DEEPWAVE Project Debriefing

EOL Project Management Office (PMO) Support Summary

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## DEEPWAVE Facility Operations Timeline (2014)

**Latest Update 3/24/14**

### Aircraft
- **GV**
  - 5/1 – 5/20
  - 5/22 – 5/30
  - 6/5 – 7/21
  - 6/21 – 7/6
  - 7/22 – 7/27

- **DLR Falcon**
  - 5/1 – 5/20
  - 5/22 – 5/30
  - 6/5 – 7/21
  - 6/21 – 7/6
  - 7/22 – 7/27

### Remote Sensing
- **ISS**
  - 5/15 – 5/28
  - 5/29 – 7/27
  - 7/28 – 8/5

### Ops Support
- **Ops Center**
  - 5/15 – 6/3
  - 6/2 – 7/21
  - 7/22 – 7/27

- **Field Catalog**
  - 5/15 – 7/27
  - 6/1 – 6/20

### Collaborating Instrumentation
#### Surface Obs
- UoCant. High Mtn Mesonet
- NIWA surface network
- NIWA high alt. wx stations
- NZ MetService sfc array

#### Regional Model Data
- NIWA models
- NZ MetService Models
- NZ MetService Reg. WRF
- DLR ECMWF Grids
- DLR Models
- NIWA HadGEM3

#### Remote Sensing
- UoCant. Meteo. radar
- UoCant. ST radar
- NIWA Lauder lidar
- NZ MetService Scm Radars
- DLR Ground Sodium Lidar
- AAD Tas. Rayleigh Lidar

#### Sounding Systems
- NIWA Weekly O3 Soundings
- DLR Soundings
- AAD Supplemental Sounding

#### Forecast Products
- NZ MetService: Aviation Wx., Volcanic Ash, Wx Alerts, MDAR, TAFS, Local Forecast
DEEPWAVE PMO Support Activities

• PI planning and support (calls, meetings, etc.) before deployment (over ~18 months)
• Project Dry Run in August 2013
• NZ Planning Meeting January 2014
• Site survey trips: Aug 2012, Jan 2014
• Complete participant information
• Project shipping guidelines
• Complete sections of the Operations Plan
• Coordination of Ops Plan Preparation and access via web site
• DEEPWAVE Web site updating
DEEPWAVE PMO Support Activities

• Project lodging options (via USAP contacts)
• Project forecast team coordination
• Print badges for all participants
• Arrangements at NSF Antarctic Center (Security guards, Internet services, shipping clearance and local delivery coordination)
• Assist with DLR arrangements for use of CHC USAP facilities
• Operations Planning Meeting in March 2014
• Operations support during deployment
• Site management for all participants
• Coordination of public open house
Lessons Learned

• Use of the USAP/PAE facilities for Southern Hemisphere deployments work well
• UCAR working with EOL to improve flexibility and clarity in shipping procedures, contractors
• Advanced planning for infrastructure, networking, ATC, regional data collection all important to success of the project
• International collaborations with DLR, NIWA, NZ MetService, Australian BOM was excellent