



## Virginia Commercial Space Flight Authority

4111 Monarch Way, Suite 303  
Norfolk, VA 23508  
(757) 440-4020

## Virginia Economic Incentives

- “Zero Gravity, Zero Tax” State income tax incentive
- “Spaceflight Liability and Immunity” legislation
- FOIA Relief
- Enterprise and Foreign Trade Zone Designation

### MARS & NASA offer customers access to Facilities & Services

Payload Processing, Vehicle & Spacecraft Integration, Dual Bay Horizontal Integration Facility, Launch Range Instrumentation & Control, Machine Shop & Test Lab, Orbital Launches from Pad-0A and -0B, Suborbital Launch Facilities and Services, Instrumented Airport, Range Support—Local & Down Range, Telemetry & Data Services, Material Handling & Logistics, Safety Analysis & Approval, Mission Analysis & Planning, Foreign Trade & Enterprise Zone, Tax Incentives, Meteorological Services, Optical & Photo Systems, and Surveillance of land, air & sea.

### Launch Trajectories

Launch azimuths from 90° E to 160° SE can be accommodated at Wallops Island. For most vehicles, this translates into orbital inclinations between 38° and approximately 60°. Trajectories outside of these launch azimuths, including polar and sun-synchronous orbits, can be achieved by in-flight maneuvers.



### Launch Pads

#### MARS Pad 0A

- Mid-Class Launch Facility (MCLF)
- GLOW: 1 Million+ lbs.
- Will be servicing payloads up to 15,400 lbs. to LEO with the Antares 230

#### MARS Pad 0B

- Small-Class Launch Facility (SCLF)
- GLOW: 750,000+ lbs.
- Currently servicing payloads of 8400 lbs. to LEO.

### Mid-Atlantic Regional Spaceport

Wallops Island, Virginia  
Latitude: 37.8 degrees N  
Longitude: 75.5 degrees W

[www.vaspace.org](http://www.vaspace.org)



# MARS Pad 0A

July 27, 2015



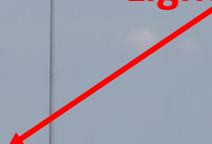
Water Deluge System



Ramp



Lightning Protection System



Liquid Fueling Facility (LFF)  
LOX, LN2, GN2, He

Launch Mount



Flame Trench



RP-1 Propellant

