



Example DataHog2 Data

How do I interpret data from my logger?

The DataHog2 data is alphanumeric or ASCII space delimited format. It includes time and date for each record, plus the channel number followed by the measurement for that channel. You will need to refer to your logger's Hardware Configuration and Calibration Certificate to check which Software Channel Number corresponds with each sensor. If you cannot locate your certificate please email Skye with your logger serial number to request a copy.

Below is an example of raw data taken from a DataHog2 showing the time, date and 3 active channels with a 1 minute logging interval. This is recommended for live display on our GPRS systems but can be changed by the customer at any time. The number of channels will depend on set up and configuration of the DataHog2.

```
12:00:00 05.03.18 00 0237.57 01 004.539 02 00120
12:01:00 05.03.18 00 0232.24 01 003.656 02 00100
12:02:00 05.03.18 00 0233.09 01 003.488 02 00120
12:03:00 05.03.18 00 0235.23 01 003.530 02 00110
12:04:00 05.03.18 00 0232.88 01 004.287 02 00125
```

Here you can see the data above broken down into the respective column with a copy of the Hardware Configuration and Calibration Certificate;

| Time | Date | Channel 00 | Channel 01 | Channel 02 |
|----------|----------|------------|------------|------------|
| 12:00:00 | 05.03.18 | 00 0237.57 | 01 004.539 | 02 00120 |
| 12:01:00 | 05.03.18 | 00 0232.24 | 01 003.656 | 02 00100 |
| 12:02:00 | 05.03.18 | 00 0233.09 | 01 003.488 | 02 00120 |
| 12:03:00 | 05.03.18 | 00 0235.23 | 01 003.530 | 02 00110 |
| 12:04:00 | 05.03.18 | 00 0232.88 | 01 004.287 | 02 00125 |



HARDWARE CONFIGURATION AND CALIBRATION CERTIFICATE

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DATAHOG2 TYPE: SDL 2990

SERIAL NO.: 142006

Certificate Issue Date: 22/07/2017

| Software Channel No. | Hardware Channel No. | Socket No. | Configured for Input Type | Gain Code | Termination Code | Scale Code | Sample Time | Storage Time | Full Scale Value | Zero Offset | Units | Sensor Serial No and/or Calibration Factor (when supplied by Skye) |
|----------------------|----------------------|------------|---------------------------|-----------|------------------|------------|-------------|--------------|------------------|-------------|-------------------|--|
| 00 | 33 | 1 | Light | 01 | n/a | 01 | 06 | 07 | 4051.3 | +0000 | W m ⁻² | SKS 1110/1 48036 0.04916 µA / W m ⁻² |
| 01 | 48 | 2 | Windspeed | n/a | n/a | 01 | 06 | 07 | 798.32* | +0000 | m s ⁻¹ | A100R 7660 47.6 rpm / m s ⁻¹ |
| 02 | 03 | 3 | Wind Vane | 00 | 00 | 04 | 06 | 07 | 2000.0 | +0000 | degrees | W200P/DH 5427 |

If you have any issues interpreting data from your DataHog or MiniMet station, please get in touch with a member of the Skye team who will be happy to help.