eBirdSoft Report W23017

Simulation : False
Vessel   : Ranform Atlas
Date   : Tue May 16 21:27:10 2017
Author   : Berenguer Yoann
Version   : beta 1.01   Page :1

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 algorithme

IFS status

- IFS statistics
- Previous fault report(s)

Wing prognostics

Quality control
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Current QC

Maximum current: 48.0 mA   ✔   Wing has been charging

Minimum current: -76.0 mA   ℹ️

Average current: -9.63 mA   ℹ️

Current variation: 124.0 mA   ℹ️

Charging capacity: -298.86 mA/H   ⚠️   Wing is depleting.Investigate flags and duty cycle

Voltage QC

Maximum voltage: 14.9 v   ✔

Minimum voltage: 14.9 v   ✔

Average voltage: 14.9 v   ✖   Cannot be used in production.

Voltage variation: 0.0 v   ✔

Duty cycle QC

Maximum duty cycle: 88 %   ℹ️

Minimum duty cycle: 0 %   ℹ️

Average duty cycle: 38.53 %   ℹ️

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: 24.0 %   ✔

Minimum humidity: 20.0 %   ℹ️

Average humidity: 21.65 %   ✔

Temperature QC

Maximum Temperature: 38.4   ✔

Minimum Temperature: 37.9   ℹ️

Average Temperature: 37.98   ✔
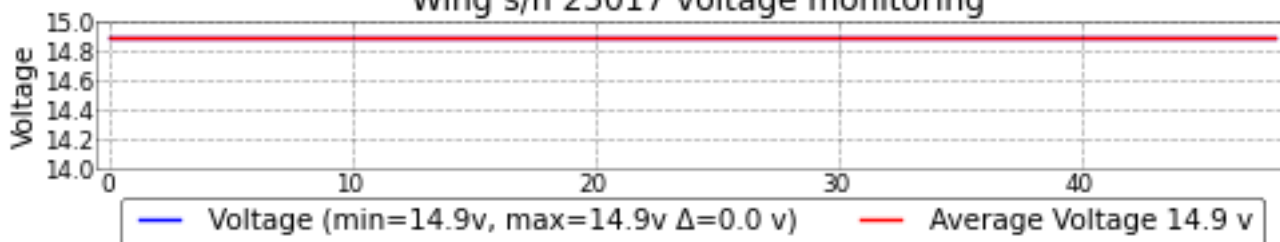
Plots display : Voltage, Current, Duty cycle
Scan interval :2.0 seconds
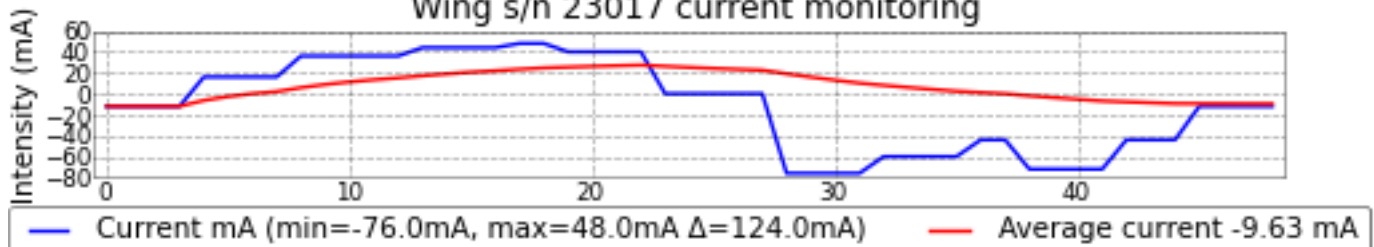Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Wing s/n 23017 voltage monitoring

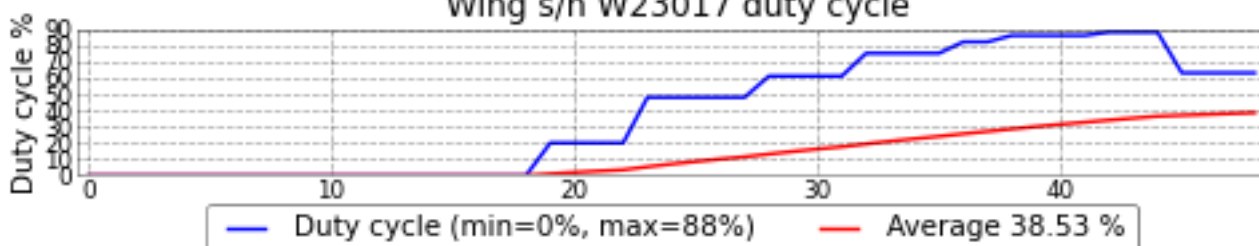— Voltage (min=14.9v, max=14.9v Δ=0.0 v) — Average Voltage 14.9 v

Voltage variation matrice

Wing s/n 23017 current monitoring

— Current mA (min=-76.0mA, max=48.0mA Δ=124.0mA) — Average current -9.63 mA

Average current matrice

Wing s/n W23017 duty cycle
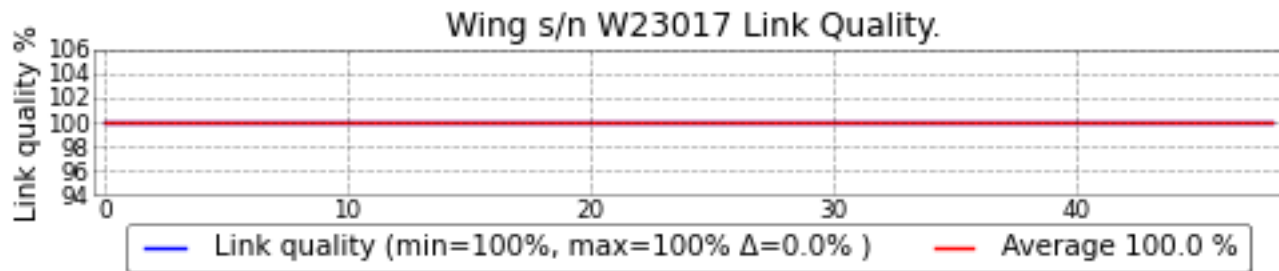
— Duty cycle (min=0%, max=88%) — Average 38.53 %

Duty cycle matrice

Plots display : LQ, Humidity, Temperature
Scan interval :2.0 seconds
Records : from 0 to 58
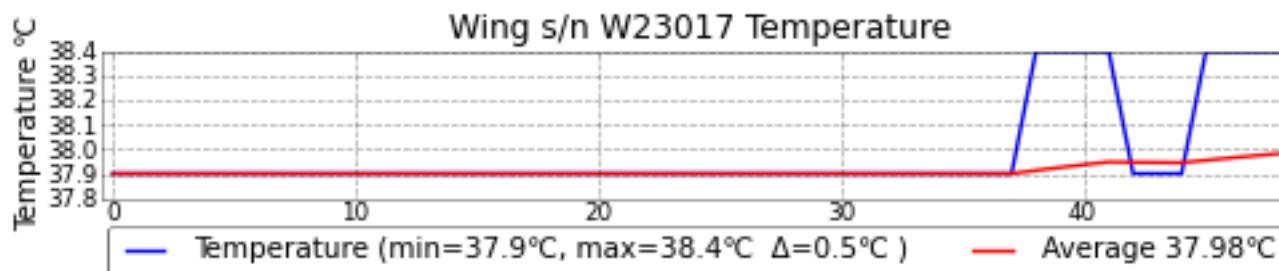Time window : from 0.0s to 116.0 s

Wing s/n W23017 Link Quality.

Link quality (min=100%, max=100% Δ=0.0%) — Average 100.0 %

Link quality matrice

Wing s/n W23017 humidity

humidity (min=20.0%, max=24.0% Δ=4.0%) — Average 21.65 %

Humidity matrice

Wing s/n W23017 Temperature

Temperature (min=37.9℃, max=38.4℃ Δ=0.5℃) — Average 37.98℃

Temperature matrice

![PGS logo]

Wing response signature test number : 807
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Wing response signature (s/n 23017) test number: 807
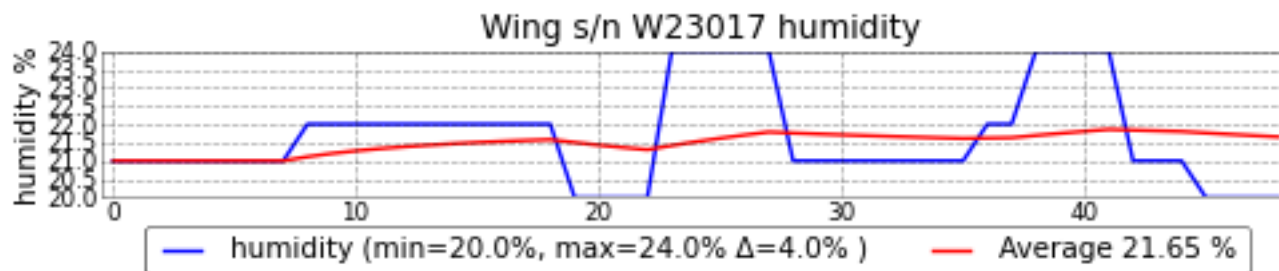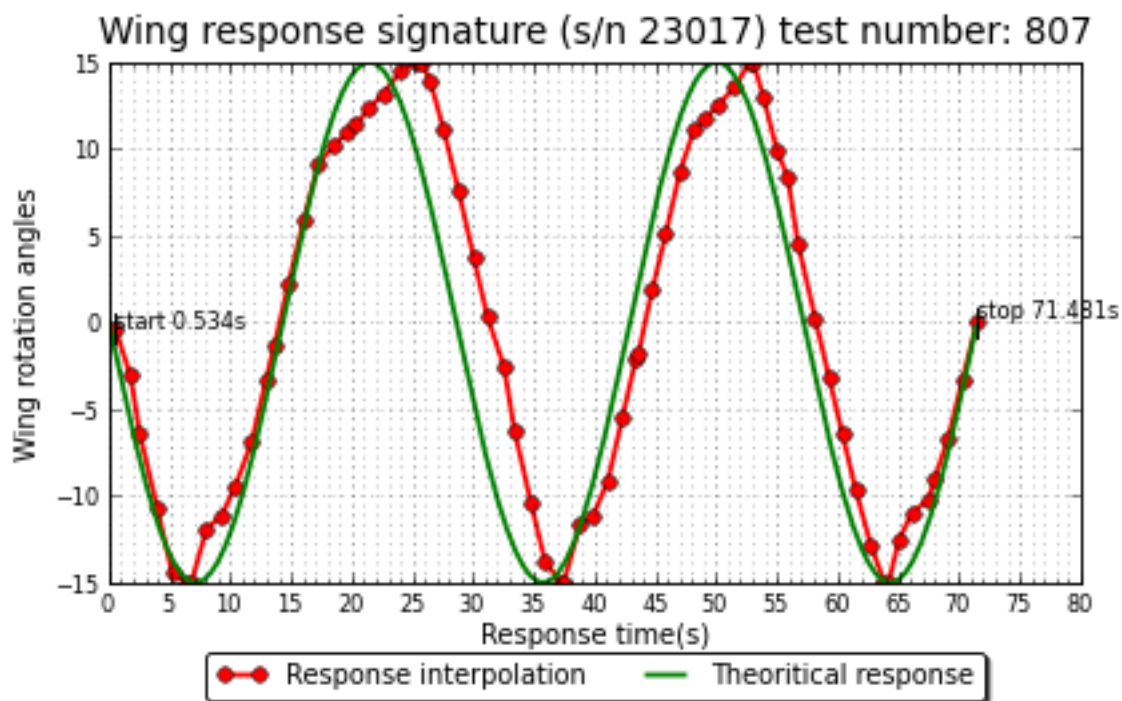
Best performance	Result average	Worst performance
71.481s	71.481s	71.481s

Pool average speed : 60.249 seconds

Speed (this test)   : 71.481 seconds   ⚠ Warning! motor speed is lower than average

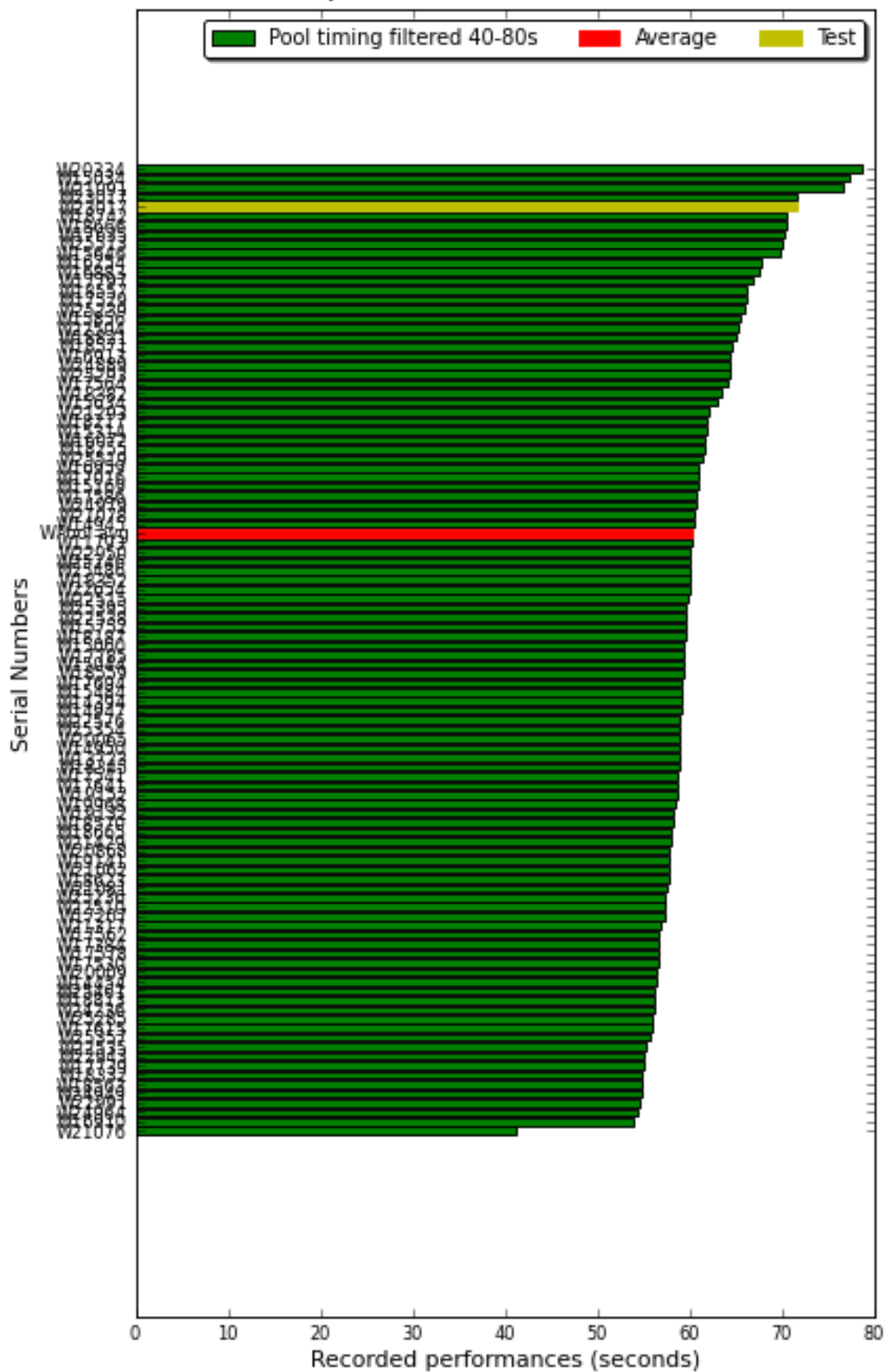Pool classement   : 99/102

TOP 10 pool performances versus test
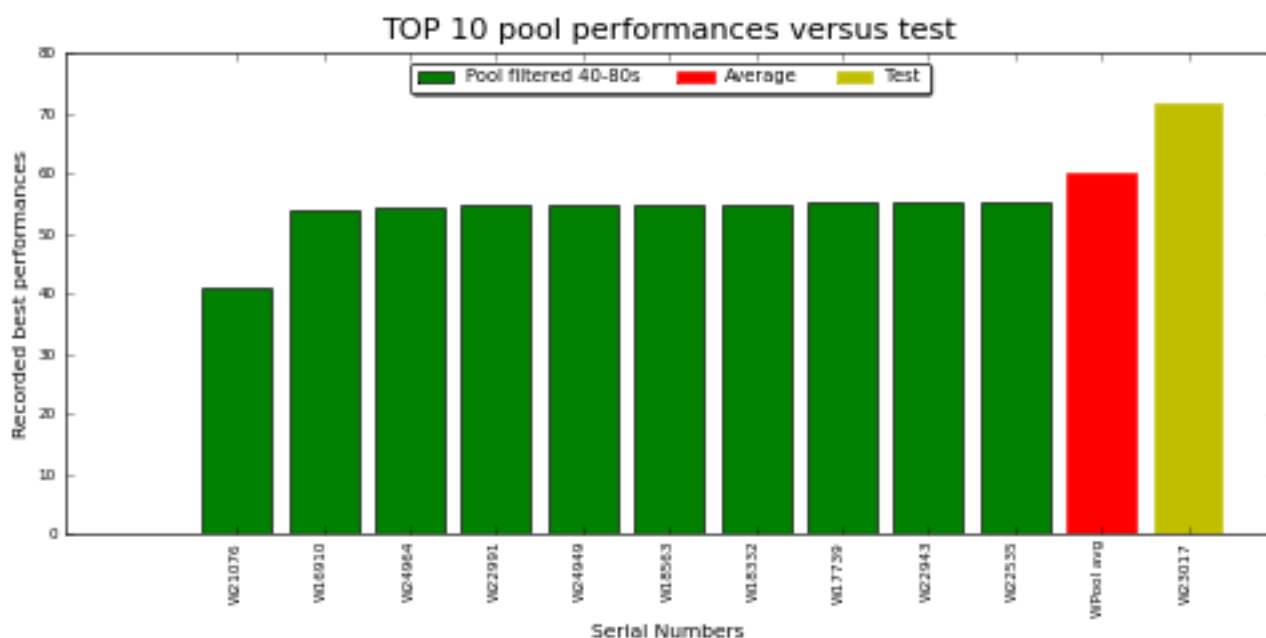
Signature plot recorded.
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Pool performances versus test

PGS

Wing flag statistics
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Communication status : Comm OK ✓

Operational status :   Op OK ✓

 Power deactivated   : 2.04%

 Power activated   : 97.96%

 Charge disabled   : 2.04%

 Charge enabled   : 97.96%

 Power NOT received : 2.04%

 Power received   : 97.96%

Element	Severity	Status
Element : - Not charging	Severity: 1	Notice
Element : - Voltage value	Severity: 4	Fail
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: 1	Notice
Element : - Operational flag	Severity: 0	Pass

Fail
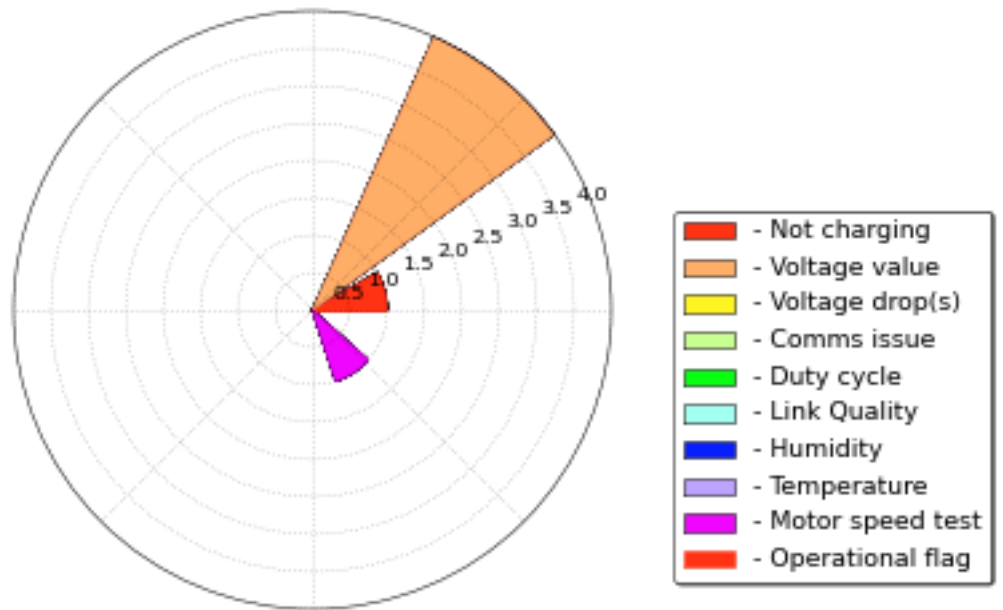
Prognostic graph & QR code
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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▇	- Not charging
▇	- Voltage value
▇	- Voltage drop(s)
▇	- Comms issue
▇	- Duty cycle
▇	- Link Quality
▇	- Humidity
▇	- Temperature
▇	- Motor speed test
▇	- Operational flag

IFS
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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Item found in IFS

Description	eBird? SmartWing
Vessel	ATS
Part number	1021571
Serial number	W23017
Alternate ID	5381870
Operational condition	Non Operational
Operational status	Not Applicable
Latest transaction	Moved to location ATS-3-3298-EBWRK at site ATS
Date created	2014-01-16 10:28:45
Date changed	2017-05-06 19:36:46

Active work order

WO number	62007886
WO status	Released
Vessel	ATS
Registration date	2017-05-10 12:45:28
Location	SOS
Description	eBird? SmartWing
Cause details	None
Directive	Motor stuck or broken shaft
Symptom	522 | Motor, axle, gearbox failure
Cause	None |
Error type	None
Discover code	40 | Equipment Malfunction
Origin code	23
Fault description	Need testing

Found : 3 historical work order(s)

Alternate ID	5381870
Location	SOS
WO number	62003428
WO status	FINISHED
Registration date	2016-03-27 07:17:53
Error description	Removed during deployment project 2015123 Colombia
Error details	Removed due to bad comms
Real_F date	2016-03-27 07:18:59
Origin code	23
Reported by	YOABER
Vessel	ATS

IFS report for s/n W23017
Scan interval :2.0 seconds
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Alternate ID	5381870
Location	SOS
WO number	62007834
WO status	FINISHED
Registration date	2017-05-06 19:35:15
Error description	Test onboard.
Error details	Reporting MotorStuck flag set.
Real_F date	2017-05-07 22:44:47
Origin code	23
Reported by	JORHEL
Vessel	ATS

Alternate ID	5381870
Location	SOS
WO number	62003428
WO status	FINISHED
Registration date	2016-03-27 07:17:53
Error description	Removed during deployment project 2015123 Colombia
Error details	Removed due to bad comms
Real_F date	2016-03-27 07:18:59
Origin code	23
Reported by	YOABER
Vessel	ATS

Found : 0 transport order(s)

QR code
Scan interval :2.0 seconds
Records : from 0 to 58
Time window : from 0.0s to 116.0 s

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The QR code contains the following informations

S/N:W23017
PART_NO: 1021571
ALTERNATE_ID: 5381870
Status: Fail
- Not charging : Severity=1
- Voltage value : Severity=4
- Motor speed test : Severity=1