

- a. NRCS – Tony K./Dorsey P.
 - i. Dorsey P. – NRI/WRP – 70k plus NRI exposures/sites in 2009. Only data we couldn't get was due to restricted airspace. Where restricted, download from WARP. The whole sample set is 300k plus but only fly a portion each year. NRI sites flown at different scales to meet how large the site is. 1 site = 1 photo. Also reviewed WRP sites. NRI is a stat trending change detection database. WRP is different; land owner gives easement to USDA – then use restrictions are applied. Showed prices, vary due to location. Digital imagery special study area in 2010. Deliver this data as 8-bit 4-band ortho. Statisticians will check against film product to ensure no unspecified error is getting into the data set. 2009 did do a small digital sensor test. Delayed the digital option until after 2010. Goal is what digital resolution mimics best the film. Showed specs. Awarded 2009 digital pilot to AR, CO, SD. 3 sensors used: DMC, Applanix DSS, and Geoscanner. Flew each pilot site at 12, 6, and 3 inches. Showed costs for various cameras. Several pilot tasks discussed...from conflation, cost, ortho, etc. Prelim findings – all sensors and resolutions met accuracy specs. Geoscanner cannot acquire stereo. Larger footprints work better because 1 image = 1 site. Some of the small format cameras cannot do this at a correct scale. DSS can fly stereo, but needs to be set up to do so. Questions about camera vendors and platforms answered by Geoff G.
 - ii. Tony K. – NRCS funding priorities. Welcome to Dan Good. Discussed NAIP acquisition and upgrades to 4-band. Thanks to APFO for getting data getting through quicker. Showed last two years of coverage map. Showed map that identifies states that don't have 4-band already. Suggested that states that don't have CIR/4-band already to focus on for partnership. NRCS NAIP funding graphic. NRCS has always been a partner. AK discussion...finish Kodiak Island please. NRCS is working to fund medium resolution DEMs for AK. PR and Virgin Islands (VI) discussion. Likely do a high-res acquire of PR. \$800-900k, 1-ft ground resolution. Full coverage DOQQs in HI. .6 meter and -m data. Discussion of the Digital Globe QB2 enterprise license and the premium license should allow for data to go on public side of Gateway. All users should be able to access, except for "for profit" companies. USGS will also take the data and put it in Seamless. Can forest service access the HI Pac Basin NRCS Web Service. Having the right licensing is important, because it translates into access. Short discussion about acquiring imagery over water. One example, coral reef directive letter signed by Chief of NRCS. Worldview2, NRCS has submitted 2 sample AOIs, 8 band tests and analysis coming up. Worldview2 has 2 IR bands, and allows for seeing into water better, etc. Discussed briefly the Clear 30 initiative from Digital Globe, lower US, 2.5 years, 1 foot res. NRCS spent approx \$10m on geospatial in 2009
- b. RMA –

- i. Kirk B. –RMA to prevent waste, fraud and abuse. More than just working with underwriting. What is data mining (a description)? Then discussion of claim filing and national database. Do link analysis – link together groups of people by common activities or deviation detection. Schemes are very elaborate and hard to detect. Data mining process. Spot check list effort, required by statute. Linking databases was a key. Broke the book of business down. Trying to determine who is good, what is accidental, and what is criminal. RMA list goes to FSA. FSA will send farmer letter on practices. Will also look at NAIP. We found most people were not hard core; and they stopped, all due to the letter writing effort from RMA and FSA to the customer. The cost savings were huge. It's about changing behavior of the producers. Summary list of scenarios and fraud schemes. Discussed the Data Mining Web Interface and use cases. Spyder interface which is link analysis database. They also use hydra analysis. Very useful to ID areas by use, loss, crop, etc. Now we are beginning to geospatially enable this data, using CLU and other data. Showed cause of loss hail demo. Other demos as well, such as WA apple claims, etc., multi-agency geospatial data integration. All of this is in the data mining appliance.