

RESET 14M,N(Oct/Nov 2001)

Proposed dates at Manus: 15Oct to 26Oct

Proposed dates at Nauru: 29Oct to 09Nov

Shipping items to SGP for Manus by 06Sep

Shipping items to SGP for Nauru by 27Sep

RESET Team:

- Kornke
- Porch
- Pearson
- Culgan
- Glowacki
- Long(NIES at Nauru only)
- Widener(NIES at Nauru only)
- Ayers or Moran(Manus only)?

Manus tasks:

1. Train new BOM technicians on Calibration(Porch)
2. Install MPL transceiver(Kornke)
3. Install repaired MMCR TWT –power problem(Ayers/Kornke).
4. Calibrate MMCR (Ayers/Porch)
5. Replace IRT shutter (Kornke)
6. Modify Rad Logger Real-time display (Porch)
7. General Instrument Calibration (Porch)
8. Radiometer Comparison testing(Porch)
9. Radiometer changeout(Porch).
10. Replace MFRSR head(Porch).
11. Replace Net Rad assembly(Porch).
12. Replace UVB(Porch)
13. Replace T/RH probe(Porch)
14. Calibrate Rad and Spare Rad Loggers (Porch)
15. Calibrate SMET and Spare SMET Loggers (Porch)
16. Calibrate Barometer in SMET Logger(Porch)
17. Install new AC line for new Kipp&Zonen tracker(Kornke)
18. Install serial communication line for new Kipp&Zonen tracker(Kornke)
- 19. Install Kipp&Zonen tracker on main skystand(Kornke)**
20. Install new AC line for TSI.(Kornke)
21. Install new stand for TSI.(Kornke)
22. Install data line for TSI.(Kornke)
- 23. Install TSI.(Kornke)**
- 24. Install Observer Laptop.(Kornke)**
- 25. Install Pearse Laptop.(Kornke)**
- 26. Install external fuel tank.(Kornke)**

27. Changeout BBSS UPS battery (Kornke)
28. **WSI filter/shutter changeout(Kornke)**
29. Redmark ARCS-1 drawing book
30. Routine Maintenance tasks-see Maintenance schedule:
 - ADaM backup
 - Ceilometer glass check
 - IRT
 - Logger(Zeno) pressure check
 - MFRSR
 - MMCR
 - MPL
 - MWR, check Teflon window
 - Net Rad
 - Laptop
 - Phone Manager
 - PIR,PSP ventilators
 - Power-Battery box check
 - SAT Phone
 - SMET
 - Tracker arm
 - Vans
 - WSI
31. Radiometer ventilator work(Kornke)
 - Remove ventilator internal fuses - power distribution box provides circuit protection.(Kornke)
 - Complete ventilator hardware upgrade to silicon bronze because (adjusting screws are corroded and seized)
 - Change out all Ventilators as needed
32. Observer training(Kornke)
 - Ventilator changeout OJT
33. Install Zeno logger tin roofs (Kornke)
34. H2 Generator maintenance: tri-annually(BOM)
35. Emergency Generator Maintenance (Hastings/Deering)
36. Clean out obsolete parts from storage Vans, old AC Units leaving 2 spares
37. Repair Skyrad steps, van deck
38. Coat Y-Van roof leak, Paint Y-Van front.(Observers)
39. Ship back equipment(Kornke)
 - MMCR calibration antenna
40. Baby-sit site for 2 days
41. Audit out(Observers)
 - Spares inventory
 - Config files from Rad Loggers, MFRSR, Ceil, MWR, etc.
 - Replacement records
 - Relabel faded labels

Nauru tasks:

1. Train new BOM technicians on Calibration(Kornke)
2. Changeout, add, or repair solar tracker(Kornke)
3. Replace IRT shutter (Kornke)
4. I-Van UPS diagnostics, repair (Kornke, BOM)
5. Assess extension cord between I & D-Van(Kornke)
6. AERI front end inferometer replacement(Kornke)
7. AERI hatch mechanism & controller replacement(Kornke)
8. Modify Rad Logger Real-time display (Kornke)
9. General Instrument Calibration (Porch)
10. Radiometer Comparison testing(Porch)
11. Radiometer changeout(Porch).
12. Replace MFRSR head(Porch).
13. Replace Net Rad assembly(Porch).
14. T/RH replacement (Porch).
15. Calibrate Rad and Spare Rad Loggers (Porch)
16. Calibrate SMET and Spare SMET Loggers (Porch)
17. Calibrate Barometer in SMET Logger(Porch)
18. Calibrate MMCR(Ayers or Moran)??
19. Install AC power for TSI.(Kornke)
20. Install new stand for TSI next to WSI. (Kornke)
21. Install data line for TSI. (Kornke)
22. Install TSI at ARCS-2. (Kornke)
23. Modify ADaM for TSI.(Kornke)
- 24. Install Observer Laptop.(Kornke)**
- 25. Install extra fuel tank.(Kornke)**
- 26. Install Kipp&Zonen on main skystand.(Kornke)**
27. NIES installation (Long, Widener)
28. Install Brusag at NIES(Kornke)
29. Install CIMEL rain sensor (Kornke)
- 30. WSI filter/shutter changeout(Kornke)**
31. Redmark ARCS-2 drawing book
32. Routine Maintenance tasks (see below)
 - ADaM backup
 - AERI
 - Air Conditioners
 - BBSS
 - Ceilometer glass check
 - Cimel
 - Logger(Zeno) pressure check
 - IRT
 - MFRSR
 - MMCR
 - MPL
 - MWR

- Net Rad
 - Laptop
 - Phone Manager
 - PIR,PSP ventilators
 - Power-Battery box check
 - SAT Phone
 - SMET
 - Tracker arm
 - Vans
 - WSI
33. Observer training(Kornke)
- Ventilator changeout OJT
34. Radiometer ventilator work(Kornke)
- Remove ventilator internal fuses - power distribution box provides circuit protection.(Kornke)
 - Complete ventilator hardware upgrade to silicon bronze because (adjusting screws are corroded and seized)
 - Change out all Ventilators
35. Weed around Vans (Observers)
36. Install lock on E-Van outside battery box (Observers)
37. Install Zeno logger tin roofs (Kornke)
38. H2 Generator maintenance: tri-annually(BOM)
39. Emergency Generator Maintenance (Hastings/Deering)
40. Clean out obsolete parts from storage Vans, old AC Units leaving 2 spares
41. Ship back equipment(Kornke)
42. Baby-sit site for 2 days
43. Audit out
- Spares inventory(Observers)
 - Config files from Rad Loggers, MFRSR, Ceil, MWR, etc.
 - Replacement records
 - Relabel faded labels

RESET-14M,N Preparation Assignments

Shipping items to SGP for Manus by 06Sep

Manus preparation tasks:

1. Train new BOM technicians on Calibration(Porch)
 - Porch write training plan
 - Porch update Calibration Manual
 - Porch hand carry Calibration Manual
2. Install MPL transceiver(Kornke)
 - Jones check with Flynn on status of MPL repair/shipment.
 - Apple ship MPL
3. Install repaired MMCR TWT –power problem(Ayers/Kornke).
 - Jones check with Widner on status of TWT repair/shipment.
 - Apple ship TWT
4. Calibrate MMCR (Ayers/Porch)
 - Jones check with Ayers on shipment of Comparison antenna.
 - Ayers hand carry antenna?
5. Replace IRT shutter (Kornke)
 - Jones check with Morris on status of new IRT shutter testing/shipment.
 - Apple ship new shutter.
6. Modify Rad Logger Real-time display (Porch)
 - Porch check with Hart on status of real time display upgrade.
 - Porch hand carry upgrade for loggers.
7. General Instrument Calibration (Porch)
 - Porch assemble Cal equipment, aspirator, cal logger
 - Porch ship Cal equipment, aspirator, cal logger
8. Radiometer Comparison testing(Porch)
 - Porch arrange for five straight days of clear skies for calibration.
9. Radiometer changeout(Porch).
 - Porch check with Cornwall to get calibrated radiometers.
 - Apple ship calibrated radiometers.
10. Replace MFRSR head(Porch).
 - Porch obtain replacement MFRSR head.
 - Apple ship MFRSR head.
11. Replace Net Rad assembly(Porch).
 - Porch obtain replacement Net Rad assembly.
 - Apple ship replacement Net Rad assembly.
12. Replace T/RH probe(Porch)
13. Repair Barometer desiccant tube (Kornke)
 - Kornke obtain new desiccant tube
 - Apple ship new desiccant tube.
14. Calibrate Rad and Spare Rad Loggers (Porch)
15. Calibrate SMET and Spare SMET Loggers (Porch)

16. Calibrate Barometer in SMET Logger(Porch)
17. Install new AC line for new Kipp&Zonen tracker(Kornke)
 - Kornke draw new trench line for Jones to take to SET-5
18. Install serial communication line for new Kipp&Zonen tracker(Kornke)
 - Kornke draw new trench line for Jones to take to SET-5
19. Install new AC line for TSI.(Kornke)
 - Kornke draw new trench line for Jones to take to SET-5
20. Install new stand for TSI.(Kornke)
 - Jones commission Darwin Ops Center techs to build TSI stand
21. Install data line for TSI.(Kornke)
 - Kornke draw new trench line for Jones to take to SET-5
22. **WSI filter/shutter changeout(Kornke)**
23. Redmark ARCS-1 drawing book.
 - Reass update ARCS-1 drawing book
 - Apple ship ARCS-1 drawing book.
24. Routine Maintenance tasks-see Maintenance schedule on web for RESET-14 tasks:
 - Kornke obtain copy of Maintenance tasks from web.
 - Kornke hand carry copy of Maintenance tasks from web
 - Apple ship ADaM back up blank tape
25. Radiometer ventilator work(Kornke)
 - Kornke obtain all ventilator parts necessary for maintenance, repair.
 - Apple ship all ventilator parts necessary for maintenance, repair.
26. Observer training(Kornke)
27. Install Zeno logger tin roofs (Kornke)
 - Jones commission BOM to build Logger covers.
 - Pearson ship Logger covers to site.
28. H2 Generator maintenance: tri-annually(BOM)
 - Jones contact BOM to schedule maintenance.
29. Emergency Generator Maintenance (Hastings/Deering)
 - Apple schedule maintenance with H/D.
30. Clean out obsolete parts from storage Vans, old AC Units leaving 2 spares
31. Repair Skyrad steps, van deck
 - Pearson coordinate fabrication of step, deck replacement.
32. Coat Y-Van roof leak, Paint Y-Van front.(Observers)
 - Pearson coordinate purchase of sealant.
 - Pearson ship sealant to site.
33. Ship back equipment(Kornke)
34. Baby-sit site for 2 days
35. Audit out(Observers)
 - Haruta prepare blank inventory, audit forms, replacement forms
 - Maestas prepare inventory clarification checklists, forms
 - Kornke handcarry Audit, inventory, replacement forms.
 - Apple ship labeler and exterior labels.

Shipping items to SGP for Nauru by 27Sep

Nauru prep tasks:

1. Train new BOM technicians on Calibration(Kornke)
 - Porch write training plan
 - Porch update Calibration Manual
 - Porch hand carry Calibration Manual
2. Install new K&Z tracker(Kornke)
 - Apple ship K&Z trackers to Darwin
 - Pearson test K&Z trackers at Darwin
 - Pearson ship K&Z trackers to Nauru
3. Replace IRT shutter (Kornke)
 - Jones check with Morris on status of new IRT shutter testing/shipment.
 - Apple ship new shutter
4. I-Van UPS diagnostics, repair (Kornke, BOM)
 - Kornke obtain parts, APC UPS needed
 - Apple ship parts, APC, UPS needed
5. Assess extension cord between I & D-Van(Kornke)
6. AERI front end interferometer replacement(Kornke)
 - Jones check with Flynn on status of AERI repair/shipment.
 - Apple ship AERI interferometer
7. AERI hatch mechanism & controller replacement(Kornke)
 - Jones check with Flynn on status of AERI hatch repair/shipment.
 - Apple ship AERI hatch
8. Modify Rad Logger Real-time display (Kornke)
 - Porch check with Hart on status of real time display upgrade.
 - Porch hand carry upgrade for loggers.
9. General Instrument Calibration (Porch)
 - Porch assemble Cal equipment, aspirator, cal logger
 - Porch ship Cal equipment, aspirator, cal logger
10. Radiometer Comparison testing(Porch)
11. Radiometer changeout(Porch).
 - Porch check with Cornwall to get calibrated radiometers.
 - Apple ship calibrated radiometers.
12. Replace MFRSR head(Porch).
 - Porch obtain replacement MFRSR head.
 - Apple ship MFRSR head.
13. Replace Net Rad assembly(Porch).
 - Porch obtain replacement Net Rad assembly.
 - Apple ship replacement Net Rad assembly.
14. T/RH replacement (Porch).
15. Calibrate Rad and Spare Rad Loggers (Porch)
16. Calibrate SMET and Spare SMET Loggers (Porch)
17. Calibrate Barometer in SMET Logger(Porch)

18. Install AC power for TSI.
 - Kornke draw new trench line for Jones to take to SET-5
19. Install new stand for TSI next to WSI.
 - Jones commission Darwin Ops Center techs to build TSI stand
20. Install data line for TSI.
 - Kornke draw new trench line for Jones to take to SET-5
21. Install TSI at ARCS-2.
22. Modify ADaM for TSI(Kornke).
 - Jones contact Koontz, Long on ADaM mods needed
23. NIES installation (Long, Widener)
 - Jones contact Long, Widener on shipping heads up
24. Install Brusag at NIES(Long, Widener)
25. Install CIMEL rain sensor (Kornke)
 - Jones contact CIMEL mentor for new sensor
 - Apple ship new CIMEL rain sensor
26. **WSI filter/shutter changeout(Kornke)**
27. Routine Maintenance tasks -see Maintenance schedule on web for RESET-14 tasks:
 - Kornke obtain copy of Maintenance tasks from web.
 - Kornke hand carry copy of Maintenance tasks from web
 - Apple ship ADaM back up blank tape
28. Observer training(Kornke)
29. Radiometer ventilator work(Kornke)
 - Kornke obtain all ventilator parts necessary for maintenance, repair.
 - Apple ship all ventilator parts necessary for maintenance, repair.
30. Weed around Vans (Observers)
31. Install lock on E-Van outside battery box (Observers)
 - Apple purchase and ship Cypher lock
32. Install Zeno logger tin roofs (Kornke)
 - Jones commission BOM to build Logger covers.
 - Pearson ship Logger covers to site.
33. H2 Generator maintenance: tri-annually(BOM)
 - Jones contact BOM to schedule maintenance.
34. Emergency Generator Maintenance (Hastings/Deering)
 - Apple schedule maintenance with H/D.
35. Clean out obsolete parts from storage Vans, old AC Units leaving 2 spares
36. Ship back equipment(Kornke)
37. Baby-sit site for 2 days
38. Audit out
 - Haruta prepare blank inventory, audit forms, replacement forms
 - Maestas prepare inventory clarification checklists, forms
 - Kornke handcarry Audit, inventory, replacement forms.
 - Apple ship labeler and exterior labels.