

Trip report EMR 0203

Nauru 28th Feb to 4th March 2002

BOM ref SSU 785

Wednesday 27th Feb

Leave Darwin at 1300 to meet midnight flight Brisbane / Nauru.

Thursday 28th Feb

Arrived on site and met up with Kim Nitischke, Tony Baldwin and Larry Jones.
Did a walk around the site and checked systems.
Located and unpacked the AERI Hatch assembly Outside work halted due to rain.
Did a walk around safety check around the site with Larry Jones and observers.
Sent time on the walk way roof putting additional screws to stop the roof sheets flexing in high winds.

Presentation Dinner where Larry Jones presented Nic with ARM/TWP award.

Friday 1st March

Prepared the new hatch assembly for installation. Record wiring of control cable.
Outside work halted by rain.
Visit NIES site and check equipment.
Clean up software on observer's laptop.

Saturday 2nd

Removed the old AERI hatch assembly.
Strip off old Salastic sealant that had started to lift and resealed old bolt holes and roof joining seam.

Sunday 3d

Changed the ventilator fan on the PSP at the ARCS2 site.
Re-positioned AERI hatch rain sensor and cabling clear of the shadow of the walkway roof. Outside work halted by rain.

Monday 4th

Bob Knuteson arrived
Unpacked AERI gear that had been stored since Oct. All appears to be okay.

Adjusted timer controllers on the new hatch controller so the hatch closes fully.
Started backing up files and calibration of signal conditioning electronics.
Changed two ventilator fans at NIES site, (PSP and PIR).

Tuesday 5th

Carried out calibration procedures on the AERI system (08), using third black body before changing any equipment. Replaced the black body temperature controller to modified design unit.
Changed AERI system to AERI-06

Wednesday 6th

Due to a problem with the new black body temperature controller, modified the old black body with fixed resistor for temperature control of hot black body and swap out.
Continued calibration of changed out AERI equipments.

Thursday 7th

Continued calibration of changed out AERI equipments.
Unpacked the CIMEL unit sent from the states and fitted out the equipment locker with logger, Vitel transmitter and batteries.
Installed and leveled the CIMEL instrument. Unit left for the solar panels to charge the batteries and observers to program in the setting for Nauru.
Continued to refurbish ventilators replaced at the NIES and ARCS2 sites
Check the serial number on the Kipp-Zonen solar tracker at the NIES site and places WD tag on the unit. Unit serial number 010179, WD tag 33085.

Friday 8th

Received Fax from Connor Flynn detailing AERI hatch controller PCB
Found the hatch open/closed wiring had been soldered to the wrong connector. Rewired hatch status connector and setup up the logic switching matrix in the PCB to send the right logic bits to the computer.
Checked hatch status signals using HRESVIEW program.

1200 Leave the site for the Airport

Saturday 9th March

Flight Brisbane / Darwin. Arrived back in Darwin 1300 local time.

