

Advanced Launch System Complex



Description:

Area 1-120 consists of three liquid rocket stands, with five firing positions, a control center and various support facilities. Vertical Stand 1A is a single position stand designed for 1,500,000 lbs thrust liquid rocket systems. Vertical Stand 1B is a dual position stand designed for 6,000,000 lbs thrust liquid rocket systems. Stand 2A is a two-position horizontal stand

designed for 750,000 lbs thrust LOX/LH2/Hc component stand.

Purpose:

Full scale research on launch vehicle liquid rocket engine systems, sub-systems, and components.

Research includes extended duration testing at ground level.

Test firing of sub-systems and components at a 15 degree down angle orientation and complete integrated engine systems in a nozzle down orientation.

Products:

Testing and development of liquid rocket systems.

National Launch System (NLS) Program. Digital control and data acquisition systems.

Repair shop for transducers and other electrical equipment

Fuel and oxidizer storage vessels

Modern high pressure LOX/LH2 facility, designed to test full scale liquid engine components.

Availability:

U.S. Government agency use, DoD contractors and dual use/defense conversion use-limited on an as available basis.

Contact POC for additional information.