Geoscientific

Model Development
Discussions

[GMDD](#)

Interactive

comment

Interactive comment on "High Performance Software Framework for the Calculation of Satellite-to-Satellite Data Matchups (MMS version 1.2)" *by* Thomas Block et al.

Thomas Block et al.

tom.block@brockmann-consult.de

Received and published: 25 October 2017

Dear referee,

we like to thank you for the exhaustive and precise review and summary of the manuscript submitted. We apologize for the grammatical oddities that have slipped through our internal review process - these are corrected in the final manuscript.

Replies to your comments/requests:

"Page 8, Table 1: Please make the distinction between the results shown in the last two rows of this table more obvious by changing the first columns entries to "Time Axis

Method (section 4.1)" and "Full Access Method (standard approach)"."

This has been updated, we agree that your suggested text clarifies the content of this rather complex table.

"Page 12, lines 20-21: Please describe the z-dimension/matchup index more thoroughly. Is this a representation of time? Or time difference? Or something else?"

The text has been udated to describe this z-dimension in more detail:

The final MMD contains for each sensor input variable a three dimensional dataset where the x and y dimensions are the extensions of the extraction window and the z-dimension is the matchup index, i.e. a linear index that counts from 0 to the number of matchups (minus one) that have been detected for the time interval. Thus, each z-layer in an MMD-file contains all data associated to a single sensor/sensor matchup.

I hope that this describes the dimension clearly enough.

Thank you very much, with best regards,

Thomas Block

———————————————————