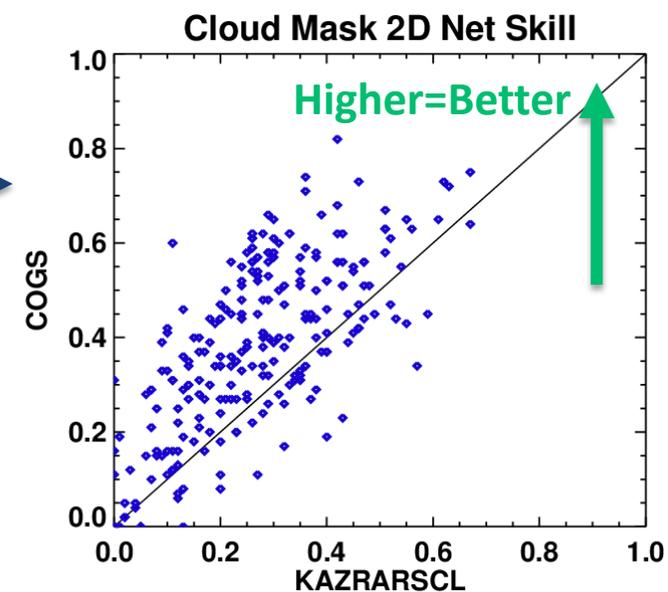


# LASSO Update

ARM

- ▶ Releasing 17 new shallow-convection cases for 2019 and then ShCu goes on hiatus
- ▶ Adding high-frequency observations to bundles
- ▶ COGS cloud masks lead to better LES cloud verifications →
- ▶ Reprocessing cases to fix bugs in VARANAL and ECMWF forcings
  - VARANAL impacted for 2018 and one case in 2015
  - ECMWF vertical velocity is off by 10x
- ▶ LASSO is expanding beyond shallow convection at SGP!
  - Expect to complete simulations for the CACTI scenario in 2021
  - Beginning development of an ACE-ENA scenario in late 2020 or early 2021
- ▶ Contact Bill Gustafson and Andy Vogelmann at [lasso@arm.gov](mailto:lasso@arm.gov)



Comparison of time-height cloud skill for 2018 cases using cloud masks from KAZRARSCl vs. COGS.