Title: The Surface Atmosphere Integrated field Laboratory (SAIL) ARM Mobile Facility Campaign

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Project Abstract:

The Surface Atmosphere Integrated field Laboratory (SAIL) campaign will involve the deployment of the U.S. Department of Energy's Atmospheric Radiation Measurement program's second mobile facility (AMF2) in the vicinity of Crested Butte, Colorado from September 2021 to June of 2023. This atmospheric observatory will measure surface fluxes of momentum, sensible and latent heat, the spatial distribution of precipitation and winds, temperature, humidity, aerosol and cloud properties, and radiation; and it will develop this detailed dataset by while being collocated with existing surface and subsurface observations and modeling from the SBR-funded Watershed Function SFA.