“of all the silly, irritating tomfoolishness by which we are plagued, this ‘weather-forecast’ fraud is about the most aggravating. It ‘forecasts’ precisely what happened yesterday or the day before, and precisely the opposite of what is going to happen today”

written in 1889 by Jerome K. Jerome (from his book - Three men in a boat)
Easy to manipulate data....

<table>
<thead>
<tr>
<th>Vaisala IceCast IceNet™ - road</th>
<th>rail</th>
<th>runway</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Status Table</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STATION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1242 Withernsea</td>
<td>01.05.2008 01:20</td>
<td>0.5</td>
</tr>
<tr>
<td>A166 Garrowsea</td>
<td>01.05.2008 01:15</td>
<td>5.2</td>
</tr>
<tr>
<td>B1249 Langtoft</td>
<td>01.05.2008 01:20</td>
<td>7.1</td>
</tr>
<tr>
<td>C111 Sewerby Road</td>
<td>01.05.2008 01:20</td>
<td>7.8</td>
</tr>
<tr>
<td>A114 Holme on Spalding Moor</td>
<td>01.05.2008 01:20</td>
<td>8.0</td>
</tr>
<tr>
<td>A1230 High Hunsley</td>
<td>01.05.2008 02:20</td>
<td>8.7</td>
</tr>
<tr>
<td>A18 Old Vicarage</td>
<td>01.05.2008 01:40</td>
<td>9.4</td>
</tr>
<tr>
<td>A19 Riccall</td>
<td>11.06.2008 21:40</td>
<td>9.5</td>
</tr>
<tr>
<td>B1244 Hornsea</td>
<td>01.05.2008 02:00</td>
<td>9.9</td>
</tr>
<tr>
<td>B1216 Neap House</td>
<td>01.05.2008 03:00</td>
<td>10.3</td>
</tr>
<tr>
<td>A63 North Ferriby</td>
<td>01.05.2008 03:00</td>
<td>10.3</td>
</tr>
<tr>
<td>A64 Sexton</td>
<td>30.07.2008 14:00</td>
<td>16.6</td>
</tr>
<tr>
<td>A133 Cadwell</td>
<td>30.07.2008 14:20</td>
<td>16.9</td>
</tr>
<tr>
<td>A16 Ludborough</td>
<td>30.07.2008 14:20</td>
<td>16.9</td>
</tr>
<tr>
<td>A164 Cranswick</td>
<td>06.07.2008 00:20</td>
<td>17.9</td>
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<tr>
<td>A180 Stallingborough</td>
<td>30.07.2008 14:00</td>
<td>18.9</td>
</tr>
<tr>
<td>A11036 North East</td>
<td>30.07.2008 14:20</td>
<td>18.7</td>
</tr>
<tr>
<td>M62 Newport</td>
<td>30.07.2008 14:20</td>
<td>20.1</td>
</tr>
<tr>
<td>A57 Newton on Trent</td>
<td>30.07.2008 14:20</td>
<td>20.2</td>
</tr>
<tr>
<td>A631 Caerny Corner</td>
<td>30.07.2008 14:20</td>
<td>20.2</td>
</tr>
<tr>
<td>A1237 South West</td>
<td>30.07.2008 14:20</td>
<td>20.7</td>
</tr>
<tr>
<td>A614 Shipptonorpe</td>
<td>30.07.2008 12:00</td>
<td>21.7</td>
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<tr>
<td>A118 Hatfield</td>
<td>30.07.2008 14:00</td>
<td>22.2</td>
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<tr>
<td>A15 Elsham Wold</td>
<td>30.07.2008 12:00</td>
<td>22.9</td>
</tr>
<tr>
<td>A165 Long Riston</td>
<td>09.06.2008 10:20</td>
<td>24.1</td>
</tr>
<tr>
<td>M62 High Egborough</td>
<td>30.07.2008 12:00</td>
<td>24.8</td>
</tr>
</tbody>
</table>

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Export Data……

Vaisala IceCast IceNet™ - road|rail|runway

<table>
<thead>
<tr>
<th>Observation</th>
<th>Forecast</th>
<th>Available Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generate</td>
<td>CSV file from</td>
<td>containing</td>
</tr>
</tbody>
</table>

1. Select the station from which to generate the export data file.
2. Choose the start and end dates for the data export generation.
3. Select the type of information to be included, to include everything select all or choose individually from the atmospheric, surface and technical sensor groups.
4. After a short delay you will be prompted to save the export data file to your desired location.
5. Once you have downloaded the file, unzip it with a suitable application (e.g., WinZip) and then open the resultant comma separated variable (CSV) file in an appropriate application (e.g., MS Excel).

For JMeter load testing: 0F26065DF20721A6DEF4840349BF0C1E
**Observational Data Quality Summary for East Riding of Yorkshire Council**

<table>
<thead>
<tr>
<th>Level 2 Data Quality - Own Stations</th>
<th>Status</th>
<th>Start</th>
<th>Latest</th>
<th>Fault Level Callout</th>
</tr>
</thead>
<tbody>
<tr>
<td>A164 Cranwick</td>
<td>Season finished - DMC disabled</td>
<td>confirmed</td>
<td>18.06.2008</td>
<td>07:53</td>
</tr>
<tr>
<td>81242 Withernsea Sensors planed out</td>
<td>confirmed</td>
<td>22.04.2008</td>
<td>01.05.2008</td>
<td>error</td>
</tr>
<tr>
<td>81242 Withernsea Air temperature is low</td>
<td>confirmed</td>
<td>01.05.2008</td>
<td>01.05.2008</td>
<td>error</td>
</tr>
<tr>
<td>81242 Withernsea Missing air temperature</td>
<td>confirmed</td>
<td>22.04.2008</td>
<td>01.05.2008</td>
<td>error</td>
</tr>
</tbody>
</table>

This report includes one or more potential faults with your weather stations. If you have a maintenance contract with Vaisala the procedure is: For stations reporting **No Data**, please contact the Vaisala Help Desk so that the nature of the fault can be confirmed. If appropriate, we will request that you visit the station to:

- ensure that the mains circuit breaker has not tripped
- confirm that there is not a phone-line fault (please take a telephone handset with you to check the phone-line)
- check that there is no damage due to vandalism or a road traffic accident
- carry out a reset of the station if required

Where you suspect that **Vandalism** is the cause, please visit the station and contact the Vaisala Help Desk to describe the damage.

For **All Other Faults**, Vaisala will arrange a visit by one of our service engineers.

N.B. In all cases, please call the Help Desk from the station on 0121-683-1269 so that we can provide you with assistance and carry out a remote check of the station if required.

Faults detected within the last 365 days
Report produced by Vaisala at 08:00 UTC on 30 Jul 2008

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For iMeter load testing : 0F26065DF20721A6DEF48403408F0C1E
Thermal Mapping....
The Thermal Mapping Survey

Surveys carried out using:

• Specially equipped vehicles

• Record the temperature within 0.1° C over a 4.5 metre span of road

• Data are logged onto disks or flash cards that can be e-mailed back to the office for processing

• GPS capability
A thermal fingerprint of the route is produced identifying warm and cold spots.
The Thermal Mapping Survey

Thermal ‘finger prints’ of the road network are produced

The finger prints are integrated on to a digital map of the road network
TimeStep Thermal Maps
TimeStep Thermal Maps

Vaisala IceNet (US) | [East Riding of Yorkshire Council] - Windows Internet Explorer

Vaisala IceCast IceNet™ - road|rail|runway

Time Step Thermal Map

Time Step Control

Interval (seconds)

Time

Saltin Routes

Thermal Key

> 3°C
3°C -> 1°C
1°C -> -1°C
-1°C -> -3°C
-3°C -> -5°C
<- -5°C
TimeStep Thermal Maps

Vaisala IceNet IceNet™ - road|rail|runway

<table>
<thead>
<tr>
<th>Observation</th>
<th>Forecast</th>
<th>Available Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 30.07.2008</td>
<td>Time: 14:12 America/Denver</td>
<td>View Archive</td>
</tr>
</tbody>
</table>

Vaisala IceCast IceNet™ - road|rail|runway

Time Step Thermal Map

Time Step Control

Interval (seconds) 1

Time 00:00

Salting Routes

Thermal Key

- > 3°C
- 3°C -> 1°C
- 1°C -> -1°C
- -1°C -> -3°C
- -3°C -> -5°C
- < -5°C
TimeStep Thermal Maps

Vaisala IceCast IceNet™ - road|rail|runway

Observation | Forecast | Available Tools
--- | --- | ---

Date: 30.07.2008 14:12 America/Denver
Time: 01:00

Time Step Thermal Map

Interval (seconds): 1

Temperature Summary:
- > 3°C
- 3°C -> 1°C
- 1°C -> -1°C
- -1°C -> -3°C
- -3°C -> -5°C
- < -5°C
## TimeStep Thermal Maps

**Vaisala IceNet (US) | [East Riding of Yorkshire Council] - Windows Internet Explorer**

**Vaisala IceCast IceNet™ - road|rail|runway**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Available Tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>14</td>
<td>View Archive</td>
</tr>
</tbody>
</table>

**Time Step Control**

- Interval (seconds)

- Time: 02:00

**Salting Routes**

- Beverley: Route 3

**Thermal Key**

- > 3°C
- 3°C -> 1°C
- 1°C -> -1°C
- -1°C -> -3°C
- -3°C -> -5°C
- < -5°C
TimeStep Thermal Maps

Vaisala IceNet (US) | [East Riding of Yorkshire Council] - Windows Internet Explorer

Vaisala IceCast IceNet™ - road|rail|runway

Time Step Thermal Map

Time Step Control

Interval (seconds)

Time

Salting Routes

Beverley: Route 3

View

Thermal Key

> 3°C
3°C → 1°C
1°C → -1°C
-1°C → -3°C
-3°C → -5°C
< -5°C
TimeStep Thermal Maps

Vaisala IceNet (US) | [East Riding of Yorkshire Council] - Windows Internet Explorer

Vaisala IceCast IceNet™ - road|rail|runway

Time Step Thermal Map

Time Step Control

Interval (seconds)

Time

Saltin Routes

Thermal Key

> 3°C
3°C -> 1°C
1°C -> -1°C
-1°C -> -3°C
-3°C -> -5°C
<-5°C
TimeStep Thermal Maps

Vaisala IceNet (US) | [East Riding of Yorkshire Council] - Windows Internet Explorer

Vaisala IceCast IceNet™ - road|rail|runway

Observation | Forecast | Available Tools

Date | Time | View Archive

Time Step Control

Interval (seconds)

Time

Salting Routes
Beverley: Route 3

Thermal Key

> 3°C
3°C -> 1°C
1°C -> -1°C
-1°C -> -3°C
-3°C -> -5°C
<-5°C
Thank you