



Industry Day Range Operations Contract II

March 12, 2015

Disclaimer

In the event of any inconsistency between data provided in these charts or today's tour and the Final RFP, the language in the Final RFP, including any amendments, will govern.



Logistics

1. Four exits to the building;
2. Restrooms down the hallway to your right;
3. Cafeteria open from 11AM – 1PM;
4. This presentation will be placed in procurement library;
5. Please silence all cell phones;
6. Please do not interfere with employees performing their job;
7. No verbal questions – PLEASE submit in writing to Contracting Officer;
8. Please sign the attendance list in the lobby.



Wallops Flight Facility Airfield and Launch Range

A unique national resource, Wallops Flight Facility's Research Range enables flexible, low-cost space access, in-flight science, and technology research for all of NASA and the nation. It is the only launch range that NASA owns.



Enabling Science from Earth to Orbit and Beyond

- Vehicle Development and Risk Reduction Missions
- Proof of Concept Missions and Technology Testing
- Partnered with Mission Directorates and Centers

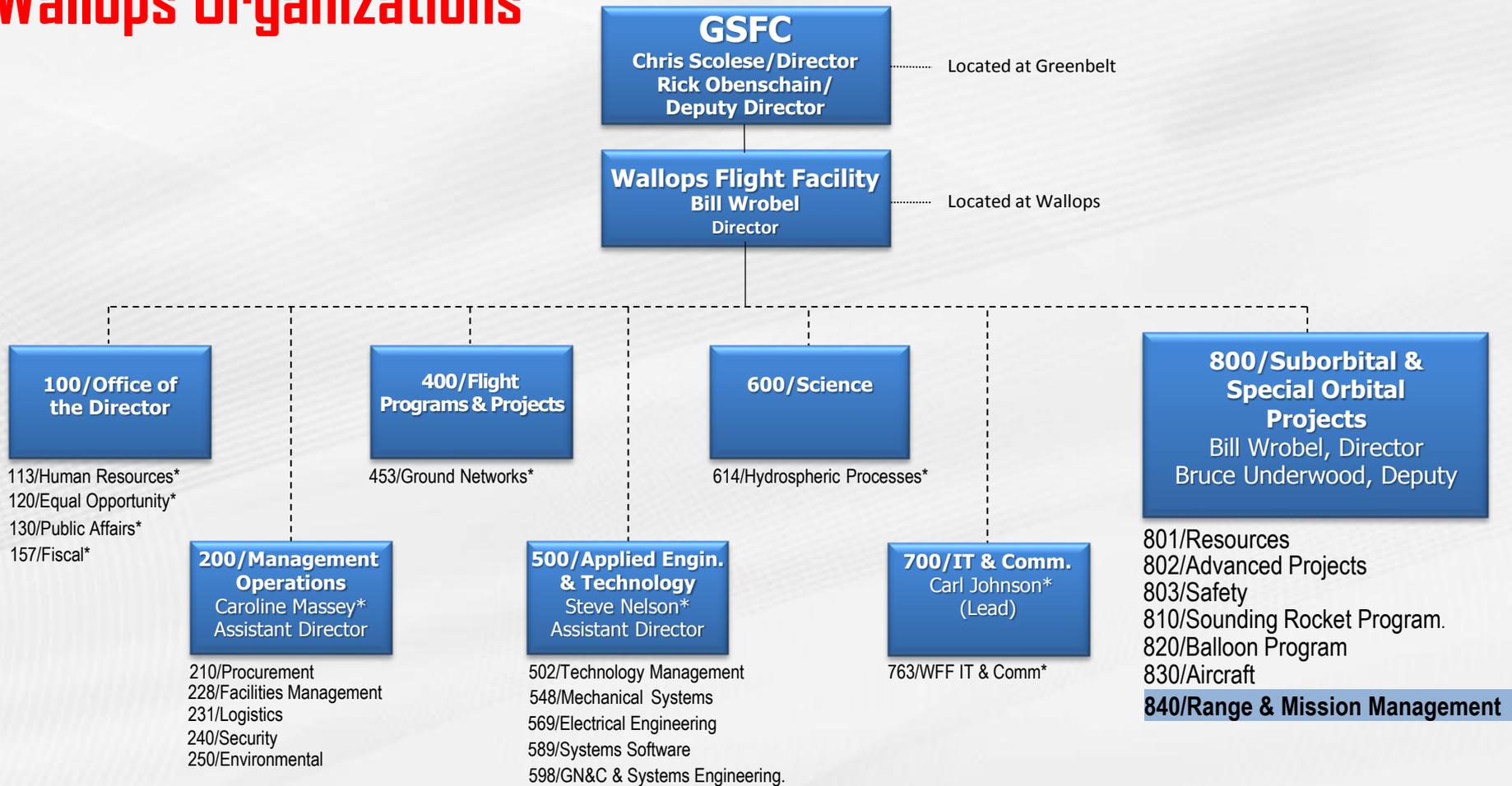


Island Facilities

- Southern 1/3 is dominated by Launchers and the UAV Runway
- Middle 1/3 is Mission Integration Facilities and Storage
- Northern 1/3 houses Instrumentation and Payload Processing Facilities as well as Navy Facilities



Wallops Organizations



* Report Directly to Offices at Greenbelt



Key Team Members

- **Source Selection Authority (SSA):**
 - To Be Determined
- **Source Evaluation Board (SEB) Chair:**
 - Robert K. Hurley, Code 840
- **Contracting Officer:**
 - Cedric M. Mitchener, Code 210



Key Activities Completed to Date

- Initial Request for Information (RFI) to Industry released on August 1, 2013
- Draft Solicitation released on February 18, 2015
- Amendment 01 to Draft Solicitation released on March 6, 2015.
- Industry Day held on March 12, 2015



Plan of Action

- Final Solicitation Release on: April 13, 2015
- Proposals Due: May 13, 2015
- Evaluation Complete: October 13, 2015
- Revised Proposals Due: Late-December 2015 Timeframe
- Selection: Early-March 2016 Timeframe
- Contract Award: Late Summer of 2016
- Phase-in Period: August 1, 2016 through September 30, 2016 (60 days)
- Contract Effective Date on: October 1, 2016



Websites

- All ROC II Documents can be found through the NASA Acquisition Internet Site (NAIS) webpage:
 - <https://prod.nais.nasa.gov/cgi-bin/eps/sol.cgi?acqid=163243#Draft%20Document>
- ROC II eLibrary location:
 - <https://foiaelibrary.gsfc.nasa.gov>
- ROC II eLibrary includes:
 - Project Plans
 - Historical Data
- Check the Websites periodically for updates



Acquisition Background

The ***NASA Research Range Services Program*** requires services for Wallops Range instrumentation operations and maintenance; support services; training; command, control, communications, information and computer systems services; testing, modifying, installing, and operating communications and electronic systems, ground support systems, and spacecraft and launch vehicle processing systems at launch facilities, spacecraft processing facilities, launch vehicle processing facilities, launch control centers and test facilities; operating and maintaining suborbital launch systems; and flight and ground systems technology development engineering services.



Summary

- **Title:** Range Operations Contract II
- **Description of Effort:** The NASA Research Range Services (RRS) Program supports NASA's mission objectives by providing tracking, telemetry, meteorological, optical, and command and control services for flight vehicles including orbital and suborbital rockets, aircraft, satellites, balloons and Uninhabited Aerial Vehicles (UAVs), providing real-time display and capture of mission-specific flight, payload and science data.
- **Estimated Value:**
 - Core: TBD
 - IDIQ: Minimum Ordering Value is \$100K; Maximum Ordering Value is \$28M, plus 25% Unilateral Adjustment Capability for the base period
- **History/Follow-on Contract:**
 - This is a follow on contract under Contract Number NNG10WA14C. LJT and Associates is the incumbent and can propose
 - Current contract ends August 26, 2015



Summary (cont.)

- **Type of Competition:** Full and Open
- **Contract Type:** Cost-Plus-Fixed-Fee (CPFF) Core with, CPFF Indefinite Delivery Indefinite Quantity (IDIQ)
 - **Core Statement of Work** Contains Performance-Based Requirements
 - **Task orders** will include performance-based requirement descriptions
 - **Not a Personal Service Contract**
 - **Contract Period:** 5-Year Period of Performance/Effective Ordering Period – 2-Year Base with one 2-Year Option and one 1-year option
 - **Phase-In Period:** 60 days, separate fixed price contract vehicle
 - **Place of Performance:** Wallops Flight Facility and other downrange tracking sites (example: Australia, Alaska, Bermuda, Kwajalein, Norway)
- **NAICS Code:** 517919 for “All Other Telecommunications” (\$30M)
- **Challenges of Unique Aspects of this Procurement:**
 - Launch Range Operations are extremely unique requirements
 - Personnel and Public Safety are driving factor behind all services provided under this contract so service quality and availability is critical.



Overall Evaluation

- **Conducted in accordance with FAR 15.3 and NFS 1815.3, Source Selection Procedures**
- **Evaluation Process**
 - Mission Suitability
 - Cost
 - Past Performance



Overall Evaluation (cont.)

Mission Suitability

- In accordance with NFS 1815.304-70(b)(1), the Mission Suitability factor will be weighted and scored on a 1000 point scale.
- The weights (points) associated with each Mission Suitability subfactors are as follows:
 - Subfactor A: Technical Approach & Understanding the Requirement 500
 - Subfactor B: Management Approach (Including Safety and Health Plan) 400
 - Subfactor C: Small Business Utilization 100
 - Total Possible Points 1,000
- The Mission Suitability subfactors will be evaluated using the adjectival rating, definitions, and percentile ranges at NFS 1815.305(a)(3)(A). The maximum points available for each subfactor will be multiplied by the assessed percent for each subfactor to derive the score for the particular subfactor. For example, if a subfactor has possible 200 points and receives a percent rating 80, then the score for that subfactor would be 160 points.



Overall Evaluation (cont.)

Cost

- The proposed costs of the Core, inclusive of options, the firm fixed phase-in price, and the rates proposed in Attachment C, Direct Labor Rates, Indirect Rates and Fee Matrices, will be assessed to determine reasonableness and cost realism, as well as form the basis for selection. The evaluation will be conducted in accordance with FAR 15.305(a)(1) and NFS 1815.305(a)(1)(B).
- Offerors should refer to FAR 2.101(b) for a definition of “cost realism” and to FAR 15.404-1(d) for a discussion of “cost realism analysis” and “probable cost”.
- Both the “proposed and probable cost” will typically reflect the offeror’s proposed fee amount. Proposed fee will be corrected to resolve mathematical errors, if any. Proposed fee will not be adjusted as a result of any cost realism adjustments to establish probable cost.
- The total FFP Phase-in price and the proposed and probable Core cost assessment will be presented to the Source Selection Authority, as well as any cost risk associated with the proposal.



Overall Evaluation (cont.)

Past Performance

- Past Performance Criteria – The performance evaluation will be based primarily on customer satisfaction and/or contract data in meeting technical, schedule, cost, and management requirements. Additional performance factors may include contract administration, occupational health, safety, security, subcontracting plan goals and small disadvantaged business participation targets, if applicable, and other contract requirements.
- Past Performance Ratings
 - Very High Level of Confidence
 - High Level of Confidence
 - Moderate Level of Confidence
 - Low Level of Confidence
 - Very Low Level of Confidence
 - Neutral



Past Performance

- Past Performance will be assessed from:
 - Relevant Contracts
 - Significant Subcontracts
 - Questionnaires
 - Other Past Performance Data (i.e. Past Performance Information Retrieval System (PPIRS), Contractor Performance Assessment Reports System (CPARS), interviews, etc.)



Relative Order of Importance of Evaluation Factors

- Cost is significantly less important than the combined importance of the Mission Suitability Factor and Past Performance Factor.
- As individual Factors, the Cost Factor is significantly less important than the Mission Suitability Factor but more important than the Past Performance



Wallops Range Control Assets



Aeronautical Control Center



Safety



Breakout Room



Air Control Tower



Range Control Center



Data Acquisition & Processing Room



Surveillance



Wallops Main Base Fixed Radar Assets



Radar 18
C-Band Tracking



Wallops Island Fixed Radar Assets

Not Pictured:
WISSRDS-S Sea
Surveillance Radar



Airport
Surveillance
Radar-8



WISSRDS-X Sea
Surveillance Radar



Radar 5
C-Band Tracking



Radar 3
C-Band Tracking



Wallops Fixed Telemetry Assets



8 Meter



9 Meter



7.3 Meter #1 & #2



3.0 Meter



2.4 Meter

**Receiving & Readout
N-162**



Wallops Mobile Telemetry Assets

Other Mobile TM Systems:

20 Foot

7 Meter #1

7 Meter #2

10 Foot



Mobile Integrated Telemetry System



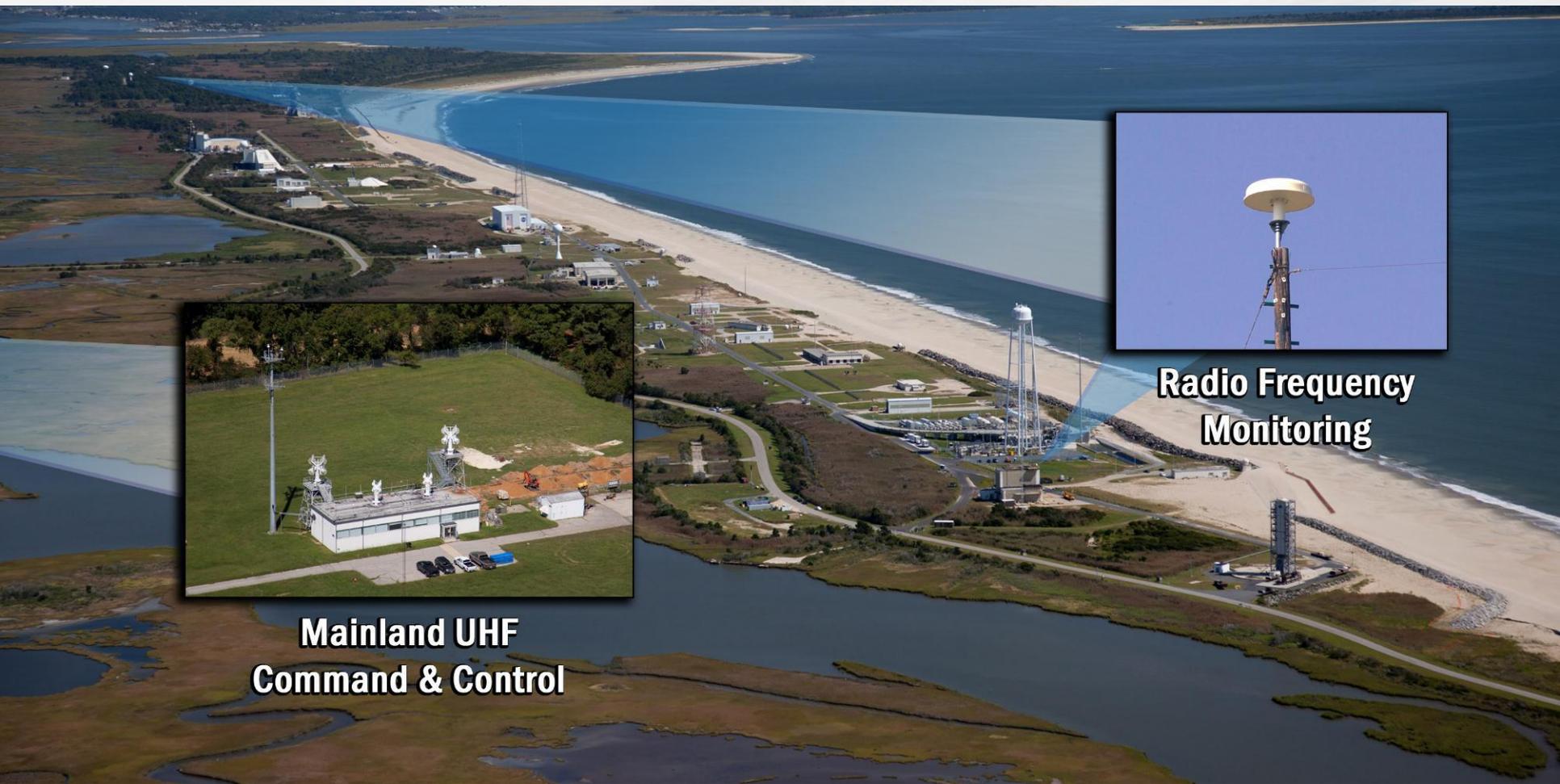
Mobile Operations Center (Part of Transportable Command and Telemetry Systems - TCATS)



Directional Command and Tracking Antennas (TCATS Antennas)



Wallops Island Command & Frequency Monitoring Assets



**Mainland UHF
Command & Control**



**Radio Frequency
Monitoring**



Wallops Main Base Command & Frequency Monitoring Assets



**UHF Command Receive
& Frequency Monitoring**



**Radio Frequency
Monitoring**



Wallops Main Base Meteorological Assets



**Met Ops
Balloon Launch
Facility**



Wallops Island Meteorological Assets



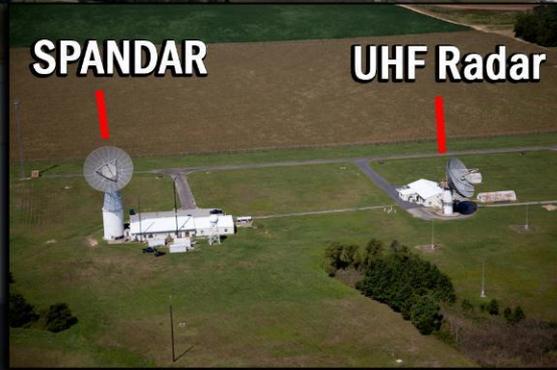
**300-Foot
Anemometer Tower**



**160-Foot Tower
Wind Weighting**



**Met Ops
Balloon Facility**



**Atmospheric Science
Research Facility**



Wallops Optical Tracking Assets



Camera Station X85



Camera Station V100



Camera Station U80



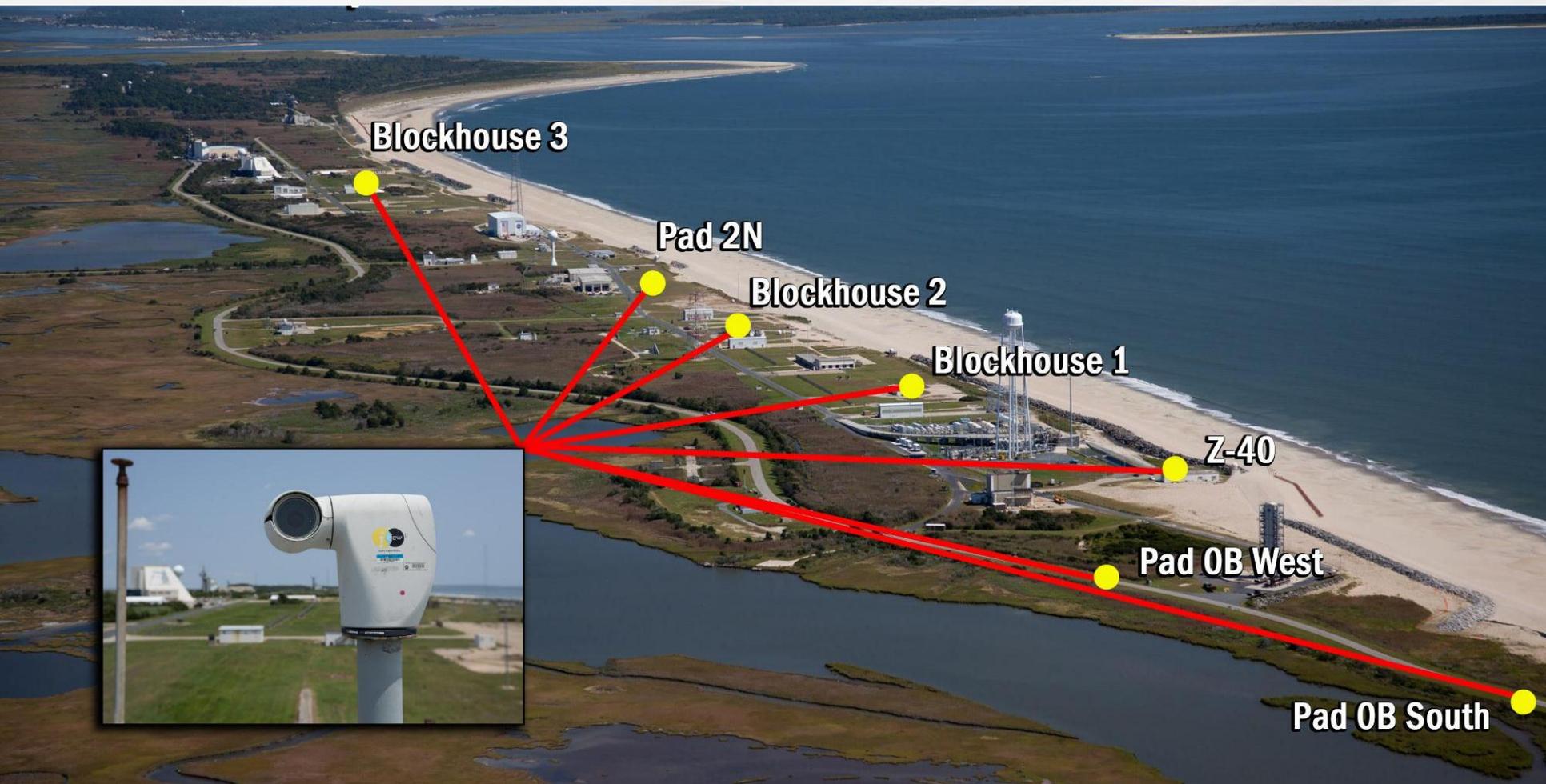
**Camera Station M1
Mobile Platform**



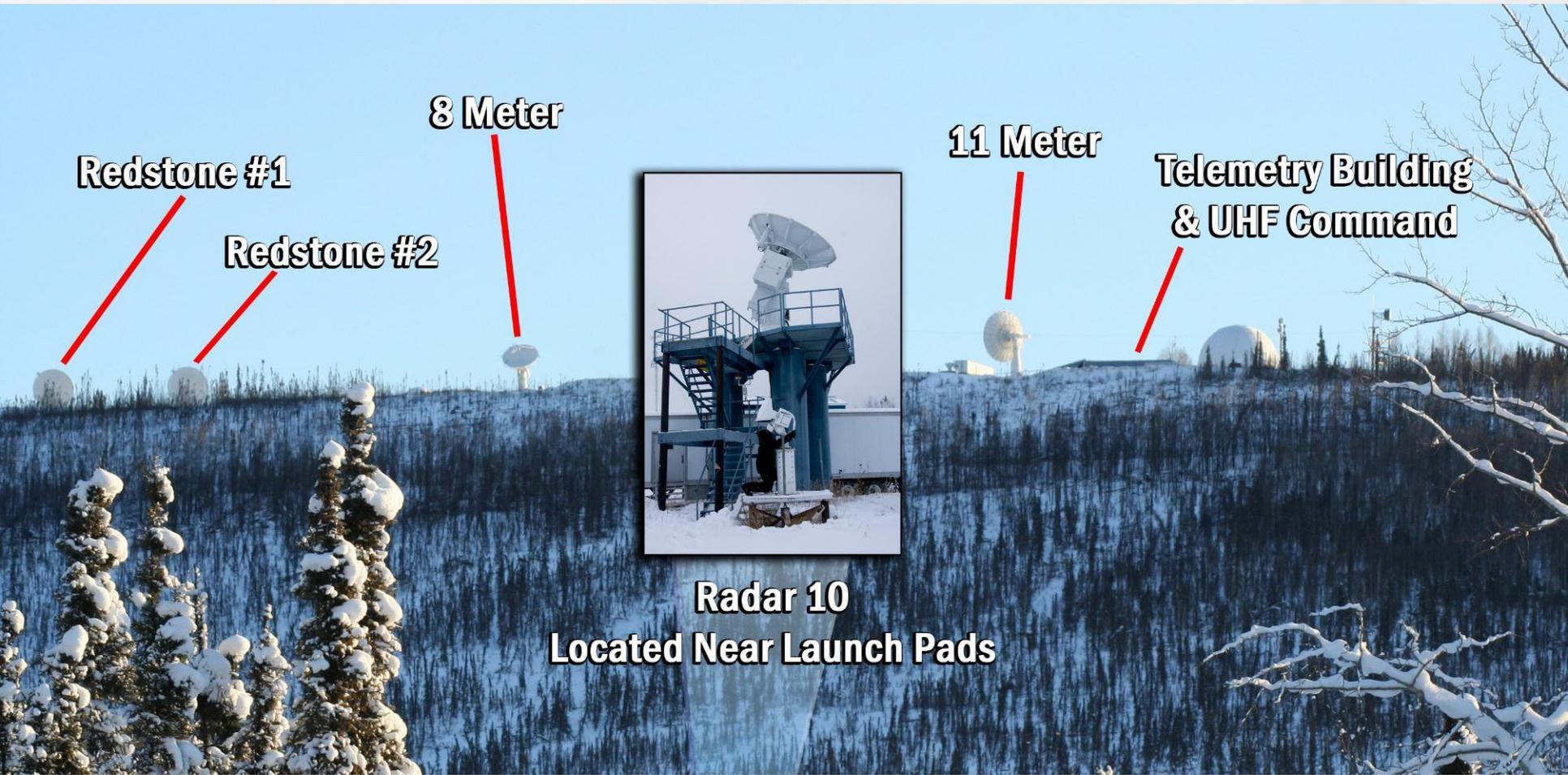
Camera Station X65



Wallops Island Video Surveillance Unit Locations



Wallops Assets at Poker Flat Research Range, Alaska



Redstone #1

Redstone #2

8 Meter

11 Meter

**Telemetry Building
& UHF Command**



**Radar 10
Located Near Launch Pads**



Wallops Assets at Coopers Island, Bermuda

