

RESET 15N, M (Apr/May 2002)

Proposed dates at Nauru: 15Apr to 26Apr, 2002

Proposed dates at Manus: 29Apr to 10May, 2002

Nauru shipping items to be at SGP by 22Mar and shipped from SGP by 26Mar
Manus shipping items to be at SGP by 27Mar and shipped from SGP by 29Mar

RESET Team:

- Glowacki
- Culgan (1 ½ week behind Glowacki)

Nauru tasks:

1. Repair AERI hatch
2. WSI software upgrade from Tooman
3. WSI night pollution shade work
4. WSI occulor adjustment
5. Empty all gas bottles to be sent back and officially label "empty" for shipment
6. Remove MFRSR level bubble.
7. Remove NET from Grndrad stand.
8. Install hose and manual pump for new Diesel tank
9. Laptop configuration inventory
10. Wire Outside phone ringer.
11. I-Van UPS diagnostics.
12. Clean out storage vans.
13. Routine Maintenance tasks (see below)
 - **ACCESS/SAM Laptop**
Change Out APC Office UPS
 - **AERI maintenance list (on CD of RESET Manual)**
Actuate Hatch Sensor with Moisture/Check Hatch Operation Visually
Clean Out Air Intake and Coarse Filter
Inspect Blower Belt
Clean Mirror
Change AC Filters
 - **BBSS**
Change-Out UPS Batteries
Inspect bolts holding Antenna to Van
 - **Ceilometer**
Inspect Glass/Check for Nests
 - **CIMEL**
Check Battery Voltage
Change out belt
 - **Diesel Generator**
Test generator 12v batteries with Hydrometer
Check diesel tank fuel gage operation
Change out Fuel Tank Gage
Change out Fuel Gage Cover
 - **Dataloggers**
Pressure Check
 - **H2 Generator: tri-annually (Culgan)**
Change out sensor cell in Gas Analyzer

- Check water level in storage tank
 - Change out internal battery in Gas Analyzer
 - Change out Velcro Strap Sonde Retainer in RBL
- **HVAC - Change out all ac unit filters(Capellies)**
- **IRT**
 - Corrosion Check
 - Shutter Check
 - Check Lens
- **MFRSR**
 - Check Level
 - Check Alignment N-S
 - Change out Head and perform head comparison calibration
- **MMCR maintenance list(on CD of RESET Manual)**
 - Check operation of 12VDC Fan for Lotech MUX 488/64
 - Check Operation of Antenna Heater Element
 - Check operation of Antenna Heater Blower
 - Check Radome Fabric
 - Clean Receiver/modulator Interface
 - Clean Computer filters (foam)
 - Check Antenna Heater, Inlet, port Viewing Window
 - Check Radian Receiver Fan and Clean Filter
 - Check TWT inline desiccant
 - Clean TWT Amplifier Air Filter
 - Clean 4mm Tape Drives
 - Change out Antenna Heater Filters
 - Change out Fan for Radian Receiver, 12VDC
 - Change out TWTA Desiccant
- **MPL**
 - Clean Top Glass 4 months
 - Check Shade and Mechanism
- **MWR**
 - Rust Checks on Mounting Bolts
 - Check Teflon Window Condition
 - Check Fan Screen for Reduced Air Flow
 - Check Heater Operation
 - Check Instrument for Level
 - Moisture Sensor Adjust
- **NIP**
 - Visual Check
- **Phone Mgr**
 - Phone Mgr:
 - Check Setup
- **Pickup Truck**
 - Inspect Vehicle for Damage
 - Inspect for Rust
- **PIR/PSP**
 - Check Ventilator Operation and Screen
- **Sat Phone**
 - Check antenna and connections for rust
- **SMET**
 - Visually Check Tower for Animal Nests on Anemometer
 - Check TRH Fan for operation
 - Drop Tower and Check Anemometer
 - Check ORG mounting pipe for rusting

- Tracker, K&Z
 - Grease (use Aero Shell #17 grease) Azimuth & Zenith worm gear drives.
- Vans
 - Inspect Vans for Rust
 - Check Dehumidifier Operation/draining
 - Change out CO sensing module
- WSI
 - manual maintenance
 - Check Coolant Flow
 - Check for Cloudy Coolant in lines
 - Check for Corrosion
 - Check both Sealants to Verify Seal 4 months
 - Check metal filter in blue box
 - Check to See If N2 Charge Is Needed
 - Check heater operation
 - Oil the coolant pump Bearings
 - Service AC's on White and Blue Boxes
 - Change Out Desiccant Cylinder in White Box
 - Change Out ARC Drive
 - Change out metal screen filter in White Box
 - Calibrate Occultor
 - Calibrate Electronic Stops and Limit Switches
 - Verify settings after maintenance (FS=2.8, Focus = infinity)

14. Observer training

15. H2 Generator maintenance: tri-annually(Culgan)

16. Talk to car dealer to find out how/how much to "lease" a vehicle

17. Ship back equipment

18. Audit out

- Spares inventory(Maestas directed)
- UPS inventory(Apple form)

NIES tasks:

1. Do NOT move TSI to new stand
2. Ventilator fuse mods like ARCS-2

Lower Priority, Possibly postpone to RESET-17N

1. Install TSI stand
2. Move TSI to stand
3. Switch radiometers on tracker to be PIR/BW/PIR
4. Install CIMEL lines in flex conduit.
5. AC Unit walk-thru and refig ambient control bypass switch bad(w/Capelles)
6. BBSS Antenna earthing connector replacement(Glowacki).
7. Emergency Generator Maintenance (Hastings/Deering)
8. Investigate Genset water leak

Manus tasks:

1. Replace MPL shade assembly
2. I-Van water leak repair
3. X-Van water leak repair
4. Fix Outfitter SAT phones
5. WSI software upgrade from Tooman
6. WSI night pollution shade work
7. WSI occulor adjustment
8. Remove MFRSR level bubble.
9. Remove NET from Grndrad stand.
10. Install Fiber Optics for Ceilometer, MWR
11. Install Zeno logger caps (Observers)
12. Laptop configuration inventory
13. Wire outside phone ringer
14. Get Pearse Laptop/email working.
15. Install hose and hand pump for new Diesel tank
16. Mark up ARCS-1 drawing book.
17. Site power load map, balancing, esp Phase A.
18. Safety Inspection checklist items
 - assemble new skyrad stand stairs for both stands.
19. Routine Maintenance tasks (see below)
 - **BBSS**
 - Change-Out UPS Batteries
 - Inspect bolts holding Antenna to Van
 - Inspect Exterior Cables Going to Antenna
 - **Ceilometer**
 - Inspect Glass/Check for Nests
 - **Dataloggers**
 - Pressure check
 - **Diesel Generator**
 - Test generator 12v batteries with Hydrometer
 - Check diesel tank fuel gage operation
 - Change out Fuel Tank Gage
 - Change out Fuel Gage Cover
 - **H2 Generator maintenance: Tri-annually (Culgan)**
 - Change out sensor cell in Gas Analyzer
 - Check water level in storage tank
 - Change out internal battery in Gas Analyzer
 - Change out Velcro Strap Sonde Retainer in RBL
 - **HVAC**
 - Change out all ac unit filters
 - **IRT**
 - Corrosion Check
 - Shutter Check
 - Check Lens
 - **MFRSR**
 - Check Level
 - Check Alignment N-S
 - **MMCR maintenance list(on CD of RESET Manual)**

Check operation of 12VDC Fan for Lotech MUX 488/64
Check Operation of Antenna Heater Element
Check operation of Antenna Heater Blower
Check Radome Fabric
Clean Receiver/modulator Interface
Clean Computer filters (foam)
Check Antenna Heater, Inlet, port Viewing Window
Check Radian Receiver Fan and Clean Filter
Check TWT inline desiccant
Clean TWT Amplifier Air Filter
Clean 4mm Tape Drives
Change out Antenna Heater Filters
Change out Fan for Radian Receiver, 12VDC
Change out TWTA Desiccant

- **MWR**

Rust Checks on Mounting Bolts
Replace Teflon Window
Change out heater/fan assembly
Check air flow
Check Heater Operation
Check Instrument for Level
Moisture Sensor Adjust

- **NIP**

Visual Check

- **Phone Mgr**

Phone Mgr:
Check Setup

- **PIR/PSP**

Check Ventilator Operation and Screen

- **Sat Phone**

Check antenna and connections for rust

- **SMET**

Visually Check Tower for Animal Nests on Anemometer
Check TRH Fan for operation
Drop Tower and Check Anemometer
Check ORG mounting pipe for rusting

- **Power**

Water Level Check in Logger Box Batteries (Outside E-van)

- **Tracker, K&Z**

Grease (use Aero Shell #17 grease) Azimuth & Zenith worm gear drives.

- **Vans**

Inspect Vans for Rust
Check Dehumidifier Operation/draining
Change out CO sensing module
Install dehumidifier in U-van work room
Change out CO/Smoke Alarm Batteries - 9V

- **WSI - manual maintenance and address corroded filter on outside box.**

manual maintenance
Check Coolant Flow
Check for Cloudy Coolant in lines
Check for Corrosion
Check both Sealants to Verify Seal 4 months
Check to See If N2 Charge Is Needed
Check metal filter in Blue Box
Check heater operation

Oil the coolant pump Bearings
Service AC's on White and Blue Boxes
Change Out Desiccant Cylinder in White Box
Change out metal screen filter in White Box
Change out Dehumidifier Anti-Corrision Cartridge
Calibrate Occultor
Calibrate Electronic Stops and Limit Switches
Verify settings after maintenance (FS=2.8, Focus = infinity)

20. Observer training

21. Secure MPL telescope.

22. H2 Generator maintenance: tri-annually(Culgan)

23. Talk to car dealer/car hire to find out how/how much to "lease" a vehicle

24. Ship back equipment

25. Audit out

- Spares inventory(Maestas directed)
- UPS inventory(Apple form)

Lower Priority, Possibly postpone to RESET-17M

1. Install TSI stand
2. Install new MFRSR head??
3. I-Van temp sensor replacement
4. Check U-Van (Genset side & workside) humidity sensor.
5. Emergency Generator Maintenance (Hastings/Deering)
6. AC Unit walk-thru and refrig ambient control bypass switch bad