### Albedo Measurements with Reference Cells vs. Pyranometers

**Experiment**
- Measuring albedo at pre-production met station site in Texas
- Two setups: one with pyranometers, one with c-Si reference cells
- Data collection summer 2019
- Ground cover: dry vegetation

**Pyranometer**
- Spectrally matched
- Sailing monitored and corrected with Mars™

**Reference Cell**
- Broadband response
- Cleaned weekly

**Results**
- Pyranometer albedo consistently higher than reference cell albedo, ~0.02 absolute (~10% relative)

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**Albedo Spectral Dependence**

Does spectral dependence cause pyranometer albedo mismatch with actual bifacial array performance?

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**Rearside Irradiance Measurement on Bifacial Arrays**

Networked front-back reference cell system for multi-point measurement of front & rear-side irradiance