Rapid Science Synthesis Team

Question L

Lisa Darby
Wayne Angevine, Robert Banta, Daewon Byun, Mark Estes, Bryan Lambeth, Stu McKeen, John Nielsen-Gammon
Haircut for meetings
Question L
What existing observational databases are suitable for evaluating and further developing meteorological models for application in the HGB area?
Surface Meteorology & Chemistry Data

- COOP observations
- Crop Weather Program, Texas A&M University
- Harris County Office of Homeland Security and Emergency Management
- Texas A&M data
- Lower Colorado River Authority network
- Texas A&M agricultural weather site
- Soil Climate Analysis Network, US Agriculture Department
- Louisiana agricultural weather data network
- Louisiana Universities Marine Consortium weather network
- CAMS (TCEQ organized surface met and chem data)
- METARs (NWS surface data)
Upper Air Data

- ESRL Profiler Network
- NOAA National Profiler Network graphical display
- Rapid Update Cycle (RUC) soundings
- University of Wyoming sounding page
- ACARS aircraft observations
Coastal & Buoy Data

- Texas Coastal Ocean Observation Network, Texas A&M Corpus Christi, Conrad Blucher Institute
- NDBC (National buoy data) TABS/NOAA buoys and c-man stations
- NOAA PORTS buoys and platforms
Satellite Data

- Satellite images (cloud & skin temperature)
Solar Radiation Data

- Texas Solar Radiation data, from a solar energy research group at UT
- National Renewable Energy Lab
Large, multi-field databases

- MADIS
- TCEQ Air Pollution Events
- EDAS (NCEP grid reanalysis)
Question L

• Deliverable:
List of databases for modelers’ use, including background, evaluations, and links to web sites.

Additional task:
Compile list of databases resulting from the TexAQS II field campaign. Provide evaluations.

If you want to contribute any information for Question L, send an email to lisa.darby@noaa.gov with the information.