

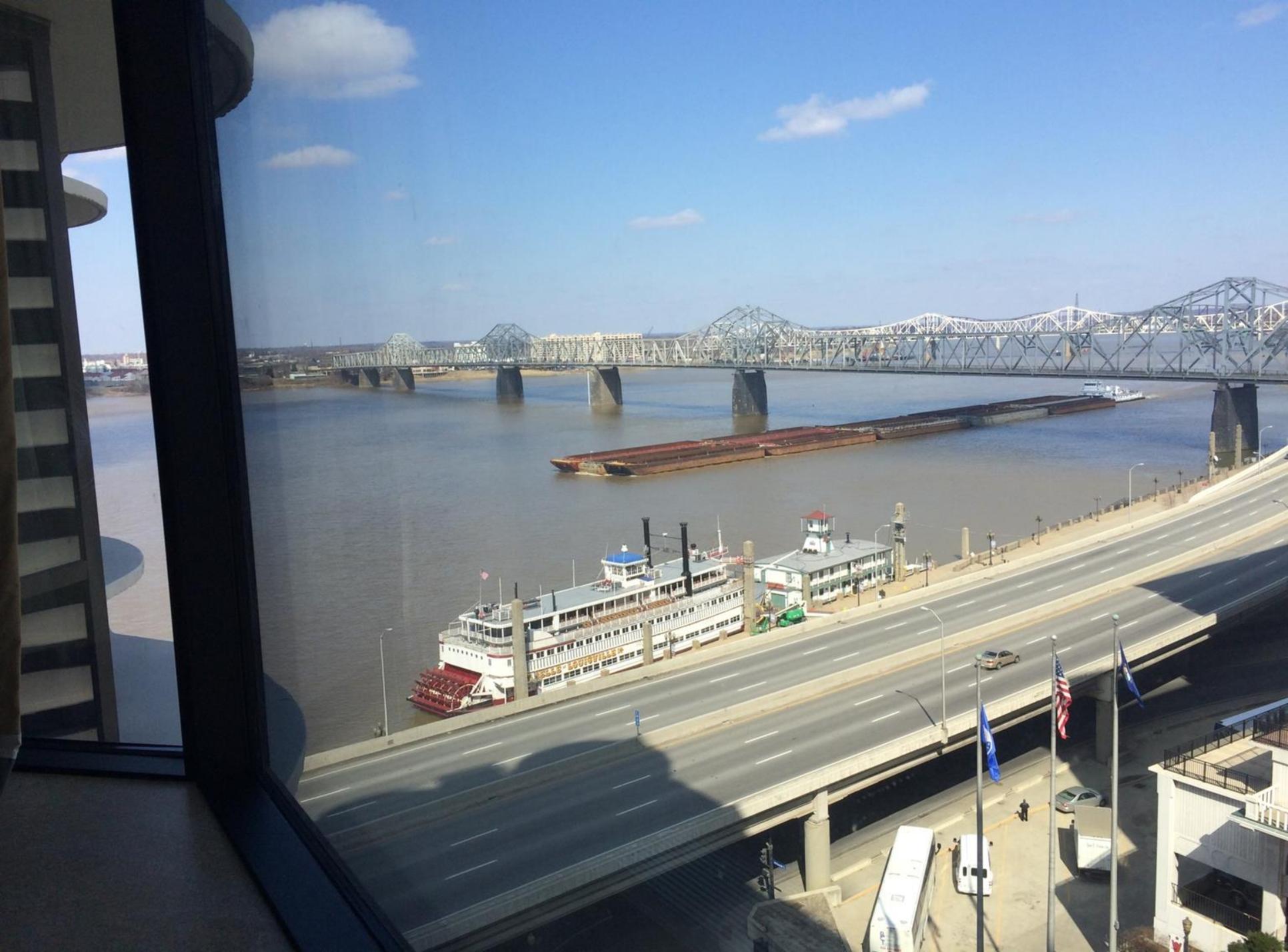
PICTORIAL REVIEW JACIE 2014

by Carrie Jucht



2014 JACIE Civil Commercial Imagery Evaluation Workshop





KENTUCKY
DERBY
MUSEUM

CHURCHILL DOWNS



BARBARO

PLEASE DO NOT CLIMB
ON THIS STATUE
OR THE GRANITE BASE.
This is the Final Resting Place of
2006 Kentucky Derby Winner
BARBARO

MUSEUM

CHURCHILL DOWNS



BARBARO

April 23, 2006 - Kentucky Derby Winner



PLEASE DO NOT CLIMB
ON THIS STATUE
OR THE GRANITE BASE
This is the Final Resting Place of
2006 Kentucky Derby Winner
BARBARO

KENTUCKY
DERBY
MUSEUM

CHURCHILL DOWNS



BARBARO

April 23, 2003 - January 29, 2007



PLEASE
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2006 Kentu
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SHOW
540
1340
540

RESULTS
1ST 16
2ND 4
3RD 3
4TH 5
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THE CROWN AND THE ROSES
The Kentucky Derby is the only horse race in the world that is held on the first Saturday in May. The race is held at Churchill Downs in Louisville, Kentucky. The winner of the Kentucky Derby is crowned the "King of the Turf" and is awarded a crown and a pair of white silks. The winner is also awarded a large bouquet of red roses. The Kentucky Derby is one of the most popular horse races in the world and is watched by millions of people each year.





1936 BOLD VENTURE

THE SHIRT CLUB

THE SHIRT CLUB

THE SHIRT CLUB

THE SHIRT CLUB





Owners & Trainers
No Smoking

Restroom
Men
Women

Engineers
Exit

1970 DUST COMMANDER

1971 CANONERO II

1972 RIVA RIDGE

1973 SECRETARIAT

1974 CANNONADE

1975 FOOLISH PLEASURE

1976 GOLD FIBRES

1977 SATTLEBLEN

TRACK PHOTO

& GALLERY

ESCALATORS









LONGINES

CHURCHILL DOWNS

LONGINES

CHURCHILL DOWNS

Lester & Steven Wilkoff

LONGINES



PLAY
OPENING APRIL 14th

EXIT

EXIT

EXIT

HORSE PLAY

OPENING APRIL 14TH





Douglas
[unreadable]
[unreadable]

TRACK
CONDITIONS

WEST!



EXIT

GRAND
PARK

THE RACE

Following the Kentucky Derby

1875-1899

Y TIMELINE 19

www.kentuckyderby.com





Landsat Continuity

Landsat 8
2013 - present

Landsat 7
1999 - present

Landsat 4 - 5
Landsat 4: 1982 - 1993
Landsat 5: 1984 - 2013

Landsat 1-3
Landsat 1: 1972 - 1978
Landsat 2: 1972 - 1976
Landsat 3: 1978 - 1983





Climate and Land Use Change
Earth Resources Observation and Science (EROS) Center

Assessing the Capabilities of Future Imaging Systems



U.S. Department of the Interior
U.S. Geological Survey

Author: John D. Anderson, et al.

Date: January, March 2014


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The Heart of Louisville





Outline

- Introduction
- Land Remote Sensing Satellite History
- Current Trends and Implications
- Concerns
- Resources

USGS





USGS, Land Remote Sensing Program

National Land Imaging Requirements (NLIR) Project



Presented at ASPDS Louisville
March 25, 2014
John L. Crease



OMB-OSTP Direction to NASA

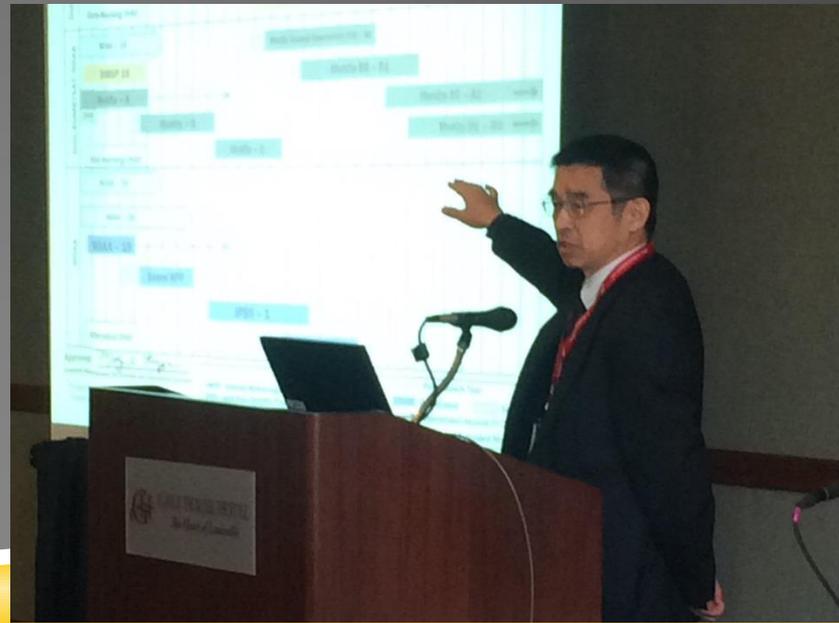
- \$30 million in FY14 for NASA to study options for a future sustained land imaging system, in collaboration with USGS.
- The study shall define a system for sustained global land-imaging multispectral and thermal infrared information for an approximately 20-year period starting in 2018.
- The study should provide options which consider various weightings of near-term capability, continuity/gap risk mitigation, and technology infusion over the system's lifetime.
- While the basic system requirement is the continuation of global data and information having the quality of Landsat-8 products, the study should consider refined capabilities requested by the user communities.

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EXIT

















Questions?

SAFETY TRAINING CENTER
The University of Maryland

Mapping Software







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Climate and Land Use Change
Earth Resources Observation and Science (EROS) Center

A look at Pleiades 1-B and SPOT data



U.S. Department of the Interior
U.S. Geological Survey

Ajit Sampath, Dong Han Lee
3/26/2014

GALT HOUSE B
The House of Learning

Ringing

Ringing may be after MFC in PAN

USGS

Speaker: A man in a light-colored jacket and glasses standing at a podium.

Speaker: A man in a dark suit jacket sitting in the foreground, viewed from behind.



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E

26 March 2024



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Welcome to JACIE



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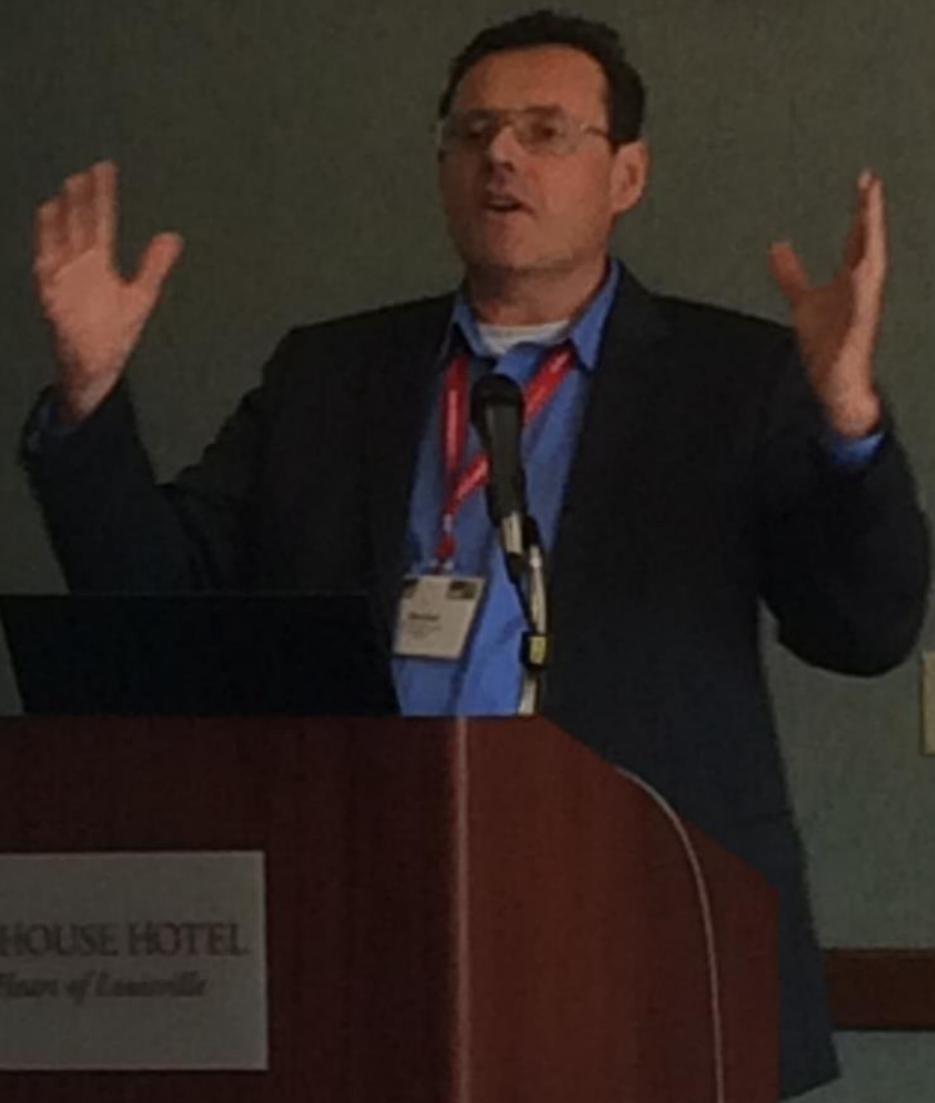


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mission system peripherals for all
ca and Z/T airborne sensors
unique in industry
and training savings for our
customers
reduced components
flexible aircraft installation
energy across all product lines
efficient workflow from mission
planning to post processing



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alignments



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Percentile Method

uation of Worldview-1 Basic 1B

vedPM/115_Bresnahan_IACIE_11.005.pdf

uation of GeoEye-1 Basic Stereo

vedPM/Bresnahan_10_005_

ville, KY



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Welcome to JACIE





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Skybox

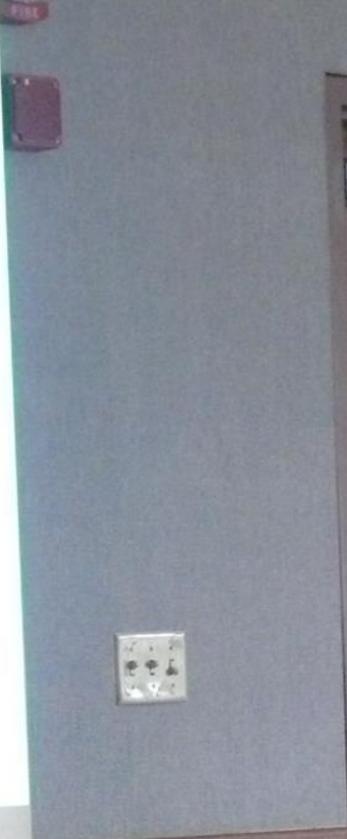
JACIE Conference



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2011 JACIE CONFERENCE











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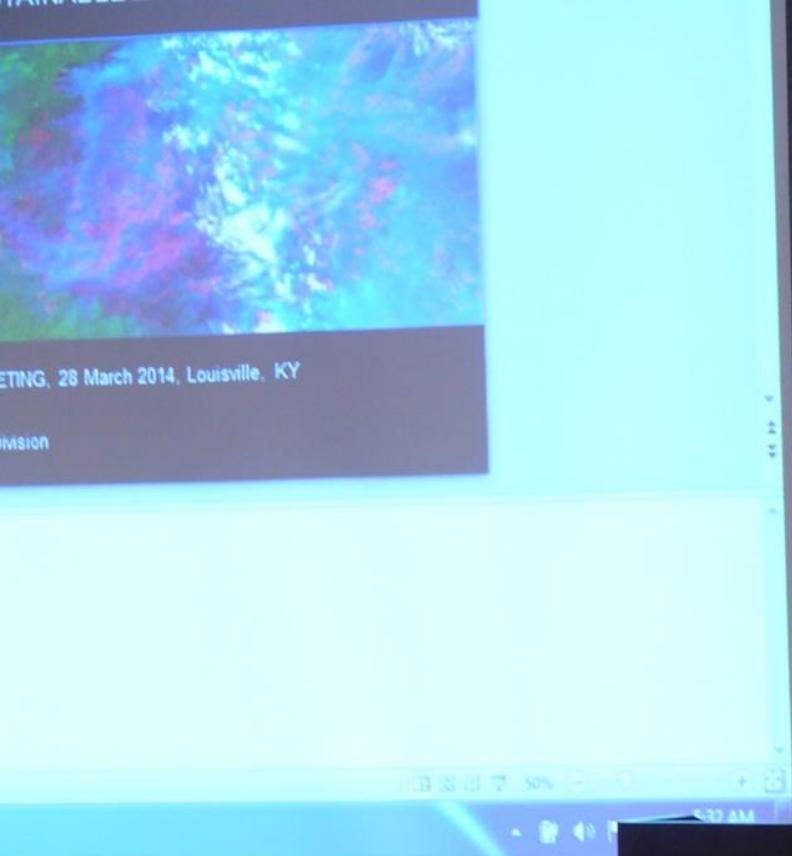




 GALT H
The H



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... from Landsat-Class Observations:
... on 10 Years of MODIS TERRA Daily Coverage



Williams¹, Samuel N. Goward², and Tatiana Loboda²
Technology, Inc., 7855 Walker Drive, Suite 200, Greenbelt, MD 20770
College Park, Department of Geographical Sciences, College Park, MD 20742
JACIE 2014



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Operational Challenges to Contemporary Satellite Imagery Characterization

Joint 2014 JACIE Workshop and ASPRS 2014 Annual
Conference

March 23 - 28, 2014
Louisville, Kentucky USA

Dath K. Mita, PhD

Bill Baker, PhD; Michael Toomey, PhD; Tatiana Nawrocki; Christianna
Townsend

International Production Assessment Division, Office of Global Analysis,
Foreign Agricultural Services, USDA



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A man with short brown hair, wearing a bright green zip-up sweater over a white collared shirt, is speaking at a dark wood podium. He is leaning forward and gesturing with his right hand. A silver microphone is positioned in front of him. The background is a plain, light-colored wall with a wooden baseboard. A sign on the podium is partially visible.

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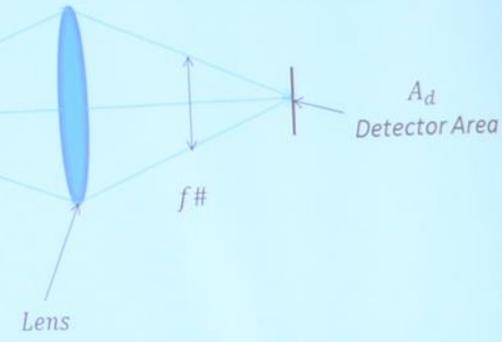
Performance

smaller detectors are needed to keep the sensor size down but decreases SNR

$$DN = g \tau A_d \frac{\pi}{4 f\#^2} \int_0^\infty L(\lambda) S(\lambda) d\lambda$$

- Digital Number
- Wavelength
- Spectral Radiance
- Spectral Response
- Integration Time
- Gain
- f-number

$L(\lambda)$
Spectral Radiance



2
R

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Introduction

- ▶ For many years, Landsat data has been used to monitor land cover and deforestation in different part of the world
- ▶ Optical remote sensing was widely used instrument to classify land cover
- ▶ In the tropics image classification using optical remote sensing is difficult
- ▶ This is due to lack of good quality Landsat or other optical data

H.Tadesse 3/28/2014

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vance²



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WELCOME TO JACIE

Someone says this is ugly so
make this prettier







THE ABSOLUTE RADIO CALIBRATION OF EAR OBSERVING SENSORS GROUND-BASED TECH

Jeffrey Czaplak-Myers¹, Nikolaus Anderson¹, Y

¹ Remote Sensing Group
College of Optical Sciences
University of Arizona
Tucson, Arizona, USA

² NASA
Gr

JACIE 2014, 26-28 March



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GEOMETRIC EARTH- SCIENCE USING TECHNIQUES

Kurtis Thorne², and Stuart Biggar¹

¹ NASA GSFC
Greenbelt, Maryland, USA

² Louisville, Kentucky, USA

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Ananya
PRESENTER





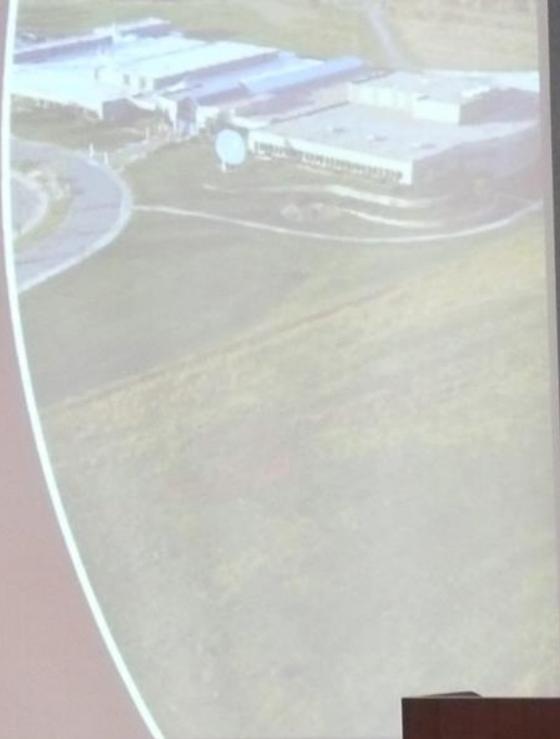




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of Leadership
Research



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GODDARD SPACE FLIGHT CENTER 

Sensor interconsistency to achieve climate-quality measurements

1. Introduction

2. Motivation

3. Methods

4. Results

5. Conclusions

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