

EMR-0302NM

Proposed dates at Nauru: 6 to 14Feb, 2003
Proposed dates at Manus: 16 to 24Feb, 2003

Team:

- Troy Culgan

Nauru Tasks (ARCS-2)

1. H2 Generator Maintenance

6 February 2003

Gas Analyzer not functioning will replace with hand carry unit that was meant for Manus, old unit return to BOM Melbourne for repair. Details to follow.

7 February 2003

Gas Analyzer Model M-311PC Ser No 177962 replaced with Unit Serial No.176285

9 February 2003

Electrolyser Maintenance in progress.

10 February 2003

Electrolyser and RBL maintenance complete

2. Refresher walk through with Observers.

Ongoing

3. Genset fuel leak check

8 February 2003

Observers replaced self-vent drain on Racor fuel filter system; there is no longer a minor fuel leak in the Genset.

4. Cimel install.

8 February 2003

It was requested to get the old Cimel operational before replacing the system, In order to do this it was necessary to use the 6-volt battery from the replacement Cimel. Old system set to work at 03:40 UTC 8 Feb 03

11 February 2003

Check system components

12 February 2003

Observers commenced change out of Cimel instrument at 0245 12 Feb 03 UTC

14 February 2003

Informed by David Reass that mentor reports data looks good

Note: Still awaiting information on Cimel country number

5. MPL install – if it arrives.

6 February 2003

Check Status of equipment, found MPL has no stand!

7 February 2003

Bill Kornke will hand carry stand from Manus and will install during RESET 18

11 February 2003

Amendment to plan: arrange for local carpenter to build a temporary stand for MPL
After consultation with local carpenter materials were purchased and building of stand in progress.

12 February 2003

MPL installed and operational

Components: MPL Transceiver	WD# 27983	serial No 22
MPL Scaler & Controller	WD# 33710	serial No 023S
Laser Diode Power Supply	WD# 27540	serial No U3332
Handset remote controller		serial No 6257

Consult with Ron Reed and Rex Pearson to have collection enabled for MPL.

13 February 2003

Worked with Conner Flynn to attempt to resolve low signal levels, all attempts unsuccessful but equipment is still operational.
Verified operation of sunshade controller.

6. MMCR install – if it arrives.

7 February 2003

TWT Model 187Ka ser No 9801257 replaced with Unit ser No 18

This did not rectify fault light indication; Rex Pearson will be in contact with Kevin Widener as to how to proceed further

12 February 2003

Checked voltage supplies as advised, all voltages for the pulse controller present and correct.
Kevin Widener advised.

13 February 2003

MMCR put back together after testing, still has fault condition light on TWTA

14 February 2003

MMCR shut down, as it is not operational

7. UVB install – hand carry spare?

7 February 2003

New UVB cable installed at 00:50 UTC 7 Feb 03

UVB's serial numbers 2867(installed), 3873(spare), 4433 (spare) will need to be assessed prior to using 2866(hand carried)

8 February 2003

UVB 2867 replaced at 2325 UTC 7 Feb 03 with UVB4433

9 February 2003

UVB 4433 replaced at 2200 UTC 8 Feb 03 with UVB3873

10 February 2003

UVB3873 replaced at 2000 UTC 9 Feb 03 with UVB2866

14 February 2003

Hand carry UVB 3873 to Manus

8. T/RH replacement – hand carry spare.

7 February 2003

Observers changed TR/H probe HMP45D ser No W0120003 with Ser No W4630001

9. General site /system checks

7 February 2003

Reviewed corroded fence with OIC of site and suggest that a minimum of 50meters requires immediate attention with at least another 50 meters requiring attention in the near future. As 100 meters of fencing is available I suggest that all corroded sections of the fence be replaced.

10. Other

11 February 2003

Observer laptop inspection; COM port 1 has failed, floppy drive failure

BBSS data for AIRS data is now sent to the Dell laptop that Rex set up previously for the scanner and can be emailed from there.

Purchase materials for water tank foundation.

14 February 2003

AERI install not attempted due to an overflow of water from de-humidifier.

Drain line cleared and water cleaned up inside AERI van.

Troy Culgan departed Nauru on route to Manus

Nauru Tasks (NIES SITE)

1. Check diesel generator

13 February 2003

Genset checked all operations appear normal

2. Ceilometer install.

8 February 2003

Replaced compensation fiber on UNIT ser no V45105, despite the fact that the old fiber was faulty, I was unable to achieve a satisfactory result with the replacement fiber due to high-level cloud. Ceilometer is to be returned to SGP for repair, Installed ceilometer ser no V45106 at 0300 UTC 8 February 2003.

Note: Only one of the compensation fiber's shipped was usable, the other appeared broken as no light could be seen through it.

Manus Tasks (ARCS-1)

Team:

- Troy Culgan
- Bill Kornke
- David Reass

Note: EMR-0302NM complete this is final report, daily reports for the commencement of RESET 18 to be submitted by David Reass

Note from 18Feb03 report: Replaced Ether link card in SAM laptop, request confirmation of SERV-U settings

1. H2 Generator Maintenance.

17 February 2003

H2 Generator Maintenance commenced

18 February 2003

H2 Generator Maintenance in progress

RBL maintenance complete

19 February 2003

H2 Generator Maintenance complete

2. Refresher walk through with Observers.

17 February 2003

Observer training Hotmail alternate email

20 February 2003

Observers email account relayed through R1

3. H2 Generator orientation for Reass.

20 February 2003

Reass familiarized with H2 Generator

4. AWS orientation for Reass and Kornke

19 February 2003

Commenced orientation

20 February 2003

Orientation complete

5. Other

16 February 2003

Installed UVB 3873 at 05:30 16 Feb 03 UTC

Assisted Dick Pearse with laptop operation

17 February 2003

UVB3873 removed at 00:0117 Feb 03 UTC, await further investigation into logger

18 February 2003

Replaced 3com Ether link PCMCIA card in SAM laptop as old card had failed.

Restored SERV-U settings to what I think is correct, may need verification.

19 February 2003

Skyrad logger checked and corrected internal cabling of logger as per drawings.

UVB 3873 connected at 01:05 19 Feb 03 approx.

Current indications are that the logger / UVB problem is rectified at Manus

ARRIVALS: Bill Kornke, David Reass, Paul Johnson (NOAA)