## **Overview of Stratospheric Analyses Produced by BASCOE** in the Framework of GSE-PROMOTE

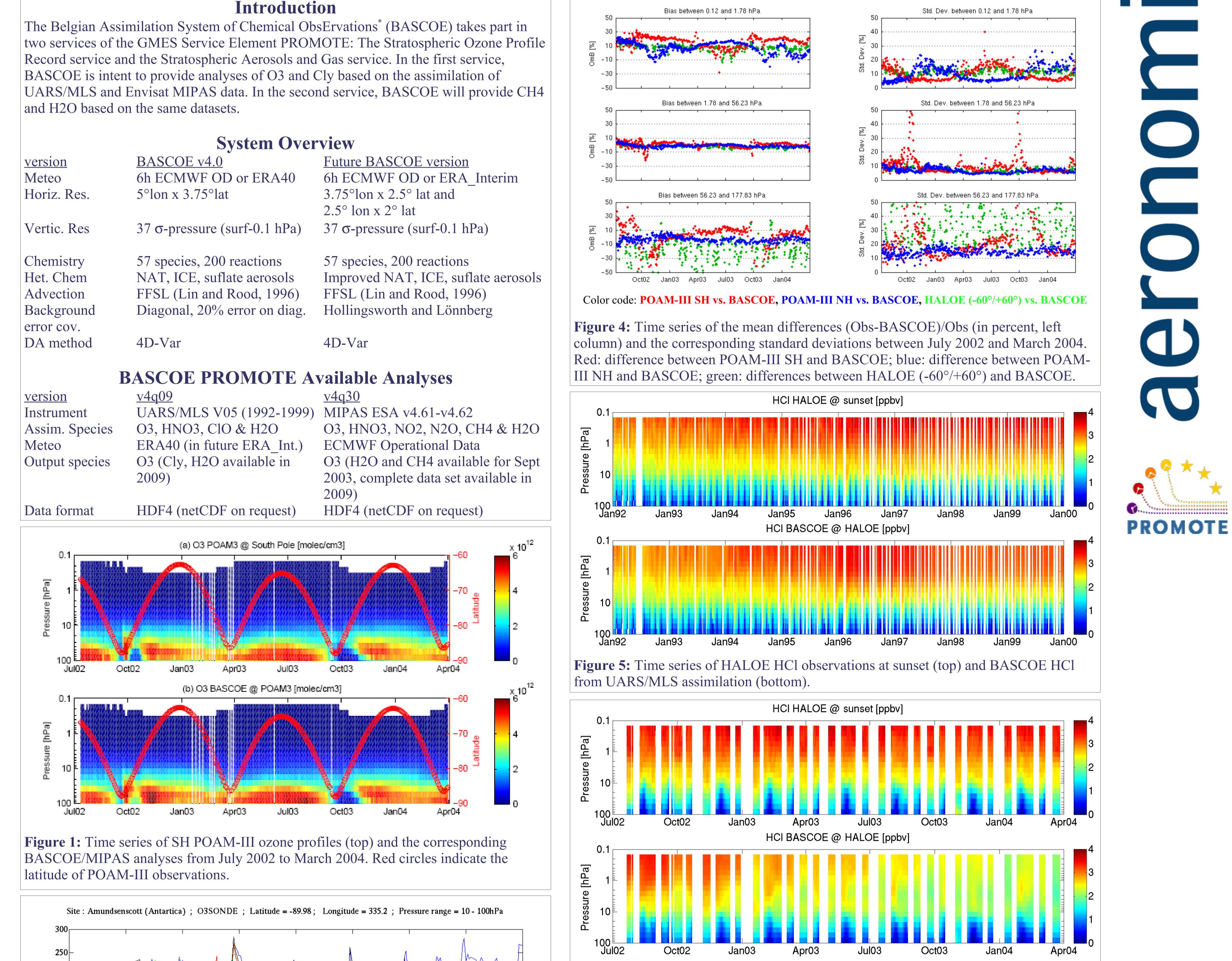
Q. Errera, S. Viscardy, F. Daerden, S. Chabrillat and Y. Christophe

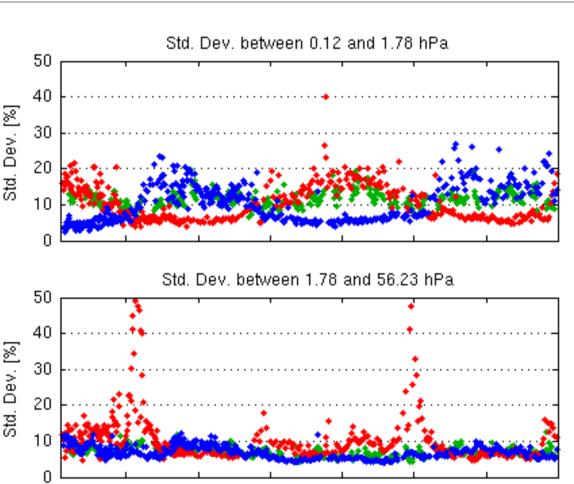
(BIRA-IASB, Belgium)

www.bascoe.oma.be/promote

## **System Overview**

Future BASCOE version  $3.75^{\circ}$ lon x  $2.5^{\circ}$  lat and





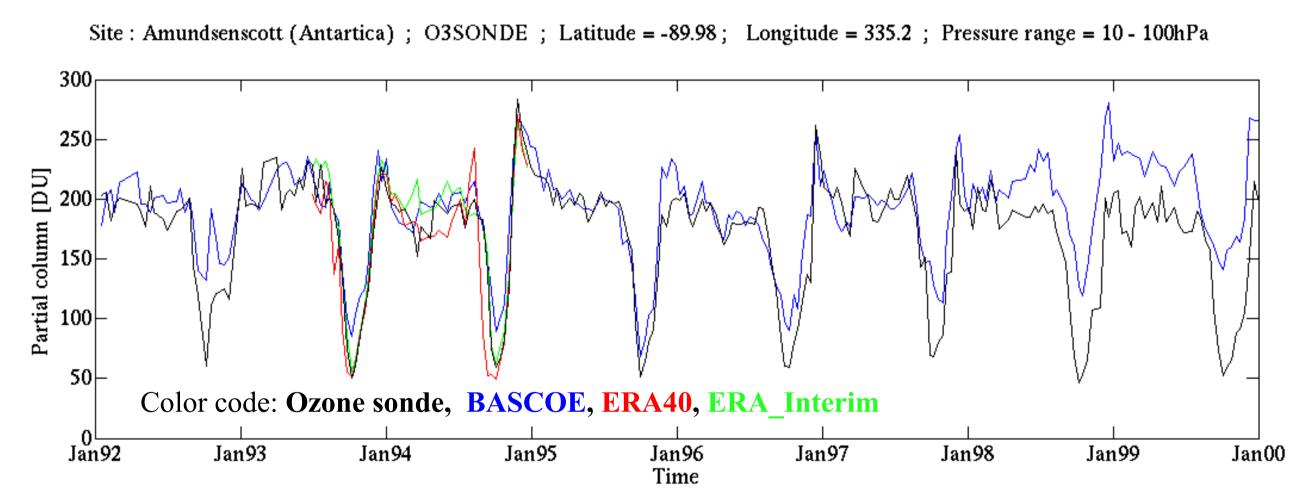
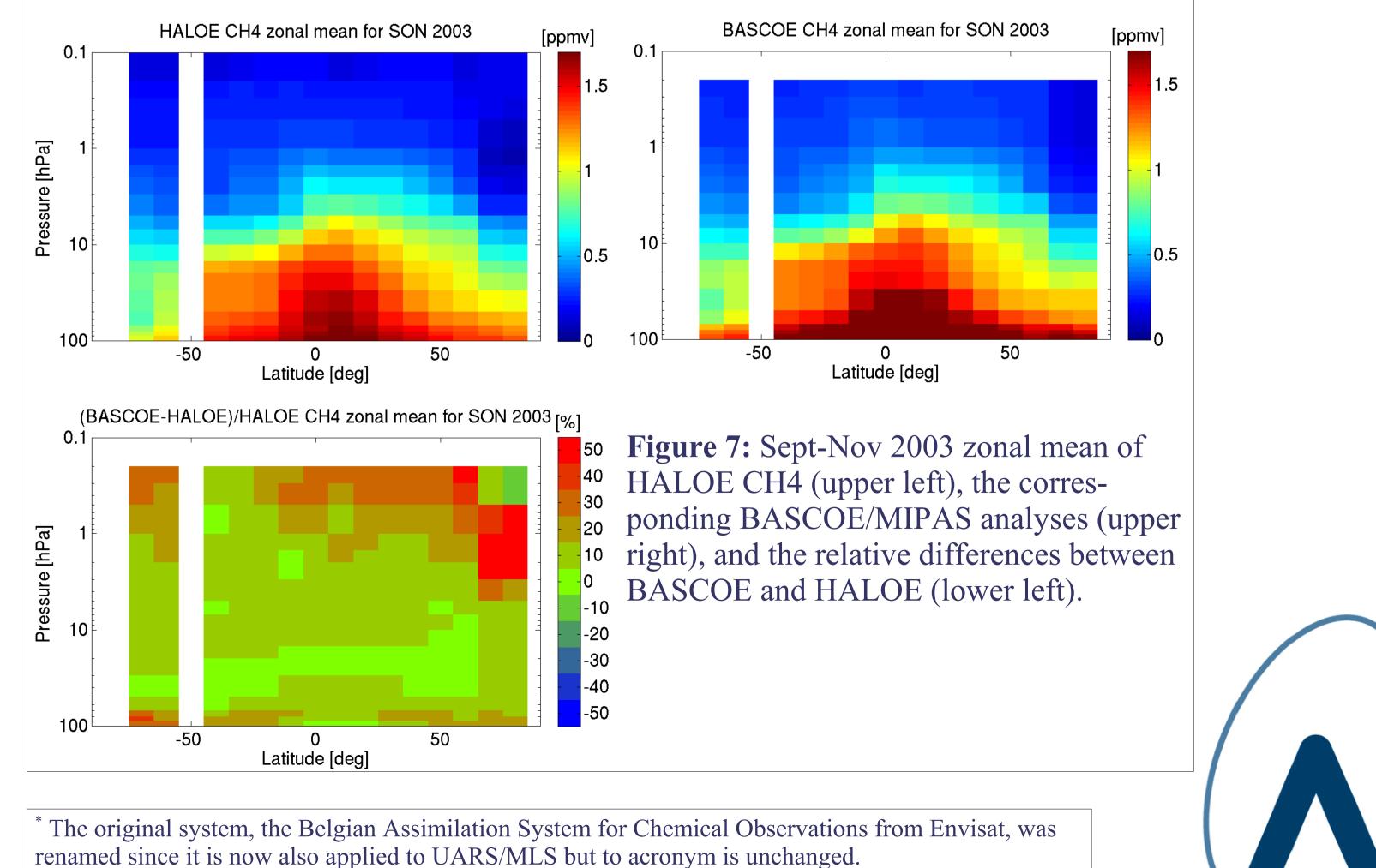


Figure 2: Time series of ozonesondes partial column between 10 and 100 hPa at South Pole station compared to (1) BASCOE/MLS analyses, (2) ECMWF ERA40 and (3)

**Figure 6:** Time series of HALOE HCl observations at sunset (top) and BASCOE HCl from MIPAS assimilation (bottom).





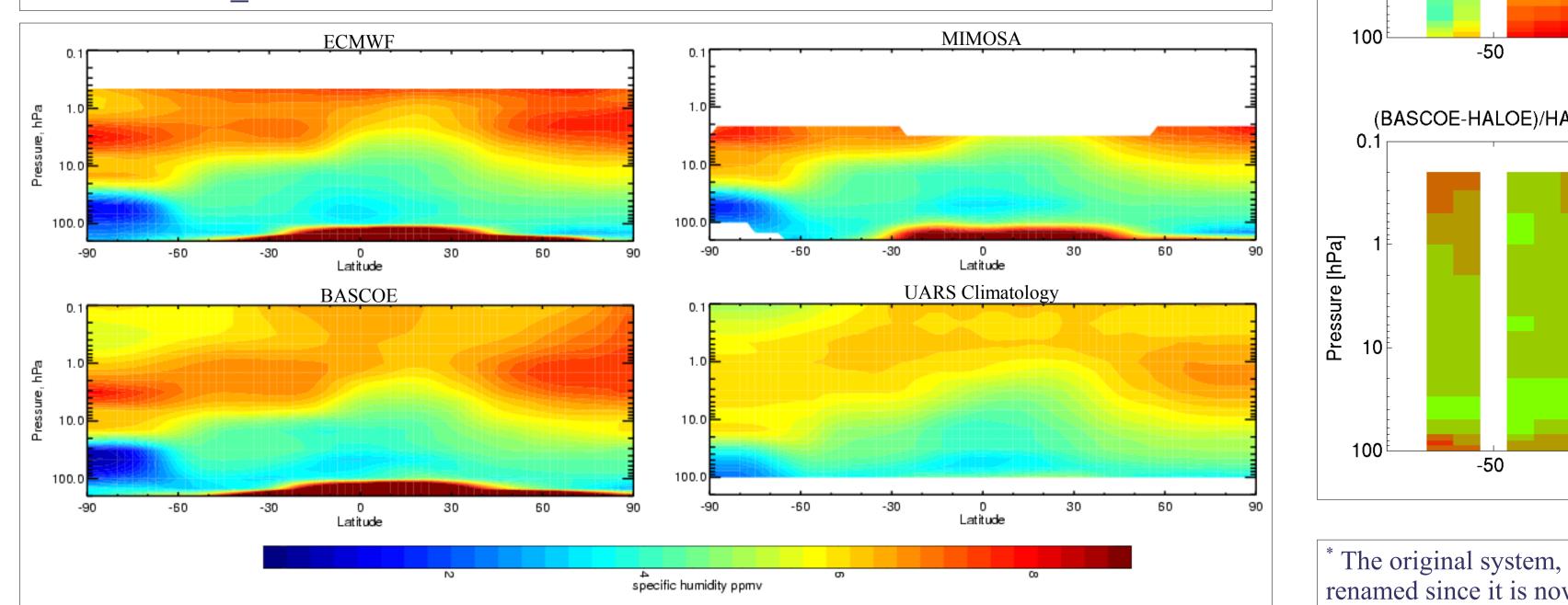


Figure 3: September 2003 zonal mean H2O from (a) ECMWF/MIPAS analyses, (b) BASCOE/MIPAS analyses, (c) MIMOSA/MIPAS analyses and (d) UARS climatology. © Thornton et al., ACPD, 2008.