

TWP Ops Pacific Teleconference Action Items for 9 October 2012
Next Teleconference 16 October 2012

Local Times:

USA: 16:30 MST Tuesday Afternoon Direct dial-in numbers:
Darwin: 08:00 Wednesday Morning 1-855-896-4908 (international)
PNG: 08:30 Wednesday Morning 1-855-896-4908 (toll free in U.S.)
Nauru: 10:30 Wednesday Morning

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PARTICIPANTS:

| TWPO           | ARCS#1       | ARCS#2            | ARCS#3        |
|----------------|--------------|-------------------|---------------|
| Paul Ortega    | Hymson Waffi | Andrew Kaierua    | Troy Culgan   |
| Amon Haruta    | Myra Selan   | Franklin Teimitsi | Mike Ryczek   |
| Erik Brinkmann | Robert Boman |                   | John Glowacki |
| Heath Powers   |              |                   | Rocky Cahill  |

\*Red Text indicates new info since last call\*

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1. Announcements

2. Upcoming Site Visits (no need to cover during Teleconference).

Nauru: 22-31 October Maciej Ryczek and John Glowacki

3. Manus Facility Status:

OIC Brief:

- **BBSS:** 646 balloons and 212 Sondes 300+ Balloon stoppers
- **GENSET:** Genset failed to start, Hymson replaced batteries. Diesel Fuel situation: Tank 1 (600 gallon tank) is 3/4 Tank 2 (1000 gallon tank) is 1/4 Fuel status now Low - reported 4 October - Requires action **Lombrom GENSET:** Fuel required 65% full
- **Personnel:** AMIE – additional staff hired for the project are still on Manus Is, awaiting their payment and transportation.
- **Site Vehicle:** Payment for site vehicle for the last eight months remains outstanding. Site vehicle had a major mechanical break down and is being repaired at the government workshop (pending spare parts availability). Hymson is unable to do daily routines at the Lombrom site. Site vehicle is usable but still needs some parts replacement. Hymson is able to drive to Lombrom site though. Payment for site

vehicle is still outstanding as well as payment for replacement rental car (Chauka). Part payment only for the government vehicle was made last Thursday. Still outstanding is Chauka Car Rentals and 2nd & 3rd quarter of this year for the current site vehicle.

- **Communication:** No Report
- **Shipments:** No report
- **Projects:** Nil

Discuss during Teleconference:

DQPR:

DQPR's that require mentor review

- DQPR 2831** - Sonde - requires mentor update
- DQPR 3425** - AERI - Investigated during SV1208M, scene mirror housing aligned and adjusted, technical staff to update DQPR and mentor to review operation
- DQPR 3489** - MPL - MPL computer replaced during SV1208M, mentor required to review operation
- DQPR 3488** - Vdis - Lamps were replaced and aligned, Plane distance measurement completed during SV120M, technical staff required to update DQPR

DQPR's that require action

- DQPR 3439** - **KAZR** - TWTA failed - spare on site - Site Visit scheduled 20 August, SV1208M. TWTA was replaced but other faults remain, 16Ghz Plo not operating correctly
- DQPR 3518** - CSPHOT - no data files collected on instrument computer, observers have been requested to investigate. Investigation has found rain sensor consistently flagged during no rain events.
- DQPR 3536** - MWR3C - waiting mentor advice
- DQPR 3541** - TSI - tape required to divert water

Other:

HOGEN: repairs during SV1208M remain incomplete, water treatment plant is operational, HOGEN control board has been replaced, System error E-02 indicates faulty power supplies, there are no on site spares.

Electrolyser: operational

A/C: E-van air conditioning failing - Hymson to organize Lorengau tech visit 22May2012, aircon tech expected on 23May2012, R410A manifold shipped from Darwin, Hymson submitted paperwork for tax exemption. Hymson is still chasing the Lorengau tech up. A/C tech repaired coil leak in one unit and found a faulty compressor in the other one - unit needs to be changed out. The faulty air conditioner was not replaced during SV1208M.

Lombrom: Site access to Lombrom halted due to lack of site vehicle

Helium Bottled Gas

- Full = 0
- Empties = 80

ARRA

Lombrom Radar Site CSAPR: Not operational, Azimuth motor has been removed and inspection found damage to drive gears. **Parts in transit**

- **Manus Electrical:** New transformer installed. Fencing quote waiting for approval
- **SACR Van:** SACR installed, Pro-sensing to complete modulator change and replace faulty slip rings. Scheduled 30 Nov - 5 Dec. delayed until equipment arrival. The X-Band TWT has been removed and is waiting uplift for return. Modulator installed and X-Band TWT in transit. Replacement slip rings have been installed.

Issues to monitor:

4. Nauru Facility Status:

OIC Brief:

- **BBSS:** 724 balloons and 523 Sondes 200+ Balloon stoppers
- **GENSET:** Diesel Fuel situation: Tank 1 (600 gallon tank) is 7/8 full
Tank 2 (1000 gallon tank) is 7/8 full. 32 full drums remaining.
Transfer 0 drums to tank #0

GENSET: Temporary auto start installed. Runtime hrs and Volt meters installed.
- **Personnel:** No Report
- **Site Vehicle:** No Report
- **Communication:** No report
- **Shipments:** Nil
- **Projects:** Nil

Discuss during Teleconference:

DQPR:

DQPR's that require mentor review

- **DQPR 2823** - MFRSR - replacement linear heater board has failed to resolve problems. Request mentor update; no response as at 7 August 2012 . Mentor requested linear heater board to replaced 27 August, there are no on site spares at this time. To be investigated during SV1210N

DQPR's that require action

- DQPR 2773** - Skyrad - recommend tracker be replaced with newer model than currently installed
- DQPR 3541** - TSI - tape required to divert water

Other:

Helium cylinders - 49 full, 31 Empty

Issues to monitor:

Licor: Operational

Vans: Air-conditioner spares shipment - CTS are requested to ship. In Transit

Shipping:

Water Supply: continue to monitor

5. Darwin Status:

OIC Brief:

- **GENSET:** Diesel Fuel situation: Tank 1 (40 gallon day tank) is 3/4 full
- **Personnel:** No report
- **Site Vehicle:** No report
- **Communication:** No report
- **Shipments:** Nil

Projects:

- **Connector system for ventilators:** Has been operating in Darwin for a short period, recommend expanding trial to Manus. Approved. Connectors and cable have been purchased and preparations for Manus install underway. Manus install completed.

Discuss during Teleconference:

Other:

ARRA

Flux site - It has been two years since initial install and no site is operational. A full review of sites and forward plan is required from the mentor. Require mentor to verify Berrimah site operation before install. Berrimah Flux site installed. Beatrice Hill computer connected to Darwin network, waiting for Cory Stuart to configure.

Raman Lidar: Front and Rear Laser assemblies to be shipped to Continuum for testing. Power supply will also be shipped. Laser's packed and ready for shipment. To be returned for re-install.

SACR: Requires slip ring replacement after new slip rings failed immediately after being installed. Second replacement slip rings are on site. Prosensing staff onsite 2-12 October.

MPL: MPL returned to Sigma Space for upgrade. Requires update as to when instrument is available for shipment. In Transit 30 August, Instrument is still at Global Logistics waiting shipment. **Installed, power appears low, waiting on mentor advice.**

- **DQPR:**

DQPR's that require mentor review

DQPR 2788 - MFRSR - requires mentor update

DQPR's that require action

DQPR 2871 - Raman Lidar - requires further investigation, Continuum schedules service visit (tech from Taiwan) - 20-26May2012, Continuum tech visit in progress. Continuum tech confirmed power supply being at fault - awaiting new power supply from Continuum. Power supply is in transit. Power supply has arrived Darwin. Replacement power supply failed on first operation, a burning smell was evident. Power supply returned to vendor for repair. Laser heads and power supply packed and ready for shipment to vendor for investigation. The Current recommendation is to return Laser heads and power supply to Darwin for re-install.

DQPR 3480 - AERI - low priority, barometer reads 25-30 hPa low in comparison to SMET

DQPR 3503 - CSPHOT - Instrument failure, instrument returned for repair, waiting on replacement instrument. Replacement instrument is in transit

DQPR 3541 - TSI - tape required to divert water