



Atmospheric and Space Technology Research Associates



WHO WE ARE

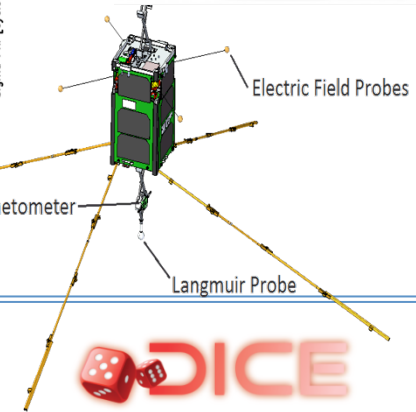
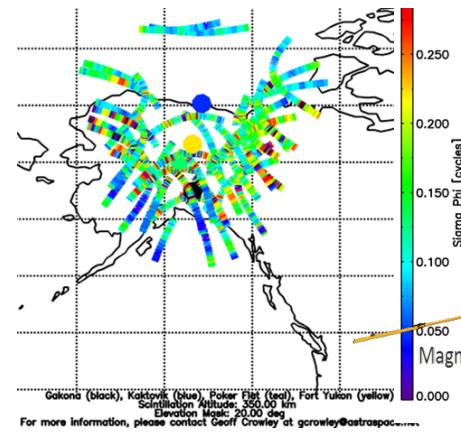
- **Small Business:** established 2005
- **Offices and labs:** in Boulder, Colorado
- **Core Expertise:** space physics, *hardware* (development and deployment of ground and space-based instrumentation), and *software* (modeling, simulation, data-assimilation)
- **Customers include:** DoD, NASA, NSF, private companies and universities

PRODUCTS AND/OR SERVICES

- **CASES/GAMMA:** Ionospheric Space Weather Monitors for Total Electron Content and Scintillation (based on GPS signals): Ground, buoys or Cubesats
- **TIDDBIT:** Traveling Ionospheric Disturbance Mapper
- **Cubesat Missions:** DICE and DIME Cubesat Missions
- **Cubesat Instrumentation**
 - ✧ UV Ionospheric Imaging System
 - ✧ Ionospheric Electric Field Probes
 - ✧ Topside Ionospheric Sounder
 - ✧ Remote Sensing Thermospheric Neutral Wind Profiler
- **Phone Apps for Space Weather**
- **Operational Space Weather Modeling:** ionosphere-thermosphere modeling, forecasts, nowcasts, historical analyses.

HIGHLIGHTS: Real-time Ionospheric Scintillation Monitoring, Ionospheric Specification/Forecast via Phone Apps, DICE & DIME Cubesats

Real-time Phase Scintillations in Alaska: **Active Conditions**



CONTACT INFORMATION

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