

Vegetation Health Image Map Resources

[Current Vegetation Health Image Maps](#)

[Changes in Vegetation Health from Previous Week](#)

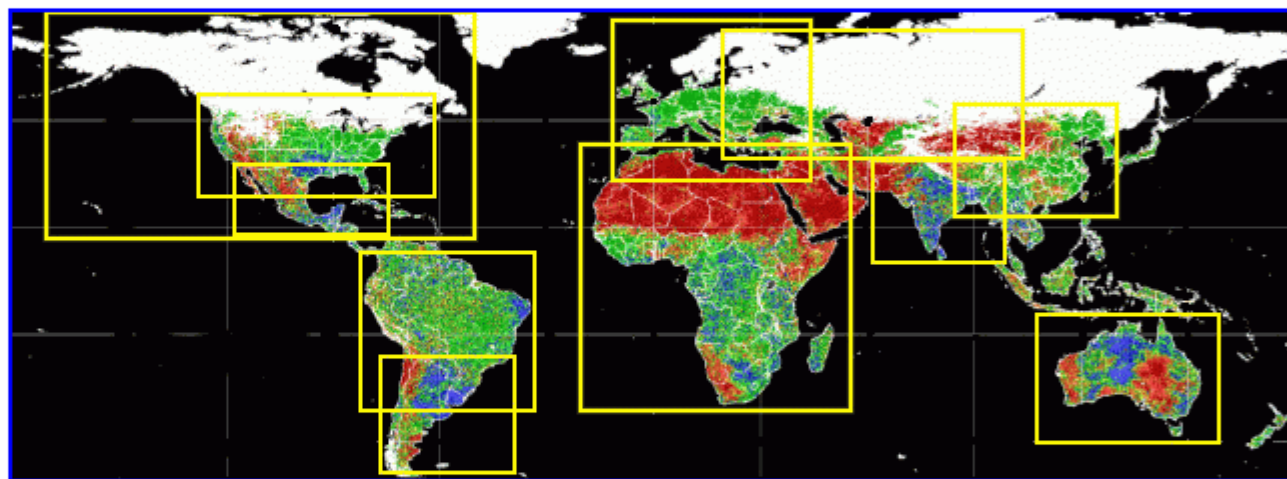
[Changes in Vegetation Health from Previous Year](#)

[Archived Vegetation Health Image Maps](#)

[Moisture and Thermal](#)

NOAA/NESDIS Office of Research and Applications

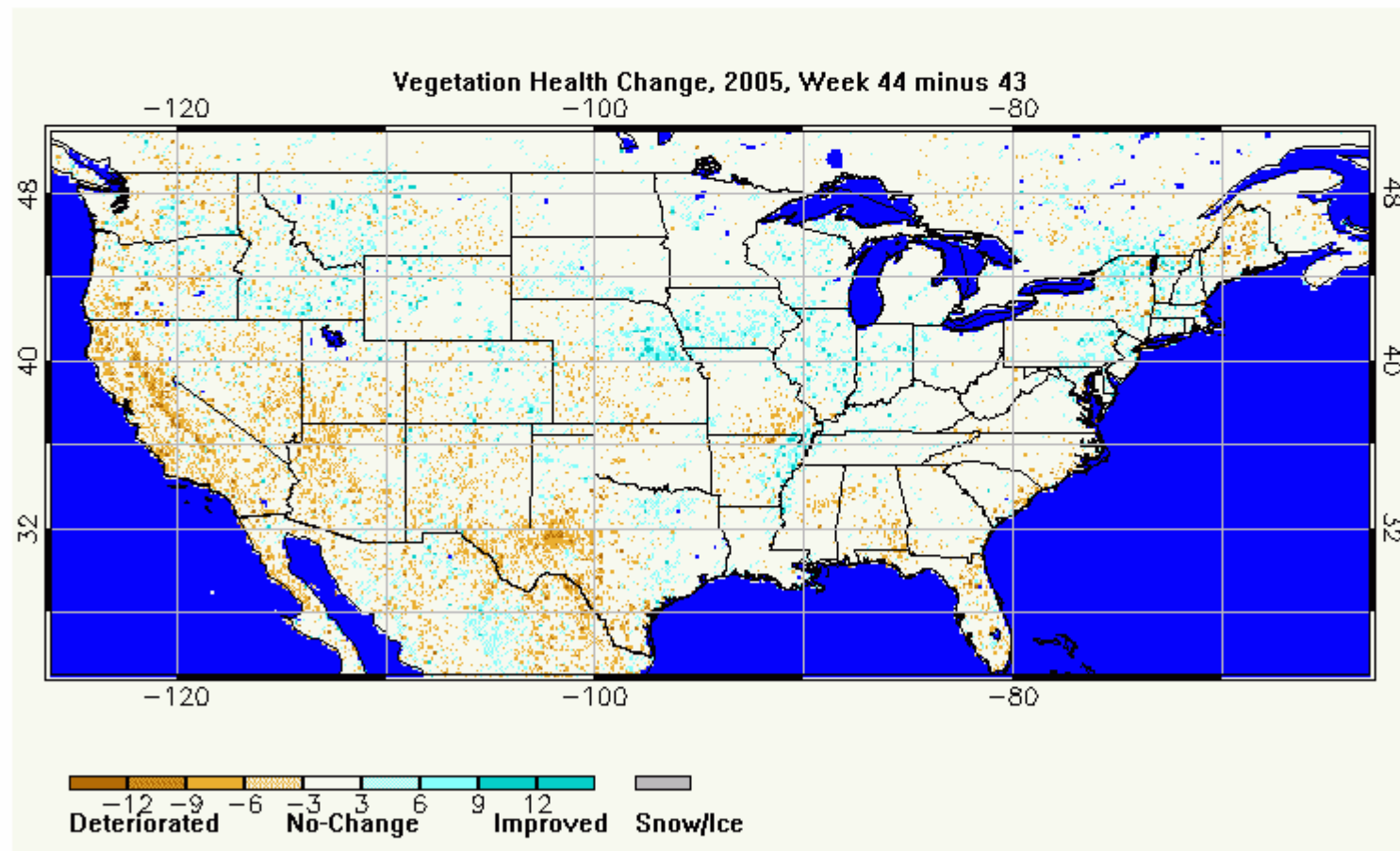
Current Vegetation Health Image Maps



- View the current Vegetation Health image map by clicking on the yellow box for your area of interest.
- View the current Vegetation Health image map for the entire globe by clicking on any area outside of the yellow boxes.
- Or click on any of these links:

◊ [The United States](#)

Change in Vegetation Health: Brown - Deteriation; Blue - Improvement



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[Current Vegetation Health Image Maps](#)

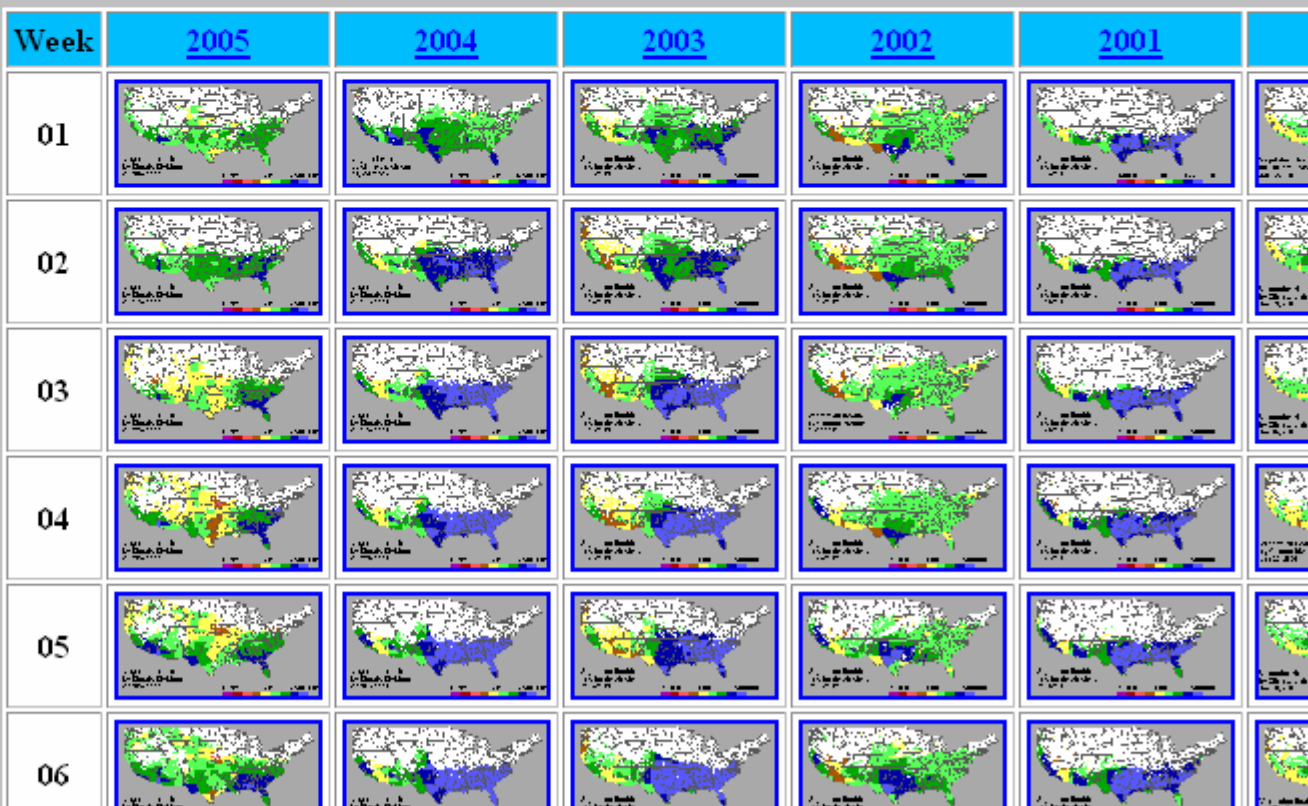
[Changes in Vegetation Health from Previous Week](#)

[Changes in Vegetation Health from Previous Year](#)

[Archived Vegetation Health Image Maps](#)

[Moisture and Thermal Condition Global Map](#)

Click on the thumbnails to view that week's image. Click on the link for years (1985 - 2005) to view an animation of that data.



NOAA-18 Instrument Calibration & Validation



What's New in NOAA-18 Instrument Cal/Val

- **HIRS longwave channel noise update:** Channel 1 remains uncalibrated due to space view saturation. Channel 3, 8, 11 and 12 meet the noise spec as of Sept 2, 2005. The rest of LW channel noise remain fluctuating near the specification
- **ORA Briefing on NOAA-18 cal/val status at polar satellite monthly**
- **ORA NOAA-18 Cal/Val Group Meeting (August 9, 2005, Agenda)**
- NOAA-18 was declared operational on August 30, 2005

[... More](#)

Background

Calibration & Validation Information

Archiving

Long-Term Goals



AMSU-A



MHS



HIRS/4



AVHRR/3



SBUV/2

Cal/Val Activities



► **Instrument Noise Characterization**



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► **Instrument Noise Characterization**



► **Instrument Noise Characterization**



► **Instrument Noise Characterization**

Sensor Summary



► **Geolocation & Co-registration**



► **Geolocation & Co-registration**



► **Geolocation & Co-registration**



► **Geolocation & Co-registration**



► **Geolocation & Co-registration**



► **Products Demo & Validation**



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► **Products Demo & Validation**



NOAA Satellites and Information

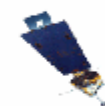
National Environmental Satellite, Data, and Information Service



Sensor Physics Branch



Integrated Satellite Instrument Calibration/Validation System



Introduction

Microwave Sounders >>

Microwave Imagers >>

IR Sounders >>

IR Imagers >>

VIS/NIR Imagers >>

Intra-satellite Calibration >>

Current Projects >>

Inter-satellite Cal. (SNO) >>

NOAA-18/HIRS

NOAA-17/HIRS

NOAA-16/HIRS

GOES

HIRS Spec. Resp. Functions

Planck Calculator

Forward Calculation

This integrated system is developed to independently verify the radiances produced by satellite instruments to better serve the user community in direct radiance assimilation for numerical weather prediction, physical retrievals, and climate monitoring and reanalysis. The core components of the system include:

Launch instrument characterization and long-term monitoring accuracy.

Verification of radiances using the simultaneous nadir overpass and polar overpass (SCO) methods.

Validation of radiances using state-of-the-science radiative transfer models and atmospheric profiles for validation and resolving spectral differences.

Calibration using hyperspectral data and atmospheric

● Intra-satellite calibration, or calibration between instruments on the same satellite, and inter-channel calibration.

