



Wallops Range Status

Network Support Group

April 19, 2012



April 2012 NSG



- **Post 2011 NSG Changes**
 - **Hardware**
 - *Radar 5 DLM Performed 09/2011*
 - *7.3M 1 and 2 No Changes*
 - *9M is now FMC for RX operations utilizing spares obtained from Mila deactivation.*
 - *8M (TOTS) ACU Replaced with TCS unit, Upgrade Completed*
 - *A 3M RX antenna installed on roof of N162 replaced one of two Low Gain 2.4M antennas for aircraft SR operations and Antares.*
 - *UHF A/G Canoga Antenna System– No changes, system remains operational if needed*
 - **Software**
 - *7.3M – None*
 - *UHF A/G - None*
 - *9M None*
 - *Radar - None*



OSC / Antares Launch Configuration



– WALLOPS

- *WFF TM 7.3M, 8M, 9M*
- *WFF Radar WLIC WLRC WLPC*
- *WFF Command, Canoga Antenna's*

– COQUINA

- *Coq TM Mobile 6.2M 40FT Instrumentation Trailer*
- *Coq Radar RIR 778 -12FT*
- *Coq Command Mobile Range Control Van (MRCS-2)*

– BERMUDA

- *Mobile 7.0M 40FT Expandable Instrumentation Trailer*
 - *Mobile Radar 2 RIR 778 C 8FT*
 - *Mobile Command System 1A (MCS1A)*
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Range Equipment Status



- **WALLOPS**

- *All Wallops Range Instrumentation is green and able to support the current HSF mission set.*
- *A recent demonstration was provided on 3/27 with a five launch sounding rocket salvo where eight TM Antennas and Five C-Band Radars tracked five rockets 120 seconds apart with no track or data loss*
- *WFF C-Band (WLPC) continues to provide call up support as requested for Soyuz / ISS missions.*

- **COQUINA SITE (Antares Specific)**

- *Power Upgrade Completed to provide 800AMP Service for mobile instrumentation (April 13 2012)*
- *Ver/Val and I&T completed with all Coquina mobile assets for Antares. Deployment scheduled for April 16th 2012.*

- **BERMUDA SITE (Antares Specific)**

- *Country Agreement in place for WFF Mobile Operations to support Antares*
- *Mobile Radar 8 in place and tested end to end with Wallops*
- *Remaining Instrumentation is scheduled to arrive May 7th 2012*

- *Two Antares Data Circuits. 4.6MB MPLS are operational. 5.0MB Ethernet is awaiting activation May 7th 2012.*



Open DRs / Testing



- **Discrepancy Reports**

HSF Impact (Y/N)	DR#	System/ Subsystem	Problem Description	Operational Workaround	Current Status	Projected Closure Date
None						

- **Open Work**

- *No work impacting readiness*



Facilities / Open Work



- **Facilities Overview**

Item	Status	Comments
Commercial Power	G	No issues
Generator	G	Operational
UPS	G	Radar and TM antennas do not have UPS
HVAC	G	Operational and Serviceable,

- **Staffing, Training, and Certification**

- *Staffing level is sufficient to meet all current requirements*



Range Operations Contract - Contact List



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