

Earth Networks

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Hopefully not “just like”, or there is a lot of duplicated effort here

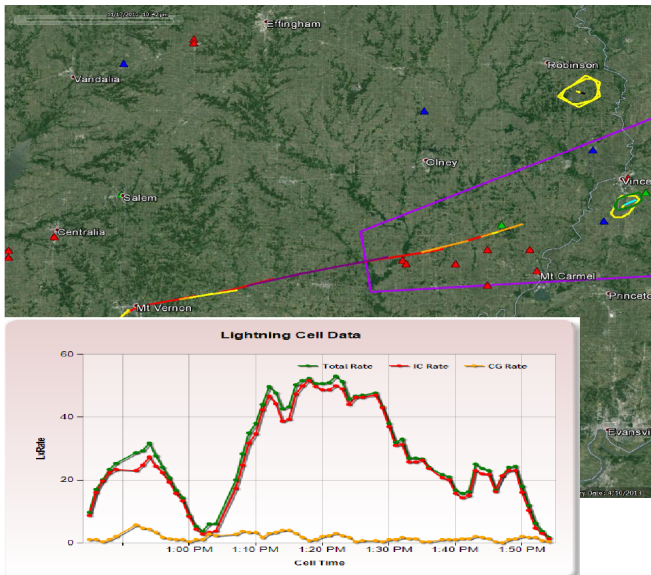
Doesn't matter

Doesn't matter
anymore. In 2015,
everyone sees cloud
flashes.

Doesn't matter as much
as site spacing

Doesn't matter. If
others can see as much
with fewer sites, that's
just as good.

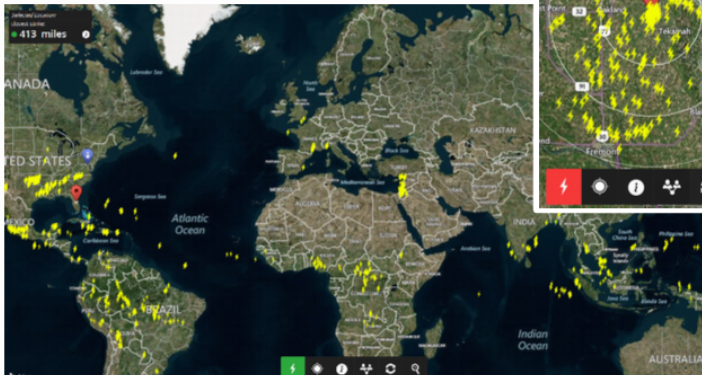
Doesn't matter to most people. Only scientists care about waveforms.



Severe Weather Warning

Spark™ Lightning Alerts

- Alerts generated off Earth Networks Total Lightning (in-cloud and cloud-to-ground) data
- Indicates how close in proximity you are to lightning activity

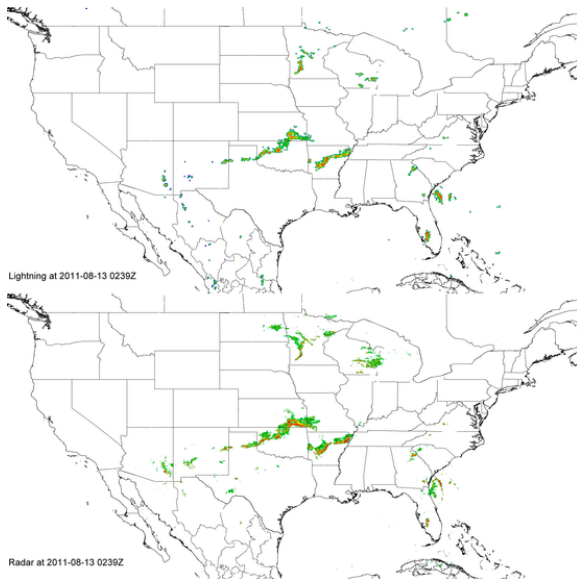


Ground Flash Hazard Warning

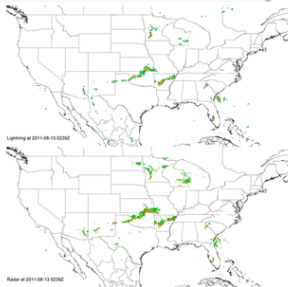
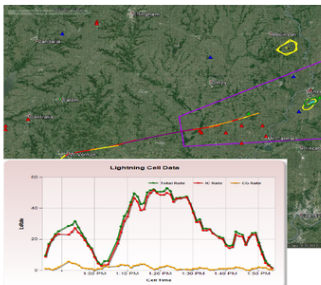
**Impact of storm-scale lightning data assimilation on WRF-ARW precipitation
forecasts during the 2013 warm season over the contiguous United States.**



Forecast Model Ingest



Rainfall Measurement



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Impact of storm-scale lightning data assimilation on WRF-ARW precipitation forecasts during the 2013 warm season over the contiguous United States.

Operational Uses

Data Quality Doesn't
Matter Much?!
Sacrilege!

Model Quality Matters
More Than Data
Quality?! Just what are
you trying to sell?

Collaboration is
Impossible. We have no
Common Standards of
Measurement.

How can we collaborate
if our models won't
work for each other?

What do you plan to
do?