

# **Climatological Properties of Reported Cloud-to-Ground Lightning for Alaska** from Several Lightning Detection Systems \*

Jerome P. Charba, Judy E. Ghirardelli, Phillip E. Shafer, Frederick G. Samplatsky, Andrew J. Kochenash<sup>1</sup>

Meteorological Development Laboratory (MDL), NWS, Silver Spring, MD <sup>1</sup> CIRA/Colorado State University, Silver Spring, MD

## Historical Lightning Data for Alaska

735

GLD360 (Vaisala, Inc) Cloud-to-Ground (CG) strokes with sparse In-Cloud (IC) pulses (2013-2019)

**BLM (Bureau of Land Management, Alaska Fire** Service) (2013-2019); Upgraded detection system

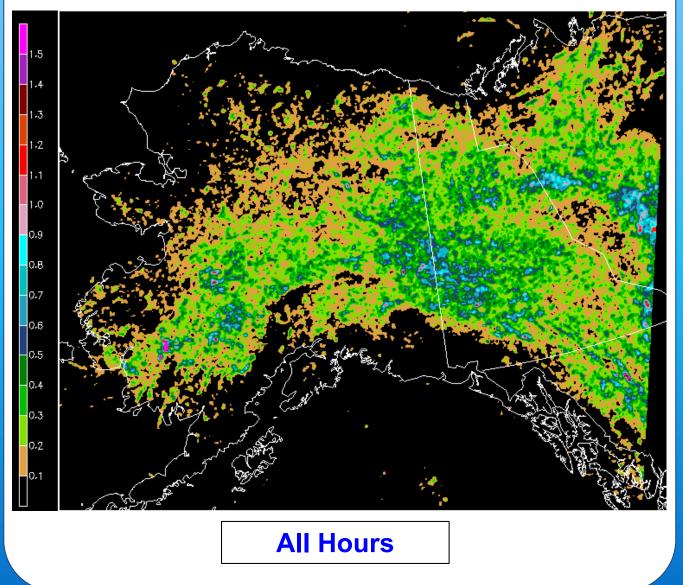
ENI (Earth Networks, Inc.) CG strokes with sparse IC pulses (World-wide network (2013-2019) / Sparse over Alaska)

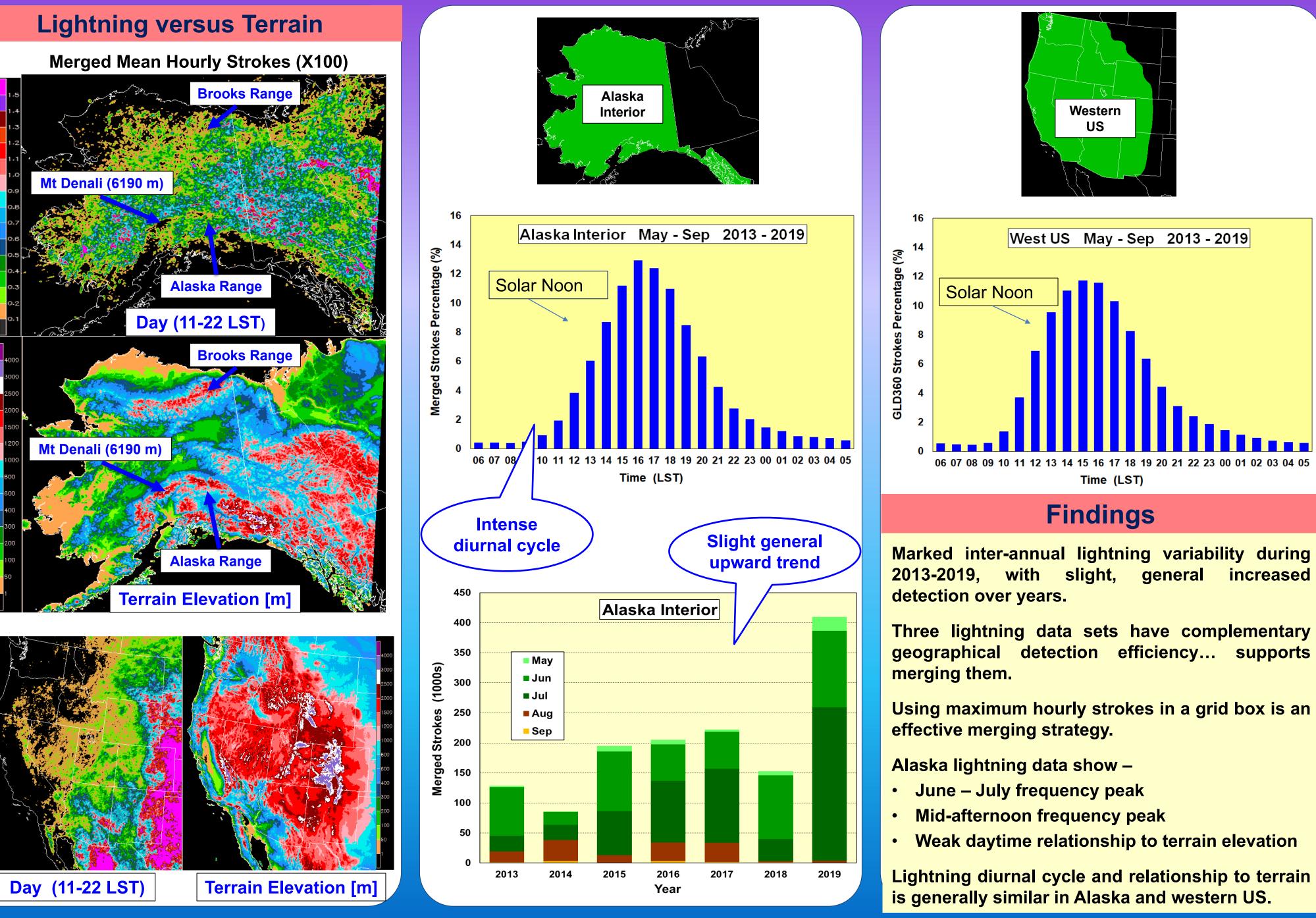
### **Merging Three Lightning Datasets**

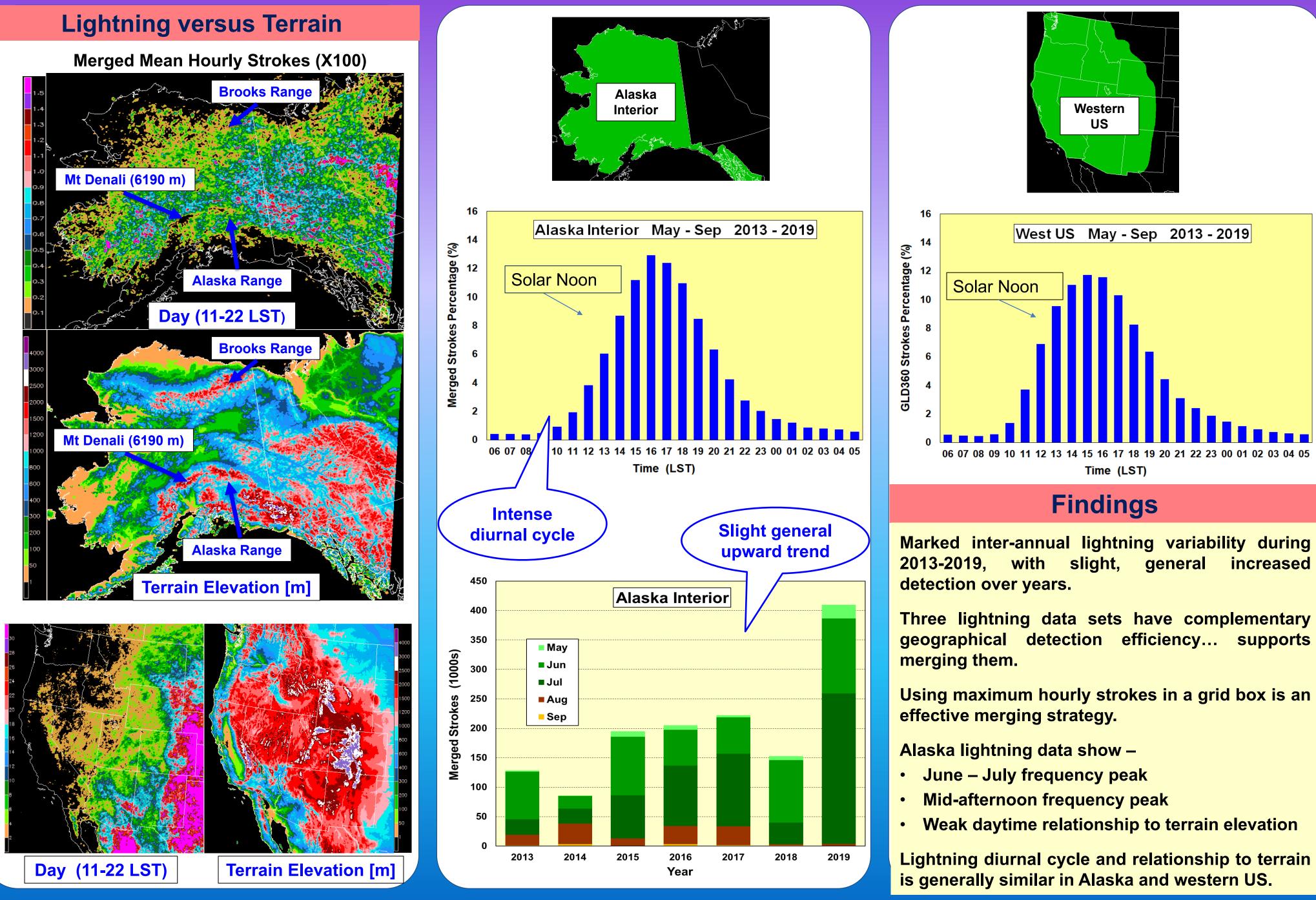
Tabulate hourly strokes in 6-km square grid boxes separately for GLD360, BLM, and ENI every hour during May – September 2013 – 2019

Merge GLD360, BLM, & ENI grids by selecting maximum strokes per grid box

Merged Mean Hourly Strokes (X100)







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Contact: Andrew.Kochenash@noaa.gov