

## **RESET 10M,10N (March – April 2000)**

Routine: Calibration at Manus

Non-routine: misc. maintenance, training at Nauru

Leave USA: 22Mar00

Proposed dates at Manus: 26Mar – 07Apr00

Proposed dates at Nauru: 10Apr – 21Apr00

Drop dead date for shipping receiving at ATOSS: 28Feb00

Ship date: 03Mar00

RESET Team:

- Helsel - Lead
- Kornke – Daily Reporting
- Porch (Manus only) – Calibration Lead

### **Manus Tasks – 10M**

1. Calibration:
  - Configuration upload from BBSS, MWR, Ceilometer, Loggers, etc. before starting.
  - Instrument Calibration (MWR, Ceil, MPL, T/RH, Anemometer, ORG,Zeno Loggers).
  - Instrument change out (NET, Radiometers).
  - Comparison testing (Radiometers-before/after,MFRSR-next trip)
  - Comparison of two additional PIRs.
  - Comparison using 3 NIPs instead of Cavity?
2. Correct Anemometer configuration.
3. Repair EVE (memory, mother board, total changeout)
4. WSI Maintenance:
  - WSI Weekly procedure (Observer's Manual).
  - WSI Monthly procedure (Observer's Manual).
  - Reseal Arc drive cover (w/RTV).
  - Replace WSI dehumidifier anti-corrosion cartridge.
  - Replace WSI desiccant.
  - Check Dome for marks, damage.
5. DC power upgrade - Phase I (Phase II at RESET-11).
6. Train Observers (Windows, phone manager, emergency shut offs, Digicora manual entry, BB light timer).
7. Phone "Manager" box installation – Kornke.
8. Post "Use ONLY for fire or emergency" signs.
9. Balloon Barn light timer installation.
10. RBL Light repair.
11. Artecon Patch.
12. Grid Power Supply diagnostics (balance AC loads?).
13. Check Ceilometer firmware version number.
14. Laptop/PC audit
15. Lightning protection upgrade:
  - Install Anemometer lightning protection surge arrestors.
  - Install bottle brush disipator atop SMET tower.

- Install ground rods.
  - Cad-weld cable.
  - Connect so that all Vans have same potential.
  - Replace copper data line with fiber.
  - Install 3" conduit for future upgrades.
16. Install proper WSI Power Feed – Kornke.
  17. Remove old ADaM equipment from storage and “recycle”.(ADaM, EVE, Rack, hubs, linebacker, etc.).
  18. Send SDL MAC to ATOSS.
  19. Genset maintenance with Hastings Deering (Raycore filters, test for water).
  20. Re-label logger connectors.
  21. Local School Visit (Ecom HS-Balloon Launching).
  22. Change fax machine name from “Zirzow” to “ARCS-1”.
  23. Supply shelf organization, inventory, bar-coding.
  24. Audit In/Out (include configuration download) – Porch w/Observers
  25. Retag faded labels during Audit-out.
  26. Hand carry Label maker to Nauru from Manus.

### **Nauru Tasks – 10N**

1. WSI arc drive replacement (w/heater changeout).
2. WSI Maintenance:
  - WSI Weekly procedure (Observer’s Manual).
  - WSI Monthly procedure (Observer’s Manual).
  - Replace WSI dehumidifier anti-corrosion cartridge.
  - Replace WSI desiccant.
  - Check Dome for marks.
  - Check WSI heater with temperature probe.
3. Artecon Patch.
4. Post “Use ONLY for fire or emergency” signs.
5. Train Observers (MTI, Windows, Phone Manager, Emergency shut offs Digicora manual entry).
6. Cimel head and control box swap to update calibration.
7. Install new EMWIN UPS.
8. Laptop/PC audit.
9. AERI Hatch diagnostics and lubrication (w/Flynn procedure).
10. Diesel Generator maintenance by NPC (Tim at NPC, 444-3751/2, 555-4062).
11. Diesel Generator fuel line repair (replace raycore tops).
12. I-Van UPS diagnostics and Inverter Module change out (balance AC loads?).
13. Local School Visit (HS-Balloon Launching).
14. Install proper WSI Power Feed – Kornke.
15. Phone “Manager” box installation – Kornke.
16. Re-label logger connectors.
17. Remove old ADaM equipment from storage (ADaM, EVE, Rack, hubs, X-terminals, PCs w/monitors, HP printer, tape drives, fans, filters, etc.).
18. Start installation of portable Met station at High School.
19. Ship back fiber kit, SDL laptop.

20. Ship SDL MAC to ATOSS.
21. Supply shelf organization, inventory, bar-coding.
22. Check IRT rain sensor.
23. Install external phone ringer.
24. Fix SMET anemometer cable connection to be convenient.
25. Move GOES H&S antenna (BBSS interference) to pole between Vans to eliminate BBSS interference.
26. Audit In/Out (include configuration download) – Observers.
27. Retag faded labels during Audit-out.