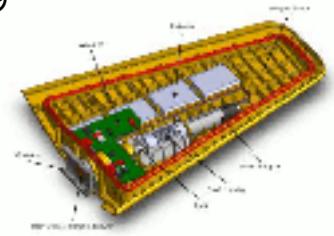




Body port : 3
Simulation : OFF
Vessel : Ranform ATLAS
Date : Tue May 30 16:14:02 2017
Author : ATLAS seismic crew
Version : beta 1.01
Test DB : ReportDB_Tue May 30 16:13:59 2017.sq3



Wings Condition monitoring

Wing QC checks

- Current
- Voltage
- Duty cycle
- Link quality
- Humidity
- Temperature

Wing plots

- Voltage
- Current
- Duty cycle
- Link quality
- Humidity
- Temperature

Wing motor statistics

- Wing response signature(s)
- Wing overall statistics
- Top 10 records versus test(s)
- Pool Performances versus test(s)
- Prognostic plot

Wing flag statistics

- Communication failure flag
- Operational condition flag
- Charge algorithm

IFS status

- IFS statistics
- Previous fault report(s)

Wing prognostics



Quality control

Scan interval :4.0 seconds

Records : from 0 to 62

Time window : from 0.0s to 248.0 s

Page :2

Current QC

| | | |
|--------------------------------|--|------------------------|
| Maximum current: 56.0 mA | | Wing has been charging |
| Minimum current: -36.0 mA | | |
| Average current: 32.58 mA | | |
| Current variation: 92.0 mA | | |
| Charging capacity: 472.94 mA/H | | Wing charging. |

Voltage QC

| | | |
|--------------------------|--|---|
| Maximum voltage: 16.0 v | | |
| Minimum voltage: 15.9 v | | |
| Average voltage: 15.97 v | | Need charging, operator to decide if suitable for production. |
| Voltage variation: 0.1 v | | |

Duty cycle QC

| | |
|-----------------------------|--|
| Maximum duty cycle: 86 % | |
| Minimum duty cycle: 0 % | |
| Average duty cycle: 20.77 % | |

Link quality QC

| | |
|-------------------------------|--|
| Maximum link quality: 100 % | |
| Minimum link quality: 100 % | |
| Average link quality: 100.0 % | |
| link quality variation: 0.0 | |

Humidity QC

| | |
|--------------------------|--|
| Maximum humidity: 33.0 % | |
| Minimum humidity: 31.0 % | |
| Average humidity: 31.5 % | |

Temperature QC

| | |
|----------------------------|--|
| Maximum Temperature: 26.6 | |
| Minimum Temperature: 25.6 | |
| Average Temperature: 26.44 | |



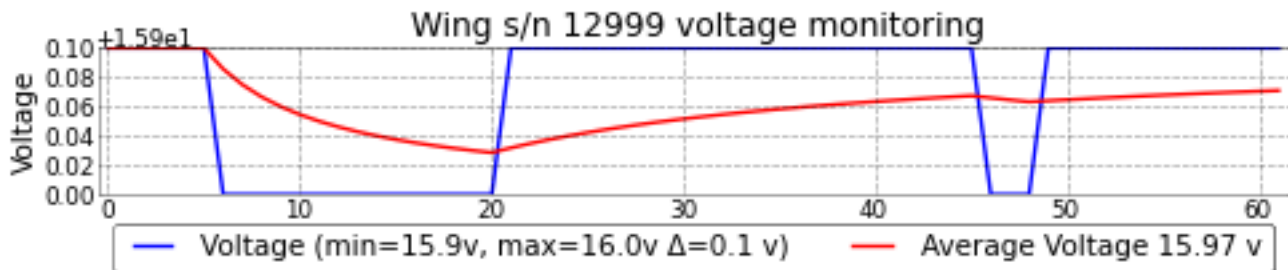
Plots display : Voltage, Current, Duty cycle

Scan interval :4.0 seconds

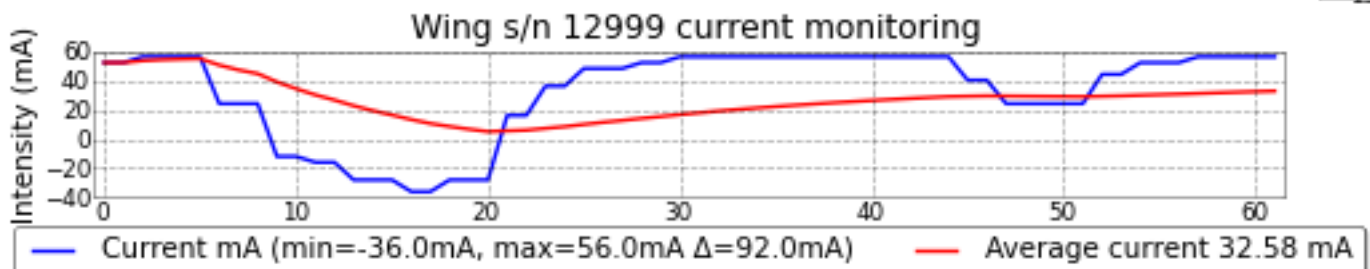
Records : from 0 to 62

Time window : from 0.0s to 248.0 s

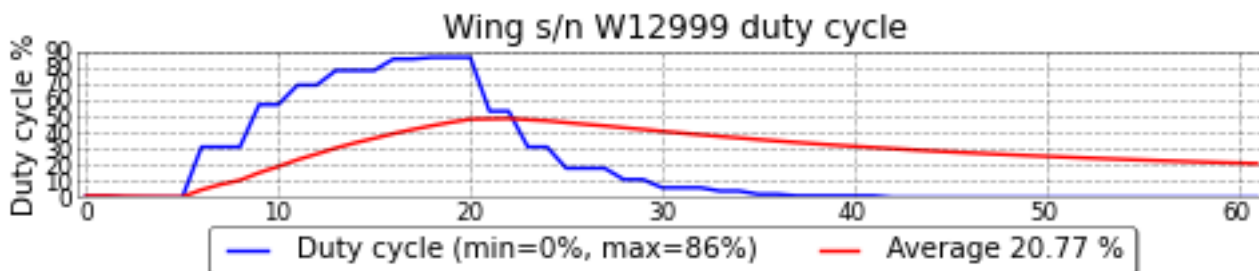
Page :3



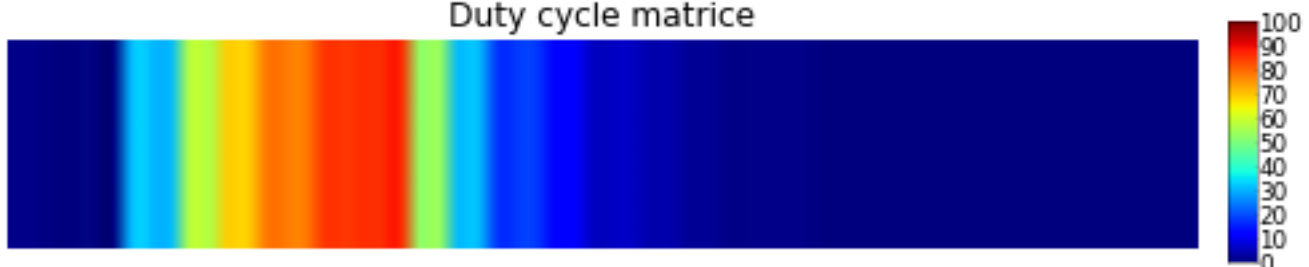
Voltage variation matrice



Average current matrice



Duty cycle matrice





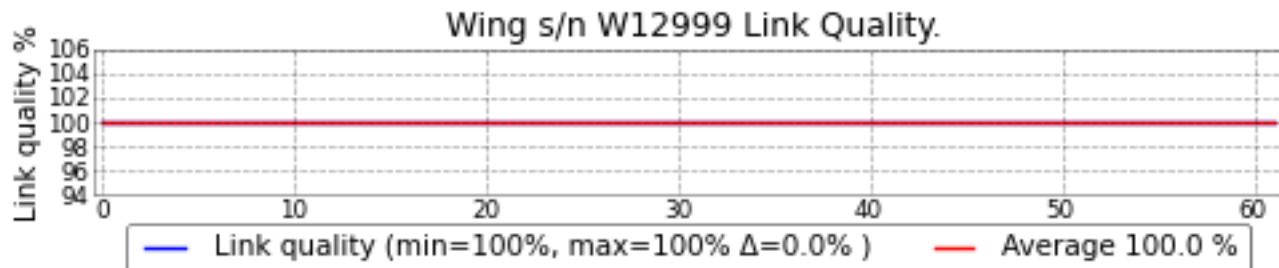
Plots display : LQ, Humidity, Temperature

Scan interval :4.0 seconds

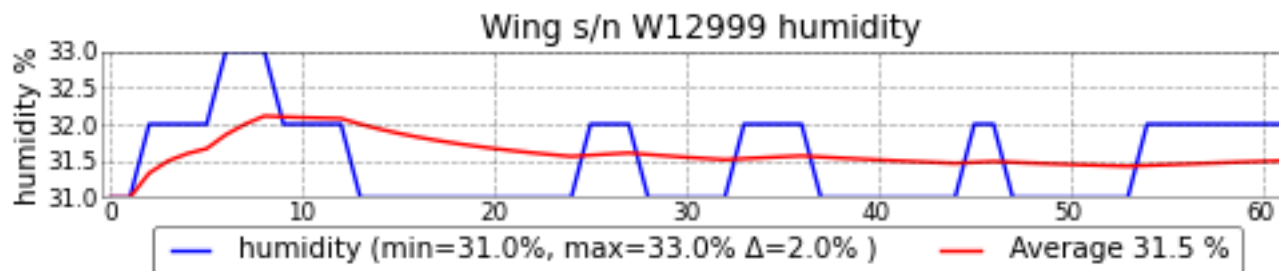
Records : from 0 to 62

Time window : from 0.0s to 248.0 s

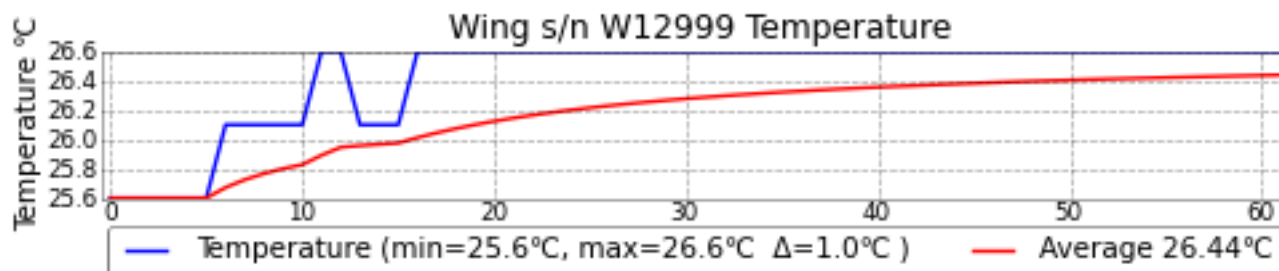
Page :4



Link quality matrice

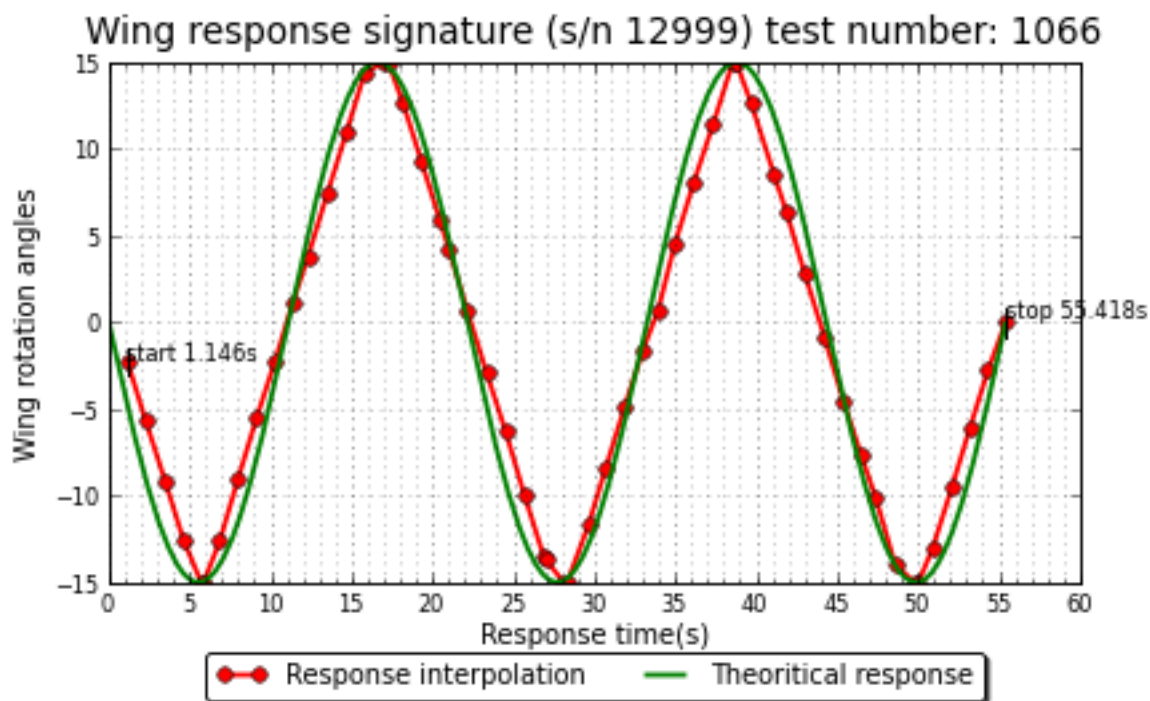


Humidity matrice



Temperature matrice





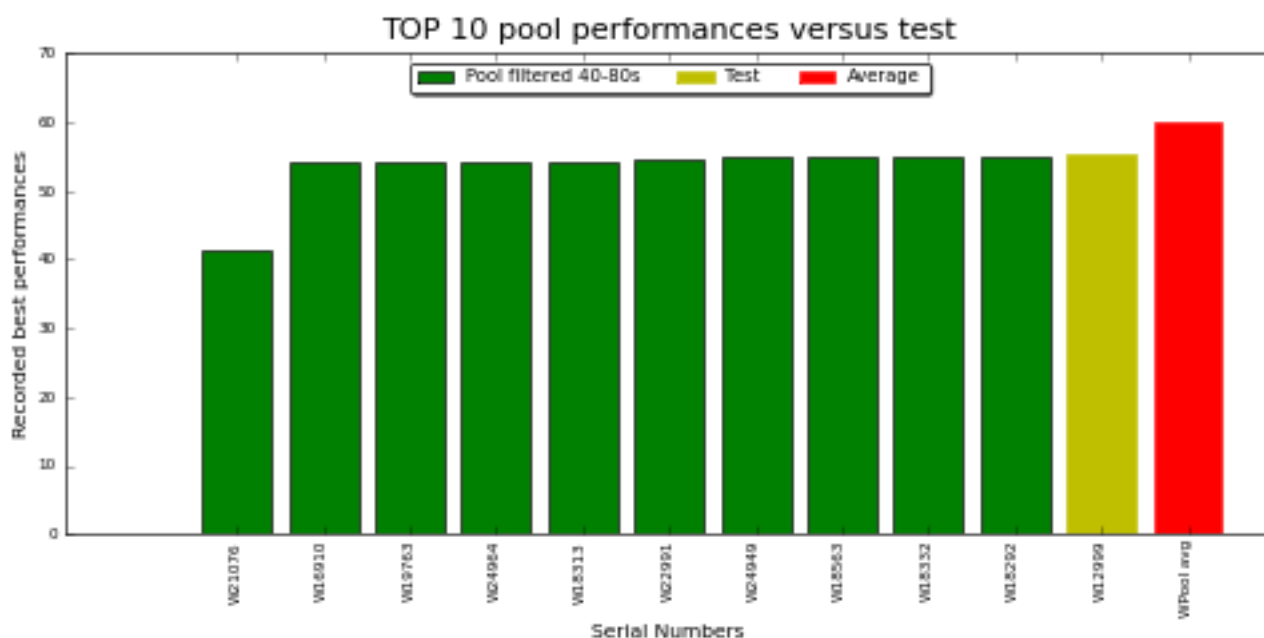
| Best performance | Result average | Worst performance |
|------------------|----------------|-------------------|
| 55.418s | 55.418s | 55.418s |

Pool average speed : 60.127 seconds



Speed (this test) : 55.418 seconds

Pool classement : 16/151

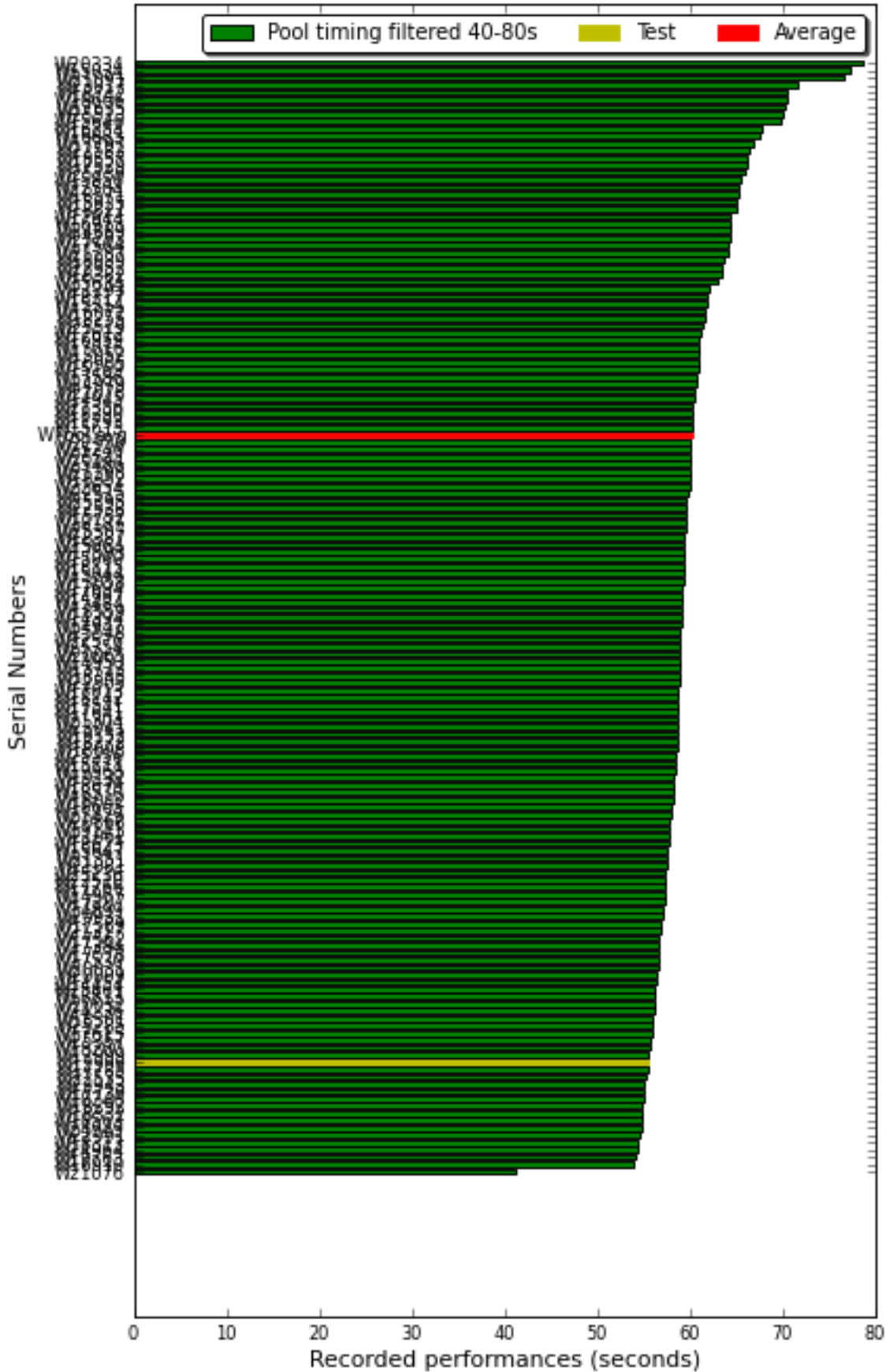




Signature plot recorded.
Scan interval :4.0 seconds
Records : from 0 to 62
Time window : from 0.0s to 248.0 s

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Pool performances versus test





Wing flag statistics
Scan interval :4.0 seconds
Records : from 0 to 62
Time window : from 0.0s to 248.0 s

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Communication status : Comm OK

Operational status : Op OK

Power deactivated : 8.06%

Power activated : 91.94%

Charge disabled : 8.06%

Charge enabled : 91.94%

Power NOT received : 8.06%

Power received : 91.94%

Wing has received power : Maximum current should be >0

Element : - Not charging Severity: 0 Pass

Element : - Voltage value Severity: 1 Notice

Element : - Voltage drop(s) Severity: 0 Pass

Element : - Comms issue Severity: 0 Pass

Element : - Duty cycle Severity: 0 Pass

Element : - Link Quality Severity: 0 Pass

Element : - Humidity Severity: 0 Pass

Element : - Temperature Severity: 0 Pass

Element : - Motor speed test Severity: 0 Pass

Element : - Operational flag Severity: 0 Pass

Recommendation: A test should always be followed by a wing cover inspection and a manual wing rotational test to detect loose mechanism.

Make sure no radio is in the ebird body vicinity during the testing.

Pass



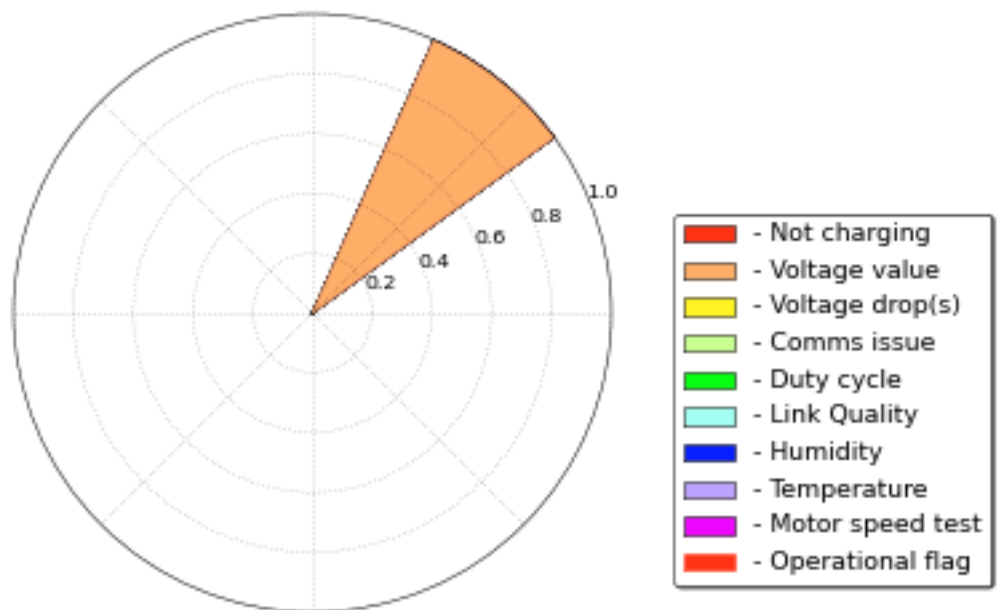
Prognostic graph & QR code

Scan interval :4.0 seconds

Records : from 0 to 62

Time window : from 0.0s to 248.0 s

Page :8





IFS

Scan interval :4.0 seconds

Records : from 0 to 62

Time window : from 0.0s to 248.0 s

Page :9

Item found in IFS

| | |
|-----------------------|--|
| Description | eBird? SmartWing |
| Vessel | SOS |
| Part number | 1021571 |
| Serial number | W12999 |
| Alternate ID | 5365406 |
| Operational condition | Non Operational |
| Operational status | Not Applicable |
| Latest transaction | Moved to location ATS-3-3298-EBWRK at site ATS |
| Date created | 2012-11-24 14:52:44 |
| Date changed | 2017-05-26 21:43:11 |

No active work order found

No historical work order found

Found : 2 transport order(s)

| | | | |
|-------------------------|---------------------|---------------|------------------|
| Transport number | 15837 | | |
| Serial number | W12999 | | |
| Part number | 1021571 | | |
| Description | eBird? SmartWing | | |
| Created date | 2016-10-20 00:00:00 | | |
| Status | Closed | | |
| Line number | 199 | | |
| FROM CONTRACT | TO CONTRACT | FROM LOCATION | TO LOCATION |
| ATS | ATS | NOBGO-OUT | ATS-3-3298-EBWRK |

| | | | |
|-------------------------|---------------------|-----------------------|-------------|
| Transport number | 15174 | | |
| Serial number | W12999 | | |
| Part number | 1021571 | | |
| Description | eBird? SmartWing | | |
| Created date | 2016-08-29 00:00:00 | | |
| Status | Closed | | |
| Line number | 6 | | |
| FROM CONTRACT | TO CONTRACT | FROM LOCATION | TO LOCATION |
| HQ | ATS | PGS-WAREHOUSE-1-E-3-3 | NOBGO-OUT |



QR code

Scan interval :4.0 seconds

Records : from 0 to 62

Time window : from 0.0s to 248.0 s

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The QR code contains the following informations

S/N:W12999

PART_NO: 1021571

ALTERNATE_ID: 5365406

Status: Pass

- Voltage value : Severity=1

