**RESET 12N, 12M (October 2000)**
Proposed dates at Nauru: 16Oct – 27Oct00
Proposed dates at Manus: 29Oct – 10(or possibly 17)Nov00

Shipping items to ATOSS for Nauru by 15Sep
Shipping items to ATOSS for Manus by 25Sep

RESET Team:
- Morrison
- Kornke
- Yellowhorse
- Hatfield (Manus only)

**<u>Nauru Tasks:</u>**

**High priority:**
1. Install Outfitter's Inmarsat B Unit (Morrison)
2. Install modem line surge arrestors (Morrison)
3. Mount CD on ADaM for Eagan remote IOS and zenocom upgrade (Morrison)
4. Terminal Server Flash & RAM Memory upgrade (Morrison)
5. UPS change out (Kornke, Yellowhorse)
6. Drawing book checking, redmark (Kornke, Morrison, Yellowhorse)
7. MPL changeout – handcarry documents (Morrison, Yellowhorse)
8. Laptop replacement (new BBSS, GOES, and Spare), CPCC upgrades (Morrison)
9. Routine Maintenance tasks (see below)
10. Observer training: a) Newer sondes will have humidity sensor cap that needs to be removed when used, b) clean rad domes at 10am daily, c) Outfitters Inmarsat B use, d) digital camera use, e) CD Procedure access, f) He Cylinder handling
11. H2 Generator maintenance: tri-annually (BOM)
12. Install new Emergency Generator controller board (Kornke)
13. Fix SMET anemometer cable connection (Kornke)
14. Redo phone system as per US standards (Kornke)
15. Check MFRSR Cable connection to head, reconnect (Kornke)
16. Replace D-Van Bard AC Unit parts (Local service provider)
17. CIMEL troubleshooting (Morrison)
18. Mark anemometer alignment clearly on stand (Kornke)
19. Ship back equipment (File server backup disc, old laptops, redmarked drawing books, etc.) and handcarry spare ADaM backup tape blanks to Manus (Yellowhorse)
20. Audit out (Yellowhorse)

**Low priority:**
21. WSI outside box corroded AC unit replacement (Morrison)
22. Install florescent light bulbs in existing sockets (Yellowhorse)

23. Commission building stairs on spare Skyrad stand (Yellowhorse)
24. Throw away all Observer, Troubleshooting and RESET Manuals (Yellowhorse)

**Routine maintenance tasks:**
- Backup of the file server – 2 copies (RAID/Artecon) (Morrison)
- Replace Bard AC Filters (Yellowhorse and locals)
- Test generator 12v batteries with Hydrometer (Yellowhorse)
- Check diesel fuel level gage (Yellowhorse)
- Change out sensor cell in Gas Analyzer for H2 Generator (BOM)
- Change out velcro strap sonde retainer (BOM)
- Change out Netrad Domes (Yellowhorse w/Observers)
- Replace all smoke alarm batteries and CO units (Yellowhorse)
- Check Coolant pump bearings on WSI (Morrison)
- Replace metal screen filters in WSI Blue Box (Morrison)
- Apply silicon to hinge parts of Tracker Shading Arm (Kornke)
- MMCR maintenance list (on CD of RESET Manual)
- AERI maintenance list (on CD of RESET Manual)

**RESET-12N preparation:**
- H2 Generator Maintenance – Contract Australian BOM for next trip (Jones)
- General Maintenance
- Replace velcro strap sonde retainer in RBL
- Laptop replacement
- PCCC from Flynn (Morrison)
- Determine which PCs go where (Morrison)
- Property transfer documents (Jones, Straub)
- WSI AC unit replacement – contract MPL (Morrison)
- Install Outfitter's Inmarsat B Unit at ATOSS for training, Testing, Observer procedure (Hatfield)
- **Ask Eagan about Zenocom upgrade? (Jones)**
- **Get sample of new Sonde sensors w/caps from Zirzow (Jones)**

**Tasks for next RESET trip:**
- Change out all ventilator fans/screens. Spares were done during Calibration trip.
- Radiometer (Grnrad & Skyrad) stand corroded hardware replacement, upgrade, shimming, and leveling. The aluminum/stainless steel interface is particularly bad. I suggest silicon bronze. (Kornke)
- Recommend radiometer ventilator internal fuses be removed when doing future maintenance since power distribution box provides circuit protection. (Kornke)
- Recommend a complete ventilator hardware upgrade to silicon bronze because most of the adjusting screws are corroded and seized. (Kornke)
- New phone line installation (Kornke)

- Retag faded labels
- ADaM upgrade (Helsel w/Koontz remotely) (1@2d) – **test at ATOSS**
- Replace at least 2 Van AC units and plan for 2 replacement each trip – **Apple purchase**
- SMET and Spare SMET DAQ Calibration – **do this on next Calibration visit**
- Install local Florescent Light Fixtures in all vans
- Calibrate Barometer in SMET DAQ

## Manus Tasks:

**High priority:**
1. Install Outfitter's Inmarsat B Unit (Hatfield)
2. Replace modem with Telebit modem at site, install modem line surge arrestors, (Hatfield)
3. Access upgrade – handcarry documents (Kornke)
4. WSI ACP/Arc Drive repair (Morrison)
5. WSI outside box corroded AC unit replacement (Morrison)
6. Drawing book checking, redmark (Kornke, Morrison, Yellowhorse)
7. Laptop replacement (BBSS, GOES, and Spare), CPCC upgrades (Morrison)
8. Routine Maintenance tasks (see below)
9. Observer training: a) Newer sondes will have humidity sensor cap that needs to be removed when used, b) clean rad domes at 10am daily, c) Outfitters Inmarsat B use, d) digital camera use, e) He Cylinder handling
10. H2 Generator maintenance: tri-annually (BOM)
11. H2 Generator/RBL Observer training (BOM)
12. Check DCP unit (Yellowhorse).
13. Mount CD on ADaM for Eagan remote IOS and zenocom upgrade (Morrison).
14. Terminal Server Flash & RAM Memory upgrade config from Eagan. (Morrison)
15. Emergency Generator Mods (fuel/oil gage replacement/tilt tank,repaint top) (Yellowhorse)
16. Emergency Generator Maintenance (Hastings/Deering)
17. Repair Skyrad Logger can seal, fill with dessicant, repressurize (Kornke)
18. Verify GOES power supply to big battery on D-Van (Kornke).
19. Remove old I-Van power supply that was part of old DC system (Kornke).
20. Coordinate the installation of strapping for all Helium cylinders (Yellowhorse)
21. Ship back equipment (File server backup disc, replaced laptops, redmarked drawing books, old modem pack, etc.) (Yellowhorse)
22. Audit out

**Low priority:**
23. Redo phone system as per US standards (Kornke)
24. Possibly replace Terminal Server, possibly configure satellite phone to dial-in connection to Term Server AUX port (Hatfield)
25. Remove of the S.S. Sky stand power distribution box and install an aluminum box (Yellowhorse).
26. Install florescent light bulbs in existing sockets (Yellwowhorse)
27. New overhead phone line installation from airport to site (Telkom)
28. Install Seacon plugs on unused logger can terminals (Yellowhorse)
29. Replace UVB (Kornke)
30. Throw away all Observer, Troubleshooting and RESET Manuals (Yellowhorse)
31. Mark anemometer alignment clearly on stand (Kornke)

**Routine maintenance tasks:**
- Backup of the file server (RAID/Artecon) – 2 copies (Morrison)
- Test generator 12v batteries with Hydrometer (Yellowhorse)
- Change all AC unit filters (Yellowhorse w/locals)
- Change out Gas Analyzer Sensor Cell (BOM)
- Change out Velcro Strap Sonde Retainer (BOM)
- Perform all MMCR maintenance checks (on CD of RESET Manual) (Yellowhorse)
- Apply silicon to hinge parts of Tracker Shading Arm (Kornke)
- Replace all smoke alarm batteries and CO units (Yellowhorse)
- Check WSI coolant pump bearings (Morrison)
- Replace metal screen filter in WSI Blue Box (Morrison)

**RESET-12M preparation:**
- Set up and test ACCESS at ATOSS – done
- H2 Generator Maintenance - Contact Australian BOM for next trip (Jones) – done
- General maintenance
- Replace velcro strap sonde retainer in RBL
- Laptop replacement - done
- PCCC from Flynn (Morrison)
- Determine which PCs go where (Morrison)
- Property transfer documents (Jones, Straub)
- WSI repairs – done
- Pack ARCS-3 ACP for shipment (Morrison)
- Get Arc drive – contact MPL (Morrison)
- Get AC unit replacement – contact MPL (Morrison)
- Install Outfitter's Inmarsat B Unit at ATOSS for training, Testing, Observer procedure (Hatfield) – done
- Emergency Generator Mods – get fiberglass for tank and tilting kit (Apple) – done
- Emergency Generator Mods – new tank options (Ivey/Acala) – done
- Emergency Generator Maintenance – Hastings  Deering (Meyer)
- ***Ask Eagan – replace Terminal Server? (Jones) – done***
- ***Get POM ISP passwords to RESET Members (Jones) – done***
- ***Get sample of new Sonde sensors w/caps from Zirzow (Jones) – done***
- ***Prepare ACCESS upgrade shutdown plan.***


Tasks for future RESET Trip:
- ADaM upgrade (Helsel w/Koontz remotely) (1@2d) – **test at ATOSS**
- Upgrade ADaM with MMCR shutdown scripts (remotely by Koontz)
- Replace at least 2 Van AC units and plan for 2 replacement each trip – **Apple purchase**

- Replace diesel tank, top corroded (Kornke)
- Radiometer (Grnrad & Skyrad) stand corroded hardware replacement, upgrade, shimming, and leveling. The aluminum/stainless steel interface is particularly bad. I suggest silicon bronze. (Kornke)
- Recommend radiometer ventillator internal fuses be removed when doing future maintenance since power distribution box provides circuit protection. (Kornke)
- Recommend a complete ventilator hardware upgrade to silicon bronze because most of the adjusting screws are corroded and seized. (Kornke)
- Radiometer changeout, comparison – ask Porch/Cornwall (Kornke)
- PIR swap (Porch?)
- Commission building stairs on spare Skyrad stand (Helsel)
- Change out Diesel Fuel Gage **(Apple needs to procure)**
- Replace Anemometer for Sparce at ECOM High School **(Decision from Clements/Barnes?)**