

SQWG3-PM3: WP2220

Dark correction

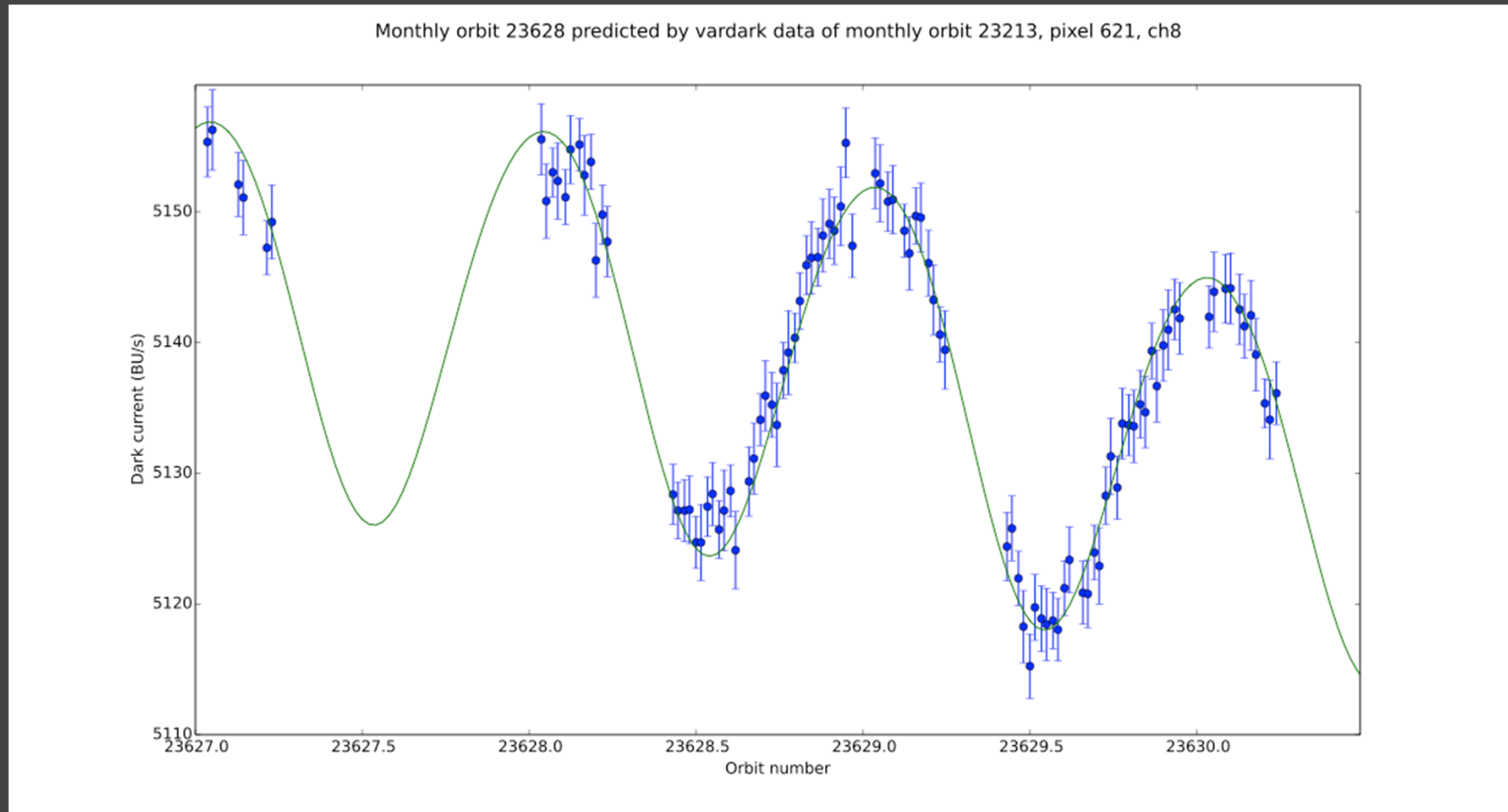
2015-05-05

Ralph Snel



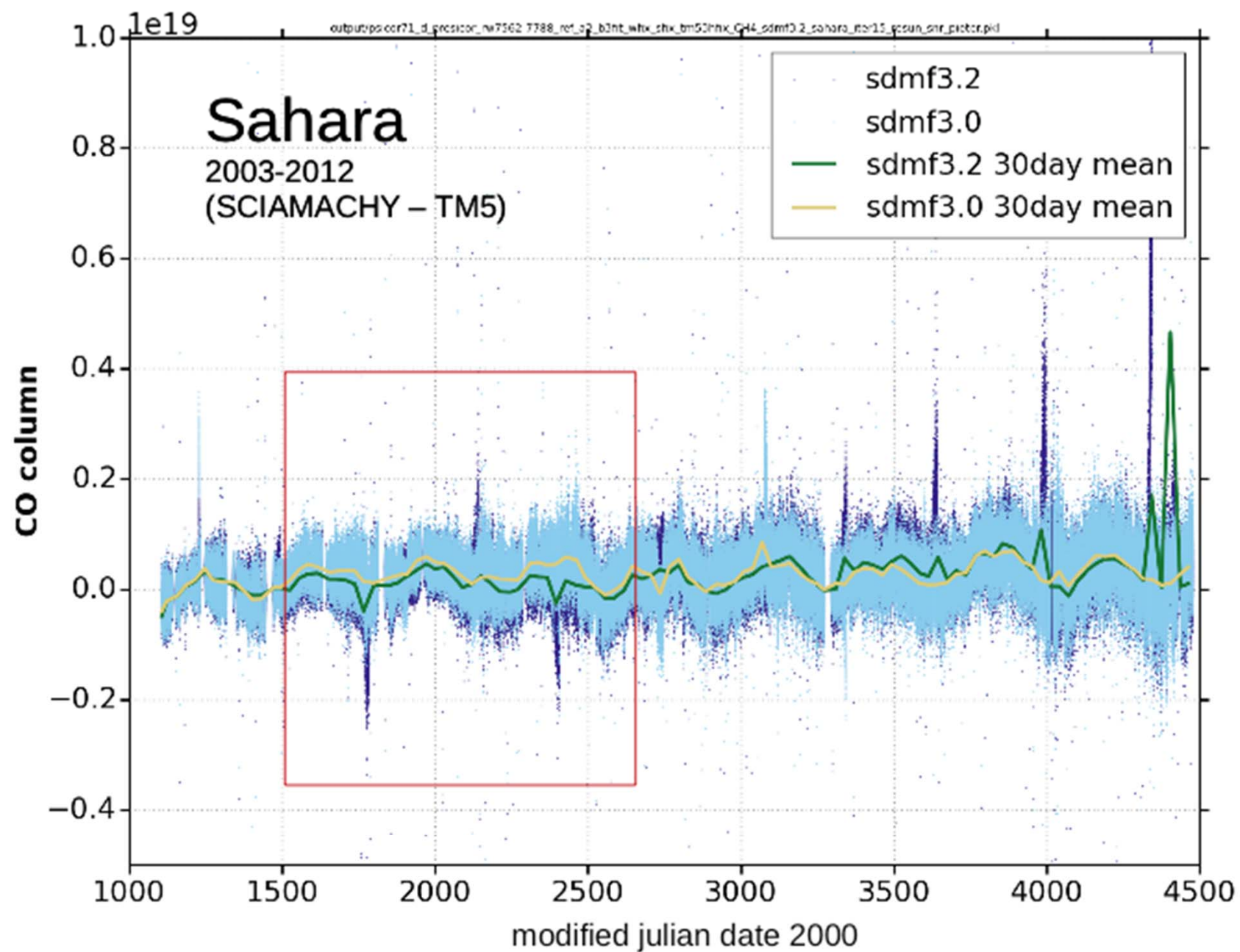
Approach

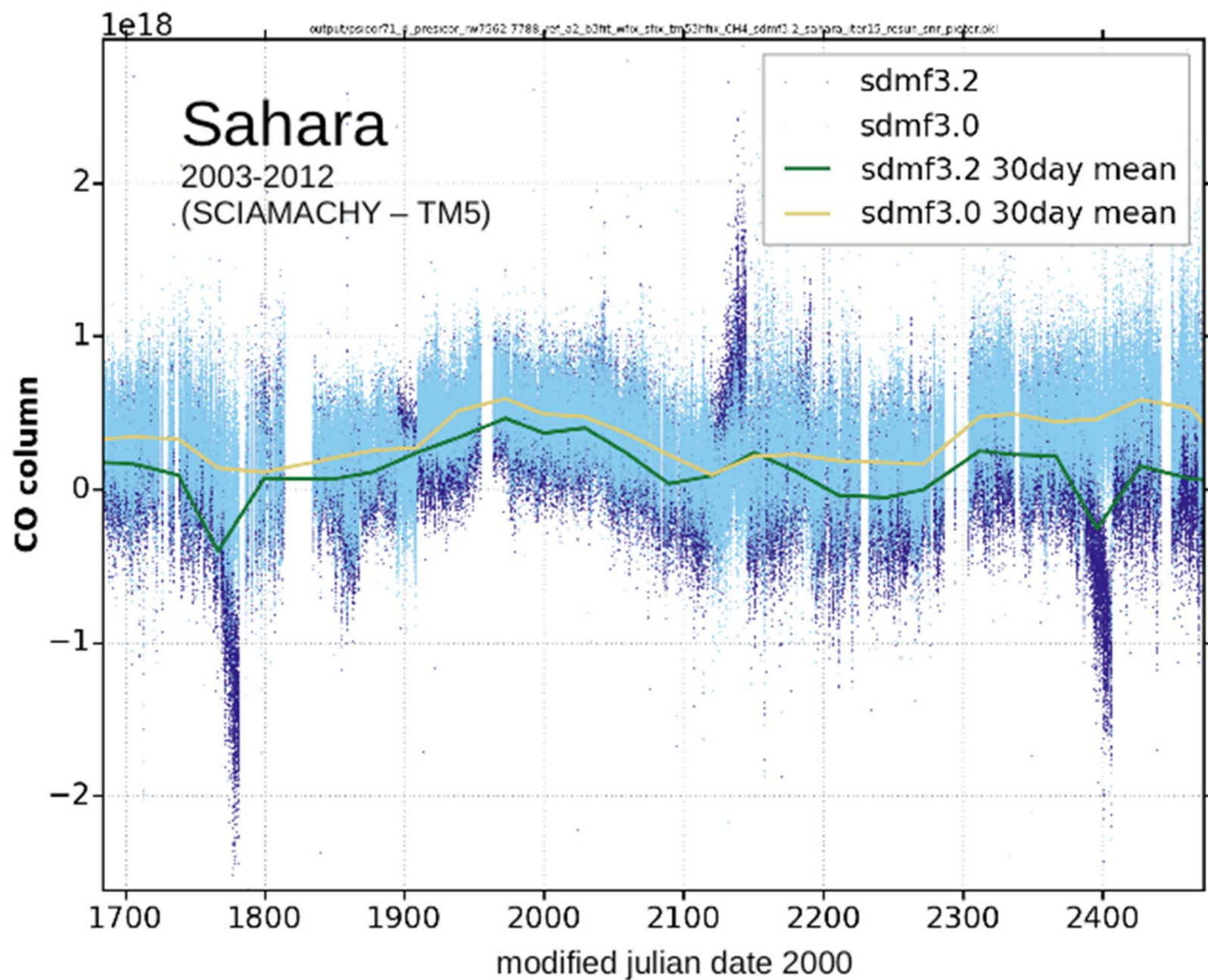
- Dark signal: orbital variation + linear trend from orbit to orbit



Verification with CO over Sahara

- Comparison against SDMF 3.0 (no linear trend)
- Retrieval CO over Sahara compared to TM5 model values
- Results show changed outliers in residuals, some improved, more got worse
- Dark correction suspected (all other options ruled out)
- Cause not yet found
- SRON L2 people say: don't use as is





Status and Possible options

Status:

- Not good enough for L2

Options:

- Identify and solve problem for SDMF 3.2 (time impact unclear, weeks to few months?) or
- Use SDMF 3.0 (documentation currently rudimentary)