



2009 Civil Commercial Imagery Evaluation Workshop

*A Pictorial Review of the Eighth Annual Civil
Commercial Imagery Evaluation Workshop*

*Sponsored by the Joint Agency Commercial
Imagery Evaluation (JACIE) Team*

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

Tuesday March 31st, 2009



Registration Table



Breakfast



Greg Stensaas Welcome



Invited Speaker: Frederik Rothenhausler from RapidEye



Invited Speaker: Brad Doorn President ASPRS / U.S. Department of Agriculture -
Mapping, Monitoring, and the Role of Remote Sensing



Government Speaker: Bruce Quirk, U.S. Geological Survey (USGS) - Land Remote Sensing Program Manager, Remote Sensing, Bringing Systems and Science Together



Corena Alexander, NGA - Deputy Chief, Sensor Assimilation Division, ASX,
Acting Branch Chief, Commercial Data Integration Branch, ASXC.



Glenn Bethel, USDA - Remote Sensing Advisor



Kurt Thome, Physical Scientist Biospheric Sciences Branch, NASA GSFC- NASA missions and their role in commercial remote sensing



Jane D'Aguzzo NOAA, Director Commercial Remote Sensing
Regulatory Affairs NOAA Satellite and Information Service, Overview of
NOAA's Commercial Remote Sensing Regulatory Affairs Office



Government Panel Session: Bruce Quirk, USGS / Kurt Thome, NASA /
Corena Alexander, NGA / Jane D'Aguanno, NOAA / Glenn Bethel, USDA



See Full Video of the Government Panel session in the proceedings.

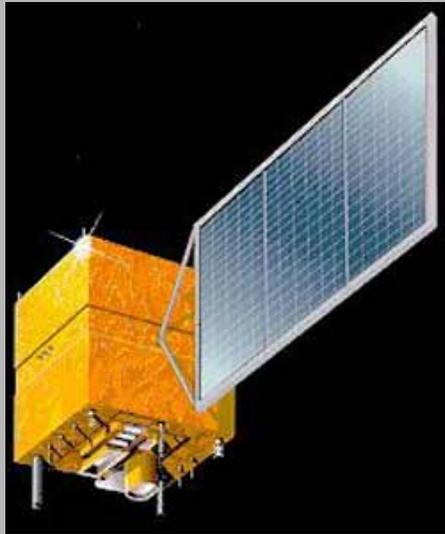


Medium Resolution Satellite Imagery Session Chaired by Bob Tetrault

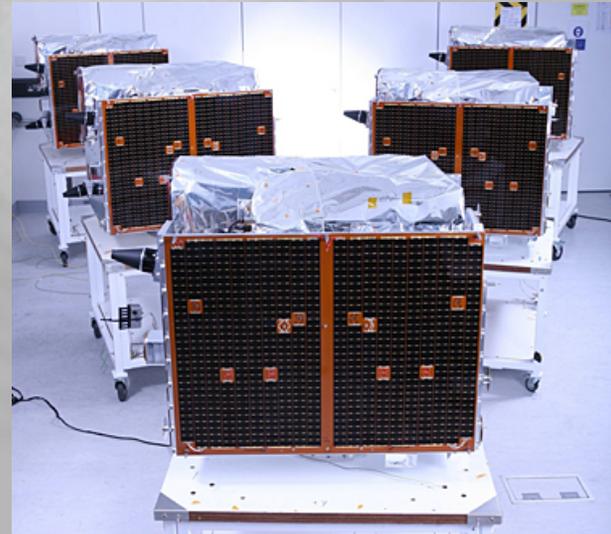
Bob Tetrault



CBERS-2B



RapidEye 1,2,3,4,5



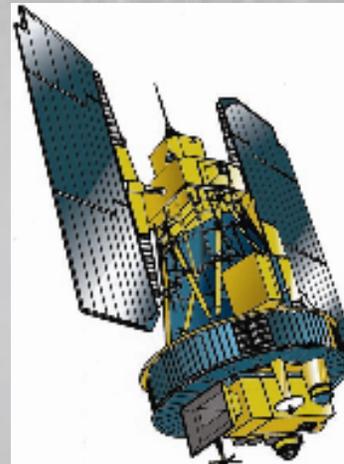
DMC Constellation



Resourcesat-1



Landsat 1 – 5 MSS



SPOT



Greg Stensaas, USGS EROS - Quality Assurance Framework for Earth Observation (QA4EO)



Steve Mackin, DMC International Imaging Ltd. - Improved Radiometric Calibration of the Disaster Monitoring Constellation using a “Gold” standard satellite - preliminary results



Horst Weichelt, RapidEye - The RapidEye Calibration Approach and Current Results



Julio D'agle, Head of INPE's Image Processing Division, INPE - Geometric and Radiometric assessment of CBERS and Landsat products generated by INPE



Ron Hayes, SGT / USGS EROS Remote Sensing Technologies (RST) project -
Radiometric and Geometric Assessment of the CBERS-2B, SPOT-5, and RapidEye



Tuesday Evening Poster Session / Reception in the Monticello Room



Wednesday April 1st, 2009



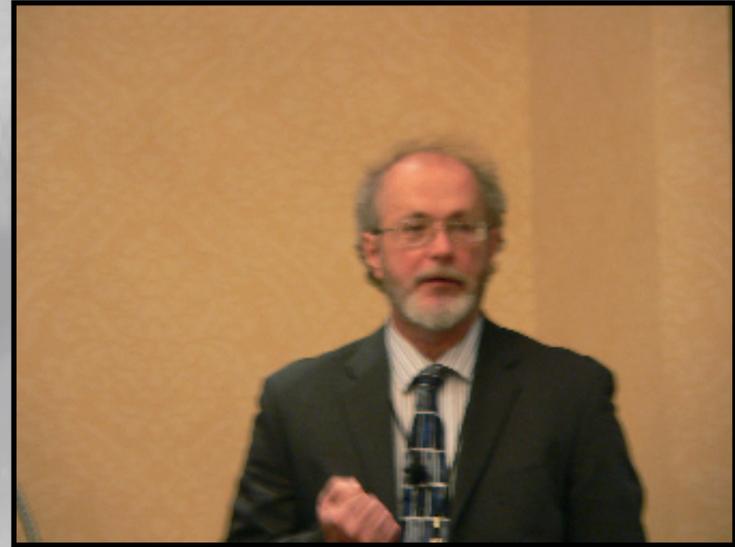
Russell Cowart, i-cubed: information integration & imaging - Alaska Statewide Digital Mapping Initiative: Exploring medium and high resolution commercial imagery solutions to meet statewide mapping needs in Alaska



Bob Ryan, Mississippi State University - Next Generation Low Earth Orbit Ocean Color Satellites and their and Cal-Val Requirements



David Aaron, Department of Engineering South Dakota State University (SDSU)
Radiometric Calibration Validation of Satellite Sensor Systems



Mary Pagnutti, Mississippi State University - Next Generation Thermal Imaging Satellite Systems and their Cal-Val Requirements



Timothy J. Puckorius, Chairman and CEO EOTec - Resourcesat and Cartosat –
EOTec Management Services Exclusive Distributors for Antrix – Current and
Future Missions



Paul Stephens, DMC International Imaging Ltd - The Next Generation DMC Satellites - UKDMC-2, and Deimos-1



High Resolution Satellite Imagery Session Chaired by William "Terry" Lehman



EROS-B



SPOT-5



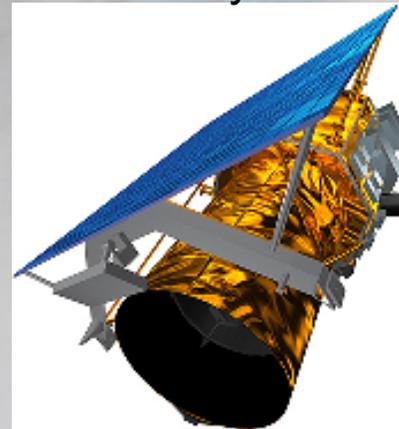
Quickbird-2



Worldview-1



GeoEye-1



IKONOS



Paul Bresnahan, Observera Inc. / NGA CCAP – (4 Talks) Absolute Geolocation Accuracy Evaluation of EROS-B Level 1A Imagery - Study Results / Absolute Geolocation Accuracy Evaluation of WorldView-1 Basic 1B Imagery - Study Results / Absolute Geolocation Accuracy Evaluation of Cosmo-Skymed Spotlight and Stripmap Imagery - Study Results / Absolute Geolocation Accuracy Evaluation of TerraSAR-X-1 SpotLight and StripMap Imagery - Study Results



Byron Smiley, DigitalGlobe - The Absolute and Relative Geolocation Accuracies of QB02 and WV01



Kevin Kohm, GeoEye - On-Orbit Geolocation Accuracy and Image Quality Performance of the GeoEye-1 High Resolution Imaging Satellite



Nicolas Stussi is Director of Services at SPOT Image Corporation in Chantilly Va



Rani Hellerman, ImageSat - The growing civilian market for VHR satellite imagery



High Resolution Aerial Imagery Session Chaired by Jon Christopherson

Bearded Jon



DMC



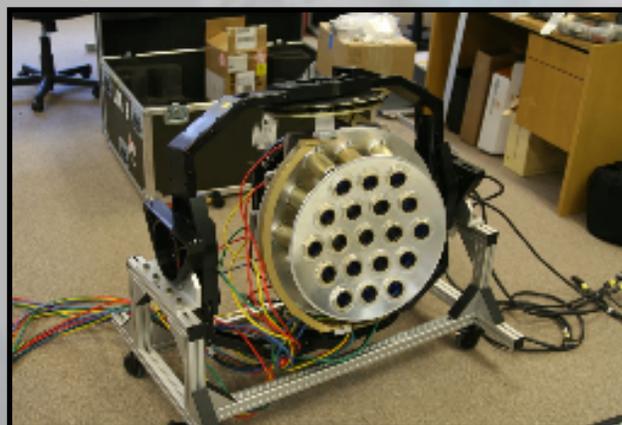
RMK D



Beardless Jon



High Aerial Density Camera



Klaus Neumann, Z/I Imaging Solutions Centre, Intergraph - Digital Aerial Camera Technology Update



David Pollock, Center for Applied Optics, University of Alabama Huntsville - A Constant 63 μ r Resolution Five frames-s-1 Camera, Scalable from 4 MP to > 1 GP



Lloyd Coulter, Department of Geography, San Diego State University - Monitoring the International Land Borders of the United States Using High Resolution Imagery



Daniel Taylor, Frontier Technology, Incorporated - Using the Integrated Sensor Analysis Tool for Remote Sensing Data Visualization and Calibration



Sherry Loy, Global Marketing Insights, Inc - USGS – 2008 African Remote Sensing Research



Shawana Johnson, President Global Marketing Insights, Inc. - The use and challenges of using Multiple resolution sensors for the Iraq Operational Agricultural Monitoring Project



Berthold Winck and Jochen Dahlke, Bundeswehr Geoinformation Office - 3D Worlds for the Bundeswehr – The Sensor system and Algorithm and The Process Chain

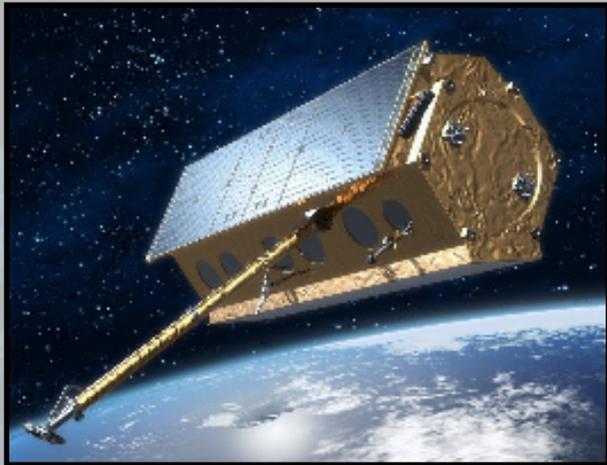


Steve Cota, Senior Project Leader, Sensor Engineering and Exploitation Department
Advanced Sensor Engineering Department, The Aerospace Corporation
PICASSO – An End-to-End Image Simulation Tool for Space and Airborne Imaging Systems

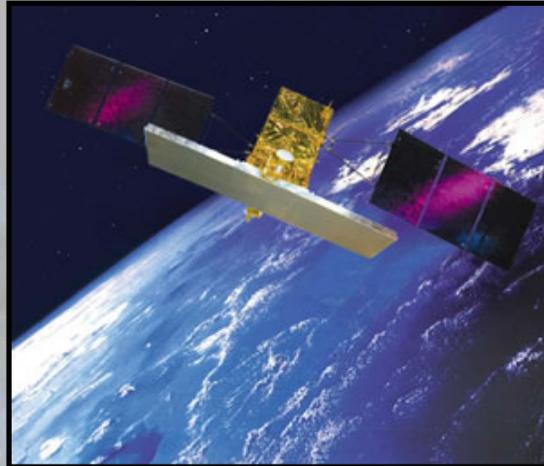


Other Imaging Sensors (Lidar, Radar, SAR, Hyperspectral) Session
Chaired by Greg Stensaas

TerraSAR-X



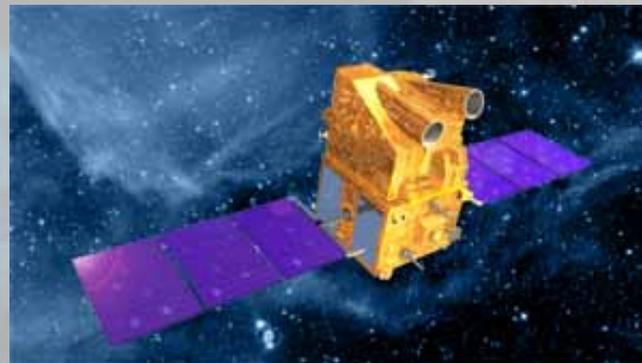
Cosmo-SkyMed



Greg Stensaas



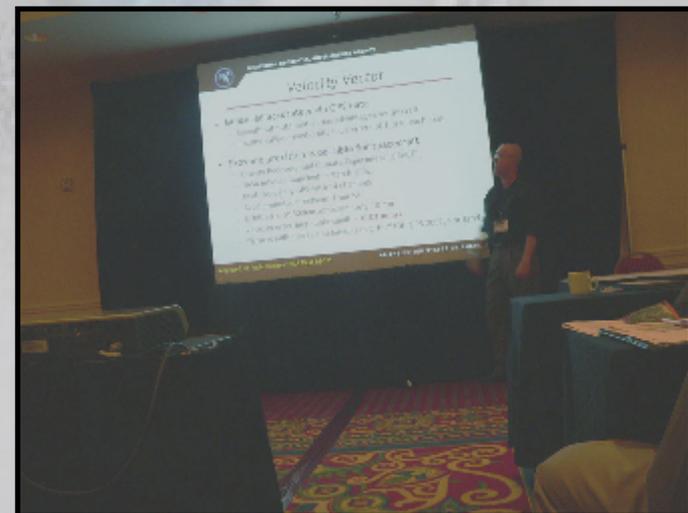
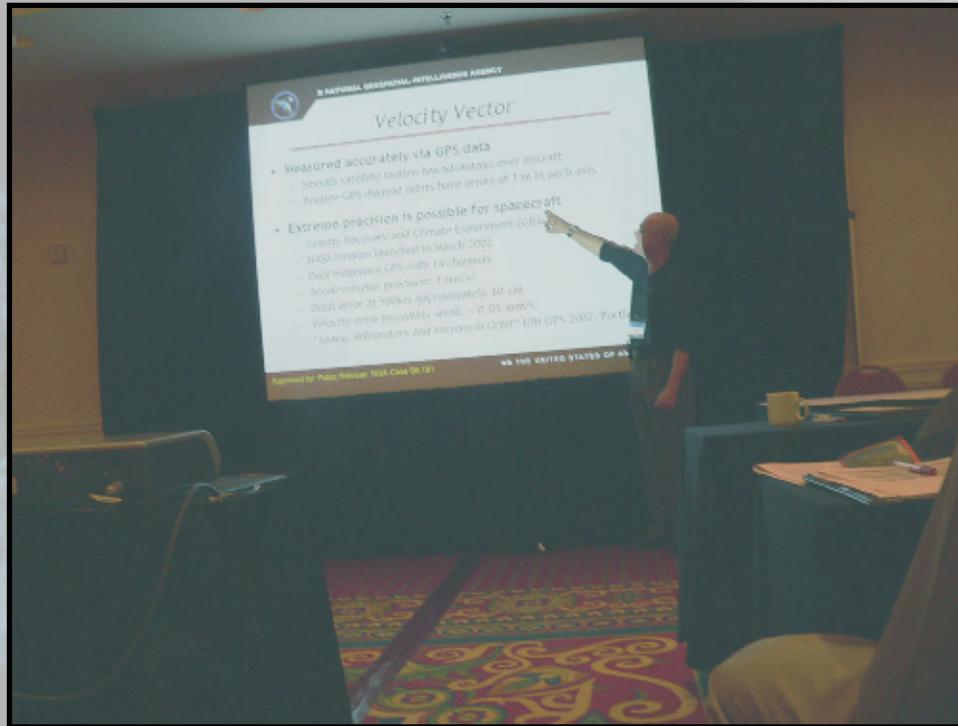
Cartosat-1



Worldview-1



Tom Ager, Senior Engineer, Acquisition Engineering Office, National Geospatial-Intelligence Agency (NGA) - Geometric Precision in Space Radar Imaging



Jason Stoker - Evaluation of Digital Surface Model Generated from WorldView-1 Basic Stereo Imagery



Simon Kay, Agriculture Unit, Joint Research Centre of the European Commission - Validation of CARTOSAT-1, TerraSAR-X and CosmoSkyMed imagery for use in field area measurement checks



Bill Emison, MARS Product Manager Merrick & Company - LiDAR/hyperspectral data fusion analysis Followed by LiDAR Feature Extraction Methodologies.



Thank You! From the
Joint Agency Commercial Imagery Evaluation (JACIE) Committee

