



1<sup>st</sup> CoastColour User Consultation Meeting Gulf of Mexico Monitoring in Support of Oil Spill Efforts

## CoastWatch Caribbean and Gulf of Mexico Regional Node Joaquin Angel Triñanes, Kent Hughes and

**Paul Digiacomo** 





Introduction

RS Products

**MERIS** 

Web Interface NOAA's CoastWatch Program makes environmental satellite data products and in-situ data available to Federal, state and local marine scientists, coastal resource managers, and the public. Managed by NOAA National Environmental Satellite Data and Information Service (NOAA/NESDIS), the CoastWatch Program routinely processes satellite data in near real-time, which means that products are just a few hours old.

Regional Node: Caribbean and Gulf Of Mexico (NOAA/AOML, Miami).









Frascati Nov 16<sup>th</sup>, 2010

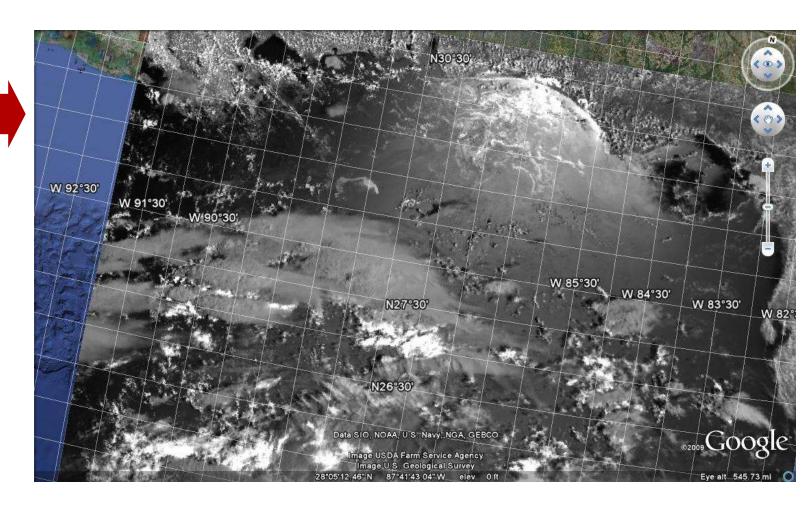


RS Products

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#### AVHRR 2010-06-26 15:41 ALBEDO



Frascati Nov 16<sup>th</sup>, 2010

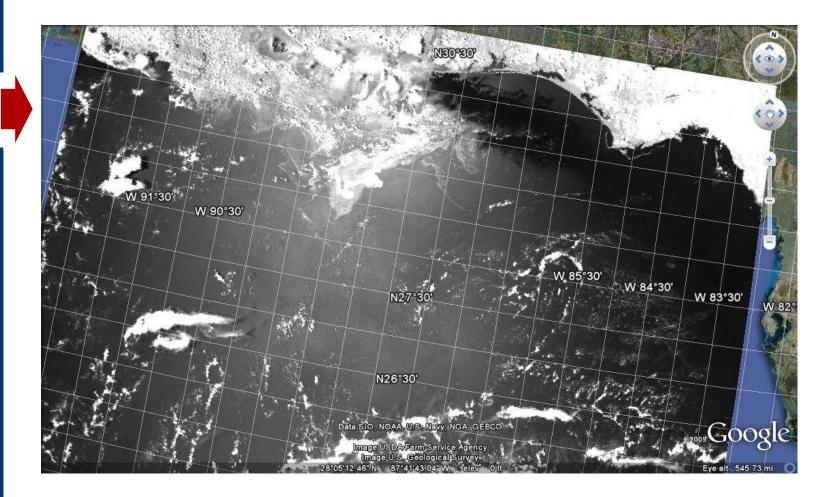


**RS Products** 

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#### AVHRR 2010-06-26 18:57 ALBEDO



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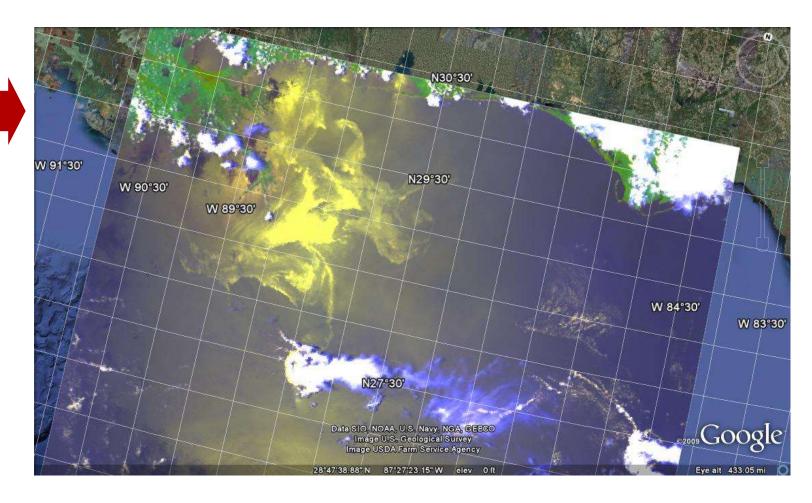


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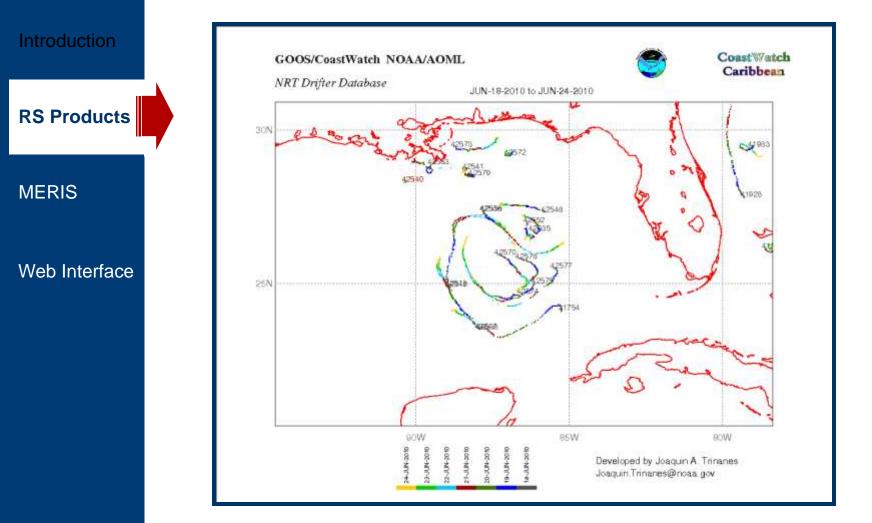


## AVHRR 2010-05-28 18:55 PSEUDOCOLOR



Frascati Nov 16<sup>th</sup>, 2010



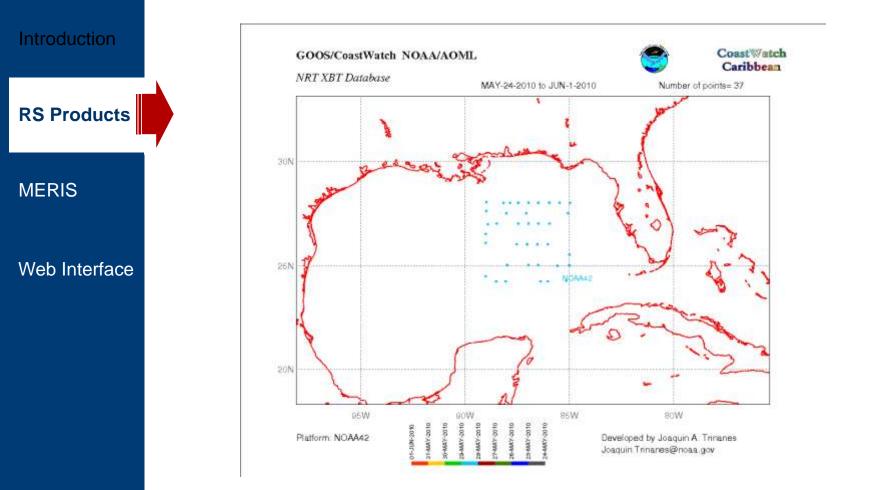


#### Drifters (NOAA/AOML)



Frascati Nov 16<sup>th</sup>, 2010



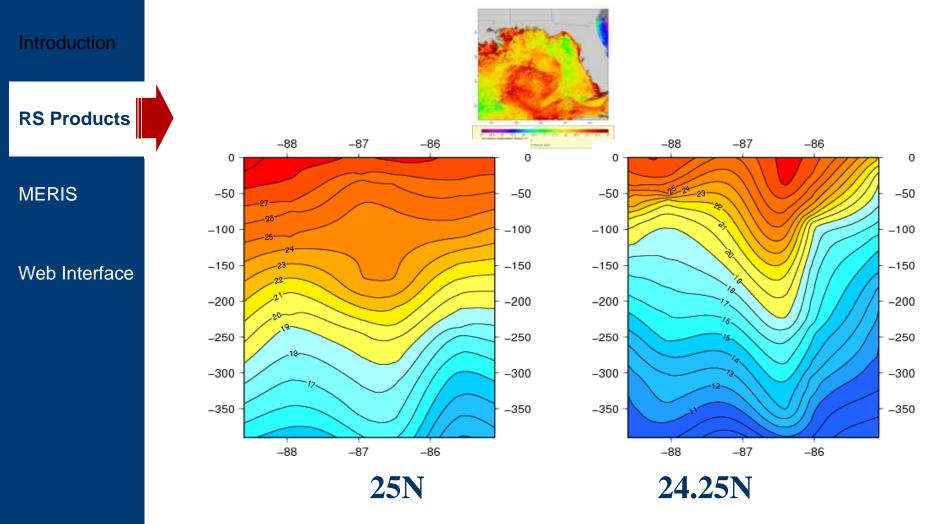


#### AXBTs (NOAA/AOML)



Frascati Nov 16<sup>th</sup>, 2010



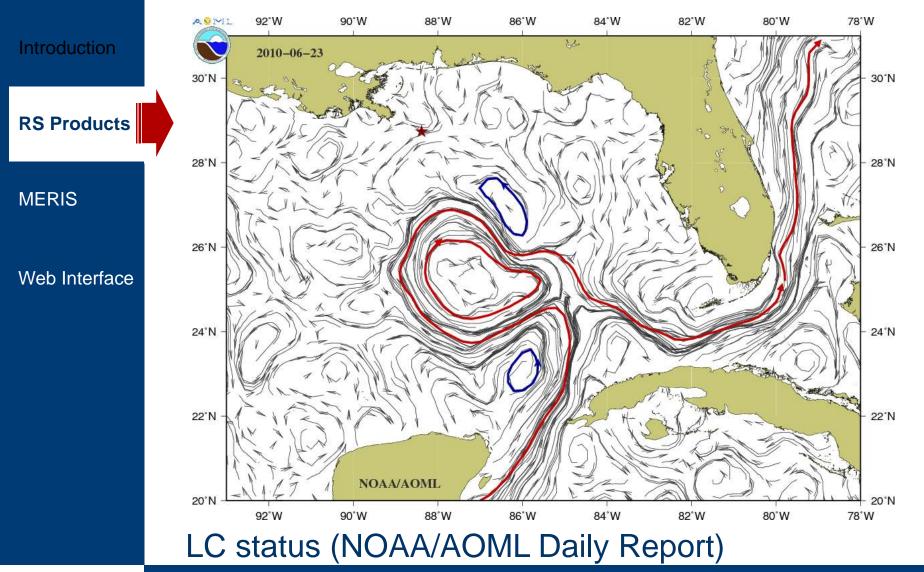


#### AXBTs (NOAA/AOML)



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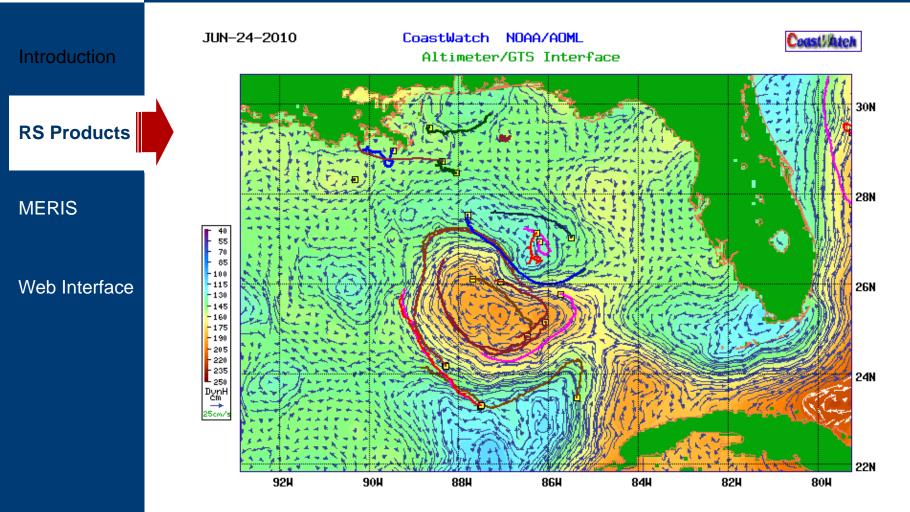






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#### **Currents+Drifters**



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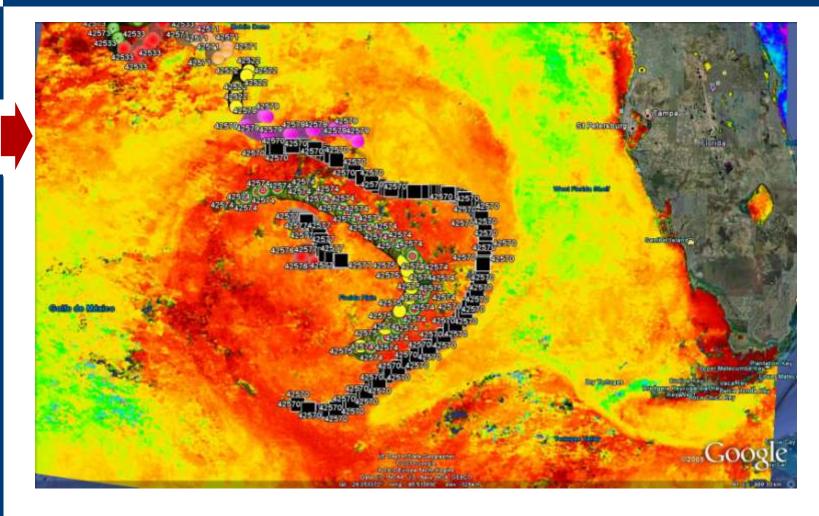


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#### **RS Products**

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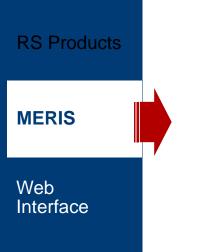
#### **SST+Drifters**



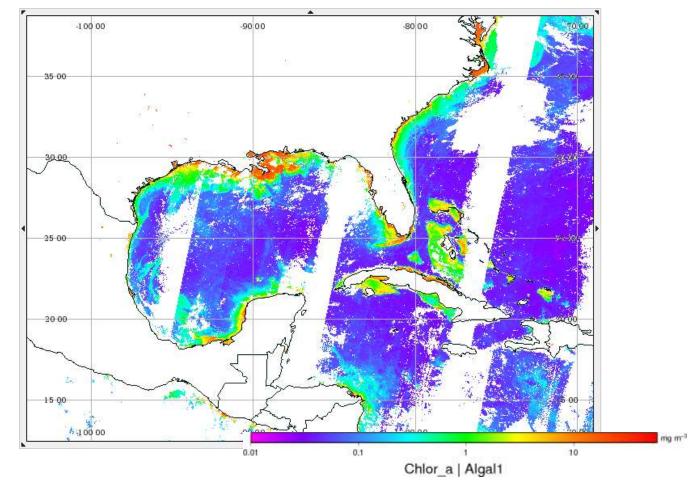
Frascati Nov 16<sup>th</sup>, 2010



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## MERIS FRS/RRL1B and L2 Products





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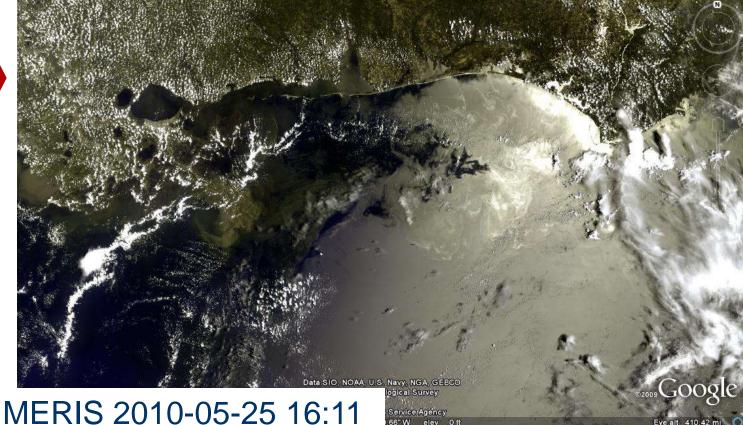
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#### Rs Products

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# WE WANT SUNGLINT!! Local Processing Time ~15 minutes Products used by NOAA/NESDIS/Satellite Analysis





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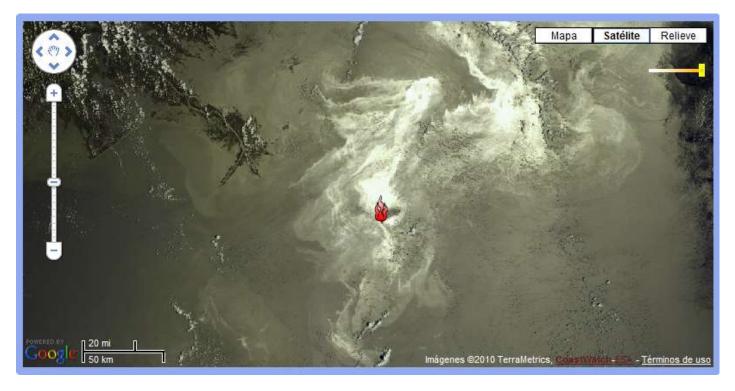
#### Rs Products



Web Interface

## • WE WANT SUNGLINT!!

- Local Processing Time ~15 minutes
- Products used by NOAA/NESDIS/Satellite Analysis Branch





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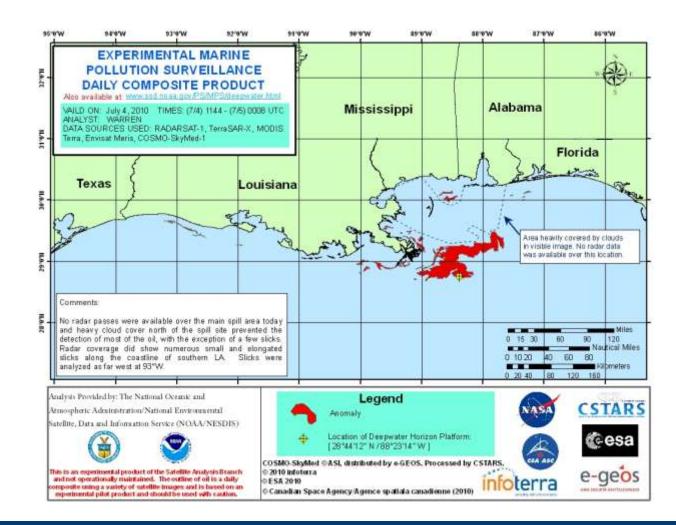
#### NESDIS Experimental Daily Composite Product

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Web Interface





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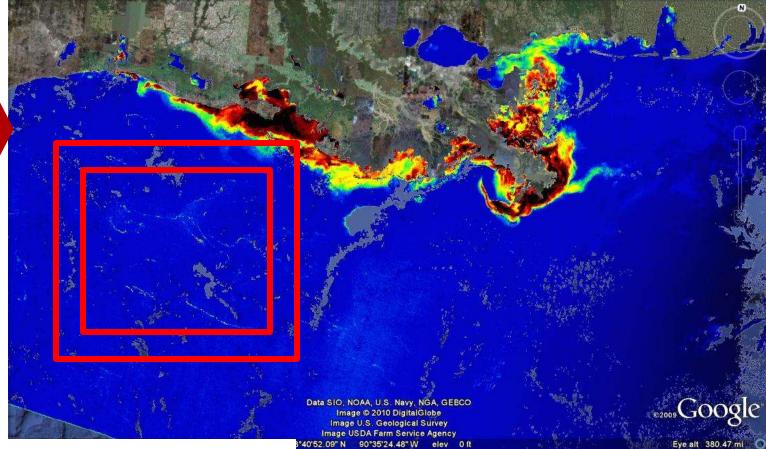
Introduction

#### RS Products

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#### Value Added Products: MCI



#### MERIS 2010-06-25



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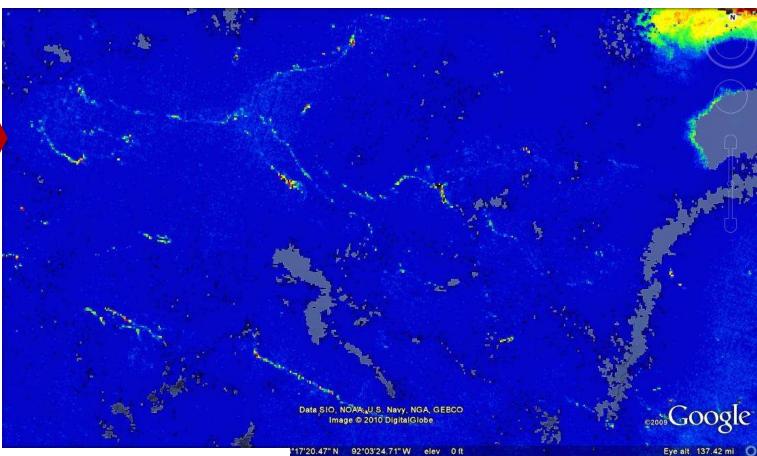
► MCI

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#### MERIS 2010-06-25



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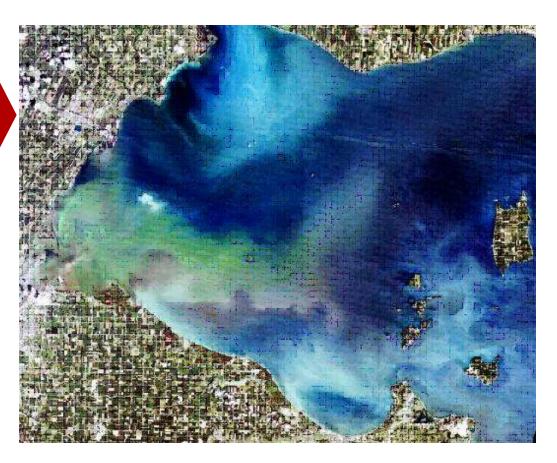
#### Cyanobacteria (R. Stumpf NOAA/NOS) Landsat "true color". Lake Eire

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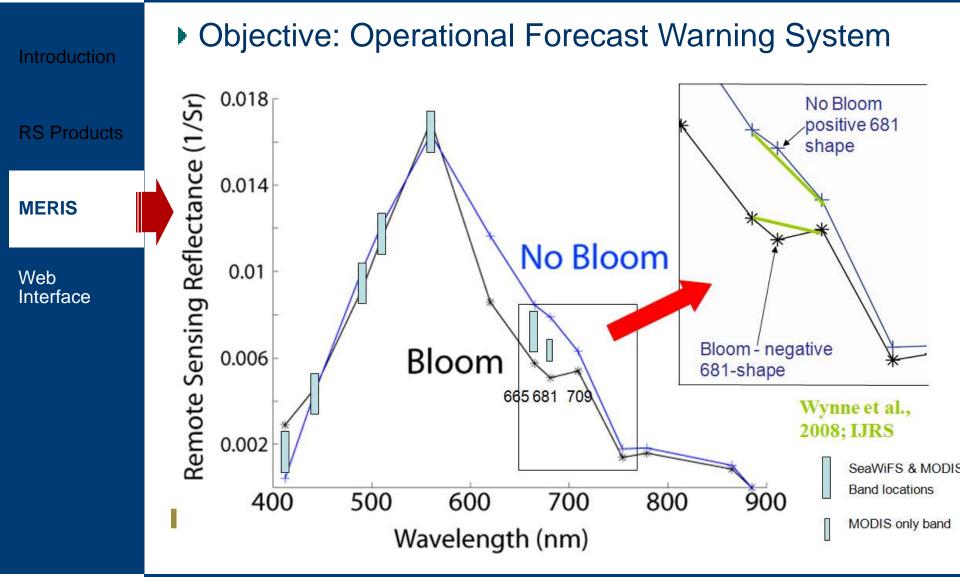




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Nov (6<sup>th</sup>, 2010







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## Google Maps Interface

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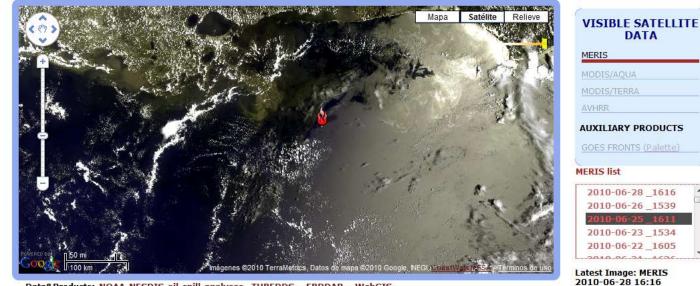
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Web Interface

#### http://cwcgom.aoml.noaa.gov/cgom/GMAPS/indexos.html



Caribbean and Gulf of Mexico Operational Data



 Data&Products:
 NOAA NESDIS oil spill analyses
 THREDDS
 ERDDAP
 WebGIS

 MODIS Imagery obtained from NASA/GSEC, MODIS Rapid Response
 MERIS imagery obtained from the European Space Agency(ESA)
 WebGIS

Compatible with Google Earth and OpenLayers

Easy to integrate with Web-Services (WMS, WCS)



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#### 1st CoastColour User Consultation Meeting

Google Earth KML OpenLavers



## Thank you

## **Contact:**

## Joaquin.trinanes@noaa.gov



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