



Clarus Transition

2012 Road Weather Management Stakeholder Meeting
Madison, Wisconsin



Metadata

- * Completion Date December 31 2012
- * Compare existing metadata within *Clarus* & MADIS
- * Request contributor to resolve any discrepancies
- * Once data sharing agreement is signed, *Clarus* will provide metadata including configuration information to MADIS

NOAA/NWS Data Sharing Agreements

- * Per Department of Commerce policy and requirements, NOAA must have signed agreements to collect and share data with an outside source
- * Data sharing agreements may be under restricted or unrestricted terms, at the request of the outside source
 - * Pertains to unclassified information
- * NWS always prefers unrestricted agreements

Governing NWS Policy found at <http://www.nws.noaa.gov/directives/>

Specifically under link for “1 – Administration & Management”

NWS Directive 1-12: Managing the Acquisition of Environmental Data from External Parties

NWS Instruction 1-1201: Obtaining Environmental Data from External Parties

NWS Data Agreements

Unrestricted Agreement

- * Directly from *NWS Instruction 1-1201*
- * Has been in use by NWS for unrestricted data agreements with external partners since early 2000s
- * Simple form, looking for POCs, URL(s), and information on metadata, QC, and maintenance
- * In general, a five-year agreement that can be revised, amended, terminated, or extended upon mutual agreement of parties
 - * Appendixes with specifics to the partner or data allowed
- * Disagreements presented in writing to be resolved between/among parties involved

Restricted Agreement

- * Examples found in appendixes of *NWS Instruction 1-1201: Obtaining Environmental Data from External Parties*
- * Non-monetary transfer agreement only
- * Includes the general conditions for the transfer/collection/use of data
- * While some of the template are required by NOAA to be included, several portions are subject to editing and agreement between/among the parties signing agreement
- * Length of agreement is by mutual agreement, not to exceed five years

Observation Types

- * Completion Date December 31 2013
- * Add observation types not currently in MADIS
- * Associate each observation type with the *Clarus* Quality Checking Algorithms

Observation Type Configuration (Sensor Index)

- * Completion Date December 31 2013
- * Extend the sensor index in MADIS
 - * MADIS currently supports 4
 - * Extend to 20

Background Fields

- * Completion Date December 31 2013
- * Month Historical Climatological Data ~ Gridded
- * Historical Rawinsonde Data ~ Gridded
- * Stage II & IV Precipitation Data
 - * Configuration Information

Quality Checking Algorithms

- * Completion Date December 31, 2014
- * *Clarus* will provide the algorithms to MADIS
- * MADIS will set up a “DOT” section within MADIS to perform the *Clarus* quality checking algorithms
- * The algorithms will be available to more than just DOT contributors

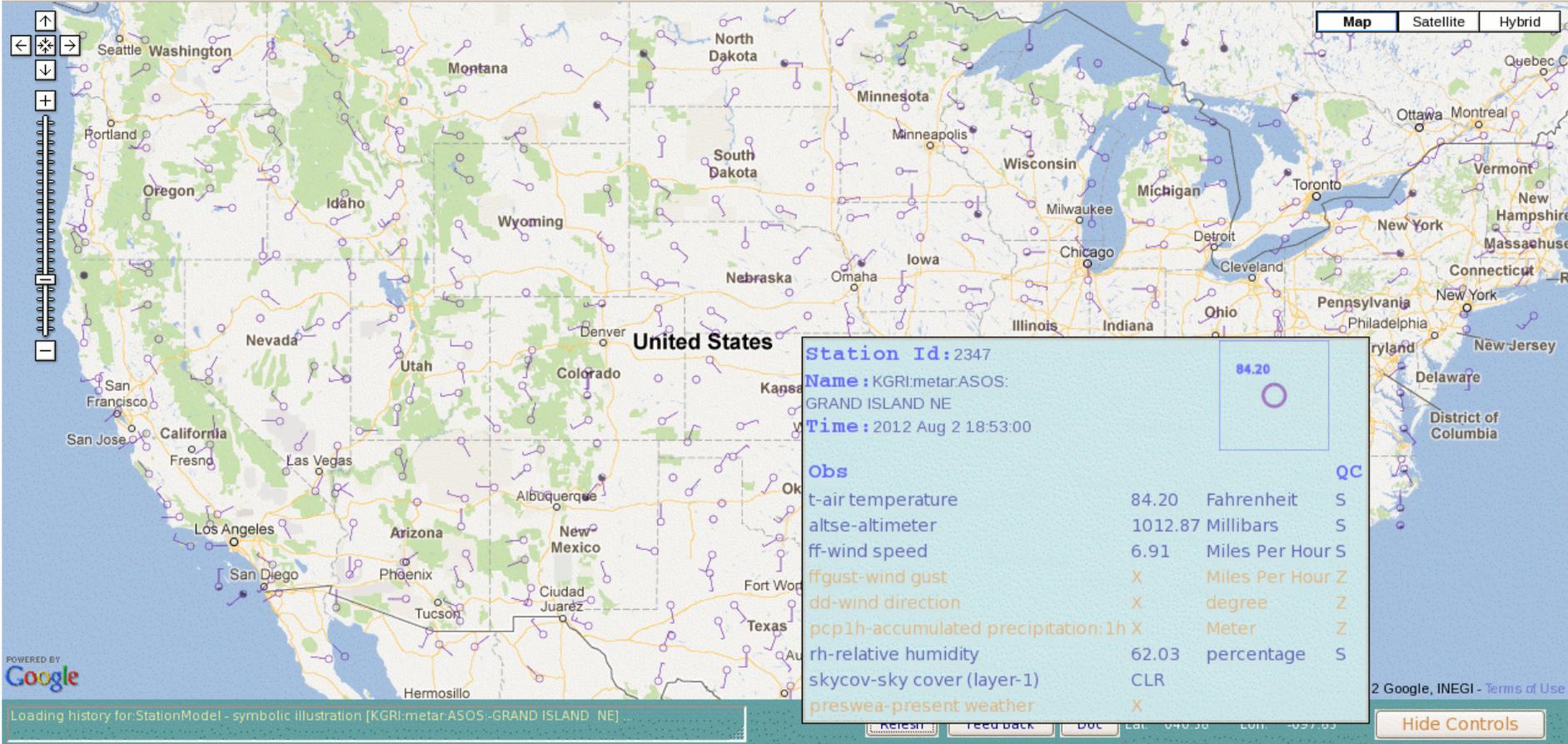
Dissemination

- * Subscriptions

- * Completion Date December 31 2013
- * *Clarus* will provide available configurations to MADIS
- * MADIS will modify existing access to provide requested information

- * Metadata

- * Completion Date December 31 2012
- * MADIS will modify existing code to select all sites



- t - air temperature
- altse - altimeter
- ff - wind speed
- ffgust - wind gust
- dd - wind direction
- pcp1h - accumulated precipitation:1h
- rh - relative humidity
- skycov - sky cover (layer-1)
- preswea - present weather
- StationModel - symbolic illustration

Display range: open

Stations displayed: 505/5127 (9.85%) Filters

Start Time: 2012 Aug 2 18:10:35

End Time: 2012 Aug 2 20:10:35 Real Time

History-Plot History-Values Display Networks Tools Settings Log

KGR1:metar:ASOS:(GRAND ISLAND NE)
 KSYF:metar:OTHER-MTR:(ST FRANCIS KS)
 Stations rendered in 733 ms
 UpdateStationPanelsForRange in 510 ms
 Storage size:4545 in:545
 Obs received in 182 ms
 505 of 506 stations added in 289 ms
 Stations received in 229 ms
 Reloading stations ...
 Stations rendered in 1 ms

Questions

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