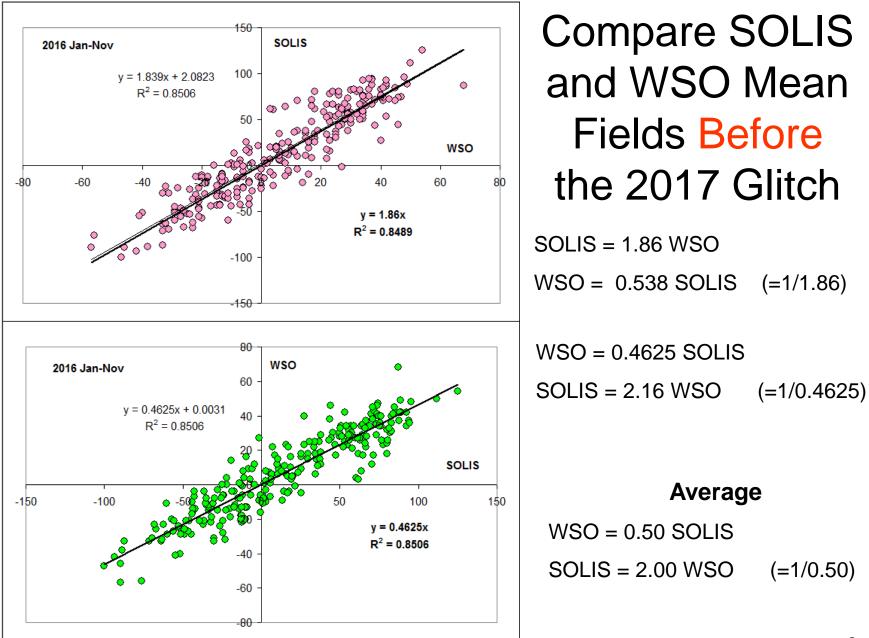
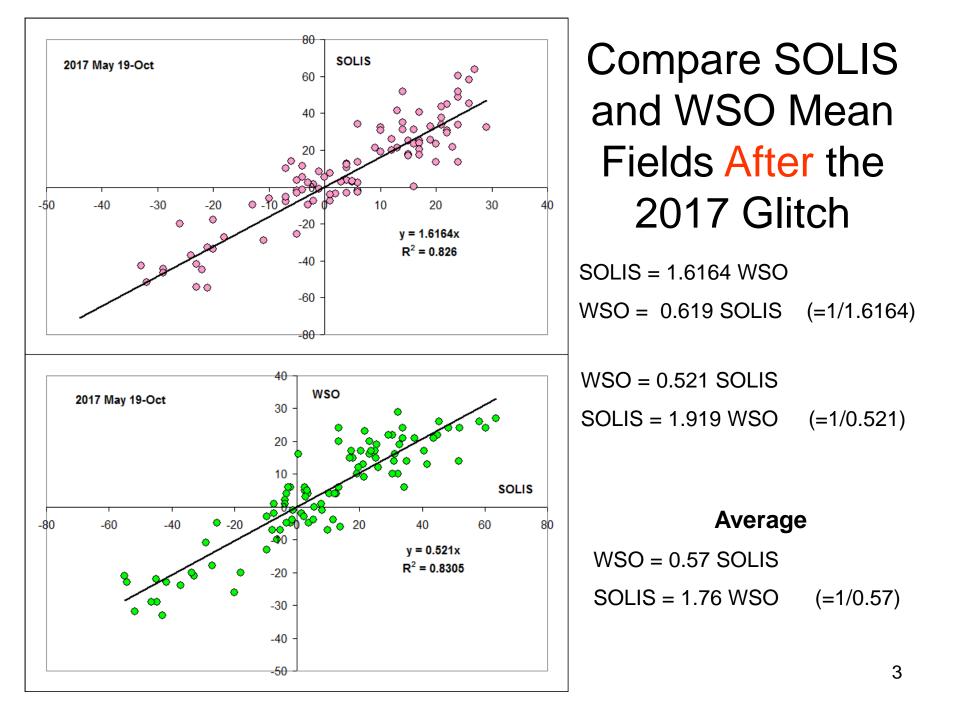
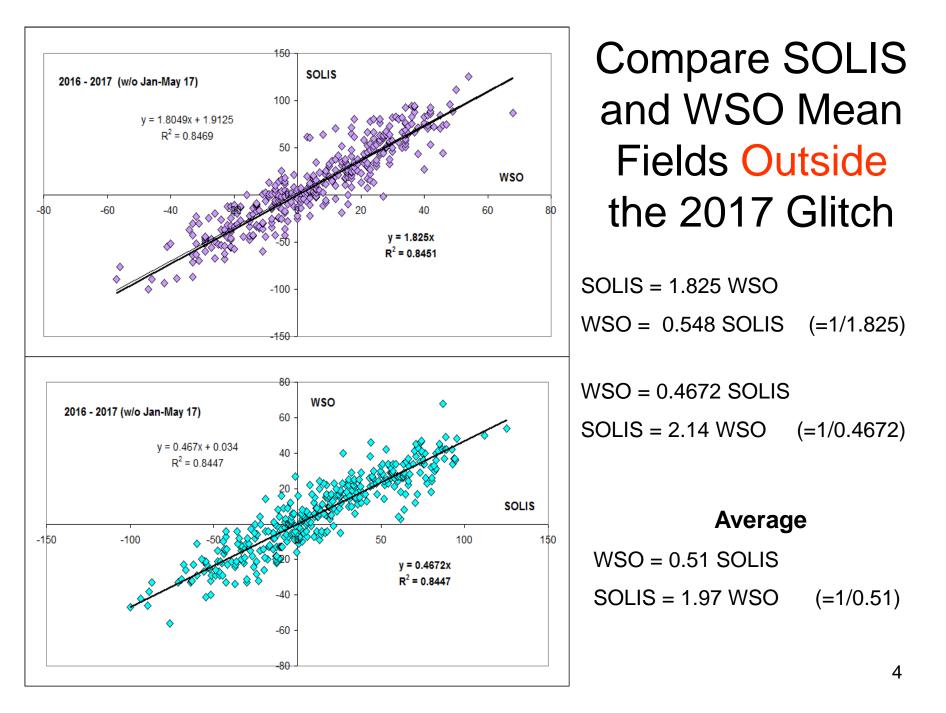
## Mean Field Correction for WSO based on SOLIS

Leif Svalgaard Nov. 8, 2017



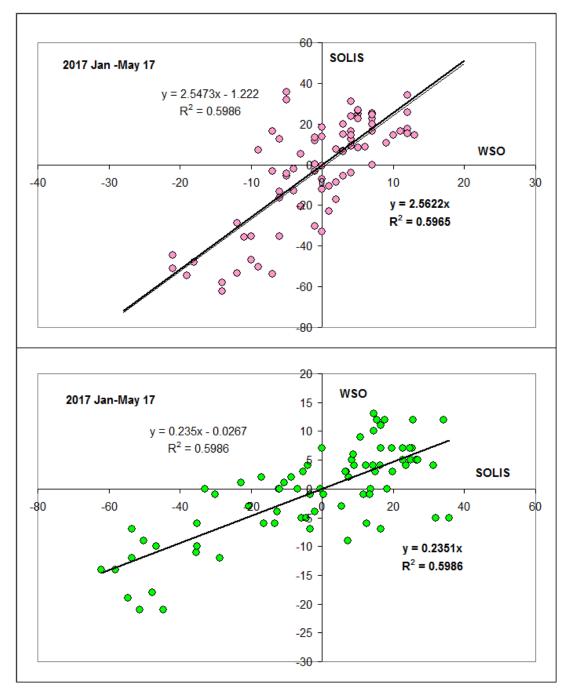




## Conversion Factors w/o Glitch

SOLIS => WSO	WSO => SOLIS	When
0.50	2.00	Before
0.57	1.76	After
0.51	1.97	Outside
0.53	1.91	Adopted (mean)

This is the intrinsic conversion factor WSO => SOLIS



Compare SOLIS and WSO Mean Fields During the 2017 Glitch

SOLIS = 2.5622 WSO

WSO = 0.390 SOLIS (=1/2.5622)

WSO = 0.2351 SOLIS

SOLIS = 4.254 WSO (=1/0.2351)

## Average

WSO = 0.303 SOLIS

SOLIS = 3.303 WSO (=1/0.303)

## The Magnitude of the Glitch

SOLIS => WSO	WSO => SOLIS	When
0.30	3.30	During Glitch
0.51	1.91	No Glitch
1.70	1.73	Ratio

So, I adopt the correction factor for the mean field to be 1.73±0.16 (95%) with the error being mostly determined by the spread of the points during the glitch on slide 3 (run a standard regression on the points). WSO mean fields should then be multiplied by the constant 1.73.

The starting time of the glitch seems to be somewhere between Dec 6 and Dec 16, 2016. Say, Dec 10, 2016 without loss of 'reality'. Ending time May 18, 2017