 | 19.46 | 0 |
| 10/12/2012 4:45 | | | 1.7 | 124 | 23.36 | 0 |
| 10/12/2012 5:00 | | | 0.8 | 135 | 24.94 | 0 |
| 10/12/2012 5:15 | | | 1.4 | 142 | 19.95 | 0 |
| 10/12/2012 5:30 | 25 | 58.4 | 1.4 | 142 | 24.62 | 0 |
| 10/12/2012 5:45 | | | 1.3 | 88 | 22.46 | 0 |
| 10/12/2012 6:00 | | | 2.6 | 141 | 39.29 | 0 |
| 10/12/2012 6:15 | | | 1.6 | 152 | 21.38 | 0 |
| 10/12/2012 6:30 | 24.5 | 59.3 | 1.9 | 127 | 22.01 | 0 |
| 10/12/2012 6:45 | | | 0.7 | 145 | 29.57 | 0 |
| 10/12/2012 7:00 | | | 2 | 184 | 29.58 | 0 |
| 10/12/2012 7:15 | | | 3.3 | 130 | 22.13 | 0 |
| 10/12/2012 7:30 | 23.6 | 60.7 | 5.7 | 159 | 17.57 | 0 |
| 10/12/2012 7:45 | | | 1.6 | 121 | 23.52 | 0 |
| 10/12/2012 8:00 | | | 2.3 | 130 | 23.41 | 0 |
| 10/12/2012 8:15 | | | 2 | 112 | 26.56 | 0 |
| 10/12/2012 8:30 | 22.8 | 64.5 | 1.8 | 152 | 27.57 | 0 |
| 10/12/2012 8:45 | | | 1 | 108 | 21.19 | 0 |
| 10/12/2012 9:00 | | | 0.5 | 141 | 25.14 | 0 |
| 10/12/2012 9:15 | | | 0.7 | 94 | 42.55 | 0.2 |
| 10/12/2012 9:30 | 22.1 | 69.8 | 2.8 | 129 | 25.2 | 0 |
| 10/12/2012 9:45 | | | 1.3 | 194 | 35.54 | 0 |
| 10/12/2012 10:00 | | | 3.4 | 133 | 32.88 | 0 |
| 10/12/2012 10:15 | | | 1.8 | 139 | 24.16 | 0 |
| 10/12/2012 10:30 | 20.3 | 86 | 3.9 | 129 | 22.02 | 0 |
| 10/12/2012 10:45 | | | 2 | 149 | 31.42 | 0 |
| 10/12/2012 11:00 | | | 3.2 | 114 | 28.62 | 0 |
| 10/12/2012 11:15 | | | 3.4 | 62 | 20.49 | 0 |
| 10/12/2012 11:30 | 19.3 | 92.1 | 1.2 | 141 | 33.28 | 1 |
| 10/12/2012 11:45 | | | 2.8 | 103 | 23.07 | 0 |
| 10/12/2012 12:00 | | | 2.6 | 60 | 23.31 | 0 |
| 10/12/2012 12:15 | | | 3.7 | 108 | 29.05 | 0 |
| 10/12/2012 12:30 | 18.7 | 95 | 4.3 | 79 | 23.22 | 0 |
| 10/12/2012 12:45 | | | 6.3 | 158 | 29.36 | 0 |
| 10/12/2012 13:00 | | | 1.3 | 78 | 34.08 | 0 |
| 10/12/2012 13:15 | | | 2.4 | 114 | 30.43 | 0.2 |
| 10/12/2012 13:30 | 18.8 | 94.7 | 2.1 | 156 | 25.38 | 0 |
| 10/12/2012 13:45 | | | 4.9 | 104 | 32.31 | 0 |
| 10/12/2012 14:00 | | | 4.7 | 116 | 27.04 | 0 |
| 10/12/2012 14:15 | | | 4.4 | 157 | 24.2 | 0 |
| 10/12/2012 14:30 | 18.5 | 95.4 | 3.3 | 131 | 32.55 | 0 |
| 10/12/2012 14:45 | | | 4.2 | 126 | 28.24 | 0 |
| 10/12/2012 15:00 | | | 6.7 | 98 | 22.73 | 0 |
| 10/12/2012 15:15 | | | 6.1 | 148 | 24.02 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 10/12/2012 15:30 | 18.2 | 95.5 | 2.2 | 113 | 22.57 | 0 |
| 10/12/2012 15:45 | | | 5.1 | 132 | 25.36 | 0 |
| 10/12/2012 16:00 | | | 4.4 | 102 | 26.03 | 0 |
| 10/12/2012 16:15 | | | 4.9 | 177 | 28.39 | 0 |
| 10/12/2012 16:30 | 17.9 | 96.2 | 3.9 | 70 | 30.7 | 0 |
| 10/12/2012 16:45 | | | 6.1 | 89 | 22.81 | 0 |
| 10/12/2012 17:00 | | | 6.3 | 51 | 20.67 | 0 |
| 10/12/2012 17:15 | | | 3.5 | 129 | 23.05 | 0 |
| 10/12/2012 17:30 | 17.6 | 96.8 | 1.5 | 41 | 37.67 | 0 |
| 10/12/2012 17:45 | | | 5.1 | 83 | 20.13 | 0 |
| 10/12/2012 18:00 | | | 3.2 | 102 | 20.91 | 0 |
| 10/12/2012 18:15 | | | 2.1 | 71 | 23.23 | 0 |
| 10/12/2012 18:30 | 17.8 | 95.8 | 1.8 | 93 | 24.51 | 0 |
| 10/12/2012 18:45 | | | 3.1 | 108 | 19.27 | 0 |
| 10/12/2012 19:00 | | | 0.3 | 85 | 24.12 | 0 |
| 10/12/2012 19:15 | | | 2.5 | 92 | 29.45 | 0 |
| 10/12/2012 19:30 | 18.6 | 92 | 1.8 | 106 | 17.16 | 0 |
| 10/12/2012 19:45 | | | 0.7 | 126 | 22.95 | 0 |
| 10/12/2012 20:00 | | | 0.7 | 94 | 24.04 | 0 |
| 10/12/2012 20:15 | | | 0.7 | 67 | 18.05 | 0 |
| 10/12/2012 20:30 | 20.2 | 83.6 | 0.4 | 150 | 37.72 | 0 |
| 10/12/2012 20:45 | | | 1.5 | 146 | 12.1 | 0 |
| 10/12/2012 21:00 | | | 0.6 | 50 | 29.66 | 0 |
| 10/12/2012 21:15 | | | 2.7 | 177 | 28.68 | 0 |
| 10/12/2012 21:30 | 21.8 | 75.5 | 1 | 148 | 19.31 | 0.2 |
| 10/12/2012 21:45 | | | 1.8 | 143 | 24.41 | 0 |
| 10/12/2012 22:00 | | | 1.6 | 222 | 24.41 | 0 |
| 10/12/2012 22:15 | | | 1.3 | 168 | 21.03 | 0 |
| 10/12/2012 22:30 | 22.7 | 68.6 | 1.2 | 107 | 29.27 | 0 |
| 10/12/2012 22:45 | | | 0.5 | 104 | 40.18 | 0.8 |
| 10/12/2012 23:00 | | | 0.7 | 251 | 62.08 | 0 |
| 10/12/2012 23:15 | | | 1.4 | 244 | 8.79 | 0 |
| 10/12/2012 23:30 | 23.7 | 62.7 | 1.1 | 213 | 11.62 | 0 |
| 10/12/2012 23:45 | | | 1 | 231 | 9.53 | 0 |
| 11/12/2012 0:00 | | | 0.8 | 35 | 52.47 | 1 |
| 11/12/2012 0:15 | | | 0.4 | 112 | 39.43 | 0.8 |
| 11/12/2012 0:30 | 24 | 59.9 | 1.1 | 181 | 28.21 | 0 |
| 11/12/2012 0:45 | | | 2.7 | 164 | 20.5 | 0 |
| 11/12/2012 1:00 | | | 1.3 | 182 | 16.44 | 0 |
| 11/12/2012 1:15 | | | 0.9 | 188 | 20.62 | 0 |
| 11/12/2012 1:30 | 24.2 | 60.4 | 1.6 | 174 | 20.62 | 0 |
| 11/12/2012 1:45 | | | 0.9 | 194 | 19.92 | 0 |
| 11/12/2012 2:00 | | | 0.9 | 187 | 21.63 | 0 |
| 11/12/2012 2:15 | | | 1 | 221 | 21.98 | 0 |
| 11/12/2012 2:30 | 23.4 | 67 | 0.6 | 170 | 16.12 | 0 |
| 11/12/2012 2:45 | | | 0.4 | 214 | 18.07 | 0 |
| 11/12/2012 3:00 | | | 1.1 | 205 | 9.59 | 0 |
| 11/12/2012 3:15 | | | 1.3 | 208 | 9.35 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 11/12/2012 3:30 | 22.9 | 70.4 | 1 | 255 | 14.22 | 0 |
| 11/12/2012 3:45 | | | 0.8 | 242 | 14.56 | 0 |
| 11/12/2012 4:00 | | | 1.1 | 234 | 12.5 | 0 |
| 11/12/2012 4:15 | | | 1 | 215 | 11.18 | 0 |
| 11/12/2012 4:30 | 23.9 | 59.7 | 0.9 | 211 | 9.66 | 0 |
| 11/12/2012 4:45 | | | 0.9 | 219 | 10.73 | 0 |
| 11/12/2012 5:00 | | | 1.2 | 186 | 11.46 | 0 |
| 11/12/2012 5:15 | | | 0.7 | 194 | 15.83 | 0 |
| 11/12/2012 5:30 | 24.1 | 56 | 0.8 | 165 | 20.01 | 0 |
| 11/12/2012 5:45 | | | 0.7 | 171 | 23.54 | 0 |
| 11/12/2012 6:00 | | | 0.5 | 175 | 16.99 | 0 |
| 11/12/2012 6:15 | | | 0.4 | 209 | 18.33 | 0 |
| 11/12/2012 6:30 | 23.4 | 56.9 | 1.2 | 193 | 21.13 | 0 |
| 11/12/2012 6:45 | | | 2 | 145 | 18.84 | 0 |
| 11/12/2012 7:00 | | | 2.3 | 156 | 13.83 | 0 |
| 11/12/2012 7:15 | | | 1.4 | 193 | 19.32 | 0 |
| 11/12/2012 7:30 | 22.9 | 60.3 | 1.9 | 153 | 19.82 | 0 |
| 11/12/2012 7:45 | | | 1.8 | 147 | 19.89 | 0 |
| 11/12/2012 8:00 | | | 1.4 | 179 | 21.45 | 0 |
| 11/12/2012 8:15 | | | 2.1 | 140 | 19.63 | 0 |
| 11/12/2012 8:30 | 22.2 | 64 | 4.7 | 158 | 23.37 | 0 |
| 11/12/2012 8:45 | | | 1.8 | 162 | 15.8 | 0 |
| 11/12/2012 9:00 | | | 1.9 | 181 | 27.45 | 0 |
| 11/12/2012 9:15 | | | 5.1 | 160 | 26.41 | 0 |
| 11/12/2012 9:30 | 20.9 | 73.4 | 1.6 | 137 | 21.27 | 0 |
| 11/12/2012 9:45 | | | 2.4 | 165 | 20.88 | 0 |
| 11/12/2012 10:00 | | | 5.2 | 141 | 30.05 | 0 |
| 11/12/2012 10:15 | | | 3.7 | 133 | 27.8 | 0 |
| 11/12/2012 10:30 | 18.9 | 88.9 | 4.1 | 125 | 28.17 | 0.2 |
| 11/12/2012 10:45 | | | 1.9 | 149 | 22.9 | 0 |
| 11/12/2012 11:00 | | | 4.7 | 126 | 30.74 | 0 |
| 11/12/2012 11:15 | | | 3 | 139 | 28.42 | 0 |
| 11/12/2012 11:30 | 18.6 | 91.3 | 3.2 | 116 | 24.12 | 0 |
| 11/12/2012 11:45 | | | 3.5 | 131 | 29.21 | 0 |
| 11/12/2012 12:00 | | | 5.4 | 77 | 22.15 | 0 |
| 11/12/2012 12:15 | | | 2.6 | 120 | 25.97 | 0 |
| 11/12/2012 12:30 | 18.1 | 94 | 1.2 | 81 | 28.12 | 0 |
| 11/12/2012 12:45 | | | 4.8 | 155 | 28.46 | 0 |
| 11/12/2012 13:00 | | | 1.1 | 148 | 31.8 | 0 |
| 11/12/2012 13:15 | | | 5.3 | 141 | 26.31 | 0 |
| 11/12/2012 13:30 | 17.6 | 95.6 | 5.7 | 110 | 20.32 | 0 |
| 11/12/2012 13:45 | | | 3.4 | 103 | 30.95 | 0 |
| 11/12/2012 14:00 | | | 1.8 | 175 | 19.98 | 0 |
| 11/12/2012 14:15 | | | 4.4 | 149 | 20.11 | 0 |
| 11/12/2012 14:30 | 17.2 | 96.1 | 3.2 | 170 | 19.76 | 0 |
| 11/12/2012 14:45 | | | 2.8 | 113 | 30.97 | 0 |
| 11/12/2012 15:00 | | | 3.4 | 90 | 24.29 | 0 |
| 11/12/2012 15:15 | | | 3.7 | 98 | 27.44 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 11/12/2012 15:30 | 17.1 | 94.4 | 3.8 | 93 | 25.78 | 0 |
| 11/12/2012 15:45 | | | 3.8 | 102 | 23.7 | 0 |
| 11/12/2012 16:00 | | | 3.8 | 101 | 20.73 | 0 |
| 11/12/2012 16:15 | | | 2.3 | 144 | 24.06 | 0 |
| 11/12/2012 16:30 | 17 | 94.1 | 1.4 | 99 | 26.31 | 0 |
| 11/12/2012 16:45 | | | 3.4 | 94 | 19.13 | 0 |
| 11/12/2012 17:00 | | | 4.7 | 101 | 21.67 | 0 |
| 11/12/2012 17:15 | | | 5.7 | 99 | 17.74 | 0 |
| 11/12/2012 17:30 | 17.1 | 93.4 | 5.4 | 81 | 19.85 | 0 |
| 11/12/2012 17:45 | | | 1.9 | 84 | 20.98 | 0 |
| 11/12/2012 18:00 | | | 2.3 | 102 | 23.38 | 0 |
| 11/12/2012 18:15 | | | 3.1 | 83 | 20.09 | 0 |
| 11/12/2012 18:30 | 16.7 | 94.1 | 3.1 | 88 | 20.32 | 0 |
| 11/12/2012 18:45 | | | 2.5 | 83 | 20.58 | 0 |
| 11/12/2012 19:00 | | | 2.6 | 81 | 18.2 | 0 |
| 11/12/2012 19:15 | | | 3.4 | 63 | 18.85 | 0 |
| 11/12/2012 19:30 | 17.1 | 91.2 | 2.2 | 66 | 19.33 | 0 |
| 11/12/2012 19:45 | | | 2.4 | 98 | 20.39 | 0 |
| 11/12/2012 20:00 | | | 0.5 | 50 | 20.72 | 0 |
| 11/12/2012 20:15 | | | 1.2 | 70 | 21.81 | 0 |
| 11/12/2012 20:30 | 19.2 | 80.6 | 1.2 | 132 | 25.92 | 0 |
| 11/12/2012 20:45 | | | 1.8 | 170 | 22.28 | 0 |
| 11/12/2012 21:00 | | | 0.7 | 158 | 18.47 | 0 |
| 11/12/2012 21:15 | | | 0.9 | 162 | 21.99 | 0 |
| 11/12/2012 21:30 | 21.8 | 67.2 | 0.9 | 219 | 22.05 | 0 |
| 11/12/2012 21:45 | | | 1.2 | 167 | 20.31 | 0 |
| 11/12/2012 22:00 | | | 0.7 | 194 | 47.61 | 0 |
| 11/12/2012 22:15 | | | 0.8 | 196 | 21.83 | 0 |
| 11/12/2012 22:30 | 23 | 56.3 | 1.2 | 182 | 17.81 | 0 |
| 11/12/2012 22:45 | | | 1.7 | 174 | 24.22 | 0 |
| 11/12/2012 23:00 | | | 1.2 | 210 | 16.86 | 0 |
| 11/12/2012 23:15 | | | 0.7 | 200 | 20.24 | 0 |
| 11/12/2012 23:30 | 23.3 | 58 | 1.8 | 200 | 15.61 | 0 |
| 11/12/2012 23:45 | | | 0.9 | 212 | 25.63 | 0 |
| 12/12/2012 0:00 | | | 0.8 | 206 | 27.18 | 0 |
| 12/12/2012 0:15 | | | 0.4 | 165 | 25.48 | 0 |
| 12/12/2012 0:30 | 21.1 | 73.6 | 1.6 | 229 | 32.05 | 0 |
| 12/12/2012 0:45 | | | 1.3 | 214 | 13.72 | 0 |
| 12/12/2012 1:00 | | | 0.7 | 240 | 10.44 | 0 |
| 12/12/2012 1:15 | | | 1.1 | 232 | 7.58 | 0 |
| 12/12/2012 1:30 | 22.1 | 71.4 | 0.7 | 222 | 8.03 | 0 |
| 12/12/2012 1:45 | | | 0.9 | 228 | 9.59 | 0 |
| 12/12/2012 2:00 | | | 1.5 | 202 | 9.53 | 0 |
| 12/12/2012 2:15 | | | 0.7 | 173 | 15.33 | 0 |
| 12/12/2012 2:30 | 24.4 | 55 | 1.3 | 208 | 21.75 | 0 |
| 12/12/2012 2:45 | | | 0.9 | 179 | 18.82 | 0 |
| 12/12/2012 3:00 | | | 1 | 183 | 18 | 0 |
| 12/12/2012 3:15 | | | 0.7 | 118 | 43.61 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 12/12/2012 3:30 | 25.1 | 50.6 | 0.8 | 201 | 36.25 | 0.2 |
| 12/12/2012 3:45 | | | 0.5 | 263 | 30.55 | 0 |
| 12/12/2012 4:00 | | | 1 | 180 | 31.69 | 0.4 |
| 12/12/2012 4:15 | | | 1.9 | 205 | 32.67 | 0 |
| 12/12/2012 4:30 | 21.3 | 74 | 0.8 | 208 | 17.86 | 0 |
| 12/12/2012 4:45 | | | 1.3 | 215 | 12.12 | 0 |
| 12/12/2012 5:00 | | | 1.3 | 220 | 12.4 | 0 |
| 12/12/2012 5:15 | | | 1.6 | 218 | 9.72 | 0 |
| 12/12/2012 5:30 | 19.8 | 82.6 | 1.3 | 228 | 7.8 | 0 |
| 12/12/2012 5:45 | | | 1.8 | 215 | 11.18 | 0 |
| 12/12/2012 6:00 | | | 1.5 | 218 | 12.36 | 0 |
| 12/12/2012 6:15 | | | 1.5 | 239 | 11.27 | 0 |
| 12/12/2012 6:30 | 21 | 76.8 | 2.2 | 228 | 7.84 | 0 |
| 12/12/2012 6:45 | | | 1.2 | 230 | 6.5 | 0 |
| 12/12/2012 7:00 | | | 1.5 | 230 | 9.67 | 0.2 |
| 12/12/2012 7:15 | | | 0.9 | 165 | 14.48 | 0 |
| 12/12/2012 7:30 | 20.8 | 77.6 | 1.9 | 188 | 18.7 | 0 |
| 12/12/2012 7:45 | | | 1.4 | 171 | 15.33 | 0 |
| 12/12/2012 8:00 | | | 2.9 | 174 | 13.42 | 0 |
| 12/12/2012 8:15 | | | 2.2 | 125 | 20.59 | 0 |
| 12/12/2012 8:30 | 18.7 | 89.9 | 2.1 | 133 | 22.49 | 0 |
| 12/12/2012 8:45 | | | 0.8 | 134 | 27.27 | 0 |
| 12/12/2012 9:00 | | | 1.4 | 181 | 30.21 | 0 |
| 12/12/2012 9:15 | | | 3.1 | 123 | 34.92 | 0 |
| 12/12/2012 9:30 | 18.6 | 90.4 | 3.5 | 148 | 36.56 | 0 |
| 12/12/2012 9:45 | | | 4.2 | 144 | 24.93 | 0 |
| 12/12/2012 10:00 | | | 3.7 | 159 | 19.81 | 0 |
| 12/12/2012 10:15 | | | 2.5 | 145 | 27.37 | 0 |
| 12/12/2012 10:30 | 18.7 | 87.3 | 4.4 | 174 | 22.48 | 0 |
| 12/12/2012 10:45 | | | 1.6 | 154 | 29.58 | 0 |
| 12/12/2012 11:00 | | | 3.5 | 136 | 27.78 | 0 |
| 12/12/2012 11:15 | | | 3.8 | 136 | 15.92 | 0 |
| 12/12/2012 11:30 | 18.1 | 88.8 | 3.9 | 161 | 15.43 | 0 |
| 12/12/2012 11:45 | | | 3.1 | 176 | 17.71 | 0 |
| 12/12/2012 12:00 | | | 3.3 | 187 | 15.87 | 0 |
| 12/12/2012 12:15 | | | 6.8 | 178 | 19.24 | 0 |
| 12/12/2012 12:30 | 17.7 | 90.3 | 3.7 | 181 | 18.69 | 0 |
| 12/12/2012 12:45 | | | 3.8 | 160 | 19.36 | 0 |
| 12/12/2012 13:00 | | | 3.1 | 147 | 23.6 | 0 |
| 12/12/2012 13:15 | | | 2 | 189 | 18.84 | 0 |
| 12/12/2012 13:30 | 17.4 | 92.8 | 3.1 | 107 | 28.71 | 0 |
| 12/12/2012 13:45 | | | 5.3 | 150 | 34.67 | 0 |
| 12/12/2012 14:00 | | | 5 | 127 | 25.16 | 0 |
| 12/12/2012 14:15 | | | 2.8 | 91 | 33.39 | 0 |
| 12/12/2012 14:30 | 17.2 | 95.1 | 4.6 | 109 | 30.54 | 0 |
| 12/12/2012 14:45 | | | 3.5 | 76 | 29.76 | 0 |
| 12/12/2012 15:00 | | | 4.7 | 123 | 23.66 | 0 |
| 12/12/2012 15:15 | | | 3.7 | 174 | 27.06 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 12/12/2012 15:30 | 17 | 96 | 5.1 | 140 | 17.37 | 0.2 |
| 12/12/2012 15:45 | | | 3 | 174 | 17.15 | 0 |
| 12/12/2012 16:00 | | | 3 | 150 | 16.33 | 0 |
| 12/12/2012 16:15 | | | 2.3 | 136 | 16.65 | 0 |
| 12/12/2012 16:30 | 16.8 | 95 | 1.9 | 155 | 21.04 | 0.2 |
| 12/12/2012 16:45 | | | 2.5 | 147 | 25.39 | 0 |
| 12/12/2012 17:00 | | | 1.4 | 82 | 30.49 | 0 |
| 12/12/2012 17:15 | | | 2.8 | 143 | 21.06 | 0 |
| 12/12/2012 17:30 | 16.6 | 93.9 | 2.2 | 149 | 26.48 | 0 |
| 12/12/2012 17:45 | | | 1.9 | 121 | 26.84 | 0 |
| 12/12/2012 18:00 | | | 2.9 | 116 | 26.22 | 0 |
| 12/12/2012 18:15 | | | 1.2 | 152 | 29.71 | 0 |
| 12/12/2012 18:30 | 16.6 | 93.3 | 0.4 | 288 | 28.67 | 0 |
| 12/12/2012 18:45 | | | 3.1 | 145 | 27.72 | 0 |
| 12/12/2012 19:00 | | | 1.3 | 180 | 16.33 | 0 |
| 12/12/2012 19:15 | | | 1.3 | 177 | 18.18 | 0 |
| 12/12/2012 19:30 | 17 | 89.5 | 0.8 | 180 | 13.71 | 0 |
| 12/12/2012 19:45 | | | 0.5 | 170 | 15.54 | 0 |
| 12/12/2012 20:00 | | | 0.5 | 215 | 26.03 | 0 |
| 12/12/2012 20:15 | | | 0.8 | 223 | 12.63 | 0 |
| 12/12/2012 20:30 | 18.8 | 82.4 | 0.8 | 183 | 12.33 | 0 |
| 12/12/2012 20:45 | | | 0.4 | 154 | 20.48 | 0 |
| 12/12/2012 21:00 | | | 1.1 | 190 | 12.43 | 0 |
| 12/12/2012 21:15 | | | 0.8 | 145 | 19.36 | 0 |
| 12/12/2012 21:30 | 20.8 | 73.9 | 1 | 143 | 17.69 | 0 |
| 12/12/2012 21:45 | | | 1.2 | 155 | 13.5 | 0 |
| 12/12/2012 22:00 | | | 0.2 | 281 | 35.39 | 0 |
| 12/12/2012 22:15 | | | 0.8 | 229 | 18.91 | 0 |
| 12/12/2012 22:30 | 22.4 | 64.6 | 1.2 | 226 | 13.04 | 0 |
| 12/12/2012 22:45 | | | 1.2 | 228 | 8.1 | 0 |
| 12/12/2012 23:00 | | | 1 | 241 | 9.82 | 0 |
| 12/12/2012 23:15 | | | 1.7 | 233 | 6.65 | 0 |
| 12/12/2012 23:30 | 23.5 | 58 | 1.7 | 206 | 9.89 | 0 |
| 12/12/2012 23:45 | | | 1.9 | 206 | 12.86 | 0 |
| 13/12/2012 0:00 | | | 1.6 | 229 | 15.7 | 0 |
| 13/12/2012 0:15 | | | 1.5 | 161 | 24.87 | 0 |
| 13/12/2012 0:30 | 24.8 | 47.5 | 3.7 | 164 | 15.38 | 0.2 |
| 13/12/2012 0:45 | | | 1.9 | 165 | 22.02 | 0.6 |
| 13/12/2012 1:00 | | | 0.9 | 158 | 25.7 | 0.2 |
| 13/12/2012 1:15 | | | 0.6 | 169 | 27.66 | 0 |
| 13/12/2012 1:30 | 25.5 | 42.3 | 1.2 | 240 | 18.24 | 0 |
| 13/12/2012 1:45 | | | 0.9 | 222 | 10.11 | 0 |
| 13/12/2012 2:00 | | | 1.4 | 236 | 18.08 | 0 |
| 13/12/2012 2:15 | | | 1.9 | 218 | 11.89 | 0 |
| 13/12/2012 2:30 | 26 | 37.5 | 1.7 | 223 | 11.01 | 0 |
| 13/12/2012 2:45 | | | 1.2 | 225 | 13.81 | 0 |
| 13/12/2012 3:00 | | | 1.4 | 217 | 11.75 | 0 |
| 13/12/2012 3:15 | | | 1.3 | 154 | 19.87 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 13/12/2012 3:30 | 26.5 | 35.2 | 1.7 | 214 | 10.97 | 0 |
| 13/12/2012 3:45 | | | 1.7 | 231 | 10.97 | 0 |
| 13/12/2012 4:00 | | | 1.5 | 229 | 10.97 | 0 |
| 13/12/2012 4:15 | | | 1.2 | 225 | 10.97 | 0 |
| 13/12/2012 4:30 | 25.3 | 48.1 | 0.5 | 99 | 10.97 | 0 |
| 13/12/2012 4:45 | | | 0.6 | 160 | 10.97 | 0 |
| 13/12/2012 5:00 | | | 0.9 | 209 | 10.97 | 0 |
| 13/12/2012 5:15 | | | 1.4 | 230 | 10.97 | 0 |
| 13/12/2012 5:30 | 24.4 | 48.9 | 1.8 | 231 | 10.97 | 0 |
| 13/12/2012 5:45 | | | 1.6 | 215 | 10.97 | 0 |
| 13/12/2012 6:00 | | | 1.4 | 258 | 10.97 | 0 |
| 13/12/2012 6:15 | | | 1.7 | 211 | 10.97 | 0 |
| 13/12/2012 6:30 | 24.3 | 47 | 1.7 | 227 | 10.97 | 0 |
| 13/12/2012 6:45 | | | 1.6 | 207 | 10.97 | 0 |
| 13/12/2012 7:00 | | | 1.9 | 215 | 10.97 | 0 |
| 13/12/2012 7:15 | | | 2 | 232 | 10.97 | 0 |
| 13/12/2012 7:30 | 23.4 | 55.2 | 1.9 | 218 | 10.97 | 0 |
| 13/12/2012 7:45 | | | 2.6 | 218 | 10.97 | 0 |
| 13/12/2012 8:00 | | | 2.7 | 198 | 10.97 | 0 |
| 13/12/2012 8:15 | | | 1.1 | 191 | 10.97 | 0 |
| 13/12/2012 8:30 | 22 | 62.5 | 2.3 | 111 | 10.97 | 0 |
| 13/12/2012 8:45 | | | 2.7 | 149 | 10.97 | 0 |
| 13/12/2012 9:00 | | | 1.3 | 118 | 10.97 | 0 |
| 13/12/2012 9:15 | | | 2 | 146 | 10.97 | 0 |
| 13/12/2012 9:30 | 20.6 | 68.6 | 3 | 133 | 10.97 | 0 |
| 13/12/2012 9:45 | | | 3.3 | 130 | 10.97 | 0 |
| 13/12/2012 10:00 | | | 1.7 | 147 | 10.97 | 0 |
| 13/12/2012 10:15 | | | 2.1 | 108 | 10.97 | 0 |
| 13/12/2012 10:30 | 19.7 | 72.9 | 2.6 | 156 | 10.97 | 0 |
| 13/12/2012 10:45 | | | 2.9 | 115 | 10.97 | 0 |
| 13/12/2012 11:00 | | | 1.2 | 122 | 10.97 | 0 |
| 13/12/2012 11:15 | | | 2.7 | 180 | 10.97 | 0 |
| 13/12/2012 11:30 | 18.8 | 77.6 | 3.4 | 95 | 10.97 | 0 |
| 13/12/2012 11:45 | | | 3.4 | 125 | 10.97 | 0 |
| 13/12/2012 12:00 | | | 5.2 | 120 | 10.97 | 0 |
| 13/12/2012 12:15 | | | 4.3 | 172 | 10.97 | 0 |
| 13/12/2012 12:30 | 18.2 | 81.1 | 2.3 | 124 | 10.97 | 0 |
| 13/12/2012 12:45 | | | 4 | 159 | 10.97 | 0 |
| 13/12/2012 13:00 | | | 3 | 180 | 10.97 | 0 |
| 13/12/2012 13:15 | | | 1.4 | 169 | 10.97 | 0 |
| 13/12/2012 13:30 | 17.1 | 86.7 | 5.2 | 83 | 10.97 | 0 |
| 13/12/2012 13:45 | | | 1.3 | 163 | 10.97 | 0 |
| 13/12/2012 14:00 | | | 2.5 | 121 | 10.97 | 0 |
| 13/12/2012 14:15 | | | 1.3 | 170 | 10.97 | 0 |
| 13/12/2012 14:30 | 16.9 | 88.2 | 3.9 | 90 | 10.97 | 0 |
| 13/12/2012 14:45 | | | 2.7 | 128 | 10.97 | 0 |
| 13/12/2012 15:00 | | | 7.4 | 96 | 10.97 | 0 |
| 13/12/2012 15:15 | | | 3.5 | 73 | 10.97 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 13/12/2012 15:30 | 16.7 | 88.7 | 6.4 | 99 | 10.97 | 0 |
| 13/12/2012 15:45 | | | 3.2 | 73 | 10.97 | 0 |
| 13/12/2012 16:00 | | | 9.6 | 94 | 10.97 | 0 |
| 13/12/2012 16:15 | | | 2.9 | 118 | 10.97 | 0 |
| 13/12/2012 16:30 | 16.6 | 89.8 | 4 | 137 | 10.97 | 0 |
| 13/12/2012 16:45 | | | 2.8 | 119 | 10.97 | 0 |
| 13/12/2012 17:00 | | | 3.8 | 101 | 10.97 | 0 |
| 13/12/2012 17:15 | | | 2.3 | 146 | 10.97 | 0 |
| 13/12/2012 17:30 | 16.1 | 92.1 | 4.6 | 93 | 10.97 | 0 |
| 13/12/2012 17:45 | | | 3.1 | 70 | 10.97 | 0 |
| 13/12/2012 18:00 | | | 3.8 | 75 | 10.97 | 0 |
| 13/12/2012 18:15 | | | 3 | 96 | 10.97 | 0 |
| 13/12/2012 18:30 | 15.6 | 93.5 | 0.7 | 95 | 10.97 | 0 |
| 13/12/2012 18:45 | | | 2.9 | 69 | 10.97 | 0 |
| 13/12/2012 19:00 | | | 3.3 | 61 | 10.97 | 0 |
| 13/12/2012 19:15 | | | 2 | 78 | 10.97 | 0 |
| 13/12/2012 19:30 | 16.1 | 91.2 | 3.2 | 79 | 10.97 | 0 |
| 13/12/2012 19:45 | | | 1.9 | 115 | 10.97 | 0 |
| 13/12/2012 20:00 | | | 0.5 | 93 | 10.97 | 0 |
| 13/12/2012 20:15 | | | 0.4 | 44 | 10.97 | 0 |
| 13/12/2012 20:30 | 18.7 | 80.4 | 0.5 | 300 | 10.97 | 0 |
| 13/12/2012 20:45 | | | 0.6 | 260 | 10.97 | 0 |
| 13/12/2012 21:00 | | | 0.5 | 74 | 71.37 | 0 |
| 13/12/2012 21:15 | | | 0.8 | 106 | 13.87 | 0 |
| 13/12/2012 21:30 | 21.6 | 65.6 | 0.2 | 184 | 22.52 | 0 |
| 13/12/2012 21:45 | | | 1 | 142 | 62.69 | 0 |
| 13/12/2012 22:00 | | | 0.5 | 119 | 23.16 | 0 |
| 13/12/2012 22:15 | | | 0.7 | 266 | 81.44 | 0 |
| 13/12/2012 22:30 | 23 | 54.2 | 0.4 | 278 | 5.42 | 0 |
| 13/12/2012 22:45 | | | 0.7 | 283 | 8.03 | 0 |
| 13/12/2012 23:00 | | | 0.5 | 300 | 8.13 | 0 |
| 13/12/2012 23:15 | | | 0.5 | 259 | 9.89 | 0 |
| 13/12/2012 23:30 | 24 | 49.6 | 0.4 | 247 | 5.93 | 0 |
| 13/12/2012 23:45 | | | 0.5 | 228 | 12.33 | 0 |
| 14/12/2012 0:00 | | | 0.6 | 257 | 12.64 | 0 |
| 14/12/2012 0:15 | | | 1.2 | 230 | 8.4 | 0 |
| 14/12/2012 0:30 | 25.2 | 43.9 | 0.8 | 167 | 33.78 | 0 |
| 14/12/2012 0:45 | | | 0.5 | 230 | 38.06 | 0 |
| 14/12/2012 1:00 | | | 0.8 | 257 | 13.35 | 0 |
| 14/12/2012 1:15 | | | 0.5 | 217 | 16.02 | 0 |
| 14/12/2012 1:30 | 26.6 | 39.3 | 0.5 | 270 | 11.75 | 0 |
| 14/12/2012 1:45 | | | 0.8 | 255 | 9.7 | 0 |
| 14/12/2012 2:00 | | | 0.7 | 201 | 21.31 | 0 |
| 14/12/2012 2:15 | | | 0.2 | 234 | 78.59 | 0 |
| 14/12/2012 2:30 | 27 | 39.2 | 0.7 | 264 | 24.2 | 0 |
| 14/12/2012 2:45 | | | 0.6 | 246 | 77.73 | 0 |
| 14/12/2012 3:00 | | | 0.7 | 258 | 8.69 | 0 |
| 14/12/2012 3:15 | | | 0.6 | 233 | 17.44 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 14/12/2012 3:30 | 27 | 41.4 | 0.7 | 242 | 15.65 | 0 |
| 14/12/2012 3:45 | | | 0.9 | 245 | 12.52 | 0 |
| 14/12/2012 4:00 | | | 0.9 | 218 | 10.51 | 0 |
| 14/12/2012 4:15 | | | 1.2 | 235 | 10.51 | 0 |
| 14/12/2012 4:30 | 26.5 | 43.5 | 0.7 | 133 | 28.39 | 0 |
| 14/12/2012 4:45 | | | 1 | 254 | 45.79 | 0 |
| 14/12/2012 5:00 | | | 1.1 | 224 | 11.18 | 0 |
| 14/12/2012 5:15 | | | 0.6 | 216 | 12.78 | 0 |
| 14/12/2012 5:30 | 26.3 | 43.4 | 0.1 | 246 | 53.39 | 0 |
| 14/12/2012 5:45 | | | 0.7 | 237 | 17.33 | 0 |
| 14/12/2012 6:00 | | | 0.6 | 190 | 24.48 | 0 |
| 14/12/2012 6:15 | | | 0.8 | 237 | 27.82 | 0 |
| 14/12/2012 6:30 | 25.7 | 43.5 | 1 | 233 | 11.07 | 0 |
| 14/12/2012 6:45 | | | 1 | 165 | 19.69 | 0 |
| 14/12/2012 7:00 | | | 0.9 | 195 | 18.99 | 0 |
| 14/12/2012 7:15 | | | 1.1 | 169 | 18.25 | 0 |
| 14/12/2012 7:30 | 24.2 | 50.2 | 1.6 | 233 | 23.01 | 0 |
| 14/12/2012 7:45 | | | 1.6 | 214 | 19.91 | 0 |
| 14/12/2012 8:00 | | | 1 | 175 | 36.68 | 0 |
| 14/12/2012 8:15 | | | 1.5 | 205 | 27.6 | 0 |
| 14/12/2012 8:30 | 22.7 | 57.9 | 1.8 | 237 | 39.04 | 0 |
| 14/12/2012 8:45 | | | 0.9 | 187 | 52.43 | 0 |
| 14/12/2012 9:00 | | | 2.2 | 130 | 49.11 | 0 |
| 14/12/2012 9:15 | | | 2.7 | 81 | 73.17 | 0 |
| 14/12/2012 9:30 | 21.3 | 62.7 | 2.4 | 182 | 99.27 | 0 |
| 14/12/2012 9:45 | | | 4 | 210 | 58.46 | 0 |
| 14/12/2012 10:00 | | | 2 | 237 | 37.33 | 0 |
| 14/12/2012 10:15 | | | 0.8 | 196 | 43.13 | 0 |
| 14/12/2012 10:30 | 19.9 | 69.3 | 2 | 165 | 29.9 | 0 |
| 14/12/2012 10:45 | | | 3.2 | 22 | 71.58 | 0 |
| 14/12/2012 11:00 | | | 1.8 | 65 | 74.62 | 0 |
| 14/12/2012 11:15 | | | 1 | 51 | 40.72 | 0 |
| 14/12/2012 11:30 | 18.6 | 76.2 | 3.3 | 124 | 47.72 | 0 |
| 14/12/2012 11:45 | | | 0.8 | 179 | 57.77 | 0 |
| 14/12/2012 12:00 | | | 3 | 114 | 88.12 | 0 |
| 14/12/2012 12:15 | | | 4.5 | 47 | 29.16 | 0 |
| 14/12/2012 12:30 | 17.7 | 81.1 | 1.1 | 48 | 40.7 | 0 |
| 14/12/2012 12:45 | | | 4.4 | 50 | 41.33 | 0 |
| 14/12/2012 13:00 | | | 3.4 | 56 | 59.2 | 0 |
| 14/12/2012 13:15 | | | 0.2 | 66 | 50.07 | 0 |
| 14/12/2012 13:30 | 17.2 | 82.7 | 2.4 | 10 | 80.95 | 0 |
| 14/12/2012 13:45 | | | 3.3 | 69 | 47.63 | 0 |
| 14/12/2012 14:00 | | | 3 | 113 | 28.23 | 0 |
| 14/12/2012 14:15 | | | 4.1 | 36 | 26.56 | 0 |
| 14/12/2012 14:30 | 16.6 | 85.9 | 1.3 | 128 | 19.82 | 0 |
| 14/12/2012 14:45 | | | 2.1 | 97 | 29.14 | 0 |
| 14/12/2012 15:00 | | | 6.5 | 78 | 22.98 | 0 |
| 14/12/2012 15:15 | | | 6.3 | 65 | 21.27 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 14/12/2012 15:30 | 16.3 | 88.2 | 3.3 | 22 | 32.2 | 0 |
| 14/12/2012 15:45 | | | 3.7 | 29 | 27.52 | 0 |
| 14/12/2012 16:00 | | | 2.1 | 73 | 20.26 | 0 |
| 14/12/2012 16:15 | | | 4.3 | 105 | 29.6 | 0 |
| 14/12/2012 16:30 | 16 | 89.3 | 3.9 | 100 | 26.99 | 0 |
| 14/12/2012 16:45 | | | 2.6 | 47 | 28.37 | 0 |
| 14/12/2012 17:00 | | | 4.6 | 66 | 22.7 | 0 |
| 14/12/2012 17:15 | | | 7.7 | 84 | 21.8 | 0 |
| 14/12/2012 17:30 | 15.9 | 89.5 | 5.1 | 32 | 25.1 | 0 |
| 14/12/2012 17:45 | | | 5.2 | 58 | 20.32 | 0 |
| 14/12/2012 18:00 | | | 3.2 | 50 | 19.21 | 0 |
| 14/12/2012 18:15 | | | 2 | 104 | 18.89 | 0 |
| 14/12/2012 18:30 | 15.5 | 91.2 | 3.6 | 53 | 21.24 | 0 |
| 14/12/2012 18:45 | | | 1.8 | 72 | 14.46 | 0 |
| 14/12/2012 19:00 | | | 2.7 | 93 | 16.86 | 0 |
| 14/12/2012 19:15 | | | 3.6 | 56 | 18.85 | 0 |
| 14/12/2012 19:30 | 16.2 | 88.1 | 2.5 | 68 | 14.43 | 0 |
| 14/12/2012 19:45 | | | 1.8 | 68 | 14.03 | 0 |
| 14/12/2012 20:00 | | | 2.1 | 58 | 17.16 | 0 |
| 14/12/2012 20:15 | | | 0.9 | 64 | 14.88 | 0 |
| 14/12/2012 20:30 | 18.3 | 80.6 | 1 | 87 | 11.93 | 0 |
| 14/12/2012 20:45 | | | 1.2 | 72 | 12.7 | 0 |
| 14/12/2012 21:00 | | | 0.3 | 34 | 18.06 | 0 |
| 14/12/2012 21:15 | | | 0 | 18 | 31.47 | 0 |
| 14/12/2012 21:30 | 22 | 64.7 | 0.4 | 70 | 46.31 | 0 |
| 14/12/2012 21:45 | | | 0.4 | 289 | 51.64 | 0 |
| 14/12/2012 22:00 | | | 0.3 | 236 | 18.7 | 0 |
| 14/12/2012 22:15 | | | 0.1 | 98 | 60.97 | 0 |
| 14/12/2012 22:30 | 23.3 | 54.1 | 0.5 | 233 | 76.17 | 0 |
| 14/12/2012 22:45 | | | 0.3 | 305 | 23.98 | 0 |
| 14/12/2012 23:00 | | | 0.2 | 250 | 43.19 | 0 |
| 14/12/2012 23:15 | | | 0.4 | 253 | 70.34 | 0 |
| 14/12/2012 23:30 | 24.5 | 51 | 0.3 | 255 | 9.94 | 0 |
| 14/12/2012 23:45 | | | 0.2 | 263 | 8.15 | 0 |
| 15/12/2012 0:00 | | | 0.2 | 224 | 15.88 | 0 |
| 15/12/2012 0:15 | | | 0.1 | 312 | 95.14 | 0 |
| 15/12/2012 0:30 | 25.5 | 49 | 0.2 | 87 | 49.63 | 0 |
| 15/12/2012 0:45 | | | 0.7 | 277 | 64.78 | 0 |
| 15/12/2012 1:00 | | | 0.2 | 307 | 64.17 | 0 |
| 15/12/2012 1:15 | | | 0.7 | 290 | 10.03 | 0 |
| 15/12/2012 1:30 | 27 | 45.3 | 0.5 | 175 | 42.85 | 0 |
| 15/12/2012 1:45 | | | 0.4 | 235 | 21.08 | 0 |
| 15/12/2012 2:00 | | | 0.5 | 192 | 34.64 | 0 |
| 15/12/2012 2:15 | | | 0.7 | 252 | 22.36 | 0 |
| 15/12/2012 2:30 | 27.7 | 41.6 | 1.3 | 257 | 23.38 | 0 |
| 15/12/2012 2:45 | | | 0.3 | 272 | 11.53 | 0 |
| 15/12/2012 3:00 | | | 1 | 232 | 11.6 | 0 |
| 15/12/2012 3:15 | | | 0.8 | 231 | 5.82 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 15/12/2012 3:30 | 28.9 | 37.7 | 0.9 | 150 | 41.17 | 0 |
| 15/12/2012 3:45 | | | 0.4 | 165 | 10.67 | 0 |
| 15/12/2012 4:00 | | | 0.8 | 238 | 37.66 | 0 |
| 15/12/2012 4:15 | | | 0.9 | 289 | 34.38 | 0 |
| 15/12/2012 4:30 | 29.6 | 38.2 | 0.9 | 274 | 15.21 | 0 |
| 15/12/2012 4:45 | | | 0.8 | 259 | 14.05 | 0 |
| 15/12/2012 5:00 | | | 0.6 | 257 | 8.13 | 0 |
| 15/12/2012 5:15 | | | 0.6 | 236 | 15.76 | 0 |
| 15/12/2012 5:30 | 28.7 | 42 | 0.3 | 160 | 64.78 | 0 |
| 15/12/2012 5:45 | | | 0.3 | 264 | 72.44 | 0 |
| 15/12/2012 6:00 | | | 0 | 306 | 89.15 | 0 |
| 15/12/2012 6:15 | | | 0.2 | 131 | 61.99 | 0 |
| 15/12/2012 6:30 | 27.2 | 47.9 | 0.5 | 48 | 46.04 | 0 |
| 15/12/2012 6:45 | | | 1.1 | 68 | 20.09 | 0 |
| 15/12/2012 7:00 | | | 1.8 | 15 | 15.2 | 0 |
| 15/12/2012 7:15 | | | 1.2 | 45 | 10.46 | 0 |
| 15/12/2012 7:30 | 25.4 | 53.1 | 1.2 | 17 | 10.8 | 0 |
| 15/12/2012 7:45 | | | 0.4 | 59 | 43.26 | 0 |
| 15/12/2012 8:00 | | | 0.6 | 64 | 25.61 | 0 |
| 15/12/2012 8:15 | | | 0.3 | 108 | 90.94 | 0 |
| 15/12/2012 8:30 | 23.7 | 60.3 | 3.5 | 283 | 84.06 | 0 |
| 15/12/2012 8:45 | | | 1.4 | 1 | 25.46 | 0 |
| 15/12/2012 9:00 | | | 2.6 | 293 | 37.38 | 0 |
| 15/12/2012 9:15 | | | 2.4 | 279 | 28.66 | 0 |
| 15/12/2012 9:30 | 23 | 66.6 | 2.3 | 255 | 40.93 | 0 |
| 15/12/2012 9:45 | | | 3.2 | 322 | 24.26 | 0 |
| 15/12/2012 10:00 | | | 1 | 254 | 32.81 | 0 |
| 15/12/2012 10:15 | | | 2.6 | 354 | 38.93 | 0 |
| 15/12/2012 10:30 | 22.4 | 71.7 | 4.2 | 310 | 29.15 | 0 |
| 15/12/2012 10:45 | | | 2.2 | 330 | 28.89 | 0 |
| 15/12/2012 11:00 | | | 3.5 | 315 | 45.98 | 0 |
| 15/12/2012 11:15 | | | 2.5 | 328 | 35.17 | 0 |
| 15/12/2012 11:30 | 22.1 | 73.9 | 1.8 | 316 | 37.04 | 0 |
| 15/12/2012 11:45 | | | 3.9 | 44 | 43.89 | 0 |
| 15/12/2012 12:00 | | | 1.6 | 307 | 44.39 | 0 |
| 15/12/2012 12:15 | | | 2.6 | 312 | 72.64 | 0 |
| 15/12/2012 12:30 | 22 | 75 | 0.6 | 21 | 45.89 | 0 |
| 15/12/2012 12:45 | | | 3.1 | 321 | 52.35 | 0 |
| 15/12/2012 13:00 | | | 1.4 | 338 | 44.4 | 0 |
| 15/12/2012 13:15 | | | 3.2 | 357 | 67.97 | 0 |
| 15/12/2012 13:30 | 21.7 | 77.3 | 2.3 | 324 | 39.46 | 0 |
| 15/12/2012 13:45 | | | 4.1 | 9 | 44.49 | 0 |
| 15/12/2012 14:00 | | | 1.8 | 27 | 28.02 | 0 |
| 15/12/2012 14:15 | | | 2.4 | 9 | 41.39 | 0 |
| 15/12/2012 14:30 | 21.2 | 80.6 | 4.1 | 311 | 53.2 | 0 |
| 15/12/2012 14:45 | | | 3 | 327 | 55.4 | 0 |
| 15/12/2012 15:00 | | | 3.9 | 11 | 48.17 | 0 |
| 15/12/2012 15:15 | | | 3.2 | 73 | 29.6 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 15/12/2012 15:30 | 21.1 | 81.1 | 2.3 | 331 | 31.57 | 0 |
| 15/12/2012 15:45 | | | 5.2 | 36 | 26.28 | 0 |
| 15/12/2012 16:00 | | | 5.2 | 50 | 29.75 | 0 |
| 15/12/2012 16:15 | | | 5.3 | 26 | 21.11 | 0 |
| 15/12/2012 16:30 | 20.9 | 81.9 | 4.2 | 358 | 24.27 | 0 |
| 15/12/2012 16:45 | | | 3.5 | 29 | 25.63 | 0 |
| 15/12/2012 17:00 | | | 4.6 | 32 | 18.57 | 0 |
| 15/12/2012 17:15 | | | 6.3 | 7 | 10.52 | 0 |
| 15/12/2012 17:30 | 20.5 | 85.9 | 4.5 | 31 | 13.37 | 0 |
| 15/12/2012 17:45 | | | 5.7 | 59 | 15 | 0 |
| 15/12/2012 18:00 | | | 4.6 | 30 | 15.5 | 0 |
| 15/12/2012 18:15 | | | 5.5 | 39 | 16.4 | 0 |
| 15/12/2012 18:30 | 20.1 | 88.8 | 3.3 | 32 | 13.73 | 0 |
| 15/12/2012 18:45 | | | 3.1 | 7 | 12.01 | 0 |
| 15/12/2012 19:00 | | | 3.6 | 32 | 13.4 | 0 |
| 15/12/2012 19:15 | | | 3.8 | 21 | 12.65 | 0 |
| 15/12/2012 19:30 | 20.4 | 87.7 | 4.5 | 38 | 11.32 | 0 |
| 15/12/2012 19:45 | | | 1.9 | 33 | 17.98 | 0 |
| 15/12/2012 20:00 | | | 1.5 | 61 | 16.03 | 0 |
| 15/12/2012 20:15 | | | 2.1 | 72 | 15.38 | 0 |
| 15/12/2012 20:30 | 21.2 | 84 | 2.6 | 52 | 20.63 | 0 |
| 15/12/2012 20:45 | | | 1.8 | 18 | 13.14 | 0 |
| 15/12/2012 21:00 | | | 1.9 | 78 | 20.55 | 0 |
| 15/12/2012 21:15 | | | 3.1 | 24 | 17.88 | 0 |
| 15/12/2012 21:30 | 23.6 | 71 | 2.4 | 44 | 15.68 | 0 |
| 15/12/2012 21:45 | | | 1.6 | 18 | 15.29 | 0 |
| 15/12/2012 22:00 | | | 1.9 | 35 | 13.75 | 0 |
| 15/12/2012 22:15 | | | 2.6 | 47 | 14.04 | 0 |
| 15/12/2012 22:30 | 25.7 | 60.3 | 2.3 | 39 | 16.7 | 0 |
| 15/12/2012 22:45 | | | 2.8 | 81 | 17.96 | 0 |
| 15/12/2012 23:00 | | | 2.6 | 16 | 15.55 | 0 |
| 15/12/2012 23:15 | | | 2.7 | 72 | 15.78 | 0 |
| 15/12/2012 23:30 | 27.7 | 49.9 | 0.8 | 172 | 45.52 | 0 |
| 15/12/2012 23:45 | | | 0.7 | 117 | 39.01 | 0 |
| 16/12/2012 0:00 | | | 1.1 | 68 | 13.57 | 0 |
| 16/12/2012 0:15 | | | 1.8 | 50 | 12.01 | 0 |
| 16/12/2012 0:30 | 28.8 | 47.2 | 1.5 | 78 | 24.48 | 0 |
| 16/12/2012 0:45 | | | 1.1 | 126 | 17.54 | 0 |
| 16/12/2012 1:00 | | | 1.2 | 153 | 33.72 | 0 |
| 16/12/2012 1:15 | | | 0.9 | 135 | 15.68 | 0 |
| 16/12/2012 1:30 | 30.3 | 41.7 | 2 | 210 | 33.79 | 0 |
| 16/12/2012 1:45 | | | 1.2 | 87 | 26.02 | 0 |
| 16/12/2012 2:00 | | | 1.1 | 140 | 33.82 | 0 |
| 16/12/2012 2:15 | | | 1.3 | 144 | 30.47 | 0 |
| 16/12/2012 2:30 | 31.9 | 38.3 | 1.7 | 200 | 27.63 | 0 |
| 16/12/2012 2:45 | | | 1 | 81 | 49.65 | 0 |
| 16/12/2012 3:00 | | | 0.9 | 128 | 27.48 | 0 |
| 16/12/2012 3:15 | | | 0.8 | 46 | 19.27 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 16/12/2012 3:30 | 33.3 | 35.3 | 2.3 | 69 | 20.88 | 0 |
| 16/12/2012 3:45 | | | 1.2 | 23 | 11.46 | 0 |
| 16/12/2012 4:00 | | | 1.7 | 42 | 17.12 | 0 |
| 16/12/2012 4:15 | | | 0.4 | 191 | 54.23 | 0 |
| 16/12/2012 4:30 | 34.2 | 34.1 | 1.9 | 220 | 13.14 | 0 |
| 16/12/2012 4:45 | | | 1.6 | 256 | 38.19 | 0 |
| 16/12/2012 5:00 | | | 1.3 | 244 | 16.58 | 0 |
| 16/12/2012 5:15 | | | 0.9 | 237 | 13.49 | 0 |
| 16/12/2012 5:30 | 33.3 | 38.7 | 0.7 | 260 | 14.42 | 0 |
| 16/12/2012 5:45 | | | 0.5 | 238 | 7.43 | 0 |
| 16/12/2012 6:00 | | | 1.2 | 208 | 9.66 | 0 |
| 16/12/2012 6:15 | | | 1 | 177 | 22.99 | 0 |
| 16/12/2012 6:30 | 31.9 | 42.2 | 0.8 | 198 | 28.58 | 0 |
| 16/12/2012 6:45 | | | 0.5 | 166 | 21.93 | 0 |
| 16/12/2012 7:00 | | | 0.4 | 350 | 74.5 | 0 |
| 16/12/2012 7:15 | | | 1.1 | 249 | 72 | 0 |
| 16/12/2012 7:30 | 30.1 | 45.5 | 0.7 | 86 | 76.18 | 0 |
| 16/12/2012 7:45 | | | 0.7 | 173 | 44.37 | 0 |
| 16/12/2012 8:00 | | | 0.7 | 274 | 59.86 | 0 |
| 16/12/2012 8:15 | | | 0.4 | 110 | 49.16 | 0 |
| 16/12/2012 8:30 | 28 | 48.6 | 0.4 | 276 | 85 | 0 |
| 16/12/2012 8:45 | | | 1.8 | 234 | 42.65 | 0 |
| 16/12/2012 9:00 | | | 1.5 | 324 | 79.41 | 0 |
| 16/12/2012 9:15 | | | 2.5 | 5 | 35.77 | 0 |
| 16/12/2012 9:30 | 26.7 | 50.9 | 1.2 | 311 | 41.04 | 0 |
| 16/12/2012 9:45 | | | 1.6 | 278 | 32.06 | 0 |
| 16/12/2012 10:00 | | | 1.5 | 287 | 14.7 | 0 |
| 16/12/2012 10:15 | | | 6.3 | 295 | 41.01 | 0 |
| 16/12/2012 10:30 | 25.5 | 55 | 3.8 | 18 | 47 | 0 |
| 16/12/2012 10:45 | | | 2.4 | 351 | 35.93 | 0 |
| 16/12/2012 11:00 | | | 3.6 | 36 | 30.36 | 0 |
| 16/12/2012 11:15 | | | 3.6 | 14 | 26.08 | 0 |
| 16/12/2012 11:30 | 24.5 | 59.7 | 1 | 152 | 54.2 | 0 |
| 16/12/2012 11:45 | | | 3.6 | 5 | 40.51 | 0 |
| 16/12/2012 12:00 | | | 3.8 | 33 | 25.03 | 0 |
| 16/12/2012 12:15 | | | 3.8 | 57 | 27.75 | 0 |
| 16/12/2012 12:30 | 23.7 | 66.1 | 3.3 | 348 | 32.51 | 0 |
| 16/12/2012 12:45 | | | 4.2 | 328 | 29.55 | 0 |
| 16/12/2012 13:00 | | | 4 | 57 | 33.96 | 0 |
| 16/12/2012 13:15 | | | 1.7 | 47 | 33.54 | 0 |
| 16/12/2012 13:30 | 22.6 | 70.4 | 5.4 | 20 | 18.97 | 0 |
| 16/12/2012 13:45 | | | 3.2 | 336 | 29.39 | 0 |
| 16/12/2012 14:00 | | | 3.6 | 31 | 44.52 | 0 |
| 16/12/2012 14:15 | | | 2.9 | 15 | 28.98 | 0 |
| 16/12/2012 14:30 | 22 | 74.2 | 4.7 | 311 | 28.45 | 0 |
| 16/12/2012 14:45 | | | 2.1 | 70 | 35.16 | 0 |
| 16/12/2012 15:00 | | | 2.6 | 22 | 41.59 | 0 |
| 16/12/2012 15:15 | | | 3.8 | 329 | 30.71 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 16/12/2012 15:30 | 21.5 | 79.1 | 3.2 | 31 | 37.63 | 0 |
| 16/12/2012 15:45 | | | 4.2 | 43 | 25.33 | 0 |
| 16/12/2012 16:00 | | | 6 | 14 | 18.33 | 0 |
| 16/12/2012 16:15 | | | 6.1 | 18 | 16.38 | 0 |
| 16/12/2012 16:30 | 20.5 | 83.1 | 5.9 | 25 | 17.37 | 0 |
| 16/12/2012 16:45 | | | 7.2 | 8 | 18.91 | 0 |
| 16/12/2012 17:00 | | | 5.2 | 44 | 23.02 | 0 |
| 16/12/2012 17:15 | | | 6 | 90 | 17.63 | 0 |
| 16/12/2012 17:30 | 20.2 | 85.5 | 6 | 61 | 17.16 | 0 |
| 16/12/2012 17:45 | | | 6.4 | 60 | 17.56 | 0 |
| 16/12/2012 18:00 | | | 4.5 | 61 | 14.37 | 0 |
| 16/12/2012 18:15 | | | 5.8 | 21 | 16.49 | 0 |
| 16/12/2012 18:30 | 19.9 | 89 | 3.1 | 51 | 16.69 | 0 |
| 16/12/2012 18:45 | | | 3.9 | 43 | 17.07 | 0 |
| 16/12/2012 19:00 | | | 4.4 | 70 | 16.91 | 0 |
| 16/12/2012 19:15 | | | 5 | 45 | 14.34 | 0 |
| 16/12/2012 19:30 | 20.5 | 81.8 | 4.1 | 78 | 15.24 | 0 |
| 16/12/2012 19:45 | | | 2.2 | 70 | 15.89 | 0 |
| 16/12/2012 20:00 | | | 2.4 | 62 | 15.79 | 0 |
| 16/12/2012 20:15 | | | 2 | 92 | 15.87 | 0 |
| 16/12/2012 20:30 | 23.4 | 71.7 | 0.2 | 61 | 30.18 | 0 |
| 16/12/2012 20:45 | | | 0.9 | 134 | 29.98 | 0 |
| 16/12/2012 21:00 | | | 0.6 | 127 | 20.61 | 0 |
| 16/12/2012 21:15 | | | 0.8 | 115 | 15.99 | 0 |
| 16/12/2012 21:30 | 26.8 | 58.4 | 0.3 | 86 | 32.01 | 0 |
| 16/12/2012 21:45 | | | 0.6 | 303 | 71.46 | 0 |
| 16/12/2012 22:00 | | | 0.6 | 275 | 13.96 | 0 |
| 16/12/2012 22:15 | | | 0.4 | 129 | 96.33 | 0 |
| 16/12/2012 22:30 | 29.1 | 49.1 | 0.6 | 57 | 18.1 | 0 |
| 16/12/2012 22:45 | | | 1.3 | 103 | 19.3 | 0 |
| 16/12/2012 23:00 | | | 1.2 | 67 | 9.76 | 0 |
| 16/12/2012 23:15 | | | 0.8 | 43 | 40.98 | 0 |
| 16/12/2012 23:30 | 31.2 | 44.4 | 0.2 | 137 | 69.53 | 0 |
| 16/12/2012 23:45 | | | 0.1 | 355 | 66.21 | 0 |
| 17/12/2012 0:00 | | | 0.3 | 357 | 70.71 | 0 |
| 17/12/2012 0:15 | | | 0.2 | 90 | 44.39 | 0 |
| 17/12/2012 0:30 | 32.6 | 41.1 | 0.6 | 264 | 69.67 | 0 |
| 17/12/2012 0:45 | | | 0.2 | 249 | 10.06 | 0 |
| 17/12/2012 1:00 | | | 0.3 | 44 | 73.65 | 0 |
| 17/12/2012 1:15 | | | 0.2 | 86 | 35.01 | 0 |
| 17/12/2012 1:30 | 32.3 | 47.2 | 0 | 297 | 50.9 | 0 |
| 17/12/2012 1:45 | | | 0.6 | 50 | 115 | 0 |
| 17/12/2012 2:00 | | | 0.3 | 43 | 58.07 | 0 |
| 17/12/2012 2:15 | | | 0.2 | 50 | 42.02 | 0 |
| 17/12/2012 2:30 | 30.9 | 51.1 | 0.6 | 293 | 58.53 | 0 |
| 17/12/2012 2:45 | | | 0.7 | 304 | 16.18 | 0 |
| 17/12/2012 3:00 | | | 0.7 | 282 | 14.28 | 0 |
| 17/12/2012 3:15 | | | 0.6 | 189 | 42.72 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 17/12/2012 3:30 | 28.7 | 53.4 | 0.2 | 80 | 101.07 | 0 |
| 17/12/2012 3:45 | | | 0.5 | 255 | 80 | 0 |
| 17/12/2012 4:00 | | | 0.4 | 264 | 16.05 | 0 |
| 17/12/2012 4:15 | | | 0.4 | 89 | 74.71 | 0 |
| 17/12/2012 4:30 | 26.1 | 63.7 | 0.3 | 303 | 79.72 | 0 |
| 17/12/2012 4:45 | | | 0.4 | 315 | 52.29 | 0 |
| 17/12/2012 5:00 | | | 0.1 | 40 | 21.77 | 0 |
| 17/12/2012 5:15 | | | 0.5 | 92 | 53.33 | 0 |
| 17/12/2012 5:30 | 27 | 61.5 | 0.2 | 276 | 90.73 | 0 |
| 17/12/2012 5:45 | | | 0.3 | 257 | 28.66 | 0 |
| 17/12/2012 6:00 | | | 1.6 | 237 | 8.07 | 0 |
| 17/12/2012 6:15 | | | 1.1 | 236 | 9.1 | 0 |
| 17/12/2012 6:30 | 26.1 | 65.6 | 0.4 | 244 | 8.47 | 0 |
| 17/12/2012 6:45 | | | 0.5 | 256 | 12.71 | 0 |
| 17/12/2012 7:00 | | | 0.5 | 203 | 17.22 | 0 |
| 17/12/2012 7:15 | | | 0.8 | 229 | 79.23 | 0 |
| 17/12/2012 7:30 | 24.4 | 74.5 | 0.7 | 263 | 17.8 | 0 |
| 17/12/2012 7:45 | | | 1.1 | 214 | 26 | 0 |
| 17/12/2012 8:00 | | | 0.5 | 276 | 26.77 | 0 |
| 17/12/2012 8:15 | | | 0.7 | 150 | 57.55 | 0 |
| 17/12/2012 8:30 | 23.5 | 79.7 | 0.5 | 21 | 67.92 | 0 |
| 17/12/2012 8:45 | | | 1.2 | 256 | 40.61 | 0 |
| 17/12/2012 9:00 | | | 1.8 | 295 | 36.31 | 0 |
| 17/12/2012 9:15 | | | 0.1 | 227 | 60.6 | 0 |
| 17/12/2012 9:30 | 23.2 | 80.4 | 1.1 | 278 | 71.77 | 0 |
| 17/12/2012 9:45 | | | 0.8 | 92 | 66.6 | 0 |
| 17/12/2012 10:00 | | | 2.8 | 11 | 83.84 | 0 |
| 17/12/2012 10:15 | | | 1.9 | 313 | 45.93 | 0 |
| 17/12/2012 10:30 | 23.3 | 78.8 | 2 | 346 | 58.56 | 0 |
| 17/12/2012 10:45 | | | 0.7 | 38 | 47.13 | 0 |
| 17/12/2012 11:00 | | | 2.2 | 25 | 80.42 | 0 |
| 17/12/2012 11:15 | | | 2 | 86 | 38.4 | 0 |
| 17/12/2012 11:30 | 23 | 78.1 | 3 | 125 | 44.46 | 0 |
| 17/12/2012 11:45 | | | 1.8 | 130 | 55.35 | 0 |
| 17/12/2012 12:00 | | | 2.4 | 125 | 49.73 | 0 |
| 17/12/2012 12:15 | | | 5.4 | 90 | 30.28 | 0 |
| 17/12/2012 12:30 | 23 | 77.6 | 1.6 | 114 | 20.75 | 0 |
| 17/12/2012 12:45 | | | 3.4 | 67 | 30.23 | 0 |
| 17/12/2012 13:00 | | | 5.4 | 83 | 25.53 | 0 |
| 17/12/2012 13:15 | | | 7.5 | 66 | 16.87 | 0 |
| 17/12/2012 13:30 | 22.7 | 79 | 6.1 | 86 | 22.85 | 0 |
| 17/12/2012 13:45 | | | 4.6 | 70 | 20.49 | 0 |
| 17/12/2012 14:00 | | | 7.1 | 61 | 23.16 | 0 |
| 17/12/2012 14:15 | | | 5.8 | 126 | 27.71 | 0 |
| 17/12/2012 14:30 | 22.4 | 81.2 | 5 | 84 | 30.59 | 0 |
| 17/12/2012 14:45 | | | 8.6 | 107 | 20.99 | 0 |
| 17/12/2012 15:00 | | | 3 | 77 | 25.3 | 0 |
| 17/12/2012 15:15 | | | 3.4 | 126 | 23.69 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 17/12/2012 15:30 | 22.4 | 81.8 | 2.9 | 110 | 27.5 | 0 |
| 17/12/2012 15:45 | | | 1.9 | 137 | 27.98 | 0 |
| 17/12/2012 16:00 | | | 4.2 | 85 | 25.89 | 0 |
| 17/12/2012 16:15 | | | 6.1 | 101 | 33.22 | 0 |
| 17/12/2012 16:30 | 22.4 | 82.6 | 3.6 | 53 | 26.24 | 0 |
| 17/12/2012 16:45 | | | 7.6 | 126 | 32.14 | 0 |
| 17/12/2012 17:00 | | | 2.8 | 181 | 28.09 | 0 |
| 17/12/2012 17:15 | | | 3.6 | 125 | 29.2 | 0 |
| 17/12/2012 17:30 | 22.2 | 82.7 | 3.2 | 118 | 25.64 | 0 |
| 17/12/2012 17:45 | | | 1.9 | 98 | 25.32 | 0 |
| 17/12/2012 18:00 | | | 3.8 | 108 | 24.53 | 0 |
| 17/12/2012 18:15 | | | 2.8 | 50 | 23.5 | 0 |
| 17/12/2012 18:30 | 22.1 | 83.6 | 2 | 140 | 30.36 | 0 |
| 17/12/2012 18:45 | | | 1.3 | 76 | 26.16 | 0 |
| 17/12/2012 19:00 | | | 1.2 | 130 | 30.87 | 0 |
| 17/12/2012 19:15 | | | 2.3 | 133 | 26.43 | 0 |
| 17/12/2012 19:30 | 22.9 | 80.6 | 3.1 | 139 | 26.1 | 0 |
| 17/12/2012 19:45 | | | 2.1 | 152 | 27.56 | 0 |
| 17/12/2012 20:00 | | | 0.6 | 163 | 38.39 | 0 |
| 17/12/2012 20:15 | | | 1.8 | 169 | 29.74 | 0 |
| 17/12/2012 20:30 | 24.2 | 76.2 | 1.2 | 137 | 25.43 | 0 |
| 17/12/2012 20:45 | | | 2.2 | 89 | 22.46 | 0 |
| 17/12/2012 21:00 | | | 1.2 | 132 | 28.66 | 0 |
| 17/12/2012 21:15 | | | 2.2 | 108 | 42.77 | 0 |
| 17/12/2012 21:30 | 25.2 | 70.8 | 1.8 | 112 | 25.4 | 0 |
| 17/12/2012 21:45 | | | 1.4 | 87 | 19.4 | 0 |
| 17/12/2012 22:00 | | | 0.4 | 132 | 22.83 | 0 |
| 17/12/2012 22:15 | | | 1 | 99 | 30.56 | 0 |
| 17/12/2012 22:30 | 26 | 68.1 | 0.7 | 85 | 24.19 | 0 |
| 17/12/2012 22:45 | | | 0.6 | 140 | 24.54 | 0 |
| 17/12/2012 23:00 | | | 0.9 | 38 | 28.24 | 0 |
| 17/12/2012 23:15 | | | 0.1 | 69 | 32.88 | 0 |
| 17/12/2012 23:30 | 27.1 | 64 | 0.7 | 110 | 31.69 | 0 |
| 17/12/2012 23:45 | | | 0.6 | 102 | 55.44 | 0 |
| 18/12/2012 0:00 | | | 0.5 | 115 | 35.34 | 0 |
| 18/12/2012 0:15 | | | 0.6 | 150 | 17.03 | 0 |
| 18/12/2012 0:30 | 27.8 | 61.1 | 1.6 | 142 | 16.45 | 0 |
| 18/12/2012 0:45 | | | 1.1 | 124 | 22.67 | 0 |
| 18/12/2012 1:00 | | | 0.9 | 144 | 26.84 | 0 |
| 18/12/2012 1:15 | | | 0.9 | 190 | 17.3 | 0 |
| 18/12/2012 1:30 | 29.1 | 56.3 | 1 | 195 | 25.39 | 0 |
| 18/12/2012 1:45 | | | 0.6 | 249 | 11.69 | 0 |
| 18/12/2012 2:00 | | | 0.5 | 263 | 14.22 | 0 |
| 18/12/2012 2:15 | | | 0.8 | 312 | 16.93 | 0 |
| 18/12/2012 2:30 | 30 | 54.9 | 0.7 | 267 | 14.96 | 0 |
| 18/12/2012 2:45 | | | 0.4 | 180 | 23.82 | 0 |
| 18/12/2012 3:00 | | | 0.6 | 233 | 16.95 | 0 |
| 18/12/2012 3:15 | | | 0.7 | 242 | 9.33 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 18/12/2012 3:30 | 30 | 56.9 | 0.6 | 232 | 26.96 | 0 |
| 18/12/2012 3:45 | | | 1 | 231 | 42.75 | 0 |
| 18/12/2012 4:00 | | | 0.7 | 226 | 6.5 | 0 |
| 18/12/2012 4:15 | | | 0.9 | 283 | 14.66 | 0 |
| 18/12/2012 4:30 | 29.4 | 61.7 | 0.8 | 276 | 16.69 | 0 |
| 18/12/2012 4:45 | | | 0.6 | 340 | 33.79 | 0 |
| 18/12/2012 5:00 | | | 0.2 | 54 | 33.54 | 0 |
| 18/12/2012 5:15 | | | 0.4 | 322 | 45.89 | 0 |
| 18/12/2012 5:30 | 28 | 67.8 | 0.7 | 328 | 37.53 | 0 |
| 18/12/2012 5:45 | | | 1.2 | 336 | 11.91 | 0 |
| 18/12/2012 6:00 | | | 1 | 13 | 18.02 | 0 |
| 18/12/2012 6:15 | | | 0.7 | 12 | 23.78 | 0 |
| 18/12/2012 6:30 | 26.7 | 73.2 | 0.4 | 66 | 24.94 | 0 |
| 18/12/2012 6:45 | | | 1.1 | 11 | 18.03 | 0 |
| 18/12/2012 7:00 | | | 0.9 | 102 | 46.75 | 0 |
| 18/12/2012 7:15 | | | 0.6 | 20 | 42.25 | 0 |
| 18/12/2012 7:30 | 26 | 75.9 | 1.3 | 162 | 92.96 | 0 |
| 18/12/2012 7:45 | | | 0.6 | 194 | 30.85 | 0 |
| 18/12/2012 8:00 | | | 1.7 | 146 | 51.97 | 0 |
| 18/12/2012 8:15 | | | 1.1 | 281 | 42.21 | 0 |
| 18/12/2012 8:30 | 25.2 | 80.8 | 0.8 | 228 | 52.72 | 0 |
| 18/12/2012 8:45 | | | 1.3 | 45 | 75.98 | 0 |
| 18/12/2012 9:00 | | | 1.9 | 12 | 49.73 | 0 |
| 18/12/2012 9:15 | | | 1.5 | 35 | 39.59 | 0 |
| 18/12/2012 9:30 | 24.5 | 84.6 | 1.3 | 7 | 32.85 | 0 |
| 18/12/2012 9:45 | | | 1.4 | 305 | 37.18 | 0 |
| 18/12/2012 10:00 | | | 2.8 | 318 | 34.43 | 0 |
| 18/12/2012 10:15 | | | 1.6 | 350 | 41.23 | 0 |
| 18/12/2012 10:30 | 24.6 | 83.5 | 1.5 | 355 | 37.05 | 0 |
| 18/12/2012 10:45 | | | 0.8 | 50 | 42.69 | 0 |
| 18/12/2012 11:00 | | | 2.2 | 35 | 42.28 | 0 |
| 18/12/2012 11:15 | | | 2.7 | 44 | 32.03 | 0 |
| 18/12/2012 11:30 | 24.2 | 86.3 | 1.1 | 342 | 29.31 | 0 |
| 18/12/2012 11:45 | | | 1.6 | 97 | 38.64 | 0 |
| 18/12/2012 12:00 | | | 3.4 | 45 | 48.37 | 0 |
| 18/12/2012 12:15 | | | 1.8 | 290 | 44.11 | 0 |
| 18/12/2012 12:30 | 23.8 | 88.3 | 4.8 | 18 | 37.43 | 0 |
| 18/12/2012 12:45 | | | 3.3 | 40 | 26.32 | 0 |
| 18/12/2012 13:00 | | | 3.1 | 23 | 28.95 | 0 |
| 18/12/2012 13:15 | | | 2.1 | 65 | 36.13 | 0 |
| 18/12/2012 13:30 | 23.4 | 89.8 | 2.3 | 70 | 30.98 | 0 |
| 18/12/2012 13:45 | | | 5 | 52 | 32.53 | 0 |
| 18/12/2012 14:00 | | | 2.9 | 29 | 28.96 | 0 |
| 18/12/2012 14:15 | | | 4.1 | 87 | 29.55 | 0 |
| 18/12/2012 14:30 | 20.7 | 91.2 | 5.9 | 25 | 28.69 | 0 |
| 18/12/2012 14:45 | | | 4.7 | 67 | 23.95 | 0 |
| 18/12/2012 15:00 | | | 6.5 | 77 | 22.85 | 0 |
| 18/12/2012 15:15 | | | 3.7 | 70 | 18.54 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 18/12/2012 15:30 | 21.3 | 91.9 | 6 | 62 | 23 | 0 |
| 18/12/2012 15:45 | | | 3.5 | 71 | 24.3 | 0 |
| 18/12/2012 16:00 | | | 6.3 | 91 | 26.47 | 0 |
| 18/12/2012 16:15 | | | 3.5 | 83 | 22.59 | 0 |
| 18/12/2012 16:30 | 22.4 | 91.5 | 5.4 | 97 | 22.03 | 0 |
| 18/12/2012 16:45 | | | 3.8 | 54 | 23.94 | 0 |
| 18/12/2012 17:00 | | | 3.9 | 114 | 24.12 | 0 |
| 18/12/2012 17:15 | | | 2.9 | 133 | 20.58 | 0 |
| 18/12/2012 17:30 | 22.5 | 91.4 | 5.2 | 103 | 20.65 | 0 |
| 18/12/2012 17:45 | | | 3.6 | 80 | 16.13 | 0 |
| 18/12/2012 18:00 | | | 3.3 | 82 | 20.76 | 0 |
| 18/12/2012 18:15 | | | 2.3 | 106 | 19.33 | 0 |
| 18/12/2012 18:30 | 22.3 | 91.6 | 2.6 | 105 | 25.64 | 0 |
| 18/12/2012 18:45 | | | 3.4 | 105 | 21.76 | 0 |
| 18/12/2012 19:00 | | | 1.9 | 128 | 25.86 | 0 |
| 18/12/2012 19:15 | | | 4 | 134 | 21.05 | 0 |
| 18/12/2012 19:30 | 21.7 | 94.4 | 4 | 125 | 21.45 | 0 |
| 18/12/2012 19:45 | | | 3.1 | 60 | 21.13 | 0 |
| 18/12/2012 20:00 | | | 1.5 | 126 | 19.56 | 0 |
| 18/12/2012 20:15 | | | 2.4 | 114 | 25.69 | 0 |
| 18/12/2012 20:30 | 23 | 89.2 | 1.6 | 124 | 22.66 | 0 |
| 18/12/2012 20:45 | | | 0.7 | 120 | 25.36 | 0 |
| 18/12/2012 21:00 | | | 1.5 | 64 | 21.13 | 0 |
| 18/12/2012 21:15 | | | 1.4 | 84 | 20.5 | 0 |
| 18/12/2012 21:30 | 25.5 | 77.2 | 2.7 | 82 | 19.73 | 0 |
| 18/12/2012 21:45 | | | 1.3 | 151 | 25.54 | 0 |
| 18/12/2012 22:00 | | | 2 | 146 | 13.44 | 0 |
| 18/12/2012 22:15 | | | 3.4 | 132 | 17.3 | 0 |
| 18/12/2012 22:30 | 27.5 | 66.2 | 1.9 | 140 | 21.89 | 0 |
| 18/12/2012 22:45 | | | 1.2 | 107 | 28.7 | 0 |
| 18/12/2012 23:00 | | | 2.3 | 85 | 22.26 | 0 |
| 18/12/2012 23:15 | | | 1.5 | 201 | 29.72 | 0 |
| 18/12/2012 23:30 | 28.9 | 56.5 | 1.2 | 156 | 24.5 | 0 |
| 18/12/2012 23:45 | | | 1.6 | 127 | 18.98 | 0 |
| 19/12/2012 0:00 | | | 0.8 | 123 | 18.98 | 0 |
| 19/12/2012 0:15 | | | 1.1 | 129 | 33.13 | 0 |
| 19/12/2012 0:30 | 88.9 | 23.7 | 0.6 | 88 | 33.13 | 0 |
| 19/12/2012 0:45 | | | 1.1 | 181 | 33.13 | 0 |
| 19/12/2012 1:00 | | | 4.6 | 8 | 33.13 | 0 |
| 19/12/2012 1:15 | | | 1.2 | 316 | 33.13 | 0 |
| 19/12/2012 1:30 | 90.7 | 21.9 | 2.1 | 223 | 33.13 | 0 |
| 19/12/2012 1:45 | | | 0.4 | 165 | 33.13 | 0 |
| 19/12/2012 2:00 | | | 0.8 | 76 | 33.13 | 0 |
| 19/12/2012 2:15 | | | 0.6 | 251 | 33.13 | 0 |
| 19/12/2012 2:30 | 91.4 | 21.2 | 1.4 | 56 | 33.13 | 0 |
| 19/12/2012 2:45 | | | 1.7 | 87 | 33.13 | 0 |
| 19/12/2012 3:00 | | | 1 | 130 | 33.13 | 0 |
| 19/12/2012 3:15 | | | 1.8 | 201 | 33.13 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 19/12/2012 3:30 | 92 | 21.6 | 0.9 | 154 | 33.13 | 0 |
| 19/12/2012 3:45 | | | 0 | 122 | 33.13 | 0 |
| 19/12/2012 4:00 | | | 2.6 | 177 | 33.13 | 0 |
| 19/12/2012 4:15 | | | 1 | 164 | 33.13 | 0 |
| 19/12/2012 4:30 | 91.3 | 22.6 | 0.8 | 176 | 33.13 | 0 |
| 19/12/2012 4:45 | | | 1 | 22 | 33.13 | 0 |
| 19/12/2012 5:00 | | | 0.9 | 236 | 33.13 | 0 |
| 19/12/2012 5:15 | | | 0.6 | 325 | 33.13 | 0 |
| 19/12/2012 5:30 | 91.5 | 22.4 | 0 | 10 | 33.13 | 0 |
| 19/12/2012 5:45 | | | 0.9 | 49 | 33.13 | 0 |
| 19/12/2012 6:00 | | | 0.9 | 12 | 33.13 | 0 |
| 19/12/2012 6:15 | | | 0.8 | 32 | 33.13 | 0 |
| 19/12/2012 6:30 | 93.1 | 22.1 | 1.3 | 49 | 33.13 | 0 |
| 19/12/2012 6:45 | | | 1 | 64 | 33.13 | 0 |
| 19/12/2012 7:00 | | | 1.2 | 95 | 33.13 | 0 |
| 19/12/2012 7:15 | | | 0.4 | 271 | 33.13 | 0 |
| 19/12/2012 7:30 | 92.5 | 22.1 | 0.7 | 271 | 33.13 | 0 |
| 19/12/2012 7:45 | | | 1.3 | 239 | 33.13 | 0 |
| 19/12/2012 8:00 | | | 1.2 | 229 | 33.13 | 0 |
| 19/12/2012 8:15 | | | 0.6 | 211 | 33.13 | 0 |
| 19/12/2012 8:30 | 84.1 | 24.2 | 2.6 | 149 | 33.13 | 0 |
| 19/12/2012 8:45 | | | 2.1 | 141 | 29.33 | 0 |
| 19/12/2012 9:00 | | | 1.7 | 180 | 20.79 | 0 |
| 19/12/2012 9:15 | | | 3.2 | 171 | 30.81 | 0 |
| 19/12/2012 9:30 | 71.4 | 26.5 | 3.3 | 131 | 36.96 | 0 |
| 19/12/2012 9:45 | | | 0.9 | 187 | 32.09 | 0 |
| 19/12/2012 10:00 | | | 3.2 | 173 | 5.9 | 0 |
| 19/12/2012 10:15 | | | 2.4 | 174 | 28.22 | 0 |
| 19/12/2012 10:30 | 61.9 | 28.4 | 3 | 271 | 53.26 | 0 |
| 19/12/2012 10:45 | | | 3.7 | 32 | 34.76 | 0 |
| 19/12/2012 11:00 | | | 2.3 | 345 | 47.51 | 0 |
| 19/12/2012 11:15 | | | 6.2 | 38 | 41.29 | 0 |
| 19/12/2012 11:30 | 51.4 | 29.3 | 3.8 | 342 | 27.4 | 0 |
| 19/12/2012 11:45 | | | 4.5 | 21 | 25.01 | 0 |
| 19/12/2012 12:00 | | | 2.1 | 23 | 26.69 | 0 |
| 19/12/2012 12:15 | | | 3.2 | 335 | 35.64 | 0 |
| 19/12/2012 12:30 | 46.5 | 30.1 | 2.9 | 53 | 45.25 | 0 |
| 19/12/2012 12:45 | | | 2.3 | 46 | 30.63 | 0 |
| 19/12/2012 13:00 | | | 4.7 | 31 | 38.17 | 0 |
| 19/12/2012 13:15 | | | 1.2 | 59 | 51.97 | 0 |
| 19/12/2012 13:30 | 47.8 | 30.7 | 1.4 | 43 | 35.13 | 0 |
| 19/12/2012 13:45 | | | 5.5 | 313 | 24.18 | 0 |
| 19/12/2012 14:00 | | | 0.4 | 62 | 33.78 | 0 |
| 19/12/2012 14:15 | | | 4.2 | 357 | 25.7 | 0 |
| 19/12/2012 14:30 | 48.2 | 31.2 | 3.5 | 35 | 32.14 | 0 |
| 19/12/2012 14:45 | | | 3.3 | 15 | 38.3 | 0 |
| 19/12/2012 15:00 | | | 3.3 | 38 | 28.38 | 0 |
| 19/12/2012 15:15 | | | 3.3 | 31 | 24.5 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 19/12/2012 15:30 | 47 | 31.6 | 3.2 | 24 | 15.33 | 0 |
| 19/12/2012 15:45 | | | 5.3 | 53 | 22.16 | 0 |
| 19/12/2012 16:00 | | | 2.3 | 358 | 31.46 | 0 |
| 19/12/2012 16:15 | | | 6.1 | 18 | 19.38 | 0 |
| 19/12/2012 16:30 | 50.8 | 31.5 | 4.4 | 38 | 21.76 | 0 |
| 19/12/2012 16:45 | | | 4.3 | 339 | 21.55 | 0 |
| 19/12/2012 17:00 | | | 4.7 | 26 | 23.18 | 0 |
| 19/12/2012 17:15 | | | 4.7 | 9 | 11.94 | 0 |
| 19/12/2012 17:30 | 57.3 | 30.2 | 5.2 | 45 | 12.96 | 0 |
| 19/12/2012 17:45 | | | 7.4 | 43 | 2 | 0 |
| 19/12/2012 18:00 | | | 4.3 | 14 | 11.84 | 0 |
| 19/12/2012 18:15 | | | 2.2 | 18 | 15.52 | 0 |
| 19/12/2012 18:30 | 66.6 | 28 | 5.3 | 51 | 16.11 | 0 |
| 19/12/2012 18:45 | | | 4.7 | 68 | 15.84 | 0 |
| 19/12/2012 19:00 | | | 4.8 | 36 | 14.16 | 0 |
| 19/12/2012 19:15 | | | 5.7 | 30 | 13.59 | 0 |
| 19/12/2012 19:30 | 71.7 | 26.7 | 4.2 | 52 | 12.47 | 0 |
| 19/12/2012 19:45 | | | 5.7 | 46 | 15.45 | 0 |
| 19/12/2012 20:00 | | | 4.6 | 357 | 12.94 | 0 |
| 19/12/2012 20:15 | | | 3.6 | 31 | 15.03 | 0 |
| 19/12/2012 20:30 | 75.9 | 25.6 | 4.6 | 45 | 12.44 | 0 |
| 19/12/2012 20:45 | | | 5.1 | 30 | 13.11 | 0 |
| 19/12/2012 21:00 | | | 3.2 | 26 | 12.3 | 0 |
| 19/12/2012 21:15 | | | 4.3 | 17 | 12.34 | 0 |
| 19/12/2012 21:30 | 70.2 | 25.2 | 3.1 | 32 | 14.53 | 0 |
| 19/12/2012 21:45 | | | 1.8 | 51 | 11.96 | 0 |
| 19/12/2012 22:00 | | | 1.8 | 62 | 14.84 | 0 |
| 19/12/2012 22:15 | | | 1.2 | 42 | 17.2 | 0 |
| 19/12/2012 22:30 | 70.9 | 24.8 | 1.3 | 42 | 17.03 | 0 |
| 19/12/2012 22:45 | | | 1.7 | 97 | 18.13 | 0 |
| 19/12/2012 23:00 | | | 1.4 | 78 | 16.06 | 0 |
| 19/12/2012 23:15 | | | 0.8 | 65 | 17.57 | 0 |
| 19/12/2012 23:30 | 72.5 | 24.4 | 0.8 | 93 | 16.6 | 0 |
| 19/12/2012 23:45 | | | 0.6 | 47 | 14.76 | 0 |
| 20/12/2012 0:00 | | | 1.9 | 52 | 16.54 | 0 |
| 20/12/2012 0:15 | | | 1 | 50 | 18.11 | 0 |
| 20/12/2012 0:30 | 75.1 | 23.9 | 1.4 | 4 | 23.57 | 0 |
| 20/12/2012 0:45 | | | 1.4 | 308 | 38.36 | 0 |
| 20/12/2012 1:00 | | | 1 | 4 | 23.92 | 0 |
| 20/12/2012 1:15 | | | 3.2 | 29 | 12.98 | 0 |
| 20/12/2012 1:30 | 74.1 | 24 | 2.7 | 41 | 82.1 | 0 |
| 20/12/2012 1:45 | | | 3.3 | 29 | 11.17 | 0 |
| 20/12/2012 2:00 | | | 3 | 260 | 52.46 | 0 |
| 20/12/2012 2:15 | | | 1.5 | 266 | 20.96 | 0 |
| 20/12/2012 2:30 | 73.5 | 23.9 | 1.1 | 251 | 19.5 | 0 |
| 20/12/2012 2:45 | | | 1.1 | 52 | 72.33 | 0 |
| 20/12/2012 3:00 | | | 0.6 | 89 | 25.19 | 0 |
| 20/12/2012 3:15 | | | 0.9 | 249 | 60.91 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 20/12/2012 3:30 | 77.4 | 23.5 | 0.6 | 325 | 22.37 | 0 |
| 20/12/2012 3:45 | | | 2.2 | 317 | 26.62 | 0 |
| 20/12/2012 4:00 | | | 3.6 | 290 | 19.14 | 0 |
| 20/12/2012 4:15 | | | 3.4 | 285 | 14.87 | 0 |
| 20/12/2012 4:30 | 76.1 | 23.8 | 1.5 | 297 | 14.51 | 0 |
| 20/12/2012 4:45 | | | 2 | 327 | 19.16 | 0 |
| 20/12/2012 5:00 | | | 1.3 | 357 | 22.54 | 0 |
| 20/12/2012 5:15 | | | 2.7 | 290 | 18.18 | 0 |
| 20/12/2012 5:30 | 78.2 | 23.6 | 1.9 | 292 | 13.87 | 0 |
| 20/12/2012 5:45 | | | 2.2 | 278 | 19.28 | 0 |
| 20/12/2012 6:00 | | | 1.2 | 289 | 16.13 | 0 |
| 20/12/2012 6:15 | | | 0.8 | 300 | 21.72 | 0 |
| 20/12/2012 6:30 | 75.3 | 23.5 | 1.7 | 343 | 19.98 | 0 |
| 20/12/2012 6:45 | | | 1.3 | 305 | 19.05 | 0 |
| 20/12/2012 7:00 | | | 1.7 | 332 | 19.37 | 0 |
| 20/12/2012 7:15 | | | 2.2 | 312 | 18.18 | 0 |
| 20/12/2012 7:30 | 77.9 | 23.4 | 1.2 | 320 | 19.19 | 0 |
| 20/12/2012 7:45 | | | 2.3 | 340 | 20.61 | 0 |
| 20/12/2012 8:00 | | | 1.3 | 3 | 21.63 | 0 |
| 20/12/2012 8:15 | | | 2.8 | 343 | 23.5 | 0 |
| 20/12/2012 8:30 | 79.5 | 24 | 2.6 | 327 | 20.6 | 0 |
| 20/12/2012 8:45 | | | 1.9 | 351 | 22.25 | 0 |
| 20/12/2012 9:00 | | | 1.7 | 328 | 23.07 | 0 |
| 20/12/2012 9:15 | | | 1.7 | 349 | 25.05 | 0 |
| 20/12/2012 9:30 | 77.5 | 24.7 | 2.1 | 356 | 23.66 | 0 |
| 20/12/2012 9:45 | | | 2.6 | 28 | 20.99 | 0 |
| 20/12/2012 10:00 | | | 2.9 | 308 | 26.46 | 0 |
| 20/12/2012 10:15 | | | 2.2 | 312 | 21.47 | 0 |
| 20/12/2012 10:30 | 67.9 | 26.3 | 3 | 329 | 21.75 | 0 |
| 20/12/2012 10:45 | | | 1.9 | 268 | 16.78 | 0 |
| 20/12/2012 11:00 | | | 2.7 | 338 | 23.95 | 0 |
| 20/12/2012 11:15 | | | 2.4 | 349 | 22.52 | 0 |
| 20/12/2012 11:30 | 54.9 | 28.1 | 1.9 | 282 | 39.57 | 0 |
| 20/12/2012 11:45 | | | 2.4 | 291 | 25.23 | 0 |
| 20/12/2012 12:00 | | | 1.5 | 310 | 40.41 | 0 |
| 20/12/2012 12:15 | | | 2.9 | 357 | 32.55 | 0 |
| 20/12/2012 12:30 | 53.2 | 29 | 1.9 | 305 | 37.01 | 0 |
| 20/12/2012 12:45 | | | 2.9 | 195 | 55.02 | 0 |
| 20/12/2012 13:00 | | | 5.2 | 265 | 27.36 | 0 |
| 20/12/2012 13:15 | | | 4.7 | 265 | 27.37 | 0 |
| 20/12/2012 13:30 | 44.1 | 31.1 | 1.6 | 313 | 21.17 | 0 |
| 20/12/2012 13:45 | | | 1.4 | 284 | 27.2 | 0 |
| 20/12/2012 14:00 | | | 2.1 | 314 | 22.14 | 0 |
| 20/12/2012 14:15 | | | 4.2 | 291 | 23.82 | 0 |
| 20/12/2012 14:30 | 45.2 | 31 | 2.6 | 283 | 16.86 | 0 |
| 20/12/2012 14:45 | | | 2.4 | 312 | 16.42 | 0 |
| 20/12/2012 15:00 | | | 1.9 | 308 | 25.33 | 0 |
| 20/12/2012 15:15 | | | 1 | 339 | 26.82 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 20/12/2012 15:30 | 45.5 | 30.8 | 2.5 | 337 | 29.74 | 0 |
| 20/12/2012 15:45 | | | 2.9 | 299 | 25.11 | 0 |
| 20/12/2012 16:00 | | | 3.6 | 13 | 40.78 | 0 |
| 20/12/2012 16:15 | | | 3 | 5 | 43.72 | 0 |
| 20/12/2012 16:30 | 42.3 | 31.9 | 3.7 | 315 | 32.48 | 0 |
| 20/12/2012 16:45 | | | 1.1 | 2 | 22.85 | 0 |
| 20/12/2012 17:00 | | | 3 | 344 | 20.66 | 0 |
| 20/12/2012 17:15 | | | 2.4 | 336 | 23.45 | 0 |
| 20/12/2012 17:30 | 44 | 31.6 | 2.7 | 0 | 23.71 | 0 |
| 20/12/2012 17:45 | | | 2.3 | 16 | 22.88 | 0 |
| 20/12/2012 18:00 | | | 2.1 | 319 | 24.73 | 0 |
| 20/12/2012 18:15 | | | 3.3 | 19 | 17.61 | 0 |
| 20/12/2012 18:30 | 49.7 | 30.6 | 0.7 | 151 | 31.51 | 0 |
| 20/12/2012 18:45 | | | 2.5 | 158 | 24.43 | 0 |
| 20/12/2012 19:00 | | | 3.1 | 109 | 20.58 | 0.6 |
| 20/12/2012 19:15 | | | 0 | 0 | 83.41 | 1.4 |
| 20/12/2012 19:30 | 84.6 | 29.4 | 0 | 0 | 0 | 2.8 |
| 20/12/2012 19:45 | | | 0 | 0 | 0 | 0.6 |
| 20/12/2012 20:00 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 20:15 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 20:30 | 90.8 | 23.5 | 0 | 0 | 0 | 0 |
| 20/12/2012 20:45 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 21:00 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 21:15 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 21:30 | 83.3 | 23.2 | 0 | 0 | 0 | 0 |
| 20/12/2012 21:45 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 22:00 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 22:15 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 22:30 | 85.2 | 23 | 0 | 0 | 0 | 0 |
| 20/12/2012 22:45 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 23:00 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 23:15 | | | 0 | 0 | 0 | 0 |
| 20/12/2012 23:30 | 90.7 | 22.7 | 0 | 0 | 0 | 0 |
| 20/12/2012 23:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 0:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 0:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 0:30 | 92.7 | 22.4 | 0 | 0 | 0 | 0 |
| 21/12/2012 0:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 1:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 1:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 1:30 | 93.1 | 22.2 | 0 | 0 | 0 | 0 |
| 21/12/2012 1:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 2:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 2:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 2:30 | 92.3 | 22.1 | 0 | 0 | 0 | 0 |
| 21/12/2012 2:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 3:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 3:15 | | | 0 | 0 | 0 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 21/12/2012 3:30 | 92.5 | 21.8 | 0 | 0 | 0 | 0 |
| 21/12/2012 3:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 4:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 4:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 4:30 | 87.8 | 22.4 | 0 | 0 | 0 | 0 |
| 21/12/2012 4:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 5:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 5:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 5:30 | 86.8 | 22.4 | 0 | 0 | 0 | 0 |
| 21/12/2012 5:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 6:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 6:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 6:30 | 88.6 | 22 | 0 | 0 | 0 | 0 |
| 21/12/2012 6:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 7:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 7:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 7:30 | 80.7 | 23.5 | 0 | 0 | 0 | 0 |
| 21/12/2012 7:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 8:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 8:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 8:30 | 73 | 25.1 | 0 | 0 | 0 | 0 |
| 21/12/2012 8:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 9:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 9:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 9:30 | 68 | 26.2 | 0 | 0 | 0 | 0 |
| 21/12/2012 9:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 10:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 10:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 10:30 | 62.6 | 27.5 | 0 | 0 | 0 | 0 |
| 21/12/2012 10:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 11:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 11:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 11:30 | 57.2 | 28.6 | 0 | 0 | 0 | 0 |
| 21/12/2012 11:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 12:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 12:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 12:30 | 55.1 | 29.2 | 0 | 0 | 0 | 0 |
| 21/12/2012 12:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 13:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 13:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 13:30 | 49.9 | 30.3 | 0 | 0 | 0 | 0 |
| 21/12/2012 13:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 14:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 14:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 14:30 | 49.9 | 30.2 | 0 | 0 | 0 | 0 |
| 21/12/2012 14:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 15:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 15:15 | | | 0 | 0 | 0 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 21/12/2012 15:30 | 49.4 | 29.9 | 0 | 0 | 0 | 0 |
| 21/12/2012 15:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 16:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 16:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 16:30 | 56.4 | 28.3 | 0 | 0 | 0 | 0 |
| 21/12/2012 16:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 17:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 17:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 17:30 | 64.7 | 26.6 | 0 | 0 | 0 | 0 |
| 21/12/2012 17:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 18:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 18:15 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 18:30 | 69.6 | 25.6 | 0 | 0 | 0 | 0 |
| 21/12/2012 18:45 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 19:00 | | | 0 | 0 | 0 | 0 |
| 21/12/2012 19:15 | | | 3.7 | 124 | 133.25 | 0 |
| 21/12/2012 19:30 | 72.4 | 25.1 | 1.2 | 140 | 25.02 | 0 |
| 21/12/2012 19:45 | | | 2 | 146 | 18.11 | 0 |
| 21/12/2012 20:00 | | | 1.1 | 170 | 17.91 | 0 |
| 21/12/2012 20:15 | | | 1 | 158 | 2 | 0 |
| 21/12/2012 20:30 | 74.8 | 24.7 | 1.5 | 123 | 19.54 | 0 |
| 21/12/2012 20:45 | | | 2.1 | 159 | 15.34 | 0 |
| 21/12/2012 21:00 | | | 1.9 | 126 | 17.25 | 0 |
| 21/12/2012 21:15 | | | 1 | 155 | 23.49 | 0 |
| 21/12/2012 21:30 | 77 | 24.2 | 1.2 | 165 | 17.37 | 0 |
| 21/12/2012 21:45 | | | 2 | 94 | 25.98 | 0 |
| 21/12/2012 22:00 | | | 0.8 | 149 | 22.69 | 0 |
| 21/12/2012 22:15 | | | 1 | 121 | 15.23 | 0 |
| 21/12/2012 22:30 | 82.2 | 23.6 | 0.9 | 157 | 33.02 | 0 |
| 21/12/2012 22:45 | | | 1.1 | 156 | 22.34 | 0 |
| 21/12/2012 23:00 | | | 0.9 | 151 | 14.26 | 0 |
| 21/12/2012 23:15 | | | 0.9 | 150 | 24.01 | 0 |
| 21/12/2012 23:30 | 85.5 | 23.2 | 0.8 | 172 | 33.73 | 0 |
| 21/12/2012 23:45 | | | 0.9 | 180 | 28.22 | 0 |
| 22/12/2012 0:00 | | | 0.8 | 151 | 21.01 | 0 |
| 22/12/2012 0:15 | | | 0.4 | 118 | 26.84 | 0 |
| 22/12/2012 0:30 | 86.4 | 23 | 1.7 | 169 | 27.54 | 0 |
| 22/12/2012 0:45 | | | 0.8 | 165 | 16.63 | 0 |
| 22/12/2012 1:00 | | | 3 | 175 | 52.04 | 0 |
| 22/12/2012 1:15 | | | 2 | 218 | 40.69 | 0 |
| 22/12/2012 1:30 | 88.2 | 22.7 | 1.2 | 158 | 18.34 | 0 |
| 22/12/2012 1:45 | | | 1.7 | 166 | 52.6 | 0 |
| 22/12/2012 2:00 | | | 0.7 | 164 | 11.22 | 0 |
| 22/12/2012 2:15 | | | 0.8 | 159 | 49.16 | 0 |
| 22/12/2012 2:30 | 91.9 | 22 | 0.5 | 132 | 24.62 | 0 |
| 22/12/2012 2:45 | | | 0.7 | 148 | 3.1 | 0 |
| 22/12/2012 3:00 | | | 0.5 | 229 | 50.42 | 0 |
| 22/12/2012 3:15 | | | 3 | 186 | 31.55 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 22/12/2012 3:30 | 91.5 | 22.1 | 0.4 | 121 | 16.21 | 0 |
| 22/12/2012 3:45 | | | 1.3 | 168 | 16.21 | 0 |
| 22/12/2012 4:00 | | | 1.3 | 159 | 16.21 | 0 |
| 22/12/2012 4:15 | | | 0.4 | 19 | 16.21 | 0 |
| 22/12/2012 4:30 | 90.6 | 22.1 | 1.2 | 144 | 16.21 | 0 |
| 22/12/2012 4:45 | | | 0.7 | 66 | 16.21 | 0 |
| 22/12/2012 5:00 | | | 0.6 | 113 | 16.21 | 0 |
| 22/12/2012 5:15 | | | 1.1 | 153 | 16.21 | 0 |
| 22/12/2012 5:30 | 92.1 | 22 | 1.2 | 160 | 16.21 | 0 |
| 22/12/2012 5:45 | | | 1.2 | 154 | 16.21 | 0 |
| 22/12/2012 6:00 | | | 0.6 | 137 | 16.21 | 0 |
| 22/12/2012 6:15 | | | 0.7 | 122 | 16.21 | 0 |
| 22/12/2012 6:30 | 94 | 21.8 | 1.5 | 146 | 16.21 | 0 |
| 22/12/2012 6:45 | | | 0.8 | 120 | 16.21 | 0 |
| 22/12/2012 7:00 | | | 1.6 | 169 | 16.21 | 0 |
| 22/12/2012 7:15 | | | 2.1 | 160 | 16.21 | 0 |
| 22/12/2012 7:30 | 92.3 | 22.3 | 1 | 150 | 16.21 | 0 |
| 22/12/2012 7:45 | | | 2.5 | 135 | 16.21 | 0 |
| 22/12/2012 8:00 | | | 2.7 | 170 | 16.21 | 0 |
| 22/12/2012 8:15 | | | 1.6 | 113 | 16.21 | 0 |
| 22/12/2012 8:30 | 88.4 | 23.3 | 2.9 | 186 | 16.21 | 0 |
| 22/12/2012 8:45 | | | 2.7 | 165 | 16.21 | 0 |
| 22/12/2012 9:00 | | | 2.7 | 162 | 16.21 | 0 |
| 22/12/2012 9:15 | | | 1.6 | 111 | 16.21 | 0 |
| 22/12/2012 9:30 | 86 | 24.1 | 1.4 | 170 | 16.21 | 0 |
| 22/12/2012 9:45 | | | 1.4 | 157 | 16.21 | 0 |
| 22/12/2012 10:00 | | | 2.5 | 115 | 16.21 | 0 |
| 22/12/2012 10:15 | | | 1.2 | 105 | 16.21 | 0 |
| 22/12/2012 10:30 | 81.7 | 24.6 | 2.9 | 135 | 16.21 | 0 |
| 22/12/2012 10:45 | | | 2.9 | 81 | 16.21 | 0 |
| 22/12/2012 11:00 | | | 2.7 | 100 | 16.21 | 0 |
| 22/12/2012 11:15 | | | 2.6 | 157 | 16.21 | 0 |
| 22/12/2012 11:30 | 76.8 | 25.5 | 4.5 | 75 | 16.21 | 0 |
| 22/12/2012 11:45 | | | 2.7 | 74 | 16.21 | 0 |
| 22/12/2012 12:00 | | | 2.2 | 49 | 16.21 | 0 |
| 22/12/2012 12:15 | | | 1.9 | 72 | 16.21 | 0 |
| 22/12/2012 12:30 | 73 | 25.8 | 3.5 | 97 | 16.21 | 0 |
| 22/12/2012 12:45 | | | 1.4 | 63 | 16.21 | 0 |
| 22/12/2012 13:00 | | | 1.3 | 118 | 16.21 | 0 |
| 22/12/2012 13:15 | | | 2.2 | 32 | 16.21 | 0 |
| 22/12/2012 13:30 | 73.6 | 25.9 | 4.6 | 115 | 16.21 | 0 |
| 22/12/2012 13:45 | | | 3 | 57 | 16.21 | 0 |
| 22/12/2012 14:00 | | | 3.7 | 68 | 16.21 | 0 |
| 22/12/2012 14:15 | | | 4.4 | 39 | 16.21 | 0 |
| 22/12/2012 14:30 | 63.2 | 27.1 | 4.3 | 37 | 16.21 | 0 |
| 22/12/2012 14:45 | | | 5.8 | 37 | 16.21 | 0 |
| 22/12/2012 15:00 | | | 5.3 | 41 | 16.21 | 0 |
| 22/12/2012 15:15 | | | 4.3 | 61 | 16.21 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 22/12/2012 15:30 | 63.3 | 26.9 | 3.7 | 23 | 16.21 | 0 |
| 22/12/2012 15:45 | | | 4.5 | 41 | 16.21 | 0 |
| 22/12/2012 16:00 | | | 1.9 | 38 | 16.21 | 0 |
| 22/12/2012 16:15 | | | 2.2 | 73 | 16.21 | 0 |
| 22/12/2012 16:30 | 68.1 | 25.9 | 3.4 | 56 | 16.21 | 0 |
| 22/12/2012 16:45 | | | 2.7 | 95 | 16.21 | 0 |
| 22/12/2012 17:00 | | | 3.2 | 63 | 14.95 | 0 |
| 22/12/2012 17:15 | | | 2.4 | 82 | 22.52 | 0 |
| 22/12/2012 17:30 | 68.7 | 25.6 | 1.4 | 127 | 20.94 | 0 |
| 22/12/2012 17:45 | | | 1.2 | 121 | 20.94 | 0 |
| 22/12/2012 18:00 | | | 1 | 130 | 19.28 | 0 |
| 22/12/2012 18:15 | | | 0.7 | 151 | 19.58 | 0 |
| 22/12/2012 18:30 | 70.8 | 25.2 | 0.5 | 74 | 20.26 | 0 |
| 22/12/2012 18:45 | | | 0.8 | 66 | 17.79 | 0 |
| 22/12/2012 19:00 | | | 1.8 | 48 | 20.05 | 0 |
| 22/12/2012 19:15 | | | 1.4 | 85 | 18.25 | 0 |
| 22/12/2012 19:30 | 75.3 | 24.7 | 1 | 79 | 13.54 | 0 |
| 22/12/2012 19:45 | | | 1.6 | 42 | 18.43 | 0 |
| 22/12/2012 20:00 | | | 0.9 | 17 | 13.21 | 0 |
| 22/12/2012 20:15 | | | 1 | 97 | 18.3 | 0 |
| 22/12/2012 20:30 | 79.1 | 24.2 | 1.3 | 36 | 42.25 | 0 |
| 22/12/2012 20:45 | | | 3 | 173 | 37.76 | 0 |
| 22/12/2012 21:00 | | | 0.5 | 242 | 24.54 | 0 |
| 22/12/2012 21:15 | | | 0.5 | 245 | 16.84 | 0 |
| 22/12/2012 21:30 | 85.8 | 23.2 | 0.4 | 260 | 86.4 | 0 |
| 22/12/2012 21:45 | | | 0.8 | 218 | 13.37 | 0 |
| 22/12/2012 22:00 | | | 0.4 | 235 | 28.76 | 0 |
| 22/12/2012 22:15 | | | 0.8 | 174 | 41.77 | 0 |
| 22/12/2012 22:30 | 91.4 | 22.5 | 0.9 | 222 | 20.08 | 0 |
| 22/12/2012 22:45 | | | 3 | 159 | 29.63 | 0 |
| 22/12/2012 23:00 | | | 0.6 | 142 | 47.18 | 0 |
| 22/12/2012 23:15 | | | 0.4 | 161 | 29.16 | 0 |
| 22/12/2012 23:30 | 92.6 | 22.4 | 0.6 | 176 | 34.11 | 0 |
| 22/12/2012 23:45 | | | 0.4 | 165 | 39.71 | 0 |
| 23/12/2012 0:00 | | | 0.5 | 213 | 21.54 | 0 |
| 23/12/2012 0:15 | | | 0.6 | 213 | 34.17 | 0 |
| 23/12/2012 0:30 | 94.2 | 22 | 3 | 159 | 38.24 | 0 |
| 23/12/2012 0:45 | | | 0.6 | 212 | 21.2 | 0 |
| 23/12/2012 1:00 | | | 0.8 | 174 | 23.51 | 0 |
| 23/12/2012 1:15 | | | 2 | 297 | 51.33 | 0 |
| 23/12/2012 1:30 | 95.8 | 21.7 | 0.4 | 222 | 88.24 | 0 |
| 23/12/2012 1:45 | | | 0.5 | 179 | 25.91 | 0 |
| 23/12/2012 2:00 | | | 0.4 | 271 | 18.38 | 0 |
| 23/12/2012 2:15 | | | 0.4 | 260 | 25.09 | 0 |
| 23/12/2012 2:30 | 96.4 | 21.3 | 0.9 | 252 | 18.78 | 0 |
| 23/12/2012 2:45 | | | 0.7 | 237 | 88.7 | 0 |
| 23/12/2012 3:00 | | | 2 | 170 | 15.39 | 0 |
| 23/12/2012 3:15 | | | 0.5 | 245 | 19.64 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 23/12/2012 3:30 | 97.1 | 20.7 | 0.8 | 154 | 51.3 | 0 |
| 23/12/2012 3:45 | | | 0.6 | 247 | 39.32 | 0 |
| 23/12/2012 4:00 | | | 0.5 | 97 | 41.94 | 0 |
| 23/12/2012 4:15 | | | 0.4 | 248 | 38.44 | 0 |
| 23/12/2012 4:30 | 97.3 | 20.5 | 0.4 | 148 | 27.6 | 0 |
| 23/12/2012 4:45 | | | 0.9 | 233 | 32.76 | 0 |
| 23/12/2012 5:00 | | | 0.7 | 235 | 14.15 | 0 |
| 23/12/2012 5:15 | | | 0.7 | 211 | 10.18 | 0 |
| 23/12/2012 5:30 | 97.4 | 20.5 | 2 | 257 | 39.1 | 0 |
| 23/12/2012 5:45 | | | 0.8 | 227 | 18.57 | 0 |
| 23/12/2012 6:00 | | | 0.6 | 183 | 24.23 | 0 |
| 23/12/2012 6:15 | | | 1.2 | 171 | 52.2 | 0 |
| 23/12/2012 6:30 | 97.3 | 20.5 | 0.5 | 152 | 21.2 | 0 |
| 23/12/2012 6:45 | | | 0.9 | 215 | 45.08 | 0 |
| 23/12/2012 7:00 | | | 0.9 | 213 | 14.03 | 0 |
| 23/12/2012 7:15 | | | 1.5 | 180 | 36.48 | 0 |
| 23/12/2012 7:30 | 94.8 | 21.4 | 1.8 | 220 | 21.59 | 0 |
| 23/12/2012 7:45 | | | 1.4 | 204 | 25.7 | 0 |
| 23/12/2012 8:00 | | | 1.2 | 166 | 32.58 | 0 |
| 23/12/2012 8:15 | | | 1.2 | 220 | 24.14 | 0 |
| 23/12/2012 8:30 | 84.1 | 23.8 | 0.8 | 239 | 57.11 | 0 |
| 23/12/2012 8:45 | | | 2.2 | 217 | 25.4 | 0 |
| 23/12/2012 9:00 | | | 2.6 | 227 | 20.07 | 0 |
| 23/12/2012 9:15 | | | 0.7 | 257 | 40.28 | 0 |
| 23/12/2012 9:30 | 79 | 24.5 | 2.2 | 239 | 24.71 | 0 |
| 23/12/2012 9:45 | | | 1.5 | 223 | 31.17 | 0 |
| 23/12/2012 10:00 | | | 2.1 | 221 | 29.91 | 0 |
| 23/12/2012 10:15 | | | 0.6 | 273 | 84.35 | 0 |
| 23/12/2012 10:30 | 68.9 | 25.9 | 1.6 | 304 | 56.32 | 0 |
| 23/12/2012 10:45 | | | 1 | 161 | 43.19 | 0 |
| 23/12/2012 11:00 | | | 2.1 | 308 | 79.35 | 0 |
| 23/12/2012 11:15 | | | 6.8 | 37 | 34.48 | 0 |
| 23/12/2012 11:30 | 61.1 | 27.2 | 3.4 | 33 | 18.3 | 0 |
| 23/12/2012 11:45 | | | 5.5 | 44 | 22.06 | 0 |
| 23/12/2012 12:00 | | | 5.4 | 48 | 18.63 | 0 |
| 23/12/2012 12:15 | | | 0.6 | 90 | 19.25 | 0 |
| 23/12/2012 12:30 | 63.5 | 27.4 | 5.2 | 74 | 25.22 | 0 |
| 23/12/2012 12:45 | | | 1.6 | 5 | 24.16 | 0 |
| 23/12/2012 13:00 | | | 4.6 | 22 | 27.35 | 0 |
| 23/12/2012 13:15 | | | 4.5 | 70 | 27.01 | 0 |
| 23/12/2012 13:30 | 59.1 | 27.9 | 3.9 | 25 | 19.01 | 0 |
| 23/12/2012 13:45 | | | 3.9 | 57 | 25.2 | 0 |
| 23/12/2012 14:00 | | | 4.7 | 72 | 23.14 | 0 |
| 23/12/2012 14:15 | | | 3.5 | 52 | 22.18 | 0 |
| 23/12/2012 14:30 | 61 | 27.6 | 6.5 | 57 | 18.65 | 0 |
| 23/12/2012 14:45 | | | 3.2 | 48 | 19.18 | 0 |
| 23/12/2012 15:00 | | | 2.2 | 161 | 59.92 | 11.6 |
| 23/12/2012 15:15 | | | 2.8 | 95 | 50.35 | 18.2 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 23/12/2012 15:30 | 85.7 | 26.8 | 1.1 | 63 | 20.68 | 8.4 |
| 23/12/2012 15:45 | | | 1 | 295 | 93.21 | 0.5 |
| 23/12/2012 16:00 | | | 1 | 80 | 36.83 | 0 |
| 23/12/2012 16:15 | | | 1.7 | 85 | 15.35 | 0 |
| 23/12/2012 16:30 | 100 | 53.9 | 1.2 | 119 | 42.99 | 0.4 |
| 23/12/2012 16:45 | | | 1 | 75 | 23.82 | 0 |
| 23/12/2012 17:00 | | | 1.7 | 86 | 17.58 | 0 |
| 23/12/2012 17:15 | | | 3.1 | 92 | 17.88 | 0 |
| 23/12/2012 17:30 | 100 | 55.7 | 1.8 | 76 | 13.3 | 0 |
| 23/12/2012 17:45 | | | 3.1 | 79 | 14.64 | 0 |
| 23/12/2012 18:00 | | | 3.2 | 72 | 11.94 | 0 |
| 23/12/2012 18:15 | | | 3 | 63 | 13.23 | 0 |
| 23/12/2012 18:30 | 100 | 56.2 | 3.7 | 36 | 18.27 | 0 |
| 23/12/2012 18:45 | | | 2.7 | 32 | 14.12 | 0 |
| 23/12/2012 19:00 | | | 3.7 | 30 | 15.43 | 0 |
| 23/12/2012 19:15 | | | 1.9 | 55 | 13.11 | 0 |
| 23/12/2012 19:30 | 100 | 55.9 | 1.5 | 51 | 14.59 | 0 |
| 23/12/2012 19:45 | | | 1.9 | 71 | 13.82 | 0 |
| 23/12/2012 20:00 | | | 2.1 | 51 | 11.15 | 0 |
| 23/12/2012 20:15 | | | 1.3 | 76 | 12.48 | 0 |
| 23/12/2012 20:30 | 100 | 55 | 1.6 | 63 | 99.1 | 0 |
| 23/12/2012 20:45 | | | 1.9 | 74 | 13.47 | 0 |
| 23/12/2012 21:00 | | | 1.3 | 74 | 12.01 | 0 |
| 23/12/2012 21:15 | | | 0.8 | 110 | 14.51 | 0 |
| 23/12/2012 21:30 | 100 | 54.2 | 0.9 | 84 | 14.31 | 0 |
| 23/12/2012 21:45 | | | 0.8 | 74 | 17.48 | 0 |
| 23/12/2012 22:00 | | | 0.8 | 85 | 10.57 | 0 |
| 23/12/2012 22:15 | | | 1.2 | 85 | 16.44 | 0 |
| 23/12/2012 22:30 | 100 | 53.9 | 1 | 54 | 13.15 | 0 |
| 23/12/2012 22:45 | | | 0.7 | 51 | 18.15 | 0 |
| 23/12/2012 23:00 | | | 1.2 | 57 | 11.26 | 0 |
| 23/12/2012 23:15 | | | 1 | 273 | 18.69 | 0 |
| 23/12/2012 23:30 | 100 | 53.4 | 0.4 | 188 | 48.25 | 0 |
| 23/12/2012 23:45 | | | 0 | 281 | 30.05 | 0 |
| 24/12/2012 0:00 | | | 0.6 | 224 | 32.35 | 0 |
| 24/12/2012 0:15 | | | 1 | 7 | 77.61 | 0 |
| 24/12/2012 0:30 | 86.2 | 21.8 | 0.7 | 151 | 94.29 | 0 |
| 24/12/2012 0:45 | | | 0.4 | 125 | 18.26 | 0 |
| 24/12/2012 1:00 | | | 2 | 107 | 46.28 | 0 |
| 24/12/2012 1:15 | | | 0.6 | 114 | 23.93 | 0 |
| 24/12/2012 1:30 | 87.7 | 21.5 | 1 | 138 | 29.43 | 0 |
| 24/12/2012 1:45 | | | 0.5 | 200 | 58.2 | 0 |
| 24/12/2012 2:00 | | | 0 | 267 | 69.6 | 0 |
| 24/12/2012 2:15 | | | 3 | 95 | 36.68 | 0 |
| 24/12/2012 2:30 | 87.2 | 21.7 | 3 | 92 | 18.87 | 0 |
| 24/12/2012 2:45 | | | 0.6 | 78 | 11.95 | 0 |
| 24/12/2012 3:00 | | | 0.6 | 100 | 15.4 | 0 |
| 24/12/2012 3:15 | | | 0.4 | 0 | 16.39 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 24/12/2012 3:30 | 87.8 | 21.5 | 0.6 | 27 | 15.28 | 0 |
| 24/12/2012 3:45 | | | 2 | 304 | 17.13 | 0 |
| 24/12/2012 4:00 | | | 0 | 269 | 103.66 | 0 |
| 24/12/2012 4:15 | | | 0 | 88 | 68.7 | 0 |
| 24/12/2012 4:30 | 87.9 | 21.2 | 0.5 | 137 | 56.17 | 0 |
| 24/12/2012 4:45 | | | 3 | 56 | 25.37 | 0 |
| 24/12/2012 5:00 | | | 0.4 | 92 | 13.6 | 0 |
| 24/12/2012 5:15 | | | 1 | 27 | 77.31 | 0 |
| 24/12/2012 5:30 | 89.7 | 20.9 | 0.4 | 70 | 37.56 | 0 |
| 24/12/2012 5:45 | | | 3 | 108 | 19.02 | 0 |
| 24/12/2012 6:00 | | | 3 | 82 | 25.19 | 0 |
| 24/12/2012 6:15 | | | 0.5 | 45 | 22.22 | 0 |
| 24/12/2012 6:30 | 90.5 | 20.6 | 1.5 | 71 | 14.17 | 0 |
| 24/12/2012 6:45 | | | 1.4 | 241 | 57.62 | 0 |
| 24/12/2012 7:00 | | | 0.7 | 263 | 20.7 | 0 |
| 24/12/2012 7:15 | | | 1.1 | 237 | 24.94 | 0 |
| 24/12/2012 7:30 | 87.1 | 21.4 | 0.7 | 214 | 33.23 | 0 |
| 24/12/2012 7:45 | | | 1.7 | 8 | 60.95 | 0 |
| 24/12/2012 8:00 | | | 1 | 8 | 27.52 | 0 |
| 24/12/2012 8:15 | | | 2.2 | 28 | 33.7 | 0 |
| 24/12/2012 8:30 | 75.2 | 23.4 | 0.4 | 332 | 31.25 | 0 |
| 24/12/2012 8:45 | | | 1.9 | 45 | 26.82 | 0 |
| 24/12/2012 9:00 | | | 2.2 | 6 | 20.22 | 0.2 |
| 24/12/2012 9:15 | | | 2 | 310 | 29.04 | 0 |
| 24/12/2012 9:30 | 69.3 | 24.3 | 3.4 | 337 | 30.03 | 0 |
| 24/12/2012 9:45 | | | 2.9 | 10 | 23.86 | 0 |
| 24/12/2012 10:00 | | | 1.8 | 316 | 27.31 | 0 |
| 24/12/2012 10:15 | | | 0.8 | 242 | 43.52 | 0 |
| 24/12/2012 10:30 | 63.4 | 25.2 | 2.6 | 50 | 49.42 | 0 |
| 24/12/2012 10:45 | | | 2.3 | 44 | 71.41 | 0 |
| 24/12/2012 11:00 | | | 3.1 | 56 | 48.54 | 0 |
| 24/12/2012 11:15 | | | 0.7 | 13 | 76.35 | 0 |
| 24/12/2012 11:30 | 55.7 | 26.6 | 2.7 | 27 | 74.5 | 0 |
| 24/12/2012 11:45 | | | 0.9 | 357 | 37.53 | 0 |
| 24/12/2012 12:00 | | | 1.5 | 223 | 82.47 | 0 |
| 24/12/2012 12:15 | | | 2 | 246 | 82.11 | 0 |
| 24/12/2012 12:30 | 49.7 | 27.9 | 3.1 | 33 | 70.87 | 0 |
| 24/12/2012 12:45 | | | 2.9 | 9 | 60.36 | 0 |
| 24/12/2012 13:00 | | | 1.2 | 237 | 86.96 | 0 |
| 24/12/2012 13:15 | | | 1.7 | 272 | 52.25 | 0 |
| 24/12/2012 13:30 | 47.8 | 28.6 | 3.5 | 329 | 58.37 | 0 |
| 24/12/2012 13:45 | | | 0.4 | 29 | 40.8 | 0 |
| 24/12/2012 14:00 | | | 2 | 352 | 18.9 | 0 |
| 24/12/2012 14:15 | | | 4.4 | 314 | 47.21 | 0 |
| 24/12/2012 14:30 | 46.2 | 29.5 | 3.4 | 29 | 48.27 | 0 |
| 24/12/2012 14:45 | | | 1.7 | 91 | 52.42 | 0 |
| 24/12/2012 15:00 | | | 2.9 | 39 | 45.06 | 0 |
| 24/12/2012 15:15 | | | 3 | 10 | 26.06 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 24/12/2012 15:30 | 47 | 29.8 | 4.5 | 54 | 28.86 | 0 |
| 24/12/2012 15:45 | | | 4.2 | 12 | 29.19 | 0 |
| 24/12/2012 16:00 | | | 5.3 | 26 | 23.23 | 0 |
| 24/12/2012 16:15 | | | 4.4 | 46 | 20.76 | 0 |
| 24/12/2012 16:30 | 49.9 | 29.6 | 5.7 | 33 | 20.44 | 0 |
| 24/12/2012 16:45 | | | 5.2 | 9 | 18.18 | 0 |
| 24/12/2012 17:00 | | | 5.2 | 17 | 19.03 | 0 |
| 24/12/2012 17:15 | | | 4.7 | 53 | 15.51 | 0 |
| 24/12/2012 17:30 | 53.5 | 28.5 | 5.9 | 31 | 17.51 | 0 |
| 24/12/2012 17:45 | | | 5.4 | 58 | 16.96 | 0 |
| 24/12/2012 18:00 | | | 0.5 | 55 | 15.2 | 0 |
| 24/12/2012 18:15 | | | 0.5 | 53 | 15.85 | 0 |
| 24/12/2012 18:30 | 57.2 | 27.4 | 3.9 | 31 | 16.76 | 0 |
| 24/12/2012 18:45 | | | 0.5 | 59 | 13.52 | 0 |
| 24/12/2012 19:00 | | | 0.4 | 45 | 14.77 | 0 |
| 24/12/2012 19:15 | | | 4.1 | 39 | 12.89 | 0 |
| 24/12/2012 19:30 | 62.5 | 25.6 | 3 | 23 | 15.53 | 0 |
| 24/12/2012 19:45 | | | 4.1 | 44 | 17.65 | 0 |
| 24/12/2012 20:00 | | | 3.5 | 40 | 16.6 | 0 |
| 24/12/2012 20:15 | | | 2.1 | 63 | 16.15 | 0 |
| 24/12/2012 20:30 | 67.9 | 23.9 | 2.8 | 65 | 16.49 | 0 |
| 24/12/2012 20:45 | | | 2 | 67 | 16.18 | 0 |
| 24/12/2012 21:00 | | | 1.8 | 76 | 14.96 | 0 |
| 24/12/2012 21:15 | | | 2.9 | 44 | 15.64 | 0 |
| 24/12/2012 21:30 | 69.9 | 23 | 1.7 | 68 | 15.23 | 0 |
| 24/12/2012 21:45 | | | 1.4 | 60 | 15.91 | 0 |
| 24/12/2012 22:00 | | | 1.2 | 34 | 15.27 | 0 |
| 24/12/2012 22:15 | | | 1.7 | 47 | 16.18 | 0 |
| 24/12/2012 22:30 | 70.9 | 22.4 | 0.8 | 41 | 15.37 | 0 |
| 24/12/2012 22:45 | | | 1.2 | 54 | 17.81 | 0 |
| 24/12/2012 23:00 | | | 0.7 | 75 | 14.99 | 0 |
| 24/12/2012 23:15 | | | 0.4 | 205 | 74.62 | 0 |
| 24/12/2012 23:30 | 73.9 | 21.6 | 3 | 66 | 64.46 | 0 |
| 24/12/2012 23:45 | | | 0.4 | 200 | 44.42 | 0 |
| 25/12/2012 0:00 | | | 0.5 | 72 | 50.82 | 0 |
| 25/12/2012 0:15 | | | 0.4 | 142 | 27.32 | 0 |
| 25/12/2012 0:30 | 79.6 | 20.5 | 0.4 | 337 | 67.05 | 0 |
| 25/12/2012 0:45 | | | 0.5 | 185 | 58.05 | 0 |
| 25/12/2012 1:00 | | | 3 | 61 | 71.94 | 0 |
| 25/12/2012 1:15 | | | 0.7 | 62 | 49.72 | 0 |
| 25/12/2012 1:30 | 80.7 | 20.2 | 3 | 151 | 68.02 | 0 |
| 25/12/2012 1:45 | | | 2 | 194 | 52.48 | 0 |
| 25/12/2012 2:00 | | | 0.6 | 269 | 47.99 | 0 |
| 25/12/2012 2:15 | | | 2 | 256 | 31.52 | 0 |
| 25/12/2012 2:30 | 86.1 | 19.5 | 1 | 1 | 68.57 | 0 |
| 25/12/2012 2:45 | | | 0.4 | 57 | 68.35 | 0 |
| 25/12/2012 3:00 | | | 2 | 142 | 28.75 | 0 |
| 25/12/2012 3:15 | | | 3 | 89 | 98.59 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 25/12/2012 3:30 | 86.5 | 19.4 | 3 | 211 | 43.9 | 0 |
| 25/12/2012 3:45 | | | 0.6 | 51 | 74.33 | 0 |
| 25/12/2012 4:00 | | | 0.5 | 9 | 66.05 | 0 |
| 25/12/2012 4:15 | | | 0.6 | 18 | 37.56 | 0 |
| 25/12/2012 4:30 | 84.2 | 19.3 | 0.6 | 321 | 18.44 | 0 |
| 25/12/2012 4:45 | | | 2 | 10 | 63.97 | 0 |
| 25/12/2012 5:00 | | | 0.9 | 224 | 63.7 | 0 |
| 25/12/2012 5:15 | | | 1.6 | 201 | 15.04 | 0 |
| 25/12/2012 5:30 | 87.2 | 19 | 1.1 | 337 | 62.11 | 0 |
| 25/12/2012 5:45 | | | 1.2 | 144 | 60.12 | 0 |
| 25/12/2012 6:00 | | | 1.2 | 143 | 17.91 | 0 |
| 25/12/2012 6:15 | | | 1.5 | 146 | 17.3 | 0 |
| 25/12/2012 6:30 | 91.2 | 18.7 | 0.7 | 142 | 25.15 | 0 |
| 25/12/2012 6:45 | | | 0.4 | 307 | 80.77 | 0 |
| 25/12/2012 7:00 | | | 1 | 295 | 22.77 | 0 |
| 25/12/2012 7:15 | | | 1.2 | 262 | 41.32 | 0 |
| 25/12/2012 7:30 | 85.6 | 20.1 | 0.8 | 255 | 23.96 | 0 |
| 25/12/2012 7:45 | | | 0.9 | 318 | 26.61 | 0 |
| 25/12/2012 8:00 | | | 1.2 | 308 | 24.42 | 0 |
| 25/12/2012 8:15 | | | 0.5 | 319 | 42.22 | 0 |
| 25/12/2012 8:30 | 81.1 | 21.5 | 0.9 | 3 | 34.44 | 0 |
| 25/12/2012 8:45 | | | 1.5 | 26 | 21.38 | 0 |
| 25/12/2012 9:00 | | | 0.5 | 277 | 26.41 | 0 |
| 25/12/2012 9:15 | | | 1 | 43 | 40.95 | 0 |
| 25/12/2012 9:30 | 74.9 | 23.2 | 1.7 | 283 | 45.13 | 0 |
| 25/12/2012 9:45 | | | 1.8 | 290 | 22.96 | 0 |
| 25/12/2012 10:00 | | | 1.6 | 344 | 58.57 | 0 |
| 25/12/2012 10:15 | | | 2.2 | 34 | 27.8 | 0 |
| 25/12/2012 10:30 | 66 | 25.4 | 1.2 | 330 | 69.82 | 0 |
| 25/12/2012 10:45 | | | 2.1 | 303 | 77.72 | 0 |
| 25/12/2012 11:00 | | | 2.8 | 315 | 44.89 | 0 |
| 25/12/2012 11:15 | | | 1.8 | 345 | 51.12 | 0 |
| 25/12/2012 11:30 | 57.7 | 28.1 | 2 | 6 | 43.86 | 0 |
| 25/12/2012 11:45 | | | 2.9 | 309 | 76.55 | 0 |
| 25/12/2012 12:00 | | | 2 | 6 | 79.84 | 0 |
| 25/12/2012 12:15 | | | 2 | 83 | 65.45 | 0 |
| 25/12/2012 12:30 | 53.9 | 29.4 | 2.7 | 90 | 37.35 | 0 |
| 25/12/2012 12:45 | | | 1.2 | 268 | 50.42 | 0 |
| 25/12/2012 13:00 | | | 0.7 | 239 | 76.7 | 0 |
| 25/12/2012 13:15 | | | 3.9 | 344 | 60.15 | 0 |
| 25/12/2012 13:30 | 48.6 | 30.8 | 1.2 | 124 | 62.05 | 0 |
| 25/12/2012 13:45 | | | 0.9 | 300 | 50.27 | 0 |
| 25/12/2012 14:00 | | | 2 | 89 | 41.7 | 0 |
| 25/12/2012 14:15 | | | 2.2 | 44 | 30.3 | 0 |
| 25/12/2012 14:30 | 45.1 | 31.5 | 3.1 | 86 | 31.14 | 0 |
| 25/12/2012 14:45 | | | 0.8 | 178 | 29.92 | 0 |
| 25/12/2012 15:00 | | | 0.5 | 161 | 24.44 | 0 |
| 25/12/2012 15:15 | | | 1.6 | 241 | 31.78 | 3.8 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 25/12/2012 15:30 | 70.5 | 26.3 | 1.4 | 305 | 61.8 | 1.6 |
| 25/12/2012 15:45 | | | 1.1 | 41 | 20.31 | 0.6 |
| 25/12/2012 16:00 | | | 1.3 | 271 | 61.14 | 0.2 |
| 25/12/2012 16:15 | | | 1.3 | 106 | 80.23 | 0.2 |
| 25/12/2012 16:30 | 94 | 22.7 | 2.7 | 214 | 41.04 | 0.2 |
| 25/12/2012 16:45 | | | 1.9 | 224 | 17.7 | 0.6 |
| 25/12/2012 17:00 | | | 1.4 | 175 | 43.67 | 0.2 |
| 25/12/2012 17:15 | | | 1.9 | 222 | 23.27 | 0 |
| 25/12/2012 17:30 | 92 | 21.9 | 1.7 | 251 | 13.36 | 0 |
| 25/12/2012 17:45 | | | 1.7 | 161 | 22.25 | 0 |
| 25/12/2012 18:00 | | | 0.9 | 197 | 28.79 | 0 |
| 25/12/2012 18:15 | | | 1.3 | 126 | 38.65 | 0 |
| 25/12/2012 18:30 | 91.8 | 23 | 1.1 | 173 | 25.95 | 0 |
| 25/12/2012 18:45 | | | 1 | 127 | 23.63 | 0 |
| 25/12/2012 19:00 | | | 1.3 | 170 | 44.18 | 0 |
| 25/12/2012 19:15 | | | 1.4 | 96 | 27.1 | 0 |
| 25/12/2012 19:30 | 87.1 | 23.2 | 1.2 | 79 | 21.43 | 0 |
| 25/12/2012 19:45 | | | 0.6 | 165 | 31.22 | 0 |
| 25/12/2012 20:00 | | | 2 | 13 | 93.57 | 0 |
| 25/12/2012 20:15 | | | 1 | 267 | 88.21 | 0 |
| 25/12/2012 20:30 | 84.8 | 23.1 | 3 | 102 | 20.86 | 0 |
| 25/12/2012 20:45 | | | 0.6 | 161 | 26.5 | 0 |
| 25/12/2012 21:00 | | | 0.8 | 163 | 22.84 | 0 |
| 25/12/2012 21:15 | | | 0.6 | 156 | 17.17 | 0 |
| 25/12/2012 21:30 | 88.9 | 22.6 | 0.6 | 214 | 26.63 | 0 |
| 25/12/2012 21:45 | | | 0.5 | 81 | 26.68 | 0 |
| 25/12/2012 22:00 | | | 0.7 | 85 | 50.01 | 0 |
| 25/12/2012 22:15 | | | 1.2 | 71 | 25.1 | 0 |
| 25/12/2012 22:30 | 89.2 | 22.6 | 2.1 | 97 | 18.32 | 0 |
| 25/12/2012 22:45 | | | 1.9 | 79 | 15.77 | 0 |
| 25/12/2012 23:00 | | | 0.5 | 137 | 28.33 | 0 |
| 25/12/2012 23:15 | | | 1.3 | 156 | 32.77 | 0 |
| 25/12/2012 23:30 | 87.4 | 22.7 | 0.6 | 189 | 36.72 | 0.1 |
| 25/12/2012 23:45 | | | 0.7 | 88 | 31.02 | 0.4 |
| 26/12/2012 0:00 | | | 1.8 | 158 | 43.63 | 1.2 |
| 26/12/2012 0:15 | | | 1.3 | 145 | 20.29 | 2.4 |
| 26/12/2012 0:30 | 92.5 | 22 | 3.8 | 133 | 23.64 | 0.4 |
| 26/12/2012 0:45 | | | 0.5 | 93 | 20.34 | 0.2 |
| 26/12/2012 1:00 | | | 3.1 | 114 | 17.76 | 0.4 |
| 26/12/2012 1:15 | | | 2.4 | 133 | 20.99 | 0.6 |
| 26/12/2012 1:30 | 92.3 | 20.9 | 1.2 | 115 | 2.3 | 0.4 |
| 26/12/2012 1:45 | | | 1.7 | 128 | 2.2 | 1.2 |
| 26/12/2012 2:00 | | | 2.8 | 83 | 34.49 | 1.2 |
| 26/12/2012 2:15 | | | 1.2 | 124 | 25.71 | 0.8 |
| 26/12/2012 2:30 | 92.9 | 19.9 | 0.4 | 221 | 38.07 | 0.6 |
| 26/12/2012 2:45 | | | 1 | 207 | 27.12 | 0.6 |
| 26/12/2012 3:00 | | | 1.2 | 167 | 18.44 | 0.4 |
| 26/12/2012 3:15 | | | 0.8 | 163 | 29.61 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 26/12/2012 3:30 | 94 | 18.9 | 1 | 73 | 55.78 | 0 |
| 26/12/2012 3:45 | | | 0.8 | 72 | 12.17 | 0 |
| 26/12/2012 4:00 | | | 0.4 | 251 | 96.22 | 0 |
| 26/12/2012 4:15 | | | 0.6 | 185 | 70.22 | 0 |
| 26/12/2012 4:30 | 94.6 | 18.9 | 1.8 | 239 | 35.92 | 0.2 |
| 26/12/2012 4:45 | | | 1.3 | 215 | 12.9 | 0.4 |
| 26/12/2012 5:00 | | | 3 | 359 | 26.92 | 0.4 |
| 26/12/2012 5:15 | | | 1.4 | 66 | 90.66 | 0 |
| 26/12/2012 5:30 | 94.8 | 19 | 0.7 | 32 | 21.34 | 0.2 |
| 26/12/2012 5:45 | | | 0.9 | 90 | 66.75 | 0.2 |
| 26/12/2012 6:00 | | | 0.5 | 234 | 66.31 | 0 |
| 26/12/2012 6:15 | | | 2.3 | 239 | 66.34 | 0 |
| 26/12/2012 6:30 | 94.4 | 19 | 1.6 | 210 | 34.04 | 0 |
| 26/12/2012 6:45 | | | 1.6 | 209 | 23.3 | 0 |
| 26/12/2012 7:00 | | | 1.4 | 220 | 12.76 | 0 |
| 26/12/2012 7:15 | | | 1.7 | 227 | 10.85 | 0 |
| 26/12/2012 7:30 | 94.9 | 19.2 | 1.3 | 255 | 14.16 | 0 |
| 26/12/2012 7:45 | | | 2 | 237 | 31.03 | 0 |
| 26/12/2012 8:00 | | | 1.8 | 169 | 38.37 | 0 |
| 26/12/2012 8:15 | | | 1.5 | 167 | 20.63 | 0 |
| 26/12/2012 8:30 | 92.3 | 19.7 | 1.7 | 114 | 16.59 | 0 |
| 26/12/2012 8:45 | | | 1.8 | 158 | 20.82 | 0 |
| 26/12/2012 9:00 | | | 2 | 167 | 16.27 | 0 |
| 26/12/2012 9:15 | | | 1.7 | 187 | 18.24 | 0 |
| 26/12/2012 9:30 | 90.1 | 20.1 | 2.3 | 119 | 27.75 | 0 |
| 26/12/2012 9:45 | | | 3 | 128 | 24.9 | 0 |
| 26/12/2012 10:00 | | | 3.4 | 164 | 21.23 | 0 |
| 26/12/2012 10:15 | | | 3.4 | 147 | 17.04 | 0 |
| 26/12/2012 10:30 | 82.1 | 21.5 | 1.8 | 135 | 24.04 | 0 |
| 26/12/2012 10:45 | | | 2 | 155 | 27.71 | 0 |
| 26/12/2012 11:00 | | | 3.3 | 164 | 33.09 | 0 |
| 26/12/2012 11:15 | | | 2.2 | 120 | 24.96 | 0 |
| 26/12/2012 11:30 | 78.3 | 22.2 | 1.4 | 122 | 24.2 | 0 |
| 26/12/2012 11:45 | | | 3.4 | 171 | 33.13 | 0 |
| 26/12/2012 12:00 | | | 4.9 | 170 | 28.77 | 0 |
| 26/12/2012 12:15 | | | 3.6 | 141 | 16.97 | 0 |
| 26/12/2012 12:30 | 74.8 | 22.7 | 4.2 | 158 | 21.49 | 0 |
| 26/12/2012 12:45 | | | 3.1 | 119 | 20.22 | 0 |
| 26/12/2012 13:00 | | | 2.7 | 136 | 39.97 | 0 |
| 26/12/2012 13:15 | | | 4.3 | 177 | 27.69 | 0 |
| 26/12/2012 13:30 | 67.8 | 24.4 | 3.3 | 141 | 31.07 | 0.2 |
| 26/12/2012 13:45 | | | 2.1 | 132 | 28.99 | 0 |
| 26/12/2012 14:00 | | | 3.3 | 128 | 28.59 | 0 |
| 26/12/2012 14:15 | | | 2.1 | 166 | 29.81 | 0 |
| 26/12/2012 14:30 | 61.4 | 25.8 | 3 | 108 | 29.88 | 0 |
| 26/12/2012 14:45 | | | 1.6 | 178 | 30.26 | 0 |
| 26/12/2012 15:00 | | | 3 | 127 | 2.4 | 0 |
| 26/12/2012 15:15 | | | 3.1 | 195 | 19.05 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 26/12/2012 15:30 | 64.6 | 24.7 | 2 | 128 | 20.03 | 0 |
| 26/12/2012 15:45 | | | 3.8 | 153 | 26.59 | 0 |
| 26/12/2012 16:00 | | | 3.4 | 194 | 24.67 | 0 |
| 26/12/2012 16:15 | | | 4.5 | 146 | 21.7 | 0 |
| 26/12/2012 16:30 | 65.6 | 24.2 | 3.9 | 126 | 26.07 | 0 |
| 26/12/2012 16:45 | | | 1.5 | 134 | 28.56 | 0 |
| 26/12/2012 17:00 | | | 5.4 | 145 | 21.25 | 0 |
| 26/12/2012 17:15 | | | 3.1 | 127 | 24.83 | 0 |
| 26/12/2012 17:30 | 62.3 | 24.1 | 2.4 | 125 | 23.15 | 0 |
| 26/12/2012 17:45 | | | 3.4 | 132 | 25.22 | 0 |
| 26/12/2012 18:00 | | | 1.3 | 139 | 19.86 | 0 |
| 26/12/2012 18:15 | | | 1.4 | 174 | 22.98 | 0 |
| 26/12/2012 18:30 | 66.1 | 23.1 | 2.5 | 158 | 19.01 | 0 |
| 26/12/2012 18:45 | | | 6.9 | 154 | 24.1 | 0 |
| 26/12/2012 19:00 | | | 4.2 | 149 | 16.75 | 0 |
| 26/12/2012 19:15 | | | 2.2 | 156 | 22.22 | 0 |
| 26/12/2012 19:30 | 68.3 | 22.3 | 2.1 | 122 | 17.55 | 0 |
| 26/12/2012 19:45 | | | 2.5 | 144 | 17.82 | 0 |
| 26/12/2012 20:00 | | | 4.3 | 129 | 19.39 | 0 |
| 26/12/2012 20:15 | | | 2.7 | 181 | 17.04 | 0 |
| 26/12/2012 20:30 | 71.4 | 21.7 | 3.1 | 154 | 17.7 | 0 |
| 26/12/2012 20:45 | | | 1.6 | 136 | 1.5 | 0 |
| 26/12/2012 21:00 | | | 3.3 | 154 | 14.22 | 0 |
| 26/12/2012 21:15 | | | 2.8 | 165 | 19.19 | 0 |
| 26/12/2012 21:30 | 72.7 | 21.3 | 3.5 | 156 | 16.83 | 0 |
| 26/12/2012 21:45 | | | 2.6 | 172 | 14.4 | 0 |
| 26/12/2012 22:00 | | | 1.7 | 147 | 14.42 | 0 |
| 26/12/2012 22:15 | | | 1.6 | 186 | 16.96 | 0 |
| 26/12/2012 22:30 | 70 | 21.2 | 1.8 | 144 | 17.43 | 0 |
| 26/12/2012 22:45 | | | 2 | 169 | 18.58 | 0 |
| 26/12/2012 23:00 | | | 2.3 | 176 | 15.7 | 0 |
| 26/12/2012 23:15 | | | 1.6 | 181 | 18.46 | 0 |
| 26/12/2012 23:30 | 70.8 | 20.8 | 2 | 204 | 24.37 | 0 |
| 26/12/2012 23:45 | | | 0.8 | 126 | 19.43 | 0 |
| 27/12/2012 0:00 | | | 0.8 | 246 | 29.48 | 0 |
| 27/12/2012 0:15 | | | 0.9 | 158 | 25.28 | 0 |
| 27/12/2012 0:30 | 72.9 | 20.3 | 1 | 210 | 25.11 | 0 |
| 27/12/2012 0:45 | | | 1.2 | 216 | 21.26 | 0 |
| 27/12/2012 1:00 | | | 0.9 | 177 | 19.03 | 0 |
| 27/12/2012 1:15 | | | 1.8 | 189 | 15.54 | 0 |
| 27/12/2012 1:30 | 73.1 | 20 | 1.9 | 210 | 16.49 | 0 |
| 27/12/2012 1:45 | | | 2.5 | 202 | 20.22 | 0 |
| 27/12/2012 2:00 | | | 3.4 | 199 | 20.77 | 0 |
| 27/12/2012 2:15 | | | 1.7 | 224 | 20.27 | 0 |
| 27/12/2012 2:30 | 72.2 | 20 | 1.9 | 211 | 17.09 | 0 |
| 27/12/2012 2:45 | | | 1.5 | 219 | 13.07 | 0 |
| 27/12/2012 3:00 | | | 1.4 | 228 | 19.51 | 0 |
| 27/12/2012 3:15 | | | 2.3 | 221 | 10.89 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 27/12/2012 3:30 | 75.3 | 19.4 | 0.8 | 216 | 12.72 | 0 |
| 27/12/2012 3:45 | | | 1 | 229 | 99.7 | 0 |
| 27/12/2012 4:00 | | | 1.8 | 225 | 96.6 | 0 |
| 27/12/2012 4:15 | | | 1.3 | 221 | 12.54 | 0 |
| 27/12/2012 4:30 | 75.8 | 19.2 | 1 | 191 | 98.9 | 0 |
| 27/12/2012 4:45 | | | 1.9 | 225 | 13.49 | 0 |
| 27/12/2012 5:00 | | | 1 | 234 | 12.15 | 0 |
| 27/12/2012 5:15 | | | 1 | 233 | 15.21 | 0 |
| 27/12/2012 5:30 | 76.1 | 19 | 1.3 | 238 | 13.84 | 0 |
| 27/12/2012 5:45 | | | 1.5 | 231 | 15.25 | 0 |
| 27/12/2012 6:00 | | | 1.3 | 192 | 16.17 | 0 |
| 27/12/2012 6:15 | | | 1.4 | 228 | 19.77 | 0 |
| 27/12/2012 6:30 | 76.5 | 18.8 | 1 | 224 | 21.99 | 0 |
| 27/12/2012 6:45 | | | 2.4 | 211 | 14.29 | 0 |
| 27/12/2012 7:00 | | | 2 | 195 | 15.32 | 0 |
| 27/12/2012 7:15 | | | 1.5 | 240 | 17.25 | 0 |
| 27/12/2012 7:30 | 74.1 | 19.6 | 2 | 236 | 16.73 | 0 |
| 27/12/2012 7:45 | | | 2 | 250 | 17.85 | 0 |
| 27/12/2012 8:00 | | | 0.7 | 205 | 21.23 | 0 |
| 27/12/2012 8:15 | | | 3.4 | 178 | 23.92 | 0 |
| 27/12/2012 8:30 | 69.6 | 20.9 | 2.1 | 146 | 23.51 | 0 |
| 27/12/2012 8:45 | | | 2.3 | 157 | 26.02 | 0 |
| 27/12/2012 9:00 | | | 1.1 | 143 | 35.25 | 0 |
| 27/12/2012 9:15 | | | 3.3 | 163 | 32.29 | 0 |
| 27/12/2012 9:30 | 64.3 | 22.2 | 2.6 | 143 | 26.97 | 0 |
| 27/12/2012 9:45 | | | 2.5 | 111 | 22.93 | 0 |
| 27/12/2012 10:00 | | | 3.8 | 163 | 33.34 | 0 |
| 27/12/2012 10:15 | | | 2.1 | 156 | 26.38 | 0 |
| 27/12/2012 10:30 | 57.7 | 23.7 | 2 | 193 | 26.1 | 0 |
| 27/12/2012 10:45 | | | 3.7 | 84 | 40.14 | 0 |
| 27/12/2012 11:00 | | | 1.5 | 137 | 58.99 | 0 |
| 27/12/2012 11:15 | | | 0.7 | 238 | 60.06 | 0 |
| 27/12/2012 11:30 | 55 | 24.9 | 1.9 | 71 | 43.39 | 0 |
| 27/12/2012 11:45 | | | 1.1 | 53 | 48.5 | 0 |
| 27/12/2012 12:00 | | | 2.3 | 81 | 55.07 | 0 |
| 27/12/2012 12:15 | | | 0.7 | 35 | 75.61 | 0 |
| 27/12/2012 12:30 | 50.7 | 25.7 | 1.4 | 35 | 31.36 | 0 |
| 27/12/2012 12:45 | | | 0.6 | 41 | 37.91 | 0 |
| 27/12/2012 13:00 | | | 3.9 | 63 | 40.45 | 0 |
| 27/12/2012 13:15 | | | 3 | 98 | 21.98 | 0 |
| 27/12/2012 13:30 | 53 | 25.5 | 1 | 47 | 14.55 | 0 |
| 27/12/2012 13:45 | | | 2.3 | 80 | 16.05 | 0 |
| 27/12/2012 14:00 | | | 2.6 | 128 | 32.24 | 0 |
| 27/12/2012 14:15 | | | 3.5 | 137 | 2.7 | 0 |
| 27/12/2012 14:30 | 52.7 | 25.9 | 2.1 | 42 | 58.3 | 0 |
| 27/12/2012 14:45 | | | 1.1 | 148 | 29.34 | 0 |
| 27/12/2012 15:00 | | | 2.1 | 226 | 96.85 | 0 |
| 27/12/2012 15:15 | | | 2.8 | 106 | 47.59 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 27/12/2012 15:30 | 52 | 26.3 | 4.7 | 84 | 18.56 | 0 |
| 27/12/2012 15:45 | | | 3 | 71 | 23.28 | 0 |
| 27/12/2012 16:00 | | | 2.2 | 109 | 24.7 | 0 |
| 27/12/2012 16:15 | | | 1.8 | 66 | 20.42 | 0 |
| 27/12/2012 16:30 | 58.6 | 24.6 | 5.1 | 123 | 24.03 | 0 |
| 27/12/2012 16:45 | | | 3.5 | 120 | 21.63 | 0 |
| 27/12/2012 17:00 | | | 2.1 | 101 | 26.86 | 0 |
| 27/12/2012 17:15 | | | 0.8 | 108 | 18.93 | 0 |
| 27/12/2012 17:30 | 60.6 | 24.1 | 1.9 | 71 | 21.11 | 0 |
| 27/12/2012 17:45 | | | 5.1 | 112 | 23.29 | 0 |
| 27/12/2012 18:00 | | | 4.3 | 107 | 19.58 | 0 |
| 27/12/2012 18:15 | | | 1.7 | 80 | 21.71 | 0 |
| 27/12/2012 18:30 | 64.5 | 23.5 | 2.3 | 99 | 22.06 | 0 |
| 27/12/2012 18:45 | | | 2.6 | 74 | 19.81 | 0 |
| 27/12/2012 19:00 | | | 1.6 | 64 | 25.95 | 0 |
| 27/12/2012 19:15 | | | 1.6 | 81 | 25.52 | 0 |
| 27/12/2012 19:30 | 66.3 | 23.1 | 1.4 | 140 | 20.74 | 0 |
| 27/12/2012 19:45 | | | 1.1 | 157 | 22.11 | 0 |
| 27/12/2012 20:00 | | | 1.7 | 85 | 24.07 | 0 |
| 27/12/2012 20:15 | | | 0.9 | 99 | 19.2 | 0 |
| 27/12/2012 20:30 | 67.7 | 22.7 | 1.1 | 100 | 16.95 | 0 |
| 27/12/2012 20:45 | | | 0.9 | 99 | 16.99 | 0 |
| 27/12/2012 21:00 | | | 0.5 | 83 | 35.38 | 0 |
| 27/12/2012 21:15 | | | 3 | 86 | 20.28 | 0 |
| 27/12/2012 21:30 | 69.4 | 22.4 | 3 | 120 | 24.56 | 0 |
| 27/12/2012 21:45 | | | 2 | 133 | 23.05 | 0 |
| 27/12/2012 22:00 | | | 0 | 209 | 20.57 | 0 |
| 27/12/2012 22:15 | | | 2 | 285 | 79.37 | 0 |
| 27/12/2012 22:30 | 72.2 | 22.1 | 0.5 | 266 | 19.44 | 0 |
| 27/12/2012 22:45 | | | 3 | 261 | 11.92 | 0 |
| 27/12/2012 23:00 | | | 0 | 85 | 38.46 | 0 |
| 27/12/2012 23:15 | | | 3 | 235 | 76.77 | 0 |
| 27/12/2012 23:30 | 75.7 | 21.8 | 0.6 | 234 | 15.73 | 0 |
| 27/12/2012 23:45 | | | 3 | 312 | 22.04 | 0 |
| 28/12/2012 0:00 | | | 0.8 | 258 | 22.82 | 0 |
| 28/12/2012 0:15 | | | 0.8 | 234 | 12.27 | 0 |
| 28/12/2012 0:30 | 76.7 | 21.5 | 0.5 | 235 | 11.56 | 0 |
| 28/12/2012 0:45 | | | 0.8 | 230 | 12.77 | 0 |
| 28/12/2012 1:00 | | | 3 | 241 | 72.8 | 0 |
| 28/12/2012 1:15 | | | 0.5 | 177 | 30.87 | 0 |
| 28/12/2012 1:30 | 78.1 | 21.3 | 0.6 | 206 | 14.48 | 0 |
| 28/12/2012 1:45 | | | 0.6 | 236 | 76.97 | 0 |
| 28/12/2012 2:00 | | | 0.6 | 240 | 14.6 | 0 |
| 28/12/2012 2:15 | | | 0.9 | 208 | 12.65 | 0 |
| 28/12/2012 2:30 | 78.6 | 21.3 | 0.5 | 149 | 26.14 | 0 |
| 28/12/2012 2:45 | | | 0.4 | 162 | 14.22 | 0 |
| 28/12/2012 3:00 | | | 3 | 136 | 44.15 | 0 |
| 28/12/2012 3:15 | | | 0.5 | 238 | 71.17 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 28/12/2012 3:30 | 80.2 | 21.1 | 0.8 | 257 | 65.78 | 0 |
| 28/12/2012 3:45 | | | 0.8 | 274 | 16.15 | 0 |
| 28/12/2012 4:00 | | | 0.4 | 204 | 23.05 | 0 |
| 28/12/2012 4:15 | | | 3 | 321 | 36.71 | 0 |
| 28/12/2012 4:30 | 81.4 | 21 | 0.4 | 333 | 14.68 | 0 |
| 28/12/2012 4:45 | | | 0.7 | 328 | 13.19 | 0 |
| 28/12/2012 5:00 | | | 0.6 | 253 | 28.72 | 0 |
| 28/12/2012 5:15 | | | 0.5 | 272 | 19.32 | 0 |
| 28/12/2012 5:30 | 83.1 | 20.8 | 1.4 | 251 | 13.31 | 0 |
| 28/12/2012 5:45 | | | 1.2 | 284 | 16.23 | 0 |
| 28/12/2012 6:00 | | | 1.2 | 271 | 15.8 | 0 |
| 28/12/2012 6:15 | | | 3 | 123 | 81.78 | 0 |
| 28/12/2012 6:30 | 83.2 | 20.9 | 0.8 | 290 | 44.89 | 0 |
| 28/12/2012 6:45 | | | 1.6 | 289 | 19.08 | 0 |
| 28/12/2012 7:00 | | | 0.8 | 227 | 14.22 | 0 |
| 28/12/2012 7:15 | | | 1.2 | 251 | 16.12 | 0 |
| 28/12/2012 7:30 | 80.4 | 21.4 | 0.7 | 239 | 16.85 | 0 |
| 28/12/2012 7:45 | | | 1.2 | 237 | 22.54 | 0 |
| 28/12/2012 8:00 | | | 2 | 255 | 20.58 | 0 |
| 28/12/2012 8:15 | | | 1.4 | 305 | 26.13 | 0 |
| 28/12/2012 8:30 | 75.5 | 22.4 | 0.6 | 313 | 29.24 | 0 |
| 28/12/2012 8:45 | | | 2 | 1 | 21.34 | 0 |
| 28/12/2012 9:00 | | | 4.4 | 310 | 35.1 | 0 |
| 28/12/2012 9:15 | | | 2.7 | 318 | 18.48 | 0 |
| 28/12/2012 9:30 | 71.7 | 23.4 | 3.7 | 246 | 30.77 | 0 |
| 28/12/2012 9:45 | | | 2.6 | 229 | 19.41 | 0 |
| 28/12/2012 10:00 | | | 1.8 | 329 | 24.02 | 0 |
| 28/12/2012 10:15 | | | 2.6 | 268 | 21.94 | 0 |
| 28/12/2012 10:30 | 67.3 | 24.5 | 2.4 | 257 | 24.27 | 0 |
| 28/12/2012 10:45 | | | 3.9 | 320 | 22.43 | 0 |
| 28/12/2012 11:00 | | | 2.9 | 316 | 25.6 | 0 |
| 28/12/2012 11:15 | | | 5.4 | 314 | 17.47 | 0 |
| 28/12/2012 11:30 | 60.8 | 26 | 3.6 | 267 | 19.84 | 0 |
| 28/12/2012 11:45 | | | 7.1 | 260 | 20.79 | 0 |
| 28/12/2012 12:00 | | | 6.5 | 276 | 16.78 | 0 |
| 28/12/2012 12:15 | | | 5.3 | 258 | 15.6 | 0 |
| 28/12/2012 12:30 | 60.8 | 25.1 | 3.1 | 266 | 14.05 | 0 |
| 28/12/2012 12:45 | | | 4.5 | 282 | 15.57 | 0 |
| 28/12/2012 13:00 | | | 5.4 | 254 | 13.88 | 0 |
| 28/12/2012 13:15 | | | 3 | 239 | 15.34 | 0 |
| 28/12/2012 13:30 | 74.2 | 22.6 | 4.6 | 265 | 16.91 | 0 |
| 28/12/2012 13:45 | | | 2.1 | 272 | 14.64 | 0 |
| 28/12/2012 14:00 | | | 2.9 | 278 | 18.22 | 0 |
| 28/12/2012 14:15 | | | 3.7 | 326 | 29.73 | 0.2 |
| 28/12/2012 14:30 | 76.9 | 21.8 | 1.4 | 292 | 22.65 | 0 |
| 28/12/2012 14:45 | | | 2 | 277 | 21.53 | 0 |
| 28/12/2012 15:00 | | | 0.8 | 29 | 35.7 | 0 |
| 28/12/2012 15:15 | | | 2.6 | 346 | 20.17 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 28/12/2012 15:30 | 77.6 | 22.5 | 3.2 | 353 | 17.85 | 0 |
| 28/12/2012 15:45 | | | 1.6 | 338 | 24.28 | 0 |
| 28/12/2012 16:00 | | | 1.6 | 7 | 28.71 | 0 |
| 28/12/2012 16:15 | | | 3.7 | 343 | 27.56 | 0 |
| 28/12/2012 16:30 | 73.1 | 23.9 | 5.1 | 341 | 17.34 | 0 |
| 28/12/2012 16:45 | | | 1 | 300 | 26.31 | 0 |
| 28/12/2012 17:00 | | | 2.2 | 334 | 32.9 | 0 |
| 28/12/2012 17:15 | | | 1.5 | 36 | 24.6 | 0 |
| 28/12/2012 17:30 | 64.7 | 25.1 | 1.7 | 19 | 22.72 | 0 |
| 28/12/2012 17:45 | | | 1.9 | 323 | 17.57 | 0 |
| 28/12/2012 18:00 | | | 1.6 | 304 | 34.85 | 0 |
| 28/12/2012 18:15 | | | 1.7 | 346 | 24.02 | 0 |
| 28/12/2012 18:30 | 62.9 | 25.4 | 2.4 | 34 | 19.9 | 0.2 |
| 28/12/2012 18:45 | | | 3.7 | 24 | 18.01 | 0 |
| 28/12/2012 19:00 | | | 1.2 | 338 | 26.75 | 0 |
| 28/12/2012 19:15 | | | 1.5 | 15 | 22.41 | 0 |
| 28/12/2012 19:30 | 65.7 | 24.9 | 1.6 | 35 | 18.18 | 0 |
| 28/12/2012 19:45 | | | 0.6 | 294 | 46.01 | 0 |
| 28/12/2012 20:00 | | | 1.6 | 327 | 17.37 | 0 |
| 28/12/2012 20:15 | | | 0.4 | 305 | 16.21 | 0 |
| 28/12/2012 20:30 | 73.5 | 23.9 | 0.8 | 38 | 20.89 | 0 |
| 28/12/2012 20:45 | | | 0.8 | 13 | 14.99 | 0 |
| 28/12/2012 21:00 | | | 0.8 | 306 | 41.41 | 0 |
| 28/12/2012 21:15 | | | 3 | 4 | 25.14 | 0 |
| 28/12/2012 21:30 | 77.4 | 23 | 0.7 | 12 | 41.43 | 0 |
| 28/12/2012 21:45 | | | 0.9 | 317 | 27.32 | 0 |
| 28/12/2012 22:00 | | | 1.2 | 84 | 63.51 | 0 |
| 28/12/2012 22:15 | | | 0.9 | 352 | 24.83 | 0 |
| 28/12/2012 22:30 | 80.1 | 22.2 | 2.4 | 6 | 20.04 | 0 |
| 28/12/2012 22:45 | | | 1.1 | 344 | 28.27 | 0 |
| 28/12/2012 23:00 | | | 0.8 | 335 | 13.74 | 0 |
| 28/12/2012 23:15 | | | 0.7 | 249 | 71.64 | 0 |
| 28/12/2012 23:30 | 81.5 | 21.3 | 0.9 | 326 | 42.21 | 0 |
| 28/12/2012 23:45 | | | 0.6 | 337 | 28.74 | 0 |
| 29/12/2012 0:00 | | | 1 | 37 | 78.27 | 0 |
| 29/12/2012 0:15 | | | 1.1 | 218 | 50.37 | 0 |
| 29/12/2012 0:30 | 86.3 | 20.6 | 2 | 77 | 26.34 | 0 |
| 29/12/2012 0:45 | | | 1.3 | 184 | 59.93 | 0 |
| 29/12/2012 1:00 | | | 1.1 | 162 | 23.97 | 0 |
| 29/12/2012 1:15 | | | 0.6 | 55 | 47.8 | 0 |
| 29/12/2012 1:30 | 90.5 | 19.9 | 1.1 | 67 | 13.77 | 0 |
| 29/12/2012 1:45 | | | 2 | 25 | 11.01 | 0 |
| 29/12/2012 2:00 | | | 1.8 | 138 | 42.61 | 0 |
| 29/12/2012 2:15 | | | 1.3 | 12 | 31.09 | 0 |
| 29/12/2012 2:30 | 91.8 | 19.5 | 1.6 | 52 | 22.39 | 0 |
| 29/12/2012 2:45 | | | 1 | 57 | 19.72 | 0 |
| 29/12/2012 3:00 | | | 0.8 | 133 | 64.33 | 0 |
| 29/12/2012 3:15 | | | 0.8 | 119 | 45.13 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 29/12/2012 3:30 | 90.7 | 19.8 | 0.4 | 212 | 37.58 | 0 |
| 29/12/2012 3:45 | | | 1.4 | 171 | 20.3 | 0 |
| 29/12/2012 4:00 | | | 0.8 | 102 | 26.63 | 0 |
| 29/12/2012 4:15 | | | 1.4 | 178 | 21.59 | 0 |
| 29/12/2012 4:30 | 88.3 | 20.3 | 3 | 140 | 14.22 | 0 |
| 29/12/2012 4:45 | | | 0.5 | 223 | 27.11 | 0 |
| 29/12/2012 5:00 | | | 2 | 202 | 17.59 | 0 |
| 29/12/2012 5:15 | | | 1 | 261 | 66.33 | 0 |
| 29/12/2012 5:30 | 90 | 19.4 | 0.7 | 261 | 11.43 | 0 |
| 29/12/2012 5:45 | | | 3 | 155 | 32.34 | 0 |
| 29/12/2012 6:00 | | | 2 | 251 | 23.38 | 0 |
| 29/12/2012 6:15 | | | 0.5 | 284 | 19.15 | 0 |
| 29/12/2012 6:30 | 94.7 | 18.7 | 0.8 | 238 | 15.9 | 0 |
| 29/12/2012 6:45 | | | 1 | 139 | 29.07 | 0 |
| 29/12/2012 7:00 | | | 0.4 | 158 | 17.41 | 0 |
| 29/12/2012 7:15 | | | 1.3 | 242 | 25.4 | 0 |
| 29/12/2012 7:30 | 85.9 | 20.5 | 2 | 179 | 26.11 | 0 |
| 29/12/2012 7:45 | | | 1.2 | 203 | 21.92 | 0 |
| 29/12/2012 8:00 | | | 1.5 | 163 | 39.72 | 0 |
| 29/12/2012 8:15 | | | 1.8 | 95 | 20.76 | 0 |
| 29/12/2012 8:30 | 72.9 | 22.6 | 3.5 | 157 | 32.73 | 0 |
| 29/12/2012 8:45 | | | 2.9 | 179 | 23.94 | 0 |
| 29/12/2012 9:00 | | | 4.3 | 126 | 25.77 | 0 |
| 29/12/2012 9:15 | | | 2.1 | 77 | 30.07 | 0 |
| 29/12/2012 9:30 | 61.5 | 24.3 | 4.5 | 166 | 32.25 | 0 |
| 29/12/2012 9:45 | | | 2 | 127 | 31.66 | 0 |
| 29/12/2012 10:00 | | | 3.6 | 167 | 26.88 | 0 |
| 29/12/2012 10:15 | | | 1.7 | 157 | 30.57 | 0 |
| 29/12/2012 10:30 | 58.1 | 25.2 | 3.1 | 170 | 27.4 | 0 |
| 29/12/2012 10:45 | | | 3.2 | 169 | 43.81 | 0 |
| 29/12/2012 11:00 | | | 2.4 | 132 | 26.76 | 0 |
| 29/12/2012 11:15 | | | 1.9 | 100 | 26.03 | 0 |
| 29/12/2012 11:30 | 58.4 | 25.1 | 2.1 | 119 | 26.37 | 0 |
| 29/12/2012 11:45 | | | 0.4 | 90 | 29.94 | 0 |
| 29/12/2012 12:00 | | | 3.2 | 93 | 21.67 | 0 |
| 29/12/2012 12:15 | | | 1 | 103 | 34.68 | 0 |
| 29/12/2012 12:30 | 58.1 | 25.3 | 2.1 | 51 | 28.74 | 0 |
| 29/12/2012 12:45 | | | 2 | 126 | 37.52 | 0 |
| 29/12/2012 13:00 | | | 0.9 | 105 | 24.54 | 0 |
| 29/12/2012 13:15 | | | 3.4 | 119 | 36.88 | 0 |
| 29/12/2012 13:30 | 55.1 | 26.1 | 2.3 | 135 | 51.43 | 0 |
| 29/12/2012 13:45 | | | 1.9 | 194 | 28.74 | 0 |
| 29/12/2012 14:00 | | | 4.7 | 125 | 40.76 | 0 |
| 29/12/2012 14:15 | | | 4.2 | 62 | 44.47 | 0 |
| 29/12/2012 14:30 | 52.7 | 26.7 | 4.6 | 73 | 27.38 | 0 |
| 29/12/2012 14:45 | | | 2.4 | 41 | 21.75 | 0 |
| 29/12/2012 15:00 | | | 3.7 | 82 | 36.59 | 0 |
| 29/12/2012 15:15 | | | 0.5 | 95 | 21.95 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 29/12/2012 15:30 | 54 | 26.7 | 1.9 | 126 | 25.25 | 0 |
| 29/12/2012 15:45 | | | 2.7 | 84 | 38.67 | 0 |
| 29/12/2012 16:00 | | | 3.5 | 111 | 22.48 | 0 |
| 29/12/2012 16:15 | | | 1.6 | 56 | 22.9 | 0 |
| 29/12/2012 16:30 | 56.9 | 26.3 | 2.2 | 116 | 21.91 | 0 |
| 29/12/2012 16:45 | | | 0.5 | 100 | 21.46 | 0 |
| 29/12/2012 17:00 | | | 0.9 | 109 | 26.26 | 0 |
| 29/12/2012 17:15 | | | 2.9 | 92 | 20.95 | 0 |
| 29/12/2012 17:30 | 59.9 | 25.7 | 3.3 | 140 | 23.71 | 0 |
| 29/12/2012 17:45 | | | 1 | 172 | 28.4 | 0 |
| 29/12/2012 18:00 | | | 0.7 | 1 | 28.96 | 0 |
| 29/12/2012 18:15 | | | 2.5 | 97 | 30.62 | 0 |
| 29/12/2012 18:30 | 62.2 | 25 | 3 | 126 | 23.35 | 0 |
| 29/12/2012 18:45 | | | 3.7 | 115 | 25.42 | 0 |
| 29/12/2012 19:00 | | | 1.6 | 62 | 23.07 | 0 |
| 29/12/2012 19:15 | | | 3.3 | 94 | 21.22 | 0 |
| 29/12/2012 19:30 | 66.6 | 23.5 | 3.2 | 87 | 23.24 | 0 |
| 29/12/2012 19:45 | | | 2.3 | 110 | 25.37 | 0 |
| 29/12/2012 20:00 | | | 1.3 | 120 | 24.7 | 0 |
| 29/12/2012 20:15 | | | 0.5 | 120 | 29.11 | 0 |
| 29/12/2012 20:30 | 67.2 | 23.1 | 3.5 | 129 | 24.56 | 0 |
| 29/12/2012 20:45 | | | 1.5 | 24 | 28.1 | 0 |
| 29/12/2012 21:00 | | | 2.3 | 153 | 31.54 | 0 |
| 29/12/2012 21:15 | | | 0.6 | 132 | 20.59 | 0 |
| 29/12/2012 21:30 | 68.5 | 22.8 | 0.4 | 140 | 26.93 | 0 |
| 29/12/2012 21:45 | | | 0 | 232 | 31.87 | 0 |
| 29/12/2012 22:00 | | | 0.7 | 141 | 30.15 | 0 |
| 29/12/2012 22:15 | | | 0.9 | 169 | 15.36 | 0 |
| 29/12/2012 22:30 | 70.1 | 22.6 | 1.2 | 143 | 30.11 | 0 |
| 29/12/2012 22:45 | | | 0.6 | 151 | 30.11 | 0 |
| 29/12/2012 23:00 | | | 0.8 | 171 | 30.11 | 0 |
| 29/12/2012 23:15 | | | 0.6 | 174 | 30.11 | 0 |
| 29/12/2012 23:30 | 72.4 | 22.1 | 0.7 | 196 | 30.11 | 0 |
| 29/12/2012 23:45 | | | 0.5 | 253 | 30.11 | 0 |
| 30/12/2012 0:00 | | | 0.9 | 191 | 21.49 | 0 |
| 30/12/2012 0:15 | | | 0.4 | 200 | 17.96 | 0 |
| 30/12/2012 0:30 | 75.6 | 21.6 | 0.7 | 205 | 27.23 | 0 |
| 30/12/2012 0:45 | | | 0.7 | 216 | 21.81 | 0 |
| 30/12/2012 1:00 | | | 1.2 | 162 | 23.72 | 0 |
| 30/12/2012 1:15 | | | 0.8 | 200 | 19.78 | 0 |
| 30/12/2012 1:30 | 75.3 | 21.6 | 1 | 167 | 17.85 | 0 |
| 30/12/2012 1:45 | | | 1.2 | 180 | 12.75 | 0 |
| 30/12/2012 2:00 | | | 1.4 | 170 | 10.81 | 0 |
| 30/12/2012 2:15 | | | 1.3 | 141 | 14.32 | 0 |
| 30/12/2012 2:30 | 76.4 | 21.4 | 0.9 | 198 | 19.03 | 0 |
| 30/12/2012 2:45 | | | 1 | 146 | 18.72 | 0 |
| 30/12/2012 3:00 | | | 0.6 | 188 | 23.13 | 0 |
| 30/12/2012 3:15 | | | 1.6 | 174 | 18.25 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 30/12/2012 3:30 | 76.9 | 21.3 | 1.4 | 155 | 12.96 | 0 |
| 30/12/2012 3:45 | | | 1.7 | 146 | 13.3 | 0 |
| 30/12/2012 4:00 | | | 0.8 | 160 | 14.01 | 0 |
| 30/12/2012 4:15 | | | 1.2 | 151 | 12.95 | 0 |
| 30/12/2012 4:30 | 76 | 21.2 | 0.9 | 146 | 14.51 | 0 |
| 30/12/2012 4:45 | | | 0.7 | 179 | 22.46 | 0 |
| 30/12/2012 5:00 | | | 0.9 | 174 | 11.38 | 0 |
| 30/12/2012 5:15 | | | 0.8 | 156 | 12.06 | 0 |
| 30/12/2012 5:30 | 77.6 | 20.9 | 0.7 | 185 | 38.01 | 0 |
| 30/12/2012 5:45 | | | 1.1 | 160 | 18.63 | 0 |
| 30/12/2012 6:00 | | | 1.3 | 163 | 13.41 | 0 |
| 30/12/2012 6:15 | | | 1.8 | 164 | 14.14 | 0 |
| 30/12/2012 6:30 | 78.2 | 20.9 | 1.1 | 176 | 14.04 | 0 |
| 30/12/2012 6:45 | | | 1.5 | 181 | 18.85 | 0 |
| 30/12/2012 7:00 | | | 1.1 | 148 | 17.12 | 0 |
| 30/12/2012 7:15 | | | 3.2 | 147 | 15.69 | 0 |
| 30/12/2012 7:30 | 76.4 | 21.5 | 1.9 | 169 | 15.43 | 0 |
| 30/12/2012 7:45 | | | 3.4 | 157 | 17.57 | 0 |
| 30/12/2012 8:00 | | | 3.4 | 156 | 25.65 | 0 |
| 30/12/2012 8:15 | | | 3.5 | 137 | 14.12 | 0 |
| 30/12/2012 8:30 | 68.1 | 23 | 3.1 | 104 | 22.25 | 0 |
| 30/12/2012 8:45 | | | 1.8 | 158 | 26.49 | 0 |
| 30/12/2012 9:00 | | | 2 | 131 | 22.13 | 0 |
| 30/12/2012 9:15 | | | 2.3 | 114 | 23.87 | 0 |
| 30/12/2012 9:30 | 61.1 | 23.9 | 1.6 | 110 | 23.07 | 0 |
| 30/12/2012 9:45 | | | 4.2 | 150 | 27.54 | 0 |
| 30/12/2012 10:00 | | | 1.7 | 147 | 24.53 | 0 |
| 30/12/2012 10:15 | | | 2.1 | 172 | 24.29 | 0 |
| 30/12/2012 10:30 | 59.3 | 24 | 2.9 | 93 | 27.87 | 0 |
| 30/12/2012 10:45 | | | 3.5 | 152 | 22.38 | 0 |
| 30/12/2012 11:00 | | | 4.7 | 121 | 20.3 | 0 |
| 30/12/2012 11:15 | | | 4.1 | 156 | 20.85 | 0 |
| 30/12/2012 11:30 | 57.5 | 24.2 | 4.2 | 118 | 23.63 | 0 |
| 30/12/2012 11:45 | | | 3.7 | 92 | 26.34 | 0 |
| 30/12/2012 12:00 | | | 2.4 | 90 | 24.23 | 0 |
| 30/12/2012 12:15 | | | 2.7 | 162 | 26.97 | 0 |
| 30/12/2012 12:30 | 55.6 | 24.8 | 3.4 | 150 | 20.91 | 0 |
| 30/12/2012 12:45 | | | 3.7 | 147 | 24.41 | 0 |
| 30/12/2012 13:00 | | | 4.8 | 139 | 27.02 | 0 |
| 30/12/2012 13:15 | | | 6.9 | 157 | 29.19 | 0 |
| 30/12/2012 13:30 | 54.4 | 25.3 | 3 | 86 | 27.78 | 0 |
| 30/12/2012 13:45 | | | 2.1 | 138 | 29.19 | 0 |
| 30/12/2012 14:00 | | | 5.1 | 120 | 27.35 | 0 |
| 30/12/2012 14:15 | | | 2.6 | 110 | 29.72 | 0 |
| 30/12/2012 14:30 | 50.8 | 25.8 | 5.2 | 130 | 26.02 | 0 |
| 30/12/2012 14:45 | | | 3.5 | 104 | 22.77 | 0 |
| 30/12/2012 15:00 | | | 6.4 | 95 | 21.12 | 0 |
| 30/12/2012 15:15 | | | 3.6 | 102 | 32.02 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 30/12/2012 15:30 | 47.2 | 26.4 | 3.2 | 106 | 22.85 | 0 |
| 30/12/2012 15:45 | | | 4.1 | 88 | 34.92 | 0 |
| 30/12/2012 16:00 | | | 7.4 | 158 | 34.92 | 0 |
| 30/12/2012 16:15 | | | 1.8 | 80 | 26.69 | 0 |
| 30/12/2012 16:30 | 49.9 | 26 | 6.2 | 137 | 22.94 | 0 |
| 30/12/2012 16:45 | | | 2.9 | 128 | 24.13 | 0 |
| 30/12/2012 17:00 | | | 4.2 | 115 | 24.86 | 0 |
| 30/12/2012 17:15 | | | 3.8 | 91 | 22.42 | 0 |
| 30/12/2012 17:30 | 54 | 25.2 | 3.6 | 107 | 26.98 | 0 |
| 30/12/2012 17:45 | | | 3.4 | 58 | 19.68 | 0 |
| 30/12/2012 18:00 | | | 4.7 | 83 | 31.74 | 0 |
| 30/12/2012 18:15 | | | 2.3 | 82 | 22.41 | 0 |
| 30/12/2012 18:30 | 55.8 | 24.7 | 1.5 | 81 | 16.61 | 0 |
| 30/12/2012 18:45 | | | 3.9 | 82 | 24.21 | 0 |
| 30/12/2012 19:00 | | | 0.9 | 122 | 20.47 | 0 |
| 30/12/2012 19:15 | | | 3.2 | 94 | 18.55 | 0 |
| 30/12/2012 19:30 | 58.9 | 23.8 | 2.8 | 72 | 19.04 | 0 |
| 30/12/2012 19:45 | | | 2 | 74 | 15.66 | 0 |
| 30/12/2012 20:00 | | | 0.7 | 91 | 16.05 | 0 |
| 30/12/2012 20:15 | | | 1.6 | 83 | 15.98 | 0 |
| 30/12/2012 20:30 | 62.9 | 22.7 | 1 | 138 | 20.31 | 0 |
| 30/12/2012 20:45 | | | 0.6 | 163 | 18.42 | 0 |
| 30/12/2012 21:00 | | | 0.4 | 268 | 47.28 | 0 |
| 30/12/2012 21:15 | | | 0.6 | 232 | 13.6 | 0 |
| 30/12/2012 21:30 | 68.4 | 21.7 | 0 | 170 | 37.98 | 0 |
| 30/12/2012 21:45 | | | 0.6 | 246 | 47.68 | 0 |
| 30/12/2012 22:00 | | | 0.6 | 163 | 24.61 | 0 |
| 30/12/2012 22:15 | | | 0.4 | 143 | 24.61 | 0 |
| 30/12/2012 22:30 | 68.5 | 21.7 | 0.5 | 111 | 19.24 | 0 |
| 30/12/2012 22:45 | | | 0.6 | 168 | 31.32 | 0 |
| 30/12/2012 23:00 | | | 0.4 | 147 | 21.99 | 0 |
| 30/12/2012 23:15 | | | 0.7 | 173 | 30.12 | 0 |
| 30/12/2012 23:30 | 68.3 | 21.7 | 0.8 | 154 | 17.34 | 0 |
| 30/12/2012 23:45 | | | 0.6 | 160 | 19.63 | 0 |
| 31/12/2012 0:00 | | | 0.5 | 188 | 13.05 | 0 |
| 31/12/2012 0:15 | | | 0.9 | 180 | 32.08 | 0 |
| 31/12/2012 0:30 | 69.9 | 21.5 | 0.6 | 132 | 28.63 | 0 |
| 31/12/2012 0:45 | | | 3 | 131 | 37.23 | 0 |
| 31/12/2012 1:00 | | | 0.7 | 161 | 19.44 | 0 |
| 31/12/2012 1:15 | | | 0.8 | 184 | 10.81 | 0 |
| 31/12/2012 1:30 | 72.1 | 21.3 | 0.5 | 177 | 18.88 | 0 |
| 31/12/2012 1:45 | | | 0.6 | 170 | 21.17 | 0 |
| 31/12/2012 2:00 | | | 0.5 | 119 | 33.92 | 0 |
| 31/12/2012 2:15 | | | 0.8 | 203 | 20.27 | 0 |
| 31/12/2012 2:30 | 76.1 | 20.7 | 0.5 | 164 | 33.42 | 0 |
| 31/12/2012 2:45 | | | 0.9 | 176 | 14.99 | 0 |
| 31/12/2012 3:00 | | | 0.4 | 188 | 18.3 | 0 |
| 31/12/2012 3:15 | | | 0.6 | 271 | 49.55 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 31/12/2012 3:30 | 79.2 | 20.3 | 0.5 | 243 | 11.33 | 0 |
| 31/12/2012 3:45 | | | 3 | 259 | 20.96 | 0 |
| 31/12/2012 4:00 | | | 0.6 | 137 | 49.34 | 0 |
| 31/12/2012 4:15 | | | 2 | 275 | 10.29 | 0 |
| 31/12/2012 4:30 | 83.2 | 19.6 | 0.6 | 122 | 62.27 | 0 |
| 31/12/2012 4:45 | | | 0.4 | 155 | 2.5 | 0 |
| 31/12/2012 5:00 | | | 0.8 | 163 | 20.5 | 0 |
| 31/12/2012 5:15 | | | 0.9 | 163 | 10.39 | 0 |
| 31/12/2012 5:30 | 83.3 | 19.6 | 0.6 | 137 | 18.31 | 0 |
| 31/12/2012 5:45 | | | 0.6 | 206 | 20.06 | 0 |
| 31/12/2012 6:00 | | | 0.5 | 132 | 26.13 | 0 |
| 31/12/2012 6:15 | | | 0.4 | 237 | 17.67 | 0 |
| 31/12/2012 6:30 | 83.7 | 19.5 | 1 | 165 | 24.16 | 0 |
| 31/12/2012 6:45 | | | 1.3 | 151 | 14.45 | 0 |
| 31/12/2012 7:00 | | | 1 | 162 | 14.33 | 0 |
| 31/12/2012 7:15 | | | 1 | 190 | 24.1 | 0 |
| 31/12/2012 7:30 | 77.4 | 21.1 | 1.4 | 207 | 32.4 | 0 |
| 31/12/2012 7:45 | | | 0.5 | 154 | 25.22 | 0 |
| 31/12/2012 8:00 | | | 0.9 | 86 | 87.97 | 0 |
| 31/12/2012 8:15 | | | 2.1 | 53 | 28.54 | 0 |
| 31/12/2012 8:30 | 60.7 | 23.5 | 4.3 | 65 | 36.56 | 0 |
| 31/12/2012 8:45 | | | 2.2 | 34 | 25.58 | 0 |
| 31/12/2012 9:00 | | | 2.2 | 87 | 38.87 | 0 |
| 31/12/2012 9:15 | | | 0.9 | 137 | 34.21 | 0 |
| 31/12/2012 9:30 | 51.9 | 24.2 | 0.8 | 66 | 35.9 | 0 |
| 31/12/2012 9:45 | | | 2.9 | 32 | 71.74 | 0 |
| 31/12/2012 10:00 | | | 1.6 | 16 | 53.7 | 0 |
| 31/12/2012 10:15 | | | 3.7 | 58 | 29.54 | 0 |
| 31/12/2012 10:30 | 45.9 | 25.1 | 3.4 | 44 | 24.7 | 0 |
| 31/12/2012 10:45 | | | 2 | 120 | 29.95 | 0 |
| 31/12/2012 11:00 | | | 1.9 | 347 | 64.19 | 0 |
| 31/12/2012 11:15 | | | 1.9 | 93 | 69.75 | 0 |
| 31/12/2012 11:30 | 43.5 | 25.8 | 1.5 | 123 | 36.43 | 0 |
| 31/12/2012 11:45 | | | 4.1 | 332 | 56.59 | 0 |
| 31/12/2012 12:00 | | | 1.3 | 281 | 42.37 | 0 |
| 31/12/2012 12:15 | | | 1.6 | 290 | 63.74 | 0 |
| 31/12/2012 12:30 | 42.2 | 26.6 | 2.2 | 45 | 47.93 | 0 |
| 31/12/2012 12:45 | | | 3.2 | 48 | 46.88 | 0 |
| 31/12/2012 13:00 | | | 1.4 | 334 | 34.44 | 0 |
| 31/12/2012 13:15 | | | 3 | 37 | 46.56 | 0 |
| 31/12/2012 13:30 | 41.4 | 27.3 | 2.8 | 40 | 27.07 | 0 |
| 31/12/2012 13:45 | | | 4.4 | 312 | 28.89 | 0 |
| 31/12/2012 14:00 | | | 1.9 | 309 | 38.56 | 0 |
| 31/12/2012 14:15 | | | 3 | 10 | 27.91 | 0 |
| 31/12/2012 14:30 | 41.5 | 28.2 | 3.4 | 5 | 23.82 | 0 |
| 31/12/2012 14:45 | | | 3.9 | 354 | 39.07 | 0 |
| 31/12/2012 15:00 | | | 4.8 | 38 | 23.87 | 0 |
| 31/12/2012 15:15 | | | 3.5 | 33 | 31.35 | 0 |

**JR Richards Sons
Grafton ORF - 2012**

| Date/Time | Temperature (C) | Humidity (%RH) | Wind Speed (m/s) | Wind Dir(Deg) | Sigma Theta(Deg) | Rainfall(mm) |
|------------------|-----------------|----------------|------------------|---------------|------------------|--------------|
| 31/12/2012 15:30 | 43.4 | 28.3 | 3.7 | 71 | 27.57 | 0 |
| 31/12/2012 15:45 | | | 1.6 | 351 | 48.4 | 0 |
| 31/12/2012 16:00 | | | 0.9 | 56 | 39.42 | 0 |
| 31/12/2012 16:15 | | | 3.2 | 58 | 31.31 | 0 |
| 31/12/2012 16:30 | 41.4 | 28.8 | 5.4 | 48 | 44.15 | 0 |
| 31/12/2012 16:45 | | | 2.4 | 61 | 29.43 | 0 |
| 31/12/2012 17:00 | | | 4.8 | 70 | 20.8 | 0 |
| 31/12/2012 17:15 | | | 7.3 | 68 | 22.19 | 0 |
| 31/12/2012 17:30 | 47.1 | 28 | 3.7 | 42 | 23.32 | 0 |
| 31/12/2012 17:45 | | | 0.4 | 54 | 15.06 | 0 |
| 31/12/2012 18:00 | | | 3.5 | 69 | 14.5 | 0 |
| 31/12/2012 18:15 | | | 3.6 | 6 | 16.69 | 0 |
| 31/12/2012 18:30 | 48.2 | 27 | 5.1 | 16 | 16.96 | 0 |
| 31/12/2012 18:45 | | | 5.5 | 40 | 12.41 | 0 |
| 31/12/2012 19:00 | | | 4.9 | 46 | 14.44 | 0 |
| 31/12/2012 19:15 | | | 6.4 | 35 | 13.62 | 0 |
| 31/12/2012 19:30 | 54.6 | 25.4 | 4.6 | 36 | 11.99 | 0 |
| 31/12/2012 19:45 | | | 3 | 27 | 12.16 | 0 |
| 31/12/2012 20:00 | | | 2.9 | 40 | 14.1 | 0 |
| 31/12/2012 20:15 | | | 3.5 | 39 | 12.97 | 0 |
| 31/12/2012 20:30 | 62.8 | 23.8 | 1.7 | 54 | 11.57 | 0 |
| 31/12/2012 20:45 | | | 2.1 | 18 | 13.27 | 0 |
| 31/12/2012 21:00 | | | 1.4 | 30 | 12.87 | 0 |
| 31/12/2012 21:15 | | | 1.9 | 21 | 12.76 | 0 |
| 31/12/2012 21:30 | 68.6 | 22.8 | 0.9 | 5 | 14.53 | 0 |
| 31/12/2012 21:45 | | | 0.9 | 41 | 16.21 | 0 |
| 31/12/2012 22:00 | | | 3 | 313 | 39.66 | 0 |
| 31/12/2012 22:15 | | | 3 | 107 | 42.87 | 0 |
| 31/12/2012 22:30 | 73.5 | 22 | 0.9 | 244 | 68.31 | 0 |
| 31/12/2012 22:45 | | | 0.8 | 256 | 13.48 | 0 |
| 31/12/2012 23:00 | | | 1 | 2 | 47.3 | 0 |
| 31/12/2012 23:15 | | | 2 | 271 | 90.22 | 0 |
| 31/12/2012 23:30 | 80.8 | 20.7 | 0.5 | 318 | 53.84 | 0 |
| 31/12/2012 23:45 | | | 0.4 | 291 | 15.52 | 0 |