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| SPoRT / NWS Coordination Call | August 19, 2010 |
| 9:00AM |
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| Meeting called by: | Bernard Meisner | Type of meeting: | coordination |
| Facilitator: | Kevin Fuell | Note taker: | Kevin Fuell |
| Timekeeper: |  |  |  |
| Attendees: |  |
| From SPoRT: Kevin Fuell, Jon CaseFrom NWS: SMG -Brian Hoeth, HGX – Lance Wood, MLB – Dave Sharp, Pete Blottman, Matt (Forecaster),  MFL – Pablo Santos |
| Please read: |  |
| Please bring: |  |
| Minutes |
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| Agenda item: | NASA Land Information System1) Case results by NASA Summer Intern on the use of LIS in 2009 BMX WFO Convection Events2) Current work to use a MODIS-based Greenness Vegetation Fraction (GVF) within LIS3) Comparison of LIS runs with and without MODIS-based GVF | Presenter: | Jonathan Case |
| Discussion: | Jon presented work by a NASA Summer Intern (Robby James) looking at events in 2009 summer in BMX CWA related to Convective Initiation forecasting. Weak synoptic flow with seemingly “random” convection correlated with LIS fields showing the heat island surrounding the Birmingham Metro area. Also, a radar loop of reflectivity showed the possible influence of an area referred to as the Black Belt where significant soil type differences exist. The convective showers dissipate as they move over this area. Jon presented the work SPoRT has started to create a new Greenness Vegetation Fraction (GVF) for use in list. This product uses MODIS data in a composite form similar to the SST Composite process. Very noticeable differences with the standard LIS climatology of GVF are evident. Influence of this on subsequent model forecasts needs further collaboration with our partners, but offline LIS runs show significant changes in fields like the latent heat flux. |
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| Conclusions: | * LIS fields are available for model configurations of 3-hourly initialization
* MLB – Have seen similar differential heating scenarios with large precip events that occurred the previous day. Hence, these LIS fields make sense and would add value
* MLB/MFL – Would like to see how using these fields would enhance the forecast of convection as well as sea breeze forecasts in term of propagation
* LIS fields not currently in AWIPS, but work is ongoing by SPoRT and HUN. LIS fields will be available via AWIPS II and have already had initial testing in that DSS.
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| Action items |  | Person responsible | Deadline |
| * SPoRT – provide presentation for WFO usage in science seminars
 | Kevin Fuell | Sept 19 |
| * WFOs – Use SPoRT Blog to share examples of local models using LIS output for initialization.
 | Dave Sharp, Pablo Santos | as needed |
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| Agenda item: | Verify the usage of new SST Composite product | Presenter: | Kevin Fuell |
| Discussion: | Short presentation of details on the new SST Product and potential applications. Links to blog posts are included in the presentation. |
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| Conclusions: | MLB / MFL – use of SST Composite in the GFE for gridded purposes is a bit of a different discussion from using the data in an analysis product intended for end users. Other methods (i.e. using GrADS) for creating images of the data in its native resolution are done and uploaded to SR webservers for use by public. They prefer this in order to preserve the high resolution of the data.No one present had an issue with using the new composite product |
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| Action items | Person responsible | Deadline |
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| Agenda item:  | Technical Issues for viewing/ingesting data | Presenter:  | Kevin Fuell |
| Discussion: | Open time to bring up issues with receiving or displaying the data |
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| Conclusions: | No major issues. MLB still working with Geoffrey to display LDAR data. Have not seen LDAR data in about 5 days. SMG to start trying the install instructions on their systems for KSC LDAR data. |
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| Action items | Person responsible | Deadline |
| * SMG – Install code / modifications to display KSC LDAR data
 | Brian Hoeth | Sept 19 |
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