

SATELLITE 2010

Hosted Payloads: The View from the National Oceanic and Atmospheric Administration

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Satellite-Based Observations of the Oceans and Atmosphere

NOAA uses satellite-based observations for:

- Routine weather Forecasting
- Watches and Warnings of Severe Weather Events
- Space Weather
- Climate Monitoring
- Ocean Forecasting and Monitoring

NOAA obtains these observations through:

- Satellites owned by NOAA
- Satellites owned by NOAA's international partners
- NASA research satellites
- (new) Commercial solutions (such as hosted payloads)

Hosted Payloads: One of several commercial solutions

Observations need by NOAA that could be obtained by hosted payloads:

- Total Solar Irradiance
- GPS Radio Occultation
- Coronal Mass Ejection
- Ocean Color (low earth orbit)
- Advanced Atmospheric Soundings (geostationary)

Key Issue: NOAA prefers to have unrestricted data redistribution rights