NSA Radiometer IOP

- **Purpose:**
  - **Investigate the effects of heaters on BB radiometer measurements**
    - **Of interest to community for IPY**
  - **Revise/develop methodology to correct for IR loss in historical shaded PSP diffuse SW data and on-going global SW PSP data**

Radiometers

- **Fielded total of 8 PSPs (two shaded), 2 B&Ws (1 shaded), 1 PIR, 1 NIP**

PSP-1 BW-1 PSP-2

PSP-3 PSP-5 PSP-7 PIR

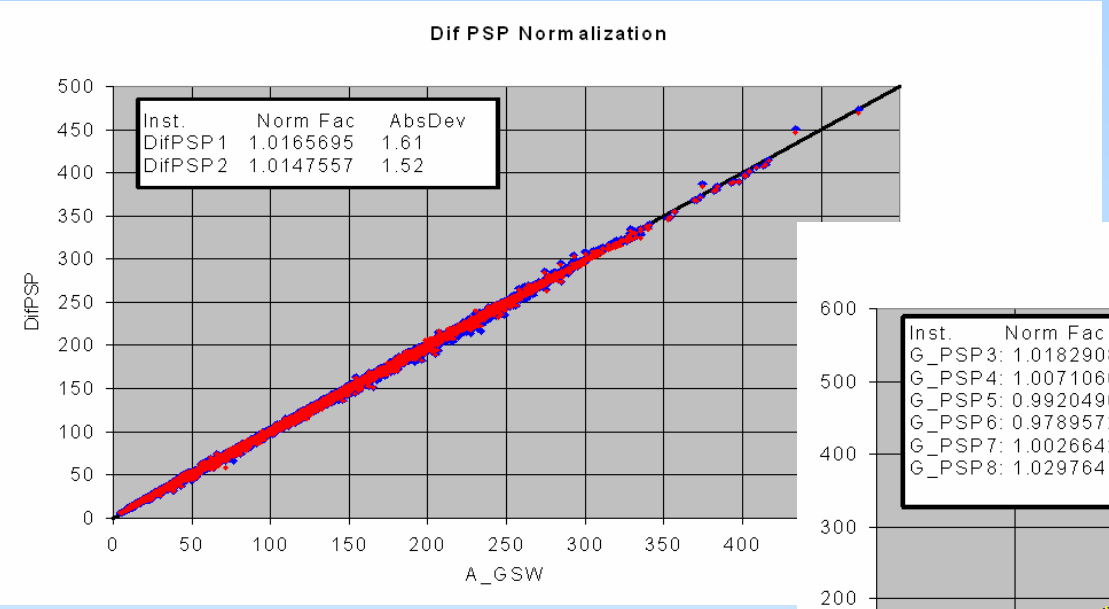
PSP-4 PSP-6 PSP-8 BW-2

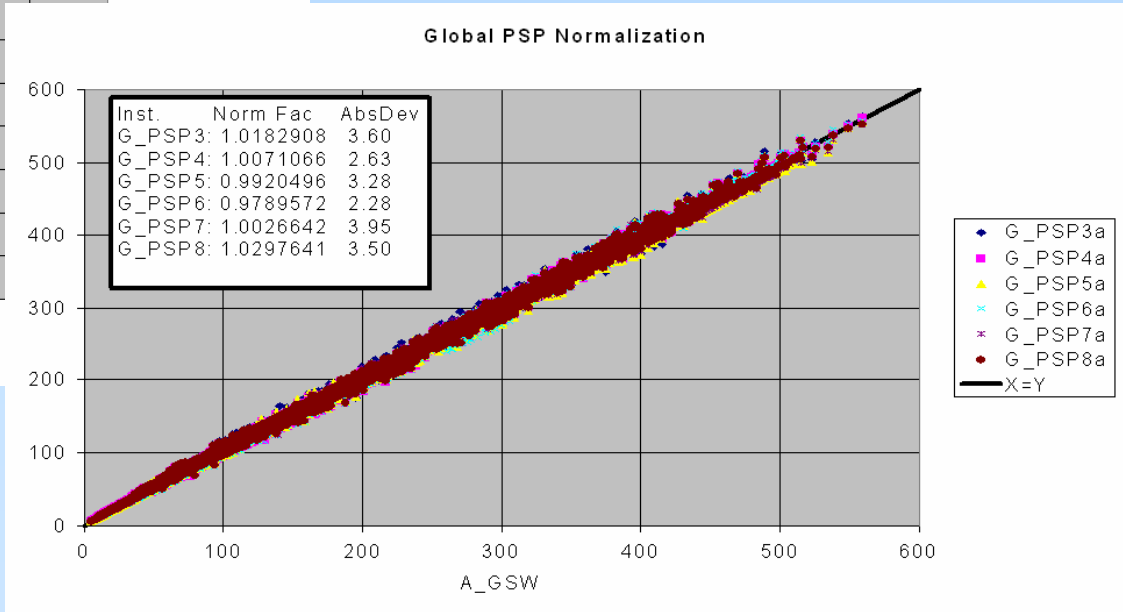
Radiometer installations on tracker (left) and table (right).

[North →]

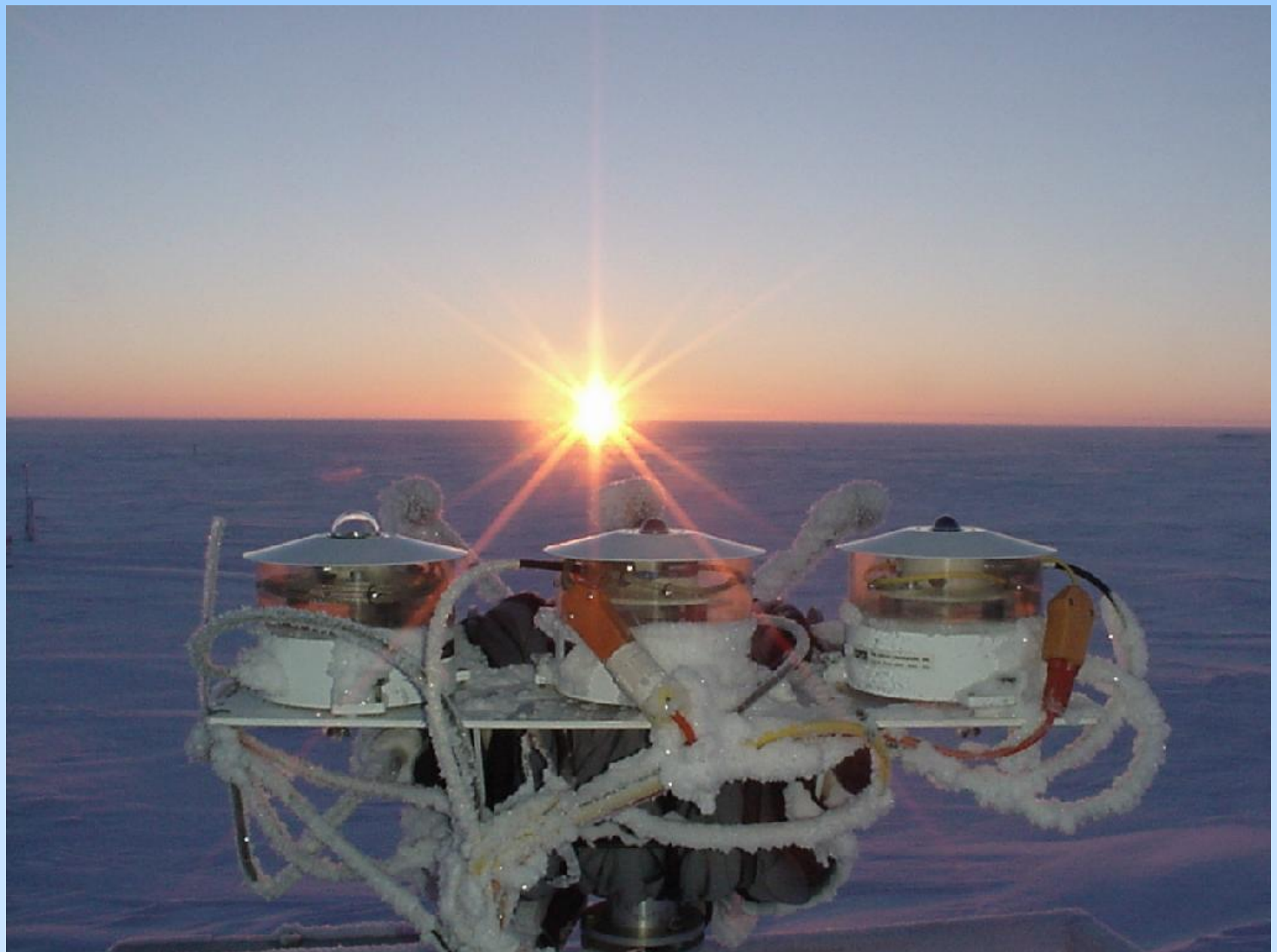
Instrument Normalization

- **Normalization data from Aug 19 - Sept 7**
  - **(Normalization report available)**
- **All PSPs and B&Ws normalized to operational ARM instruments**





NSA Radiometer IOP

- Experimental data collection started on Sept 22
- IOP will run for about a year
  - Need year of data for IR Loss studies
- Will test various permutations of heating and ventilation
  - Experimental modes re-evaluation at midpoint

Thanks!