

## S. Kulawik – Presentation 2

### Presentation 2:

1. Authors: Email address (if not in NED), first & last name, affiliation.

\* **Note:** First Author email address, etc. must be provided. Form will not complete w/o it!

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2. Author Type: NASA CS; Grantee; Contractor; Co-Op; Other.  
Contractor?

3. Co-Authors have been notified NF1676 is being processed.  
Co-Authors have been notified I am presenting this next week.

4. Title of Presentation:

Joint observation estimates of XCO<sub>2</sub>

5. Date presentation will be delivered:

October 23-25, 2018

6. Abstract (500 words or less; short paragraph)

Localized, correlated biases exist in OCO-2 data. These biases do NOT improve with averaging. These have been noted by O'Dell (various OCO-2 telecons), Worden (2017), Kulawik (2018). We propose to utilize information from adjacent observations to reduce this bias

This works on the assumption that grouping the observations allows the system to find a better, global minimum

Pooling adjacent observations could allow more accurate characterization of interferents (e.g. retrieving additional albedo parameters), reducing entanglement with CO<sub>2</sub>.

7. Event Sponsor (spell out acronyms):

**NCAR Mesa Lab**

8. Conference Website:

**If website is not available:**

9. Conference name:

OCO-2 Science Team Meeting

10. Conference dates (start-end):

**October 23-25, 2018**

11. Conference location (city + state):

**NCAR Mesa Lab, Boulder, CO**

