

## ***Interactive comment on “Satellite observations of long range transport of a large BrO cloud in the Arctic” by M. Begoin et al.***

**M. Begoin et al.**

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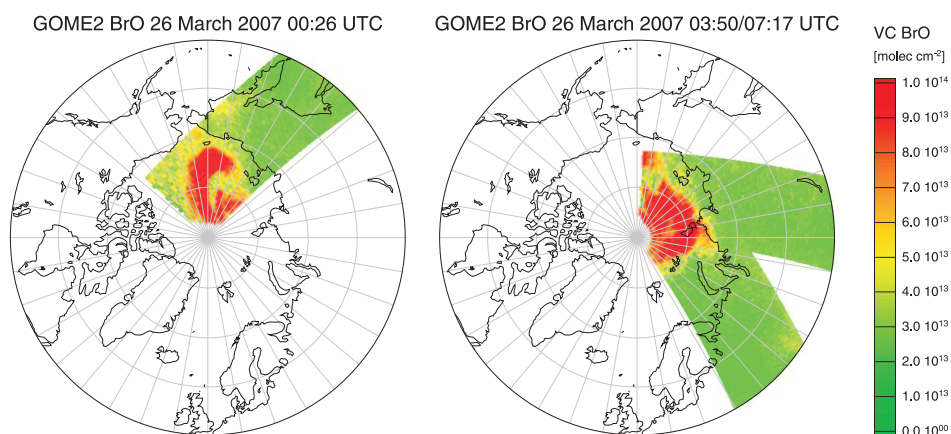
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The figures 2-4 has been rearranged for a better overview. The latitude range of all maps has been limited to 50N-90N (figures 1-5). In addition, the potential frost flowers maps (figure 5) have been aligned to greenwich as all other maps. (For single figures with complete figure captions please see supplement)

Please also note the Supplement to this comment.

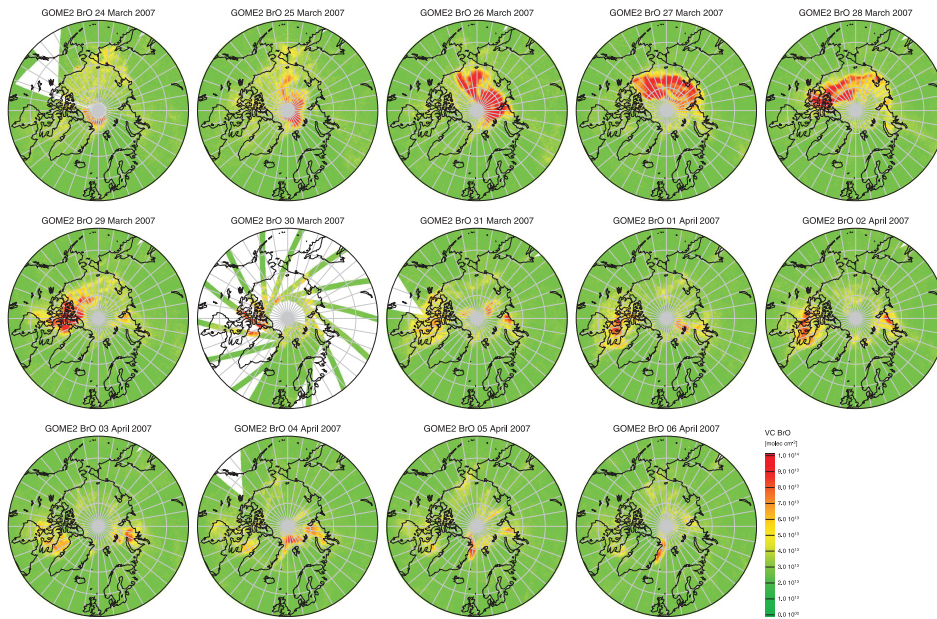
Interactive comment on Atmos. Chem. Phys. Discuss., 9, 20407, 2009.

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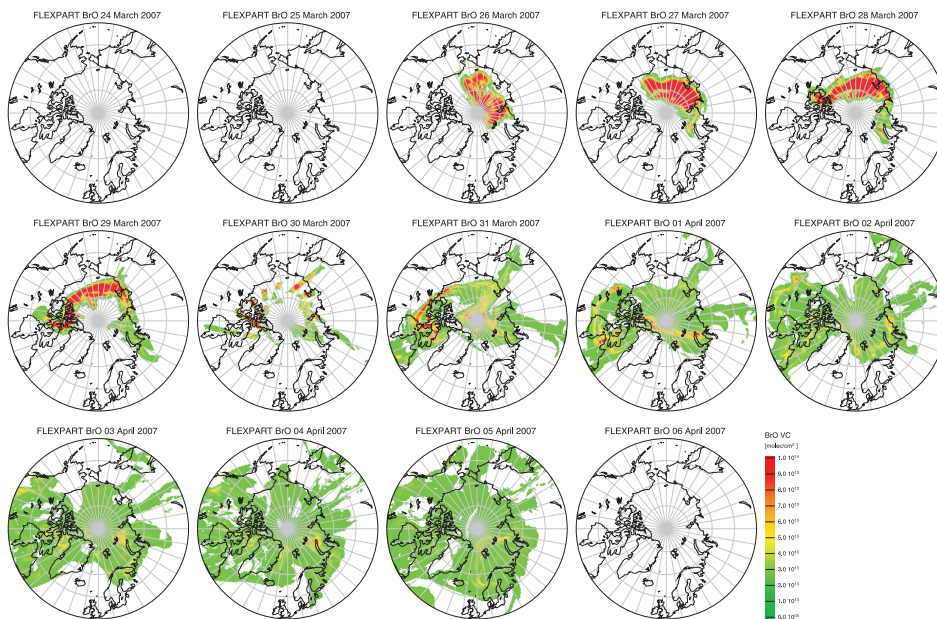
**Fig. 1.** The above figures show the three satellite orbits, which have been used as input to initialise the FLEXPART model calculations. For the second source region, two orbits have been combined to cover...

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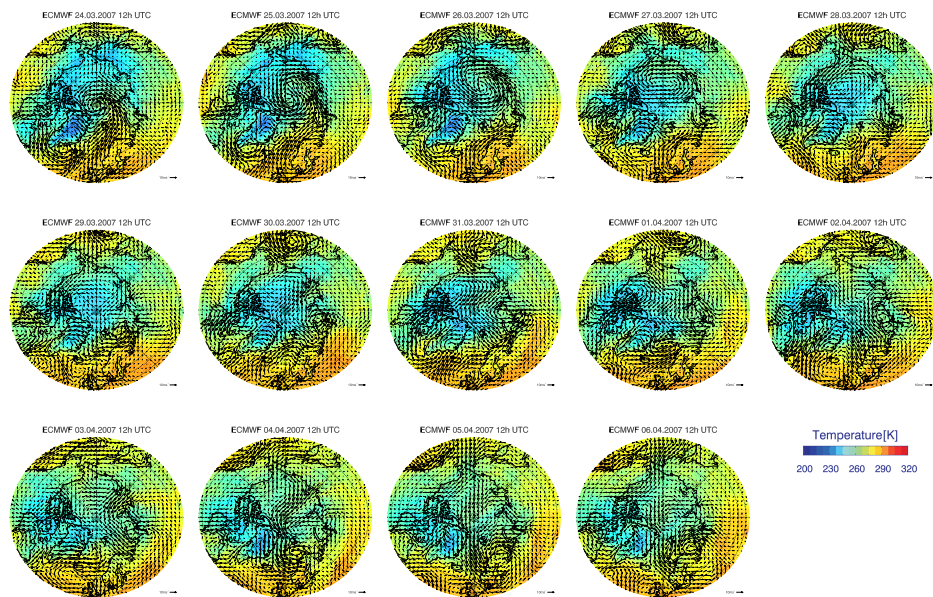
**Fig. 2.** Daily averaged vertical column of GOME-2 tropospheric BrO measurements. Enhanced values on 25 March in East Siberian Sea result from the last orbit at 22:44 UTC. The following orbit on 26 March at...

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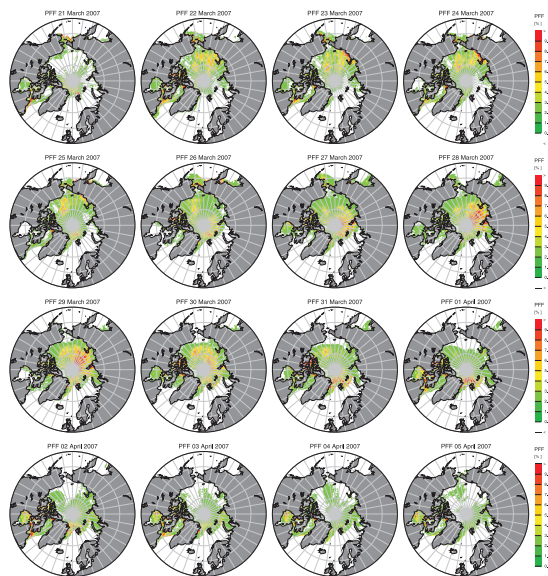
**Fig. 3.** Daily averaged FLEXPART model results adjusted to GOME-2 measurement data.

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**Fig. 4.** ECMWF data, showing surface temperatures and wind fields during the BrO event (12h UTC)

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**Fig. 5.** Potential Frost Flowers maps showing PFF values before and during the BrO event.

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