DEEPWAVE Project Debriefing

EOL Project Management Office (PMO)
Support Summary

Jim Moore



DEEPWAVE Facility Operations Timeline (2014) Setup/Teardown Test Flights Ferry Operations Operations				
	May	June	July	August
<u>Aircraft</u> •GV	5/1 – 5/20	31—6/4 6/5 – 7/21 6/21 – 7/5	7/22-7/25	
•DLR Falcon		6/14-6/20 6/22-7/14	7/16-7/21	
Remote Sensing •ISS	5/15 – 5/28 5/2) - 7/27	77.	28 – 8/5
Ops Support Ops Center	<u>5/28 – 6/</u>	1 6/2 – 7/21	71/22	
•Field Catalog	5/15- 7/27	6/1 – 6/20		
Collaborating Instrumentation				
Surface Obs		6/5 – 7/21		
VoCant. High Mtn Mesonet NIWA surface network NIWA high alt. wx stations NZ MetService sfc array				
Regional Model Data •NIWA models		6/5 – 7/21		
•NZ MetService Models •NZ MetService Reg. WRF •DLR ECMWF Grids •DLR Models •NIWA HadGEM3				
Remote Sensing		6/5 – 7/21		
UoCant. Meteo. radar UoCant. ST radar NIWA Lauder lidar NZ MetService 5cm Radars DLR Ground Sodium Lidar AAD Tas. Rayleigh Lidar				
Sounding Systems		6/5 – 7/21		
•NIWA Weekly O3 Soundings •DLR Soundings •AAD Supplemental Sounding				
Forecast Products		6/5 – 7/21		
•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