



Simulation : False  
Vessel : Ranform Atlas  
Date : Wed May 3 23:36:39 2017  
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Version : beta 1.01

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## Body Condition monitoring

## Body QC checks

- Firmware version
- Rotation
- Roll
- Humidity
- Pressure
- Temperature
- Depth

## Pressure calibration

- Test at 0m
- Test at 10m
- Test at 20m
- Sensor coefficient

## Monitoring

- Temperature & humidity
- Roll 3d graph
- Polar graph
- Power L1 & L2
- Currents L1
- Currents L2



Atmospheric pressure: 1010

Body firmware : 2.02.00



Body serial number : 13405



### Body rotation QC

Maximum rotation: 0.0

Minimum rotation: 0.0



Average rotation: 0.0



### Body roll QC

Maximum roll : 180.0



Minimum roll : -180.0



Average roll : 50.71



### Body humidity QC

Maximum humidity : 72.5%



Humidity is high

Minimum humidity : 72.2%



Average humidity : 72.46%



High humidity, need investigation

### Body pressure QC

Maximum pressure : 990.0 mB



DT needs recalibration

Minimum pressure : 987.0 mB



DT needs recalibration

Average pressure : 988.7 mB



DT needs recalibration

### Body temperature QC

Maximum temperature : 30.4



Minimum temperature : 30.4



Average temperature : 30.4



### Body depth QC

Maximum depth : -0.23



Minimum depth : -0.27



Average depth : -0.24





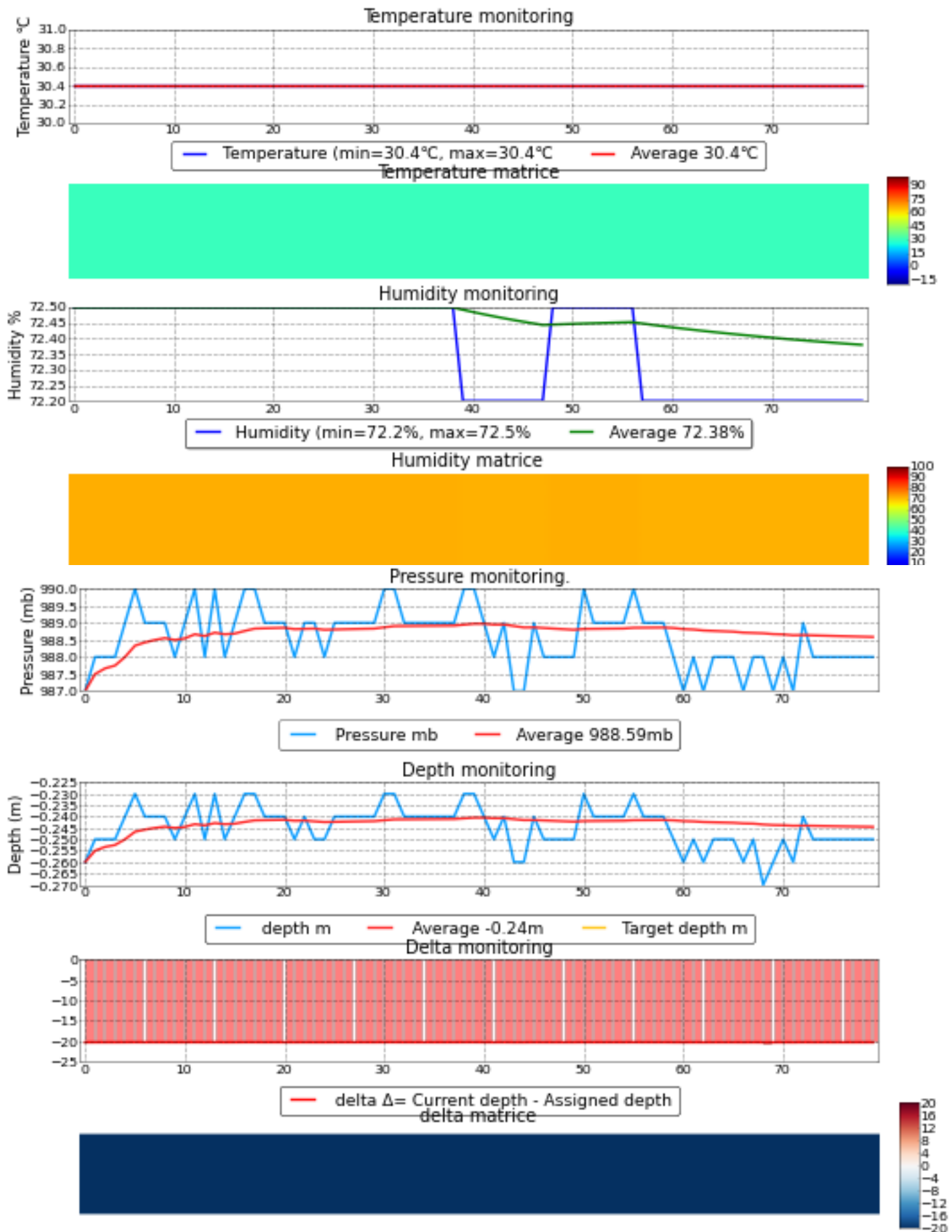
## Body temperature, humidity, pressure & depth

Scan interval :2.0 seconds

Records : from 1 to 80

Time window : from 2.0s to 160.0 s

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## Body Rotation and roll

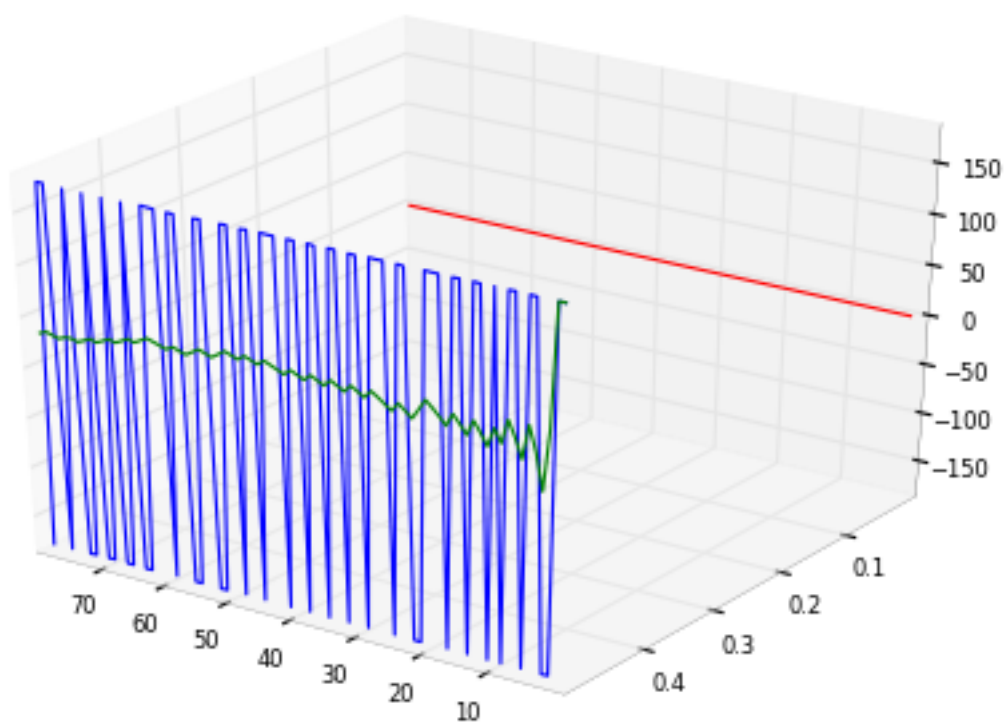
Scan interval :2.0 seconds

Records : from 1 to 80

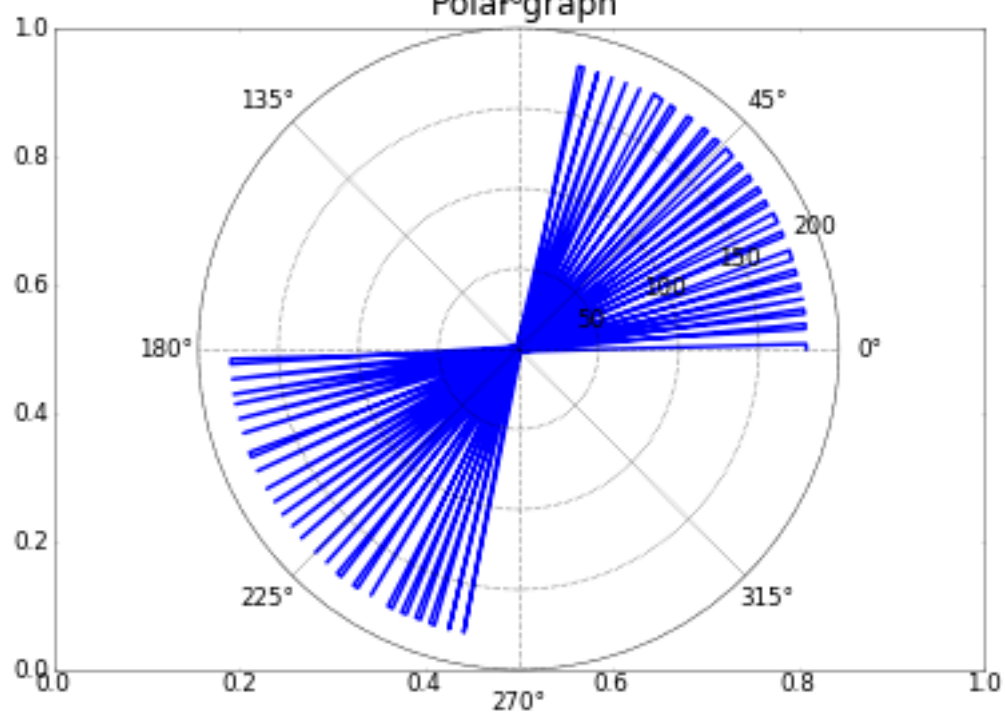
Time window : from 2.0s to 160.0 s

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Roll 3D graph



Polar<sup>90°</sup> graph





## Power L1 and L2

Scan interval :2.0 seconds

Records : from 1 to 80

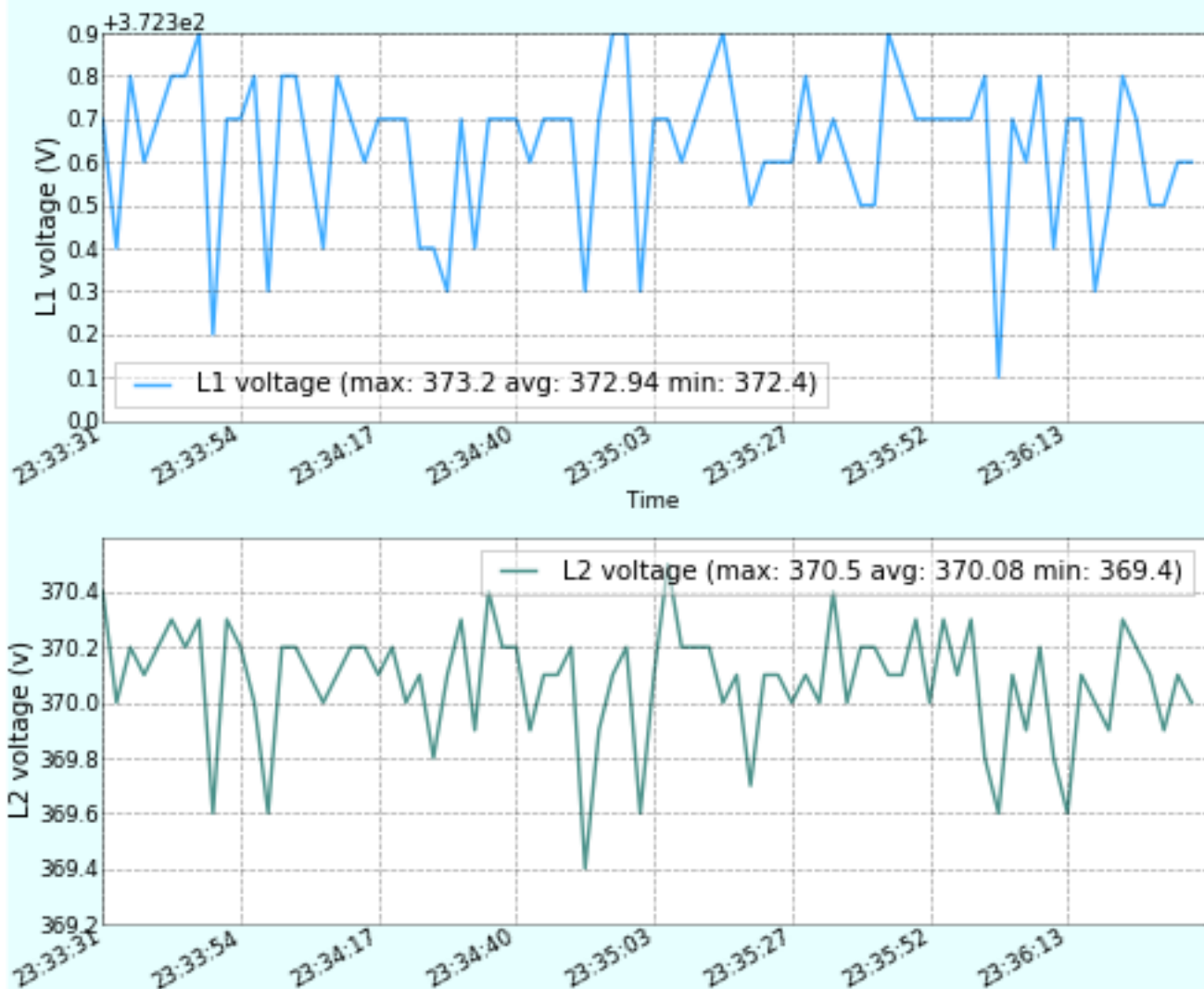
Time window : from 2.0s to 160.0 s

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L1 mode : On

L2 mode : On

### Power plots





Currents L1  
Scan interval :2.0 seconds  
Records : from 1 to 80  
Time window : from 2.0s to 160.0 s

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## Leakage detection

Leakage detected: no



Leakage recurrence: None



Leakage maximum: 1.0



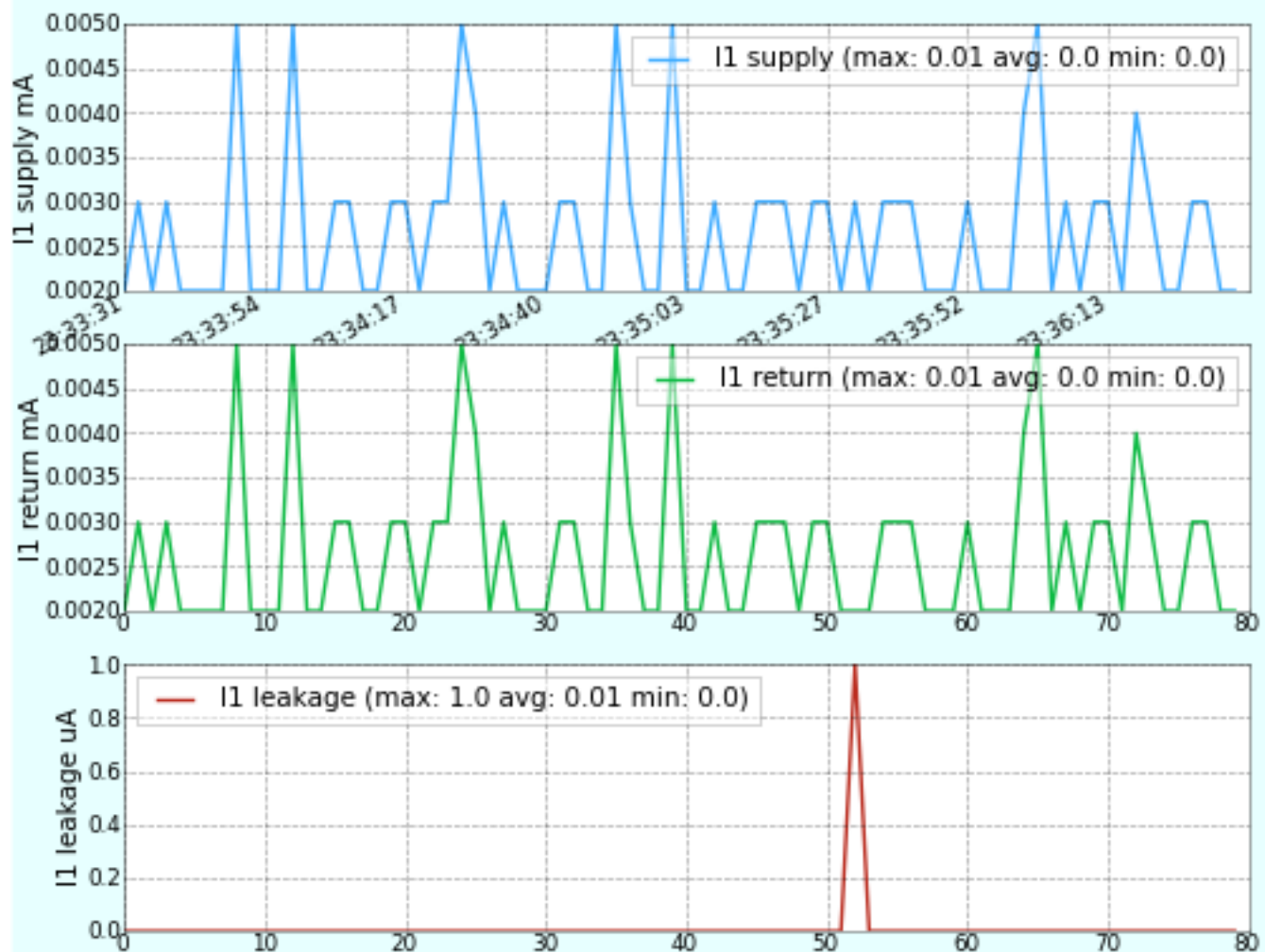
Leakage average: 0.01



Leakage minimum: 0.0



### L1 current plots





## Leakage detection

Leakage detected: no



Leakage recurrence: None



Leakage maximum: 1.0



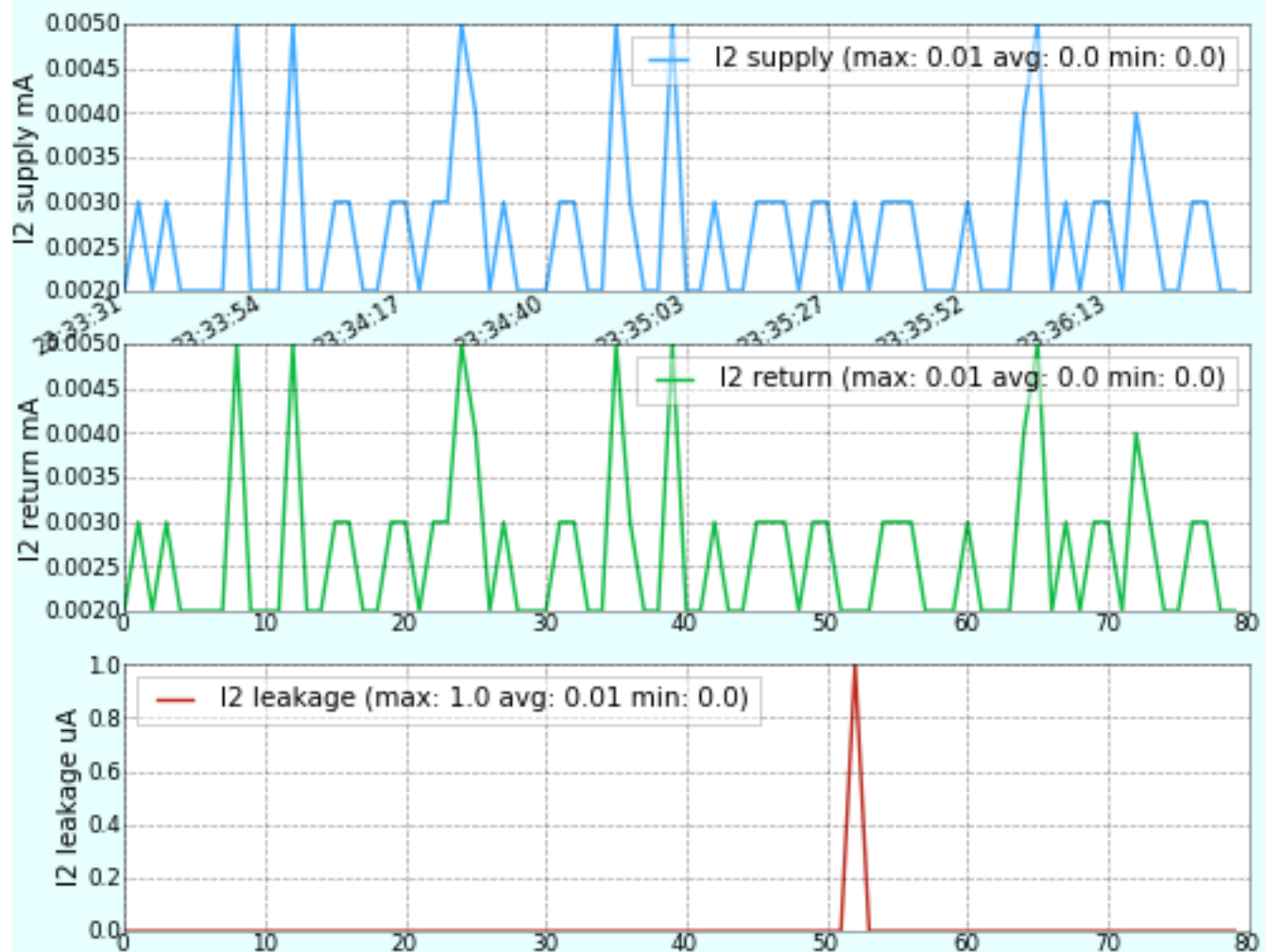
Leakage average: 0.01



Leakage minimum: 0.0



### L2 current plots

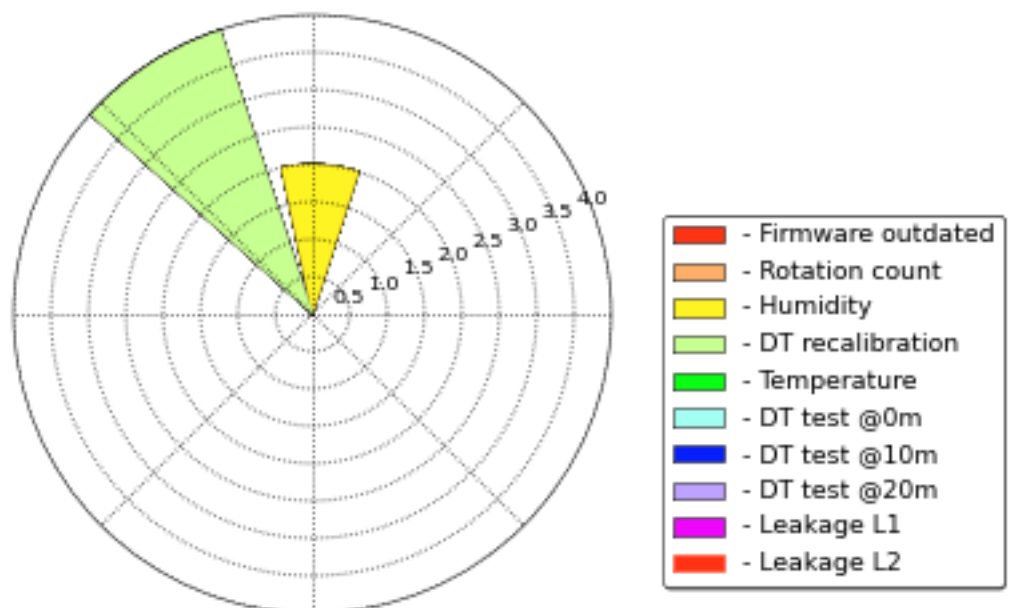






Element : - Firmware outdated	Severity: 0	Pass
Element : - Rotation count	Severity: 0	Pass
Element : - Humidity	Severity: 2	Warning
Element : - DT recalibration	Severity: 4	Fail
Element : - Temperature	Severity: 0	Pass
Element : - DT test @0m	Severity: 0	Pass
Element : - DT test @10m	Severity: 0	Pass
Element : - DT test @20m	Severity: 0	Pass
Element : - Leakage L1	Severity: 0	Pass
Element : - Leakage L2	Severity: 0	Pass

# Fail







## IFS

Scan interval :2.0 seconds

Records : from 1 to 80

Time window : from 2.0s to 160.0 s

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### Item found in IFS

Description	eBird? Body GeoStreamer
Vessel	SOS
Part number	1021569
Serial number	B13405
Alternate ID	5380608
Operational condition	Non Operational
Operational status	Not Applicable
Latest transaction	Moved to location ATS-3-3298 at site ATS
Date created	2014-01-16 10:26:35
Date changed	2017-04-14 19:52:05

### Active work order

WO number	62007494
WO status	FAULTREPORT
Registration date	2017-04-10 23:37:21
Location	SOS
Description	eBird? Body GeoStreamer
Error description	TBSO - Intermittent comms on wing 3 position
Symptom	510   Communication failure
Cause	None   Communication failure
Error type	None
Discover code	40   Equipment Malfunction
Origin code	23

**No historical work order found**

**Found : 0 transport order(s)**



## QR code

Scan interval :2.0 seconds

Records : from 1 to 80

Time window : from 2.0s to 160.0 s

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The QR code contains the following informations

S/N:B13405

PART\_NO: 1021569

ALTERNATE\_ID: 5380608

Body status: Fail

- Humidity : Severity=2

- DT recalibration : Severity=4

