

Global Positioning System Operations Status



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Who We Are

2d Space Operations Squadron Mission

To provide positioning, navigation, and timing around the globe through an increasingly contested, degraded, and operationally limited environment.

Vision

The premier Global Navigation System provider of unparalleled positioning, navigation, and timing producing worldwide combat effects





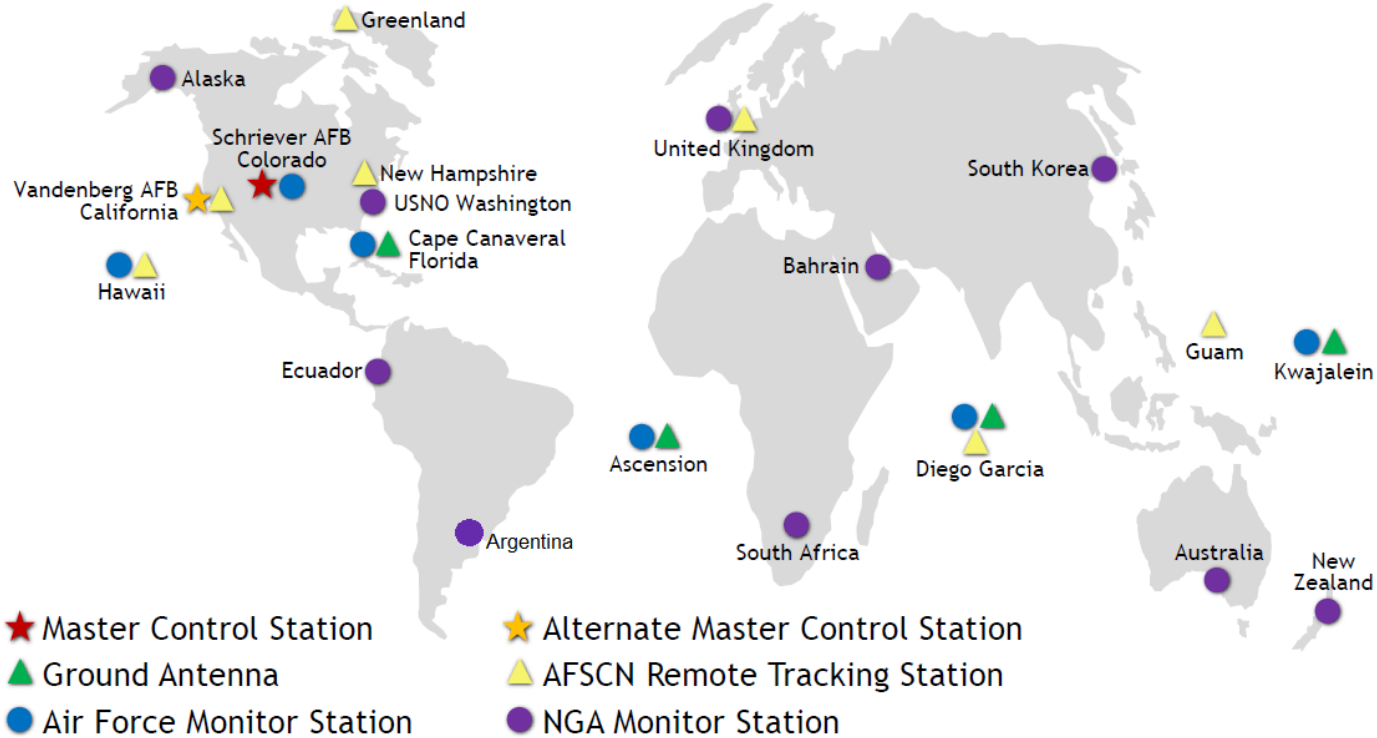
Who We Are

- Largest DoD satellite system
 - 35 satellites – 4 Residual
 - Robust system– IIA, IIR/IIR-M, IIF
- Total Force Integration
 - 2nd Space Operations Squadron (Active Duty)
 - 19th Space Operations Squadron (Reserve)
- Master Control Station (MCS) utilizing dedicated ground segment:
 - Dedicated Ground Antennas and Monitoring sites
 - Air Force Satellite Control Network (AFSCN)
 - National Geospatial Intelligence Agency (NGA)





Ground Segment





Position & Navigation

- Dual-Use System: Civil/Military
- Civil Uses
 - Personal Navigation
 - Airlines
 - Freight Shipment Tracking
 - Agricultural Uses
- Military Uses
 - Munitions Delivery
 - Friendly Force Tracking





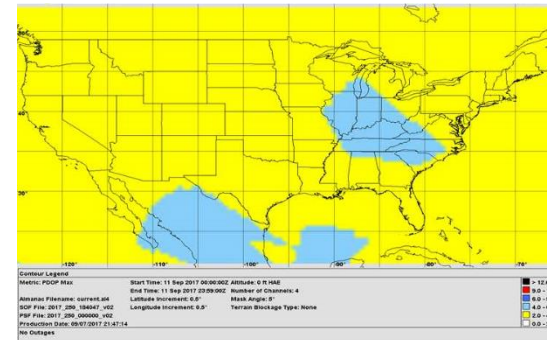
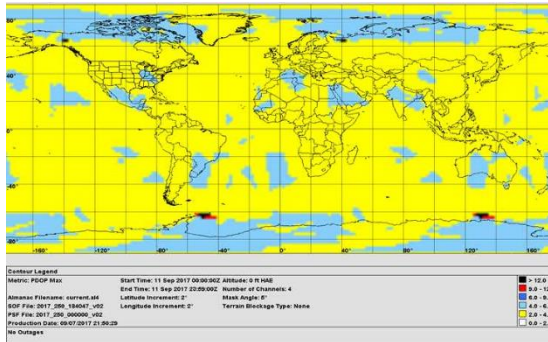
- Timing
 - Banking
 - Stock Markets
 - Credit Card Machines/ATMs
 - Cell Phone Networks
 - The Internet
 - Public Water System
 - Power Grid





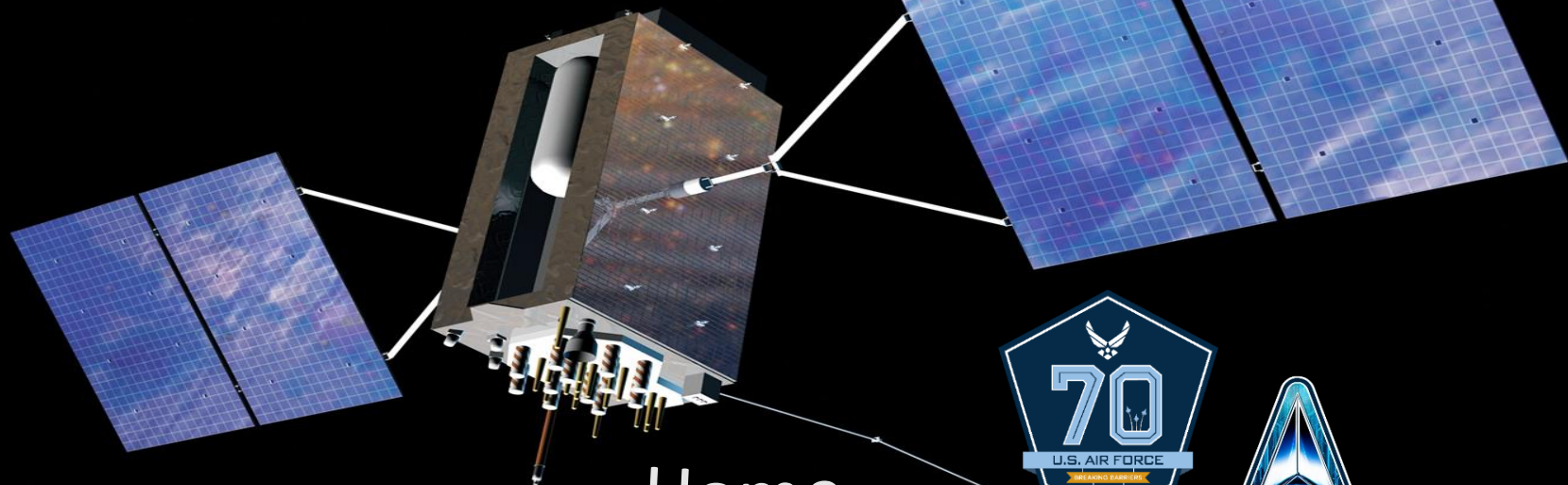
Mission Planning Cell

- DoD's focal point for authorized users
 - 24/7 Support – 911 for GPS user emergencies
 - Delivers 300+ mission planning products per day
 - Coordinates short-term tasking requests from headquarters
- External Civilian Coordination
 - Federal Aviation Administration (FAA)
 - United States Coast Guard Navigation Center (NAVCEN)



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2d Space Operations Squadron



Home
of the
Global Positioning System

