

## **RESET-5M & 5N**

### **Team:**

#### MANUS

- Malone (Lead, daily reporting) – 1<sup>st</sup> and 2<sup>nd</sup> week
- Porch – 1<sup>st</sup> and 2<sup>nd</sup> week
- Helsel – 1<sup>st</sup> week

#### NAURU

- Helsel (Lead, daily reporting) – 2<sup>nd</sup> and 3<sup>rd</sup> week
- Maxfield – 2<sup>nd</sup> week
- Malone – 3<sup>rd</sup> week

### **Dates:**

Leave US:	2/22/99
Arrive at Manus:	2/25/99
Helsel departs Manus:	3/5/99
Helsel arrives at Nauru:	3/8/99
Malone, Porch depart Manus:	3/12/99
Malone arrives at Nauru:	3/15/99
Malone, Helsel depart Nauru:	3/19/99

Latest ship date: 1/27/99

### **Tasks:**

#### MANUS

1. Generator tank mods..... Helsel
  - Bypass day tank
  - Install new external tank float
  - Vent external tank
2. Generator mods..... Helsel
  - Verify settings on transfer switch
  - Add oil temp gage
3. ADaM/EVE..... Malone
  - Tape drive rotation, cleaning
  - Sync up AdaM and EVE
  - Troubleshoot failover problem
  - Train Helsel to back up AdaM/EVE & Sync ADaM/EVE
4. Calibration..... Porch
  - Calibrate everything in the PRO(CAL)-001.001
  - Calibrate PSP, PIR, IRT, NIP?, MFRSR Board?, Ceilometer, MOL(overlap), MWR?, T/RH, ORG, Anemometers, Loggers (SMET, SKYRD, GRNRD, CAL).
6. Instrument Change-out..... Porch
  - Radiometers (PSP, PIR, MFRSR?) - those on the stand and the spares.
  - Return replaced radiometers to states
  - Replace anemometers?

7. Comparison Testing.....Porch
  - MFRSR Langleys (if clear sky) - NEED PROCEDURE
  - Radiometers(PSP, PIR)
  - NIP (only with Cavity Radiometer?)
  - NET
  - Barometer
8. Inspect H2 Generator.....Helsel
  - 3 phase power, etc.
9. Install Brusag leveling plate.....Helsel
10. Monitor NIP alignment.....Helsel
11. Monitor MPL condensation.....Helsel
12. SDL computer/ software upgrade?.....Malone
13. Update Daily rounds in Manual.....Malone
14. Instrument semiannual maintenance.....Malone
  - WSI
15. Go to bank for signature authority.....Malone, Helsel
16. Software Y2K compliance check.....Malone
17. Install new MFRSR head.....Helsel
  - New logger board
18. MWR.....Helsel
  - Heater repair
  - Upgrade software
  - AdaM ingest software upgrade(tip mode)
19. Measure site layout for balloon launching and new Van power... Helsel
20. Ask Observers about extra sonde usage (>1 per day?).....Malone
21. E-Van AC unit repair.....Helsel
22. Trouble shoot and repair Inmarsat C.....Malone
23. Y2K check of computers.....Malone
24. Audit out.....Malone
  - Tool inventory
  - Instrument inventory
  - Spares inventory
  - Fluke at Manus?
  - MWR fan/heater unit?
  - Survey kit?

#### NAURU

1. Train new observer to Rounds.....Helsel
2. Train others on new stuff.....Helsel
3. H2 Generator mods.....Maxfield
4. H2 Generator routine maintenance.....Maxfield, Helsel
5. Generator tank mods.....Helsel
  - Change hoses
6. Generator.....Helsel
  - Add temp and pressure gage

- 7. AdaM/EVE.....Helsel
  - Sync up AdaM/EVE
  - Backup AdaM/EVE
- 8. MMCR action..... Helsel
  - Install warning signs
  - Repair interface module
  - Check antenna fabric
  - Receive spare antenna fabric
- 9. WSI.....Helsel
  - Fix occulter arm
  - Maintenance
- 10. SDL software upgrade..... Helsel
- 11. Update Daily Rounds checklists in Manual..... Helsel
- 12. Check Skyrd power dist box for corrosion..... Helsel
- 13. MPL shade compressor replacement..... Helsel
- 14. Inmarsat B troubleshooting..... Helsel
- 15. Receive spare SMET logger..... Helsel
- 16. Replace GOES computer battery..... Helsel
  - Lexon like Ceilometer computer
- 17. MWR computer upgrade
- 18. Check phones
- 19. Work on modem
- 20. Train Observers on Eudora
- 21. Upgrade BBSS w/new firmware
- 22. Topside Nauru recon
- 23. Label H2 and N2 bottles
- 24. Y2K test on all computers
- 25. Put printer on-line to AdaM(na w/Inmarsat B)
- 26. Backup Observer computer
- 27. U-Van electrical meter/transformer meter check?
- 28. Audit out..... Helsel