Surface Energy Budget Issue with ECOR fluxes

- Over 18 EBBR stations available in SGP region, all forcing SEB closure
- Only 1 location of CO2FLX, indicates SEB-closure of ~60-80% at mid-day
- The EBBR SEB balance difficult to conserve in hourly average data because data missing is different for different variables.
Issues with SEBS wetness QC

Cook’s ECOR corrections

LLNL’s Quality Control

QCECOR VAP
Ideas to close the surface energy budget balance and better describe spatial variabilities

• Explore the strategy to merge ARM and high-resolution land model data to produce a blended data product in which surface energy budget is closed and gaps are filled.

• DART?

SGP Surface Network