Thank you for your comments and I understand your concern.

As you know both KNMI and LATMOS were involved in the O3MSAF, and in CDOP1 we were both responsible for a work-package dedicated to developing a joint retrieval of ozone from GOME2 (KNMI product) and IASI (LATMOS/ULB product). This paper is reporting some preliminary work that was undertaken in this framework.

- (1) In a former paper we already compared GOME2 data from the DLR operational chain with the LATMOS ozone products (Boynard et al, ACP 2009). Since then the IASI processing chain has greatly improved, and I guess it is the same for the GOME2/DLR processing chain. We look forward to working with you in the CDOP2 framework.
- (2) The work we were able to do on profiles for this study was limited because both profile products still needed improvements. In the paper we provide total column comparisons but also a limited validation with ozone sonde profiles.
- (3) The paper also reports the limitations of the TIR ozone product, in particular over ice and when ozone concentrations are low. Both the UV/vis and the TIR products are affected by the presence of clouds, and this study uses 12 km cloud free pixels for IASI only.

Finally it should be pointed out that we have been working hard to improve the IASI ozone product, from the tropics to the poles, both for total columns and for partial columns/profiles. Other publications describe in more detail the current status of the O3 IASI product and its limitations (eg Dufour et al., 2011, Parrington et la., 2011, Pajot et al., 2011.).

Best regards,

Cathy Clerbaux, and the Latmos Team.

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