

Supplement of Atmos. Meas. Tech., 8, 4369–4381, 2015
<http://www.atmos-meas-tech.net/8/4369/2015/>
doi:10.5194/amt-8-4369-2015-supplement
© Author(s) 2015. CC Attribution 3.0 License.



Supplement of

Relative drifts and biases between six ozone limb satellite measurements from the last decade

N. Rahpoe et al.

Correspondence to: N. Rahpoe (nabiz@iup.physik.uni-bremen.de)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

Contour plots of derived parameters: relative drift α and relative bias β from the multi-regression model are shown for all pair combinations and with 5 latitude bins.

Following pairs of comparison/reference sensors are included here, as shown in Table 1 with the capital letter Y. The differences in contour plots are shown as Comp. - Ref. (see Fig. 1 - Fig. 15). In the contour plots the areas of statistically significant values at confidence interval CI=95 %, i.e., $(\alpha, \beta) > 2 \sigma_{(\alpha, \beta)}$ are shaded with black lines.

Table 1: Pairwise combinations of comparison sensor (Comp.) and reference sensor (Ref.).

Comp./Ref.	SCIAMACHY	GOMOS	OSIRIS	MIPAS	ACE-FTS	SMR
SCIAMACHY	-	-	-	-	-	-
GOMOS	Y	-	-	-	-	-
OSIRIS	Y	Y	-	-	-	-
MIPAS	Y	Y	Y	-	-	-
ACE-FTS	Y	Y	Y	Y	-	-
SMR	Y	Y	Y	Y	Y	-

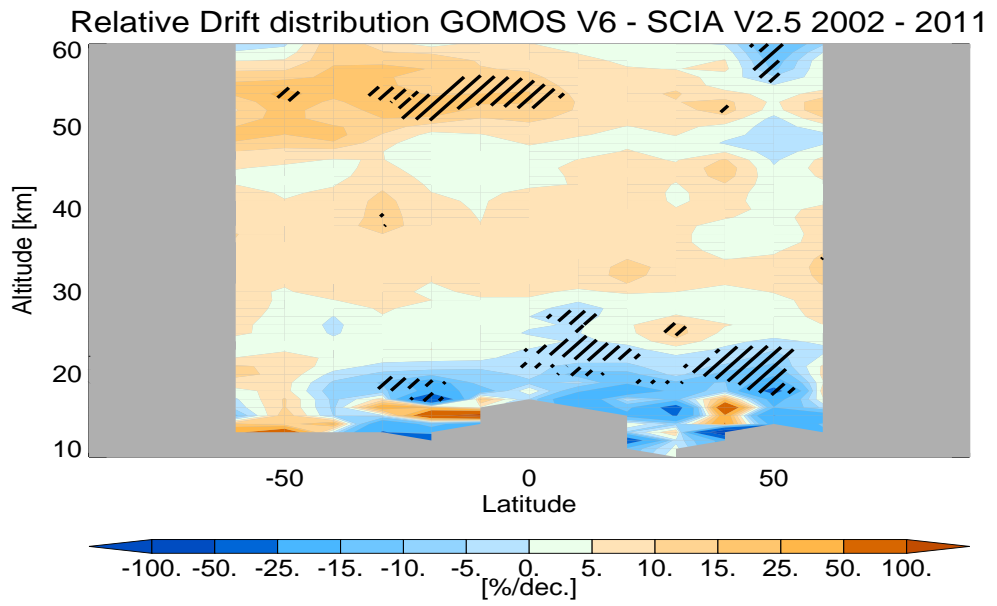
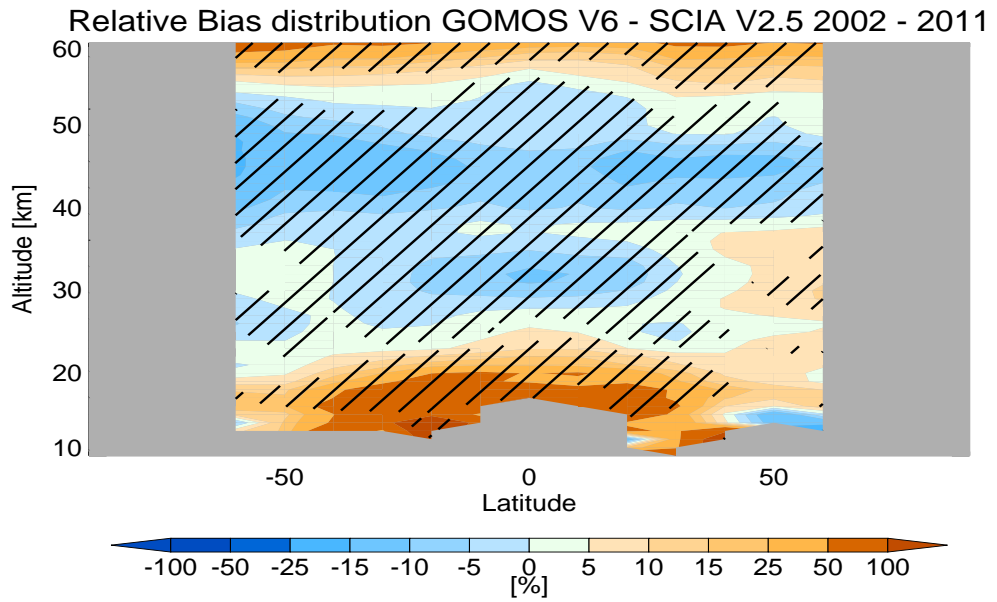


Figure 1: GOMOS - SCIAMACHY

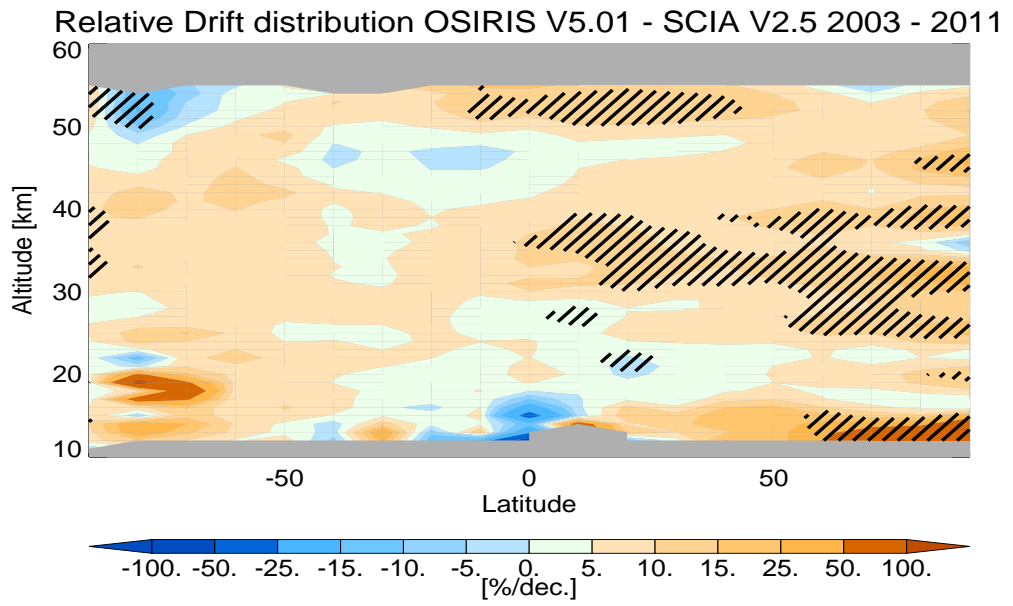
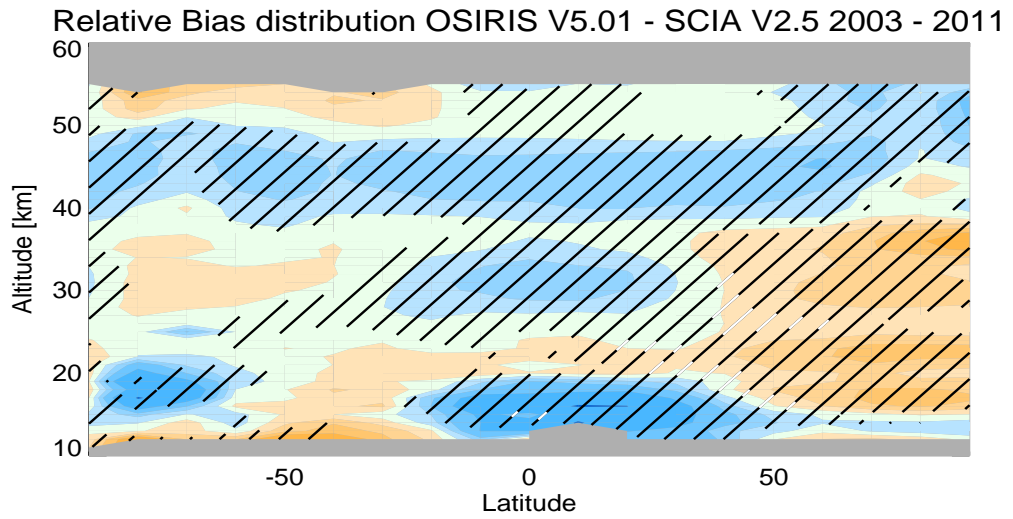


Figure 2: OSIRIS - SCIAMACHY

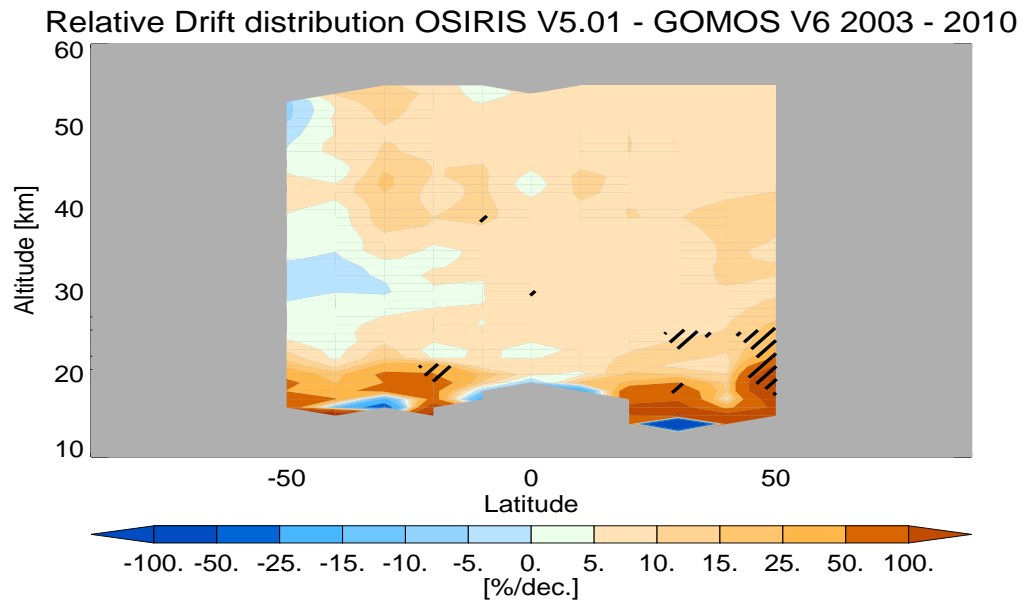
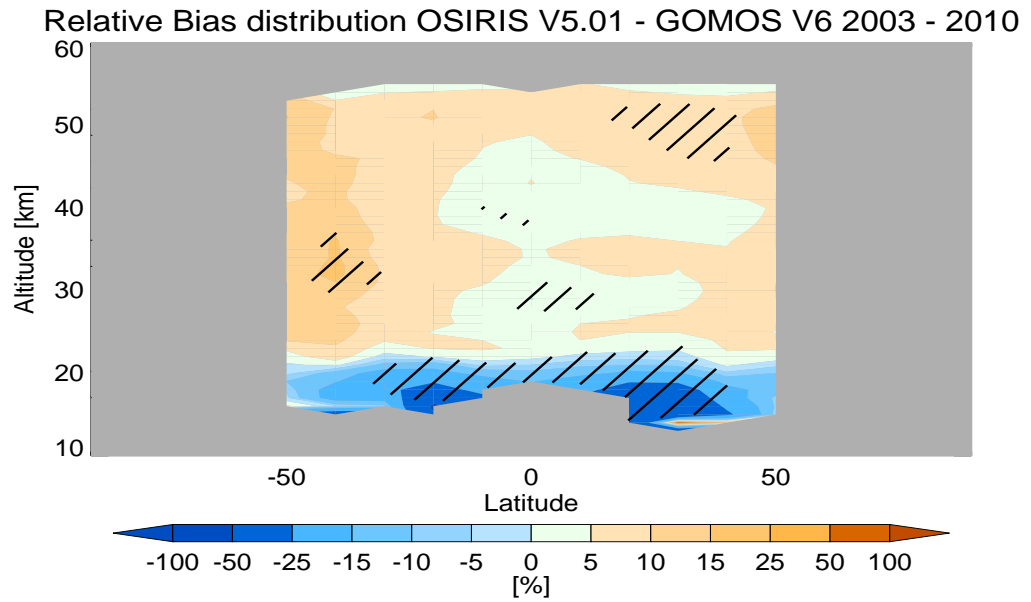


Figure 3: OSIRIS - GOMOS

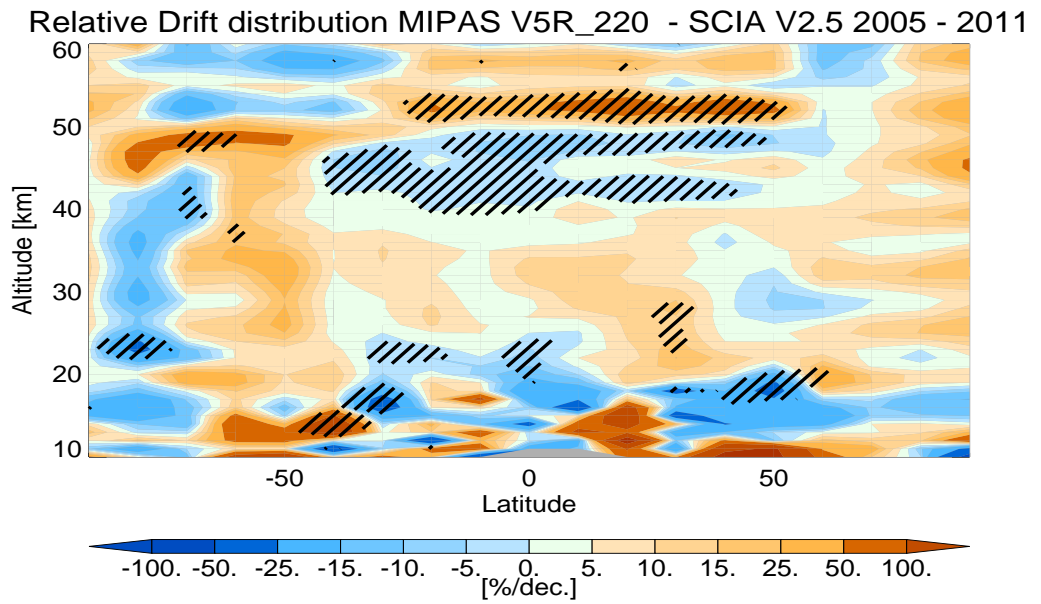
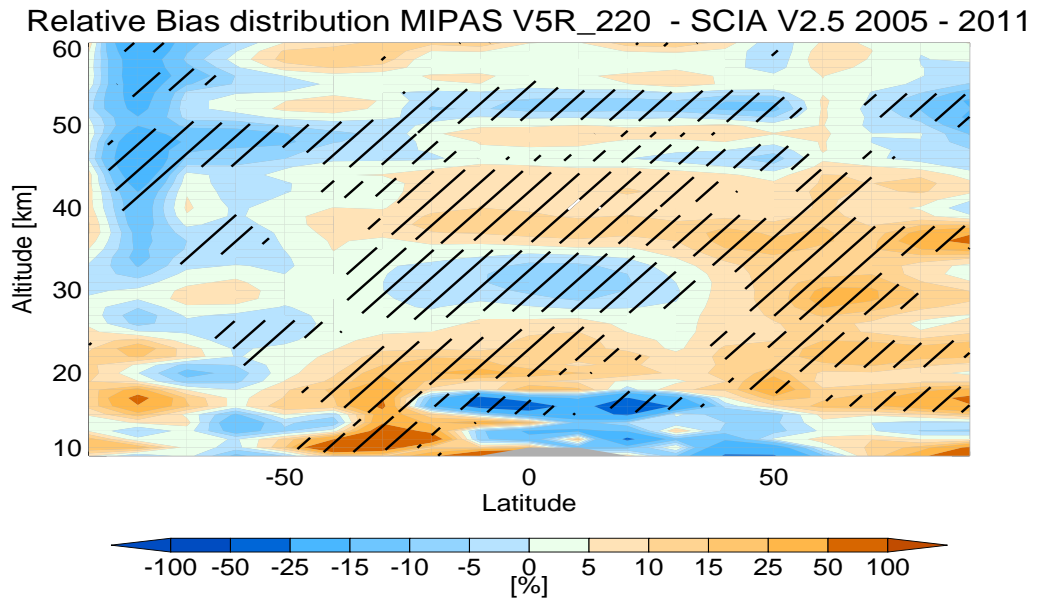
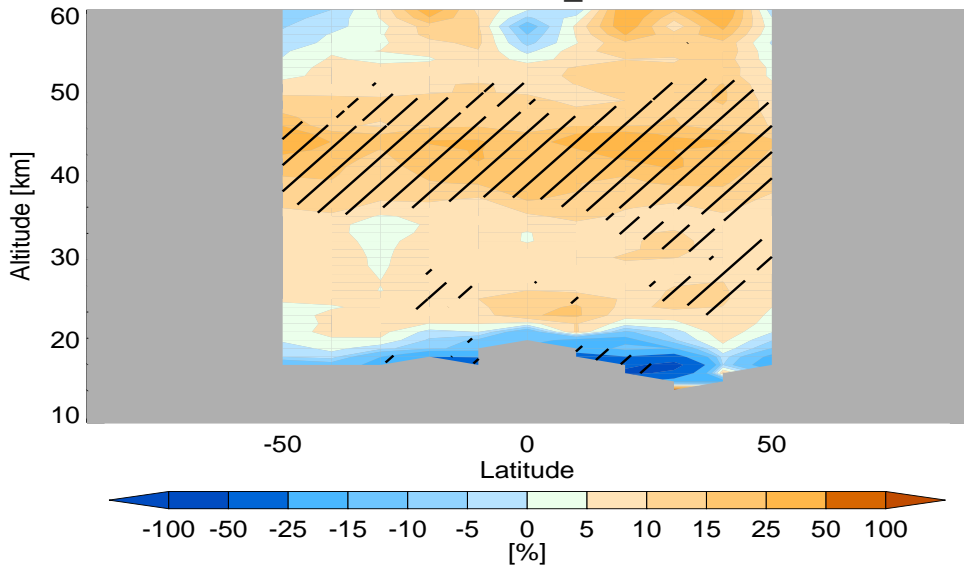


Figure 4: MIPAS - SCIAMACHY

Relative Bias distribution MIPAS V5R_220 - GOMOS V6 2005 - 2010



Relative Drift distribution MIPAS V5R_220 - GOMOS V6 2005 - 2010

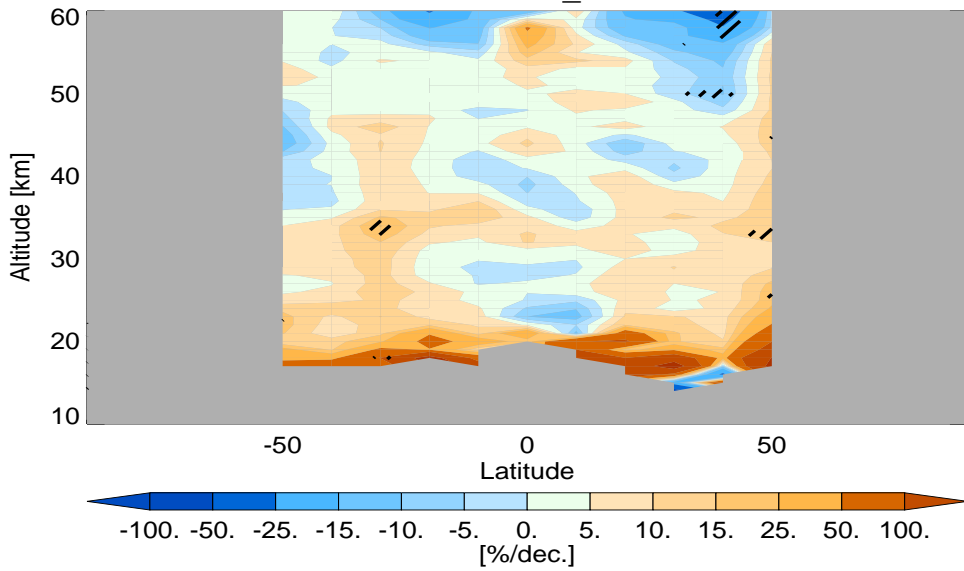
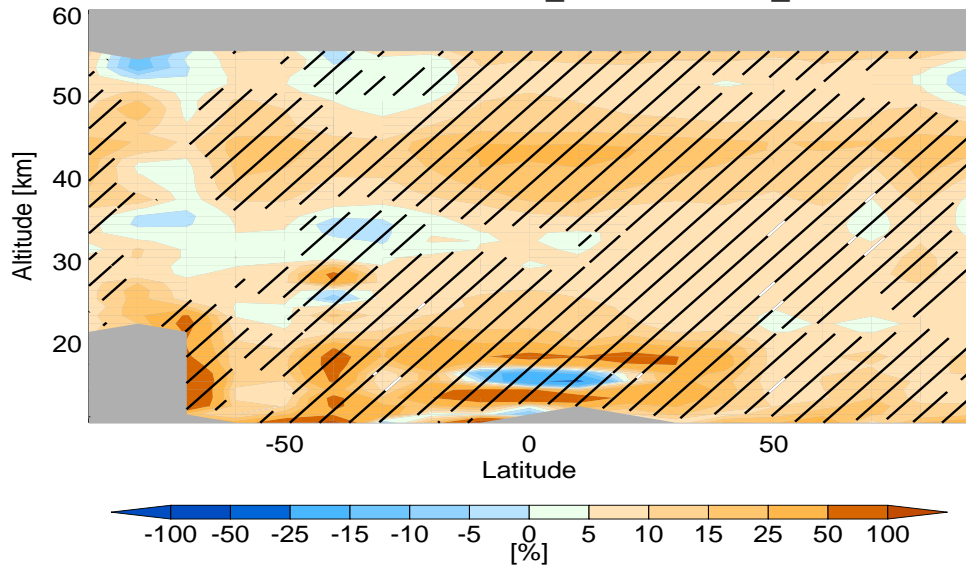


Figure 5: MIPAS - GOMOS

Relative Bias distribution MIPAS V5R_220 - OSIRIS_V5.01 2005 - 2010



Relative Drift distribution MIPAS V5R_220 - OSIRIS_V5.01 2005 - 2010

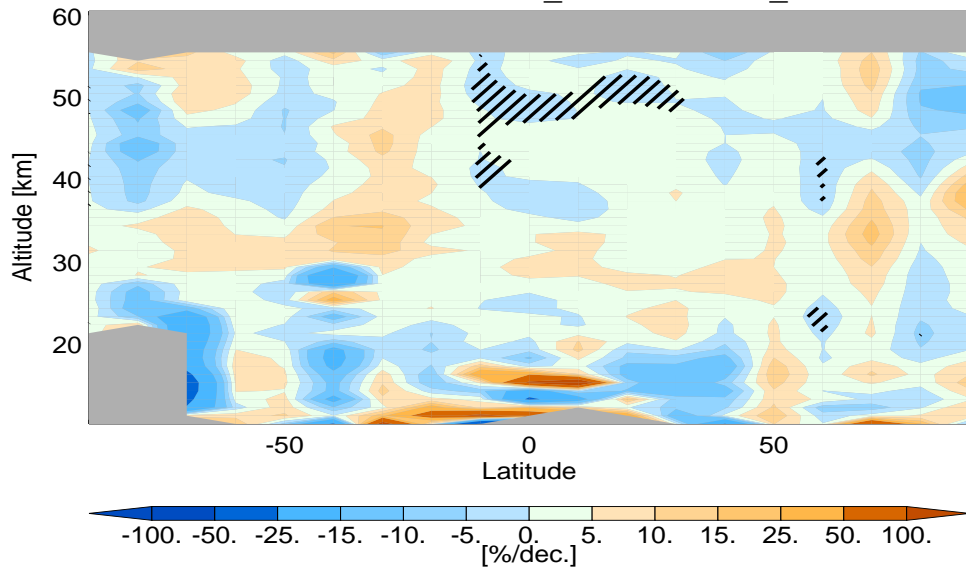


Figure 6: MIPAS - OSIRIS

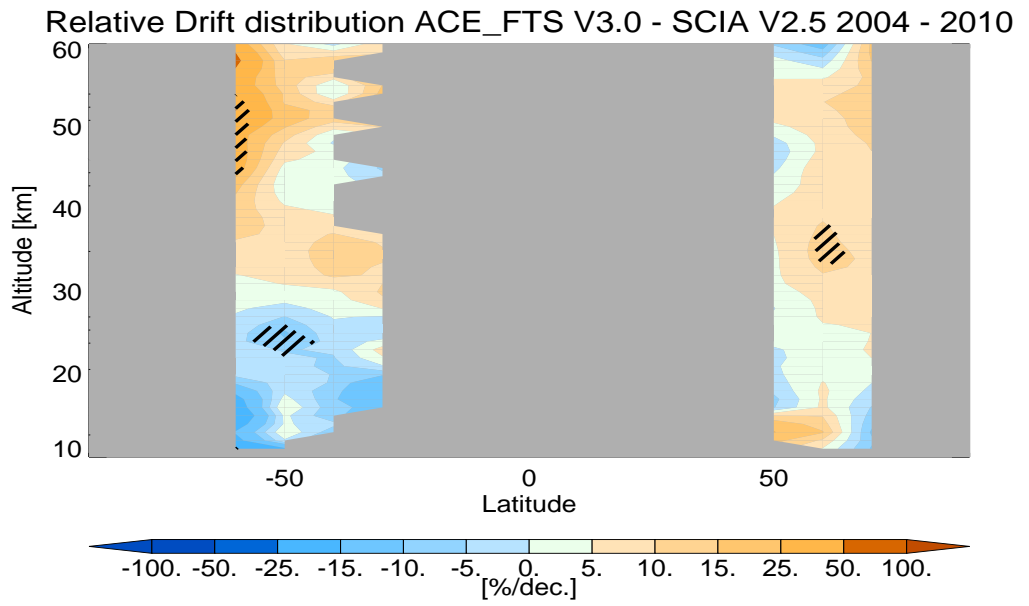
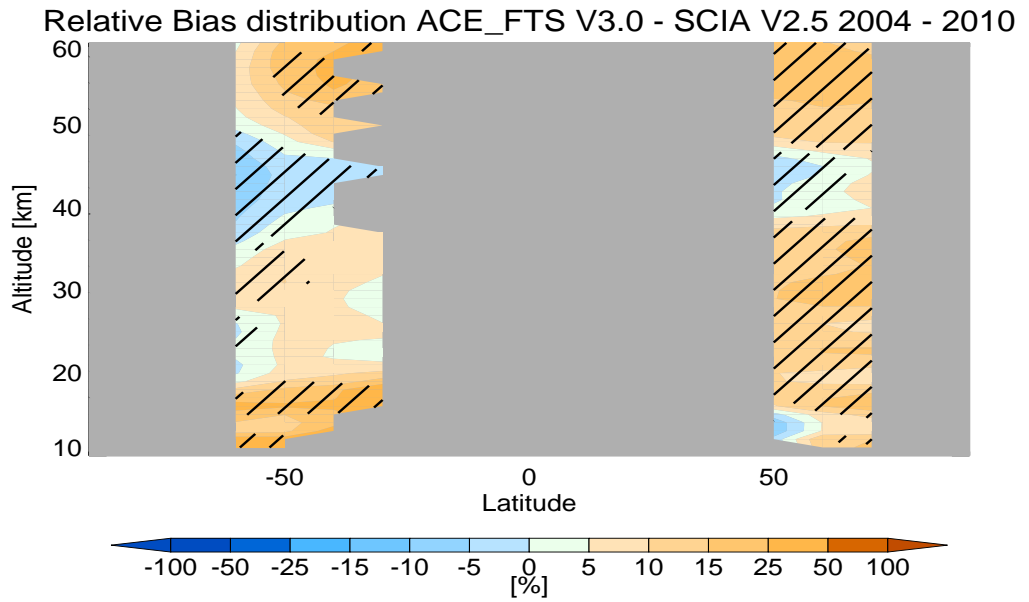


Figure 7: ACE FTS - SCIAMACHY

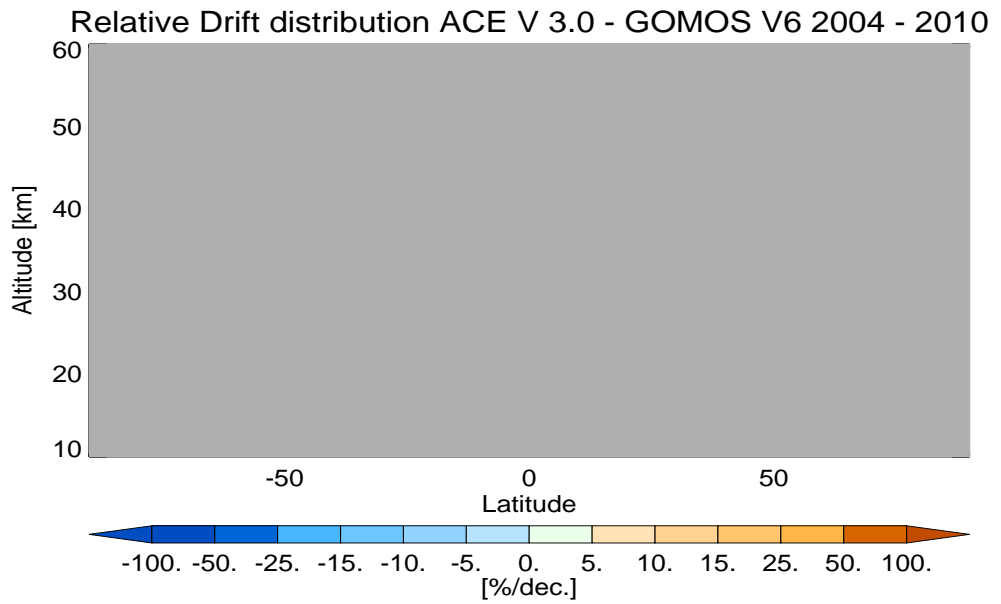
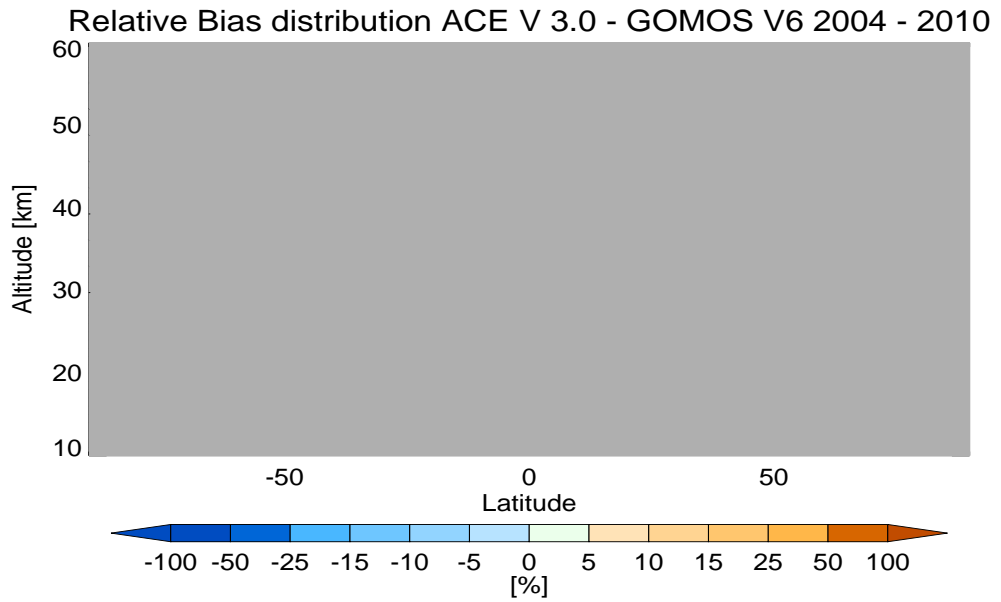


Figure 8: ACE FTS - GOMOS

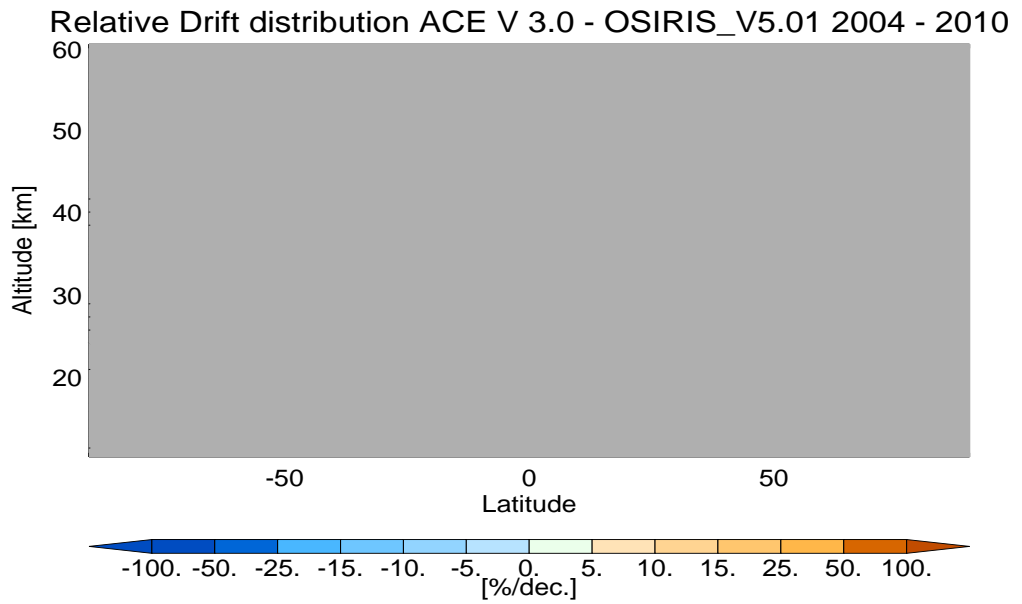
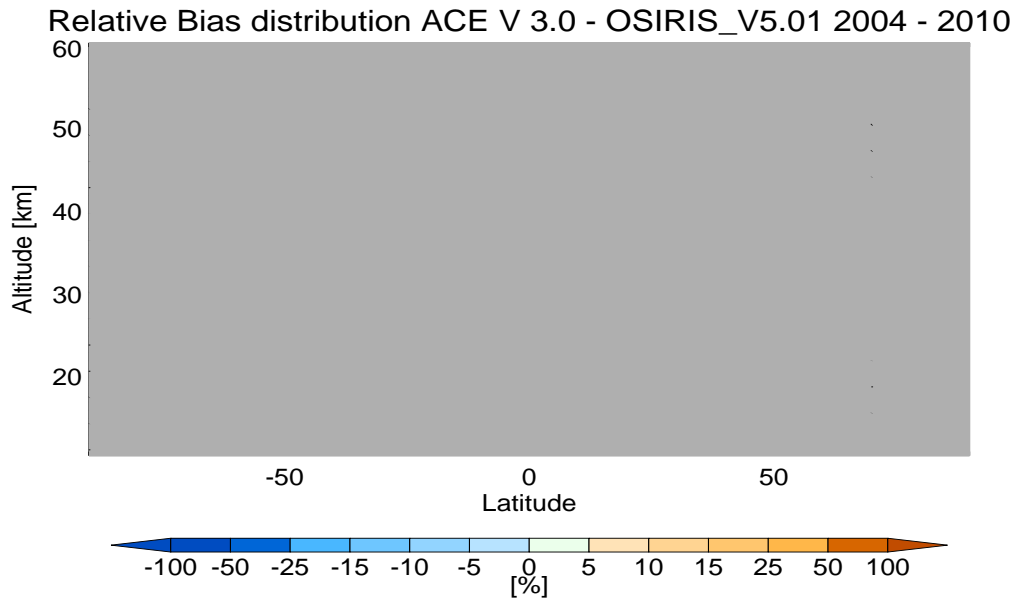


Figure 9: ACE FTS - OSIRIS

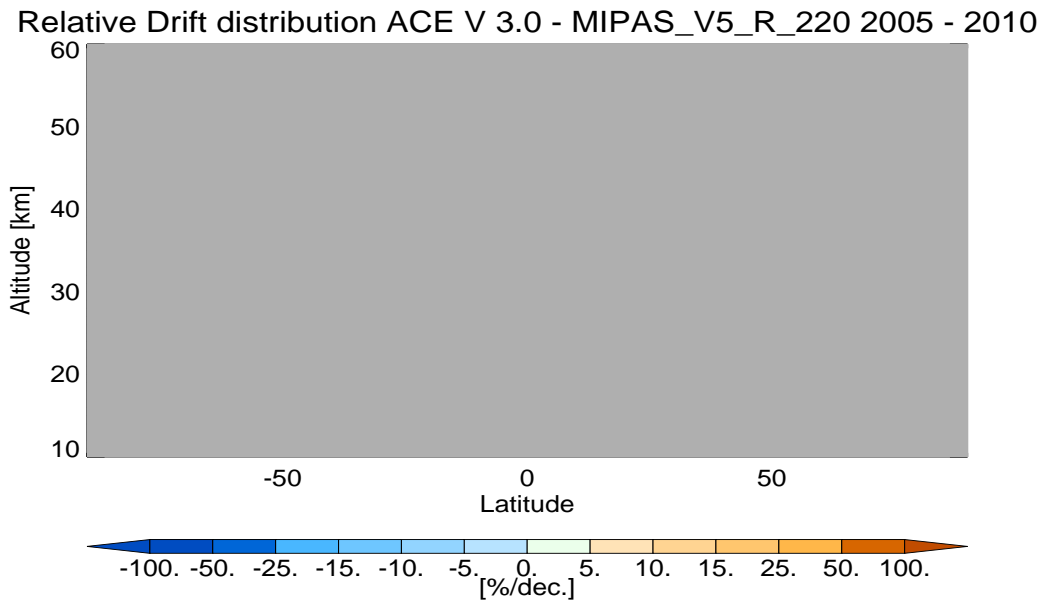
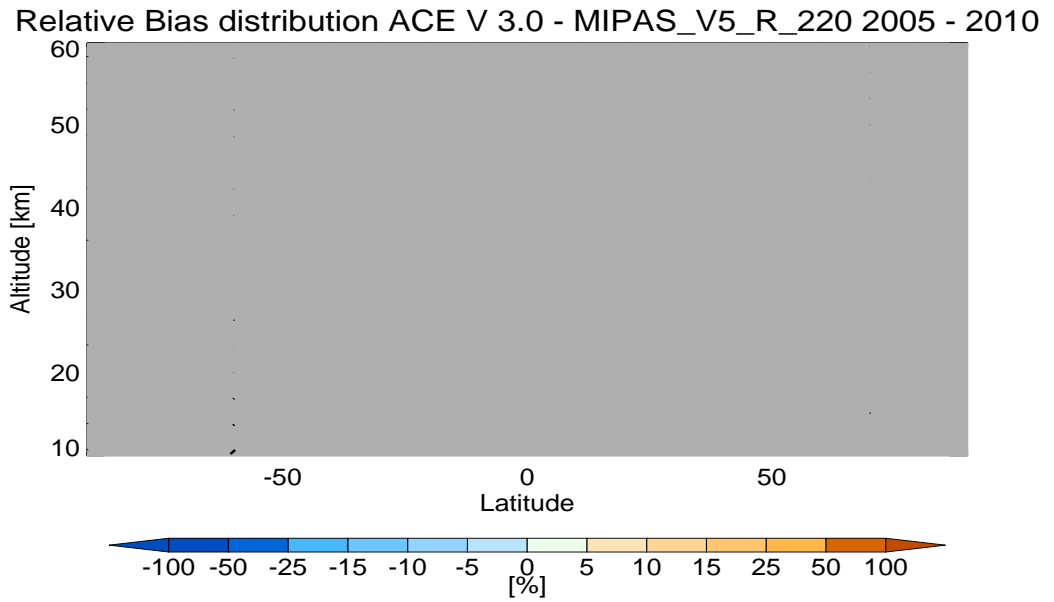


Figure 10: ACE FTS - MIPAS

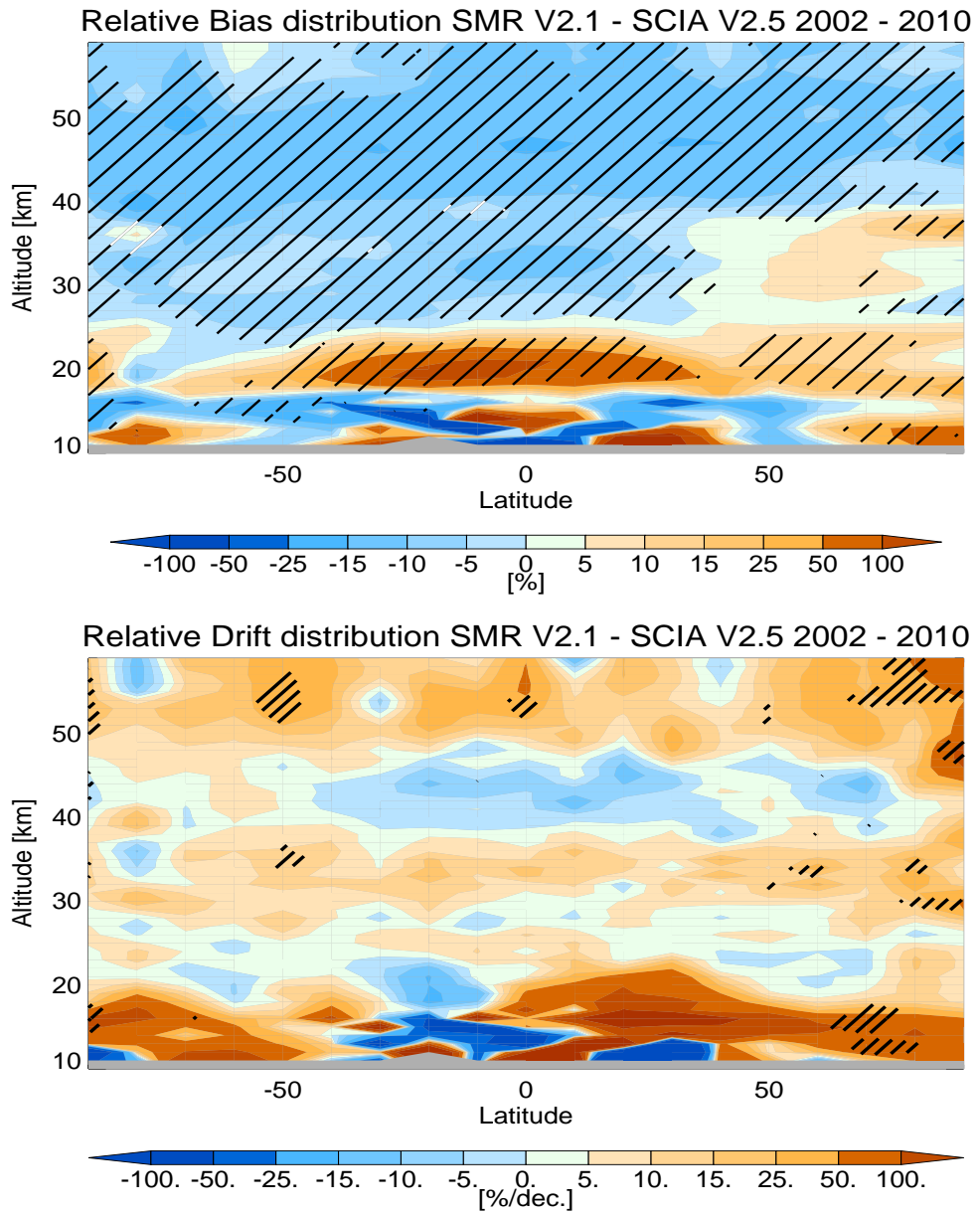


Figure 11: SMR - SCIAMACHY

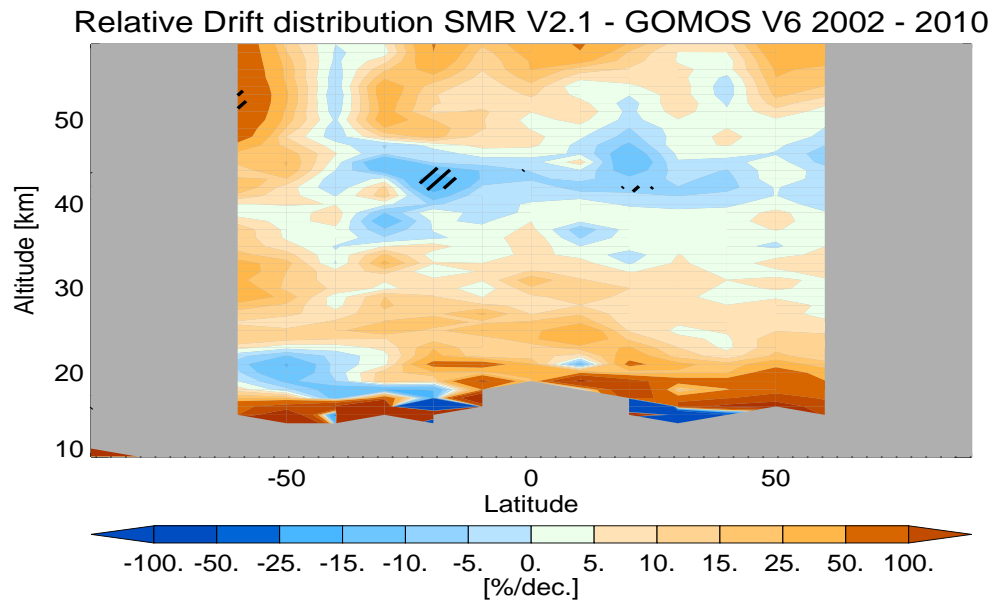
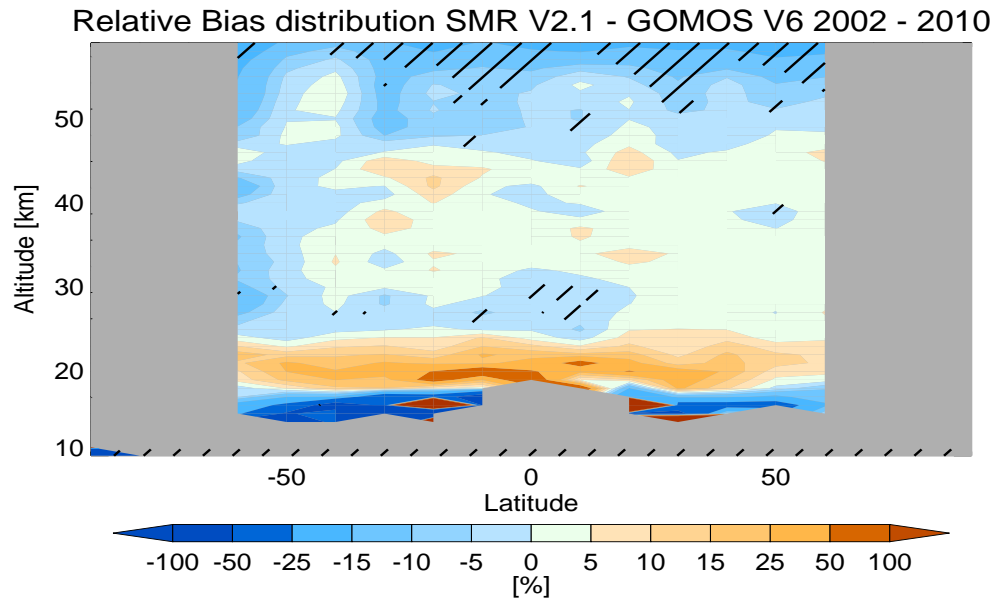


Figure 12: SMR - GOMOS

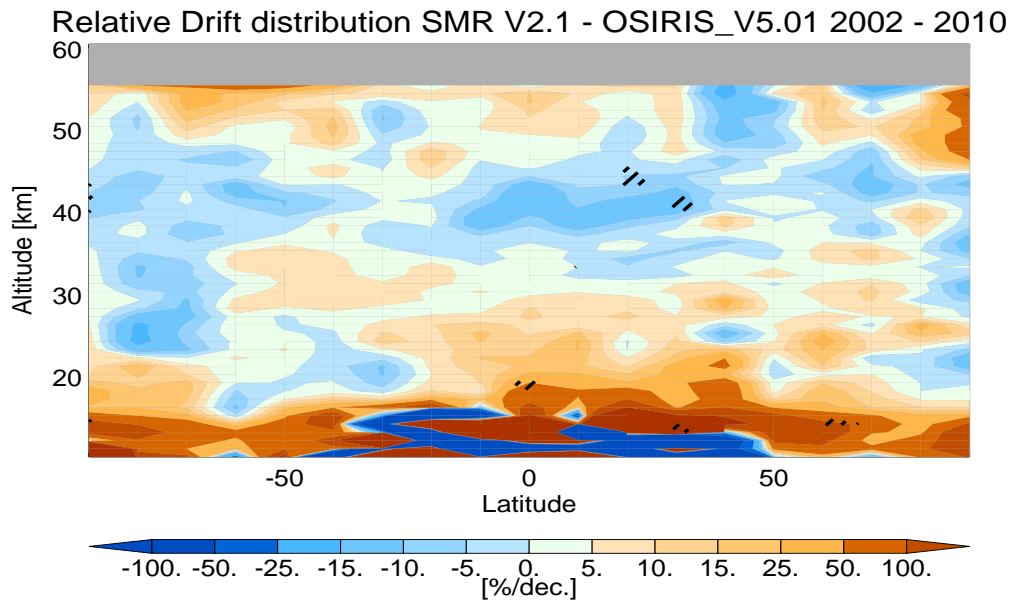
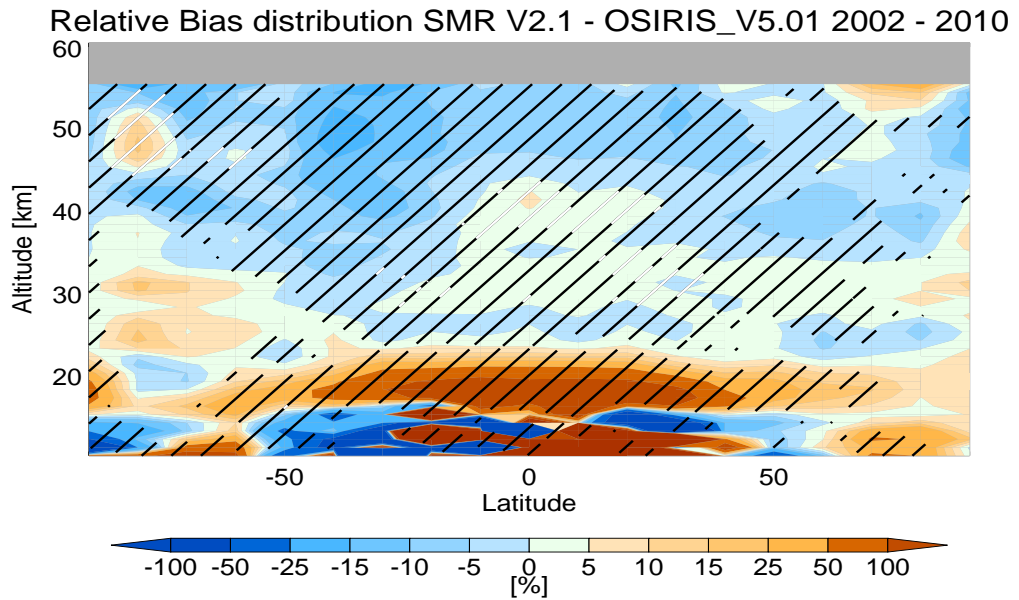
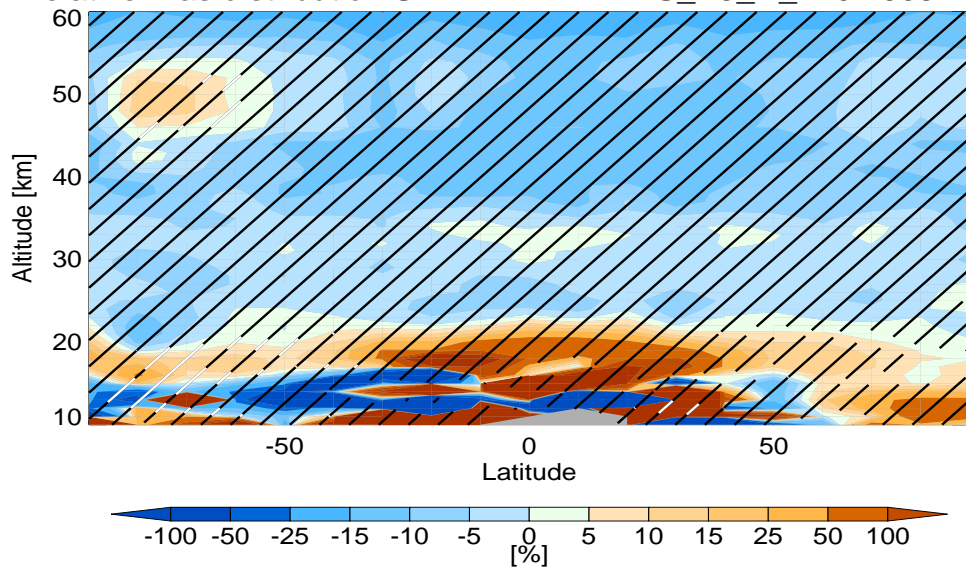


Figure 13: SMR - OSIRIS

Relative Bias distribution SMR V2.1 - MIPAS_V5_R_220 2005 - 2010



Relative Drift distribution SMR V2.1 - MIPAS_V5_R_220 2005 - 2010

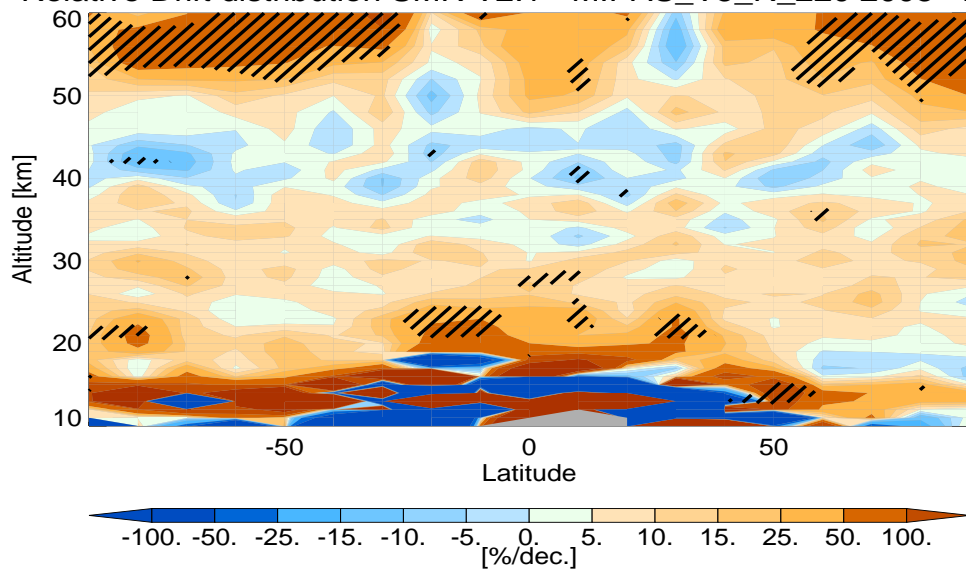


Figure 14: SMR - MIPAS

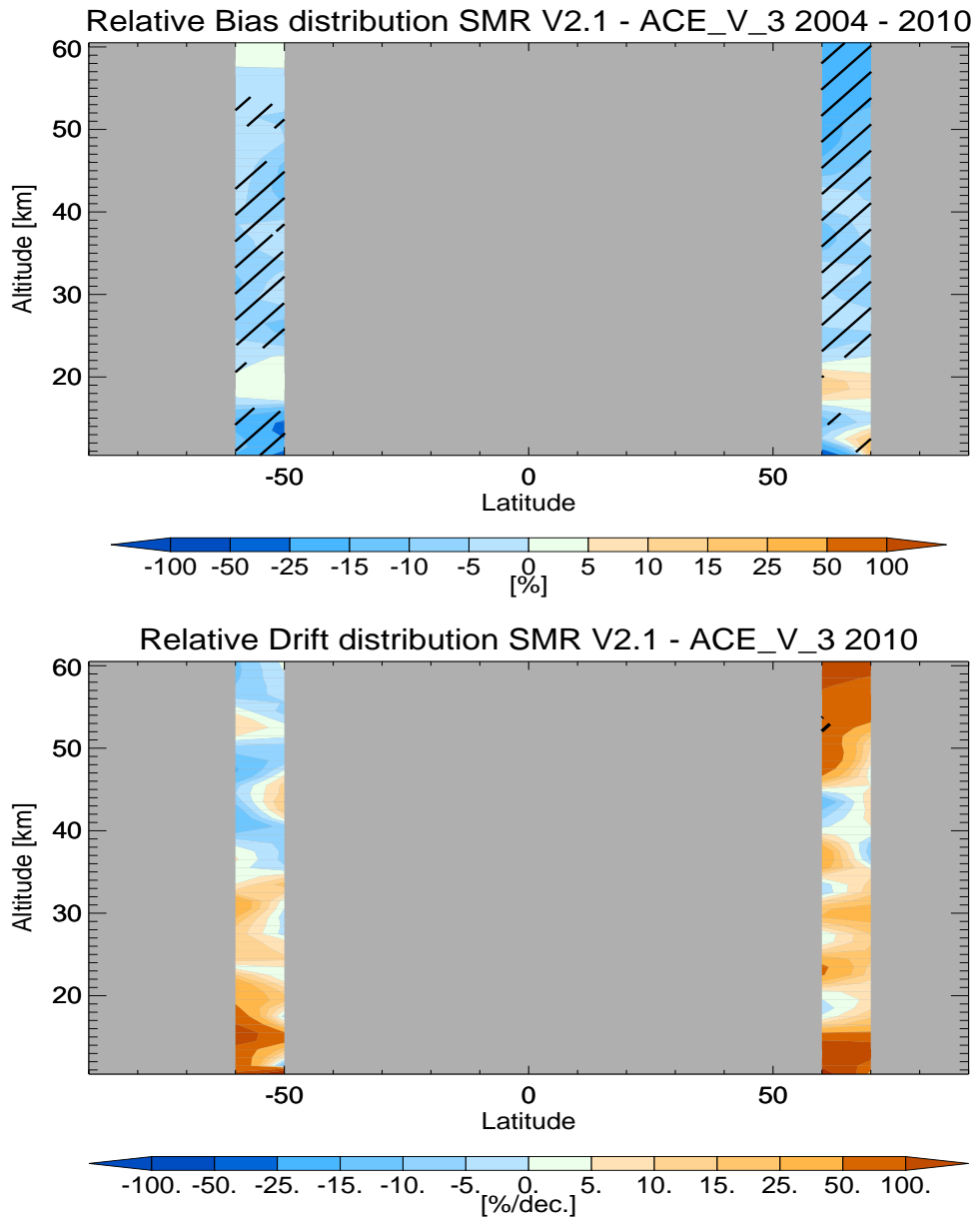


Figure 15: SMR - ACE FTS