



**American Geophysical Union Fall Meeting
December 14-18, 2009**

**SESSIONS RELATED TO
LANDSAT**

Organized by Date

Note: This document contains results of an agenda search
for the term, "Landsat," in either title or abstract,
conducted on November 18, 2009



American Geophysical Union Fall Meeting - December 14-18, 2009

**AGU Sessions related to
✧ Landsat ✧**

MONDAY – December 14

1:40 pm

Session Title: B13F. Remote Sensing of Terrestrial Carbon Fluxes II

Session Type: Oral

Chair: Abdullah Faizur Rahman **Chair:** Karl F Huemmrich

Location: 3018 (Moscone West)

Start time: Mon, Dec 14 - 1:40 PM

B13F-01. Monitoring crop gross primary productivity using Landsat data (*Invited*). A. A. Gitelson; Y. Peng; G. P. Keydan; J. Masek; D. C. Rundquist; S. B. Verma; A. E. Suyker
Mon, Dec 14 1:40 PM

TUESDAY – December 15

8:00 am

Session Title: H21C. Groundwater Hydrology Posters

Session Type: Poster

Chair: Shemin Ge **Chair:** Barbara A Bekins

Location: Poster Hall (Moscone South)

Start time: Tue, Dec 15 - 8:00 AM

H21C-0855. Irrigated Area Mapping in The Northern High Plains of Texas Using Landsat Thematic Mapper Data. C. M. Biradar; P. H. Gowda; J. E. Hernandez; T. A. Howell; T. H. Marek; X. Xiao

1:40 pm

Session Title: C23C. Monitoring and Quantifying Glacier Dynamics III Posters

Session Type: Poster

Chair: Shad O'Neel **Location:** Poster Hall (Moscone South)

Start time: Tue, Dec 15 - 1:40 PM

C23C-0512. Velocity Fields on the Larsen C Ice Shelf, Antarctic Peninsula, Using Repeat MODIS and Landsat Data.. T. Haug; A. Käab; P. Skvarca

Session Title: B23F. Remote Characterization of Vegetation Structure: Including Research to Inform the Planned NASA DESDynI and European Space Agency BIOMASS Missions I

Session Type: Oral

Chair: Sassan S Saatchi **Chair:** Michael J Falkowski **Chair:** Ralph Dubayah **Chair:** Alistair Matthew Stuart Smith

Location: 3018 (Moscone West) **Start time:** Tue, Dec 15 - 1:40 PM

B23F-03. Developing a Fine Resolution Forest Height Map for Mississippi Using Landsat Time Series Observations and GLAS Lidar Data. C. Huang; A. Li; H. Shi; G. Sun; Z. Zhu; S. N. Goward; J. Masek

WEDNESDAY – December 16

WHAT ABOUT IRONS TALK ON LDCM?

8:00 am

Session Title: B31A. Remote Characterization of Vegetation Structure: Including Research to Inform the Planned NASA DESDynI and European Space Agency BIOMASS Missions III Posters

Session Type: Poster

Chair: Ralph Dubayah **Chair:** Alistair Matthew Stuart Smith

Chair: Sassan S Saatchi **Chair:** Michael J Falkowski

Location: Poster Hall (Moscone South)

Start time: Wed, Dec 16 - 8:00 AM

B31A-0315. Biomass Accumulation Rates of Amazonian Secondary Forest and Biomass of Old-Growth Forests from Landsat Time Series and GLAS. *E. Helmer; M. A. Lefsky; D. Roberts*

Session Title: B31B. Remote Sensing of Vegetation Processes I Posters

Session Type: Poster

Chair: Matthias Drusch **Chair:** Elizabeth Middleton

Location: Poster Hall (Moscone South)

Start time: Wed, Dec 16 - 8:00 AM

B31B-0344. Mapping vegetation Leaf Area Index globally at 30m using Landsat/Global Land Survey data. *R. R. Nemani; S. Ganguly; J. L. Dungan; F. Gao; F. S. Melton; C. Milesi; W. Wang; P. Votava; A. Michaelis; R. B. Myneni*

B31B-0353. Vegetation cover mapping at multiple scales using MODIS, Landsat, RapidEye, and Aircraft imageries in the Texas High Plains.. *N. Rajan; P. H. Gowda; S. J. Maas; S. Basu; S. S. Nair* [V](#)

THURSDAY – December 17

1:40 pm

Session Title: B43C. Toward Phenological Assessments: Regional, National, Global IV Posters **Session Type:** Poster

Chair: Mark D Schwartz **Chair:** Geoffrey M Henebry **Chair:** Julio L Betancourt

Location: Poster Hall (Moscone South)

Start time: Thu, Dec 17 - 1:40 PM

B43C-0394. The Landsat Phenology Study (LaPS): Preliminary CONUS Results for 2008. *G. M. Henebry; D. Roy; J. Ju; V. Kovalsky*

B43C-0396. Phenologically informed re-ordering of Landsat to account for inter-annual variability: a method to map Ash trees (*Fraxinus* spp.) using remotely sensed imagery. *B. N. Isaacson; A. Singh; S. P. Serbin; P. A. Townsend*

Session Title: IN43C. Making Earth Science Data Records IV Posters

Session Type: Poster

Chair: Martha E Maiden **Chair:** Margarita Gregg

Location: Poster Hall (Moscone South)

Start time: Thu, Dec 17 - 1:40 PM

IN43C-1162. Enabling New Research with Free Landsat Data. *R. Headley*

IN43C-1166. Web-enabled Landsat Data (WELD): Demonstration of MODIS-Landsat Data Fusion to Provide a Consistent, Long-term, Large-area Data Record for the Terrestrial User Community. *D. Roy; J. Ju; E. F. Vermote; C. Zhang; A. Egorov; V. Kovalsky; T. R. Loveland; M. C. Hansen; P. L. Scaramuzza; K. Kline; J. Yeom; I. Kommadreddy*

FRIDAY – December 18

8:00 am

Session Title: C51B. Remote Sensing of the Cryosphere III Posters

Session Type: Poster

Chair: Thomas H Painter **Chair:** Marco Tedesco

Location: Poster Hall (Moscone South)

Start time: Fri, Dec 18 - 8:00 AM

C51B-0468. Analysis of Springtime Lake-Ice Coverage on the Western Arctic Coastal Plain of Northern Alaska Using Historical Landsat Imagery . *B. S. Winston; K. M. Hinkel; C. A. Shah; E. A. Lyons*

C51B-0478. Examining the Relationship between Surface Melt Magnitude and Outlet Glacier Terminus Changes using coupled MODIS Optical and Thermal Signatures and LANDSAT over Vatnajokull Ice Cap from 2000-2008. *D. J. Lampkin; D. K. Hall; T. Korkmaz*

C51B-0480. FRACTIONAL SNOW COVER ESTIMATION IN COMPLEX ALPINE-FORESTED ENVIRONMENTS USING IKONOS/QUICKBIRD, LANDSAT AND MODIS. *E. H. Czyzowska; K. K. Hirschboeck; W. T. Wisniewski*

Session Title: GC51A. High-Latitude Environmental Change Posters

Session Type: Poster

Chair: James W C White **Chair:** Maribeth S Murray

Chair: jean-claude J Gascard

Chair: Shari Gearheard

Location: Poster Hall (Moscone South)

Start time: Fri, Dec 18 - 8:00 AM

GC51A-0708. A Yukon River Basin Landsat Mosaic for Assessing Environmental Change . *M. A. Bouchard; J. L. Dwyer; B. Granneman*

Session Title: P51G. Titan and Lakes: Geography, Limnology, and Astrobiological Potential I Posters

Session Type: Poster

Chair: Olivier Bourgeois **Chair:** Scot CR Rafkin

Location: Poster Hall (Moscone South)

Start time: Fri, Dec 18 - 8:00 AM

P51G-1191. Mapping Glacial Lakes on the Tibetan Plateau with Landsat TM/ETM+ Imagery. *J. Li; Y. Sheng*

Session Title: B51H. Impacts of Disturbance on the North American Terrestrial Carbon Budget I **Session**

Type: Oral

Chair: Eric S Kasischke **Chair:** David McGuire

Location: 3018 (Moscone West)

Start time: Fri, Dec 18 - 8:00 AM

9:30 am:

B51H-06. Conterminous U.S. Forest Disturbance Dynamics Evaluated from Landsat Time Series Stacks . *S. N. Goward; R. E. Kennedy; J. Masek; W. B. Cohen; G. G. Moisen; C. Huang; N. Thomas; K. Schleeweis*

(Landsat-related Sessions, Friday, continued)

1:40 pm

Session Title: B53D. Impacts of Disturbance on the North American Terrestrial Carbon Budget III Posters

Session Type: Poster

Chair: Eric S Kasischke **Chair:** David McGuire

Location: Poster Hall (Moscone South)

Start time: Fri, Dec 18 - 1:40 PM

B53D-0428. U.S. Forest Disturbance Evaluated using Landsat Observations and FIA Measurements: Initial Results and Ongoing Research in the North American Forest Dynamics (NAFD) Project. *N. Thomas; S. N. Goward; J. Masek; W. B. Cohen; G. G. Moisen; C. Huang; R. E. Kennedy; S. P. Healey; S. L. Powell; K. Schleeweis; A. Hinds; K. Rishmawi*

Session Title: H53L. Remote Sensing and Hydrogeophysics Applications for Modeling of Land Surface Hydrological Processes II

Session Type: Oral

Chair: Adam S Ward **Chair:** Jennifer M Jacobs

Location: 3009 (Moscone West)

Start time: Fri, Dec 18 - 1:40 PM

1:55 pm

H53L-02. Future Landsat Thermal Data for Energy Balance Modeling and Water Resource Management. *J. R. Irons; C. M. Richardson; D. C. Reuter*

2:40 pm

H53L-05. A new self-trained classification model for producing 30-m percent-water maps from Landsat imagery. *J. A. Rover; B. K. Wylie; L. Ji.*