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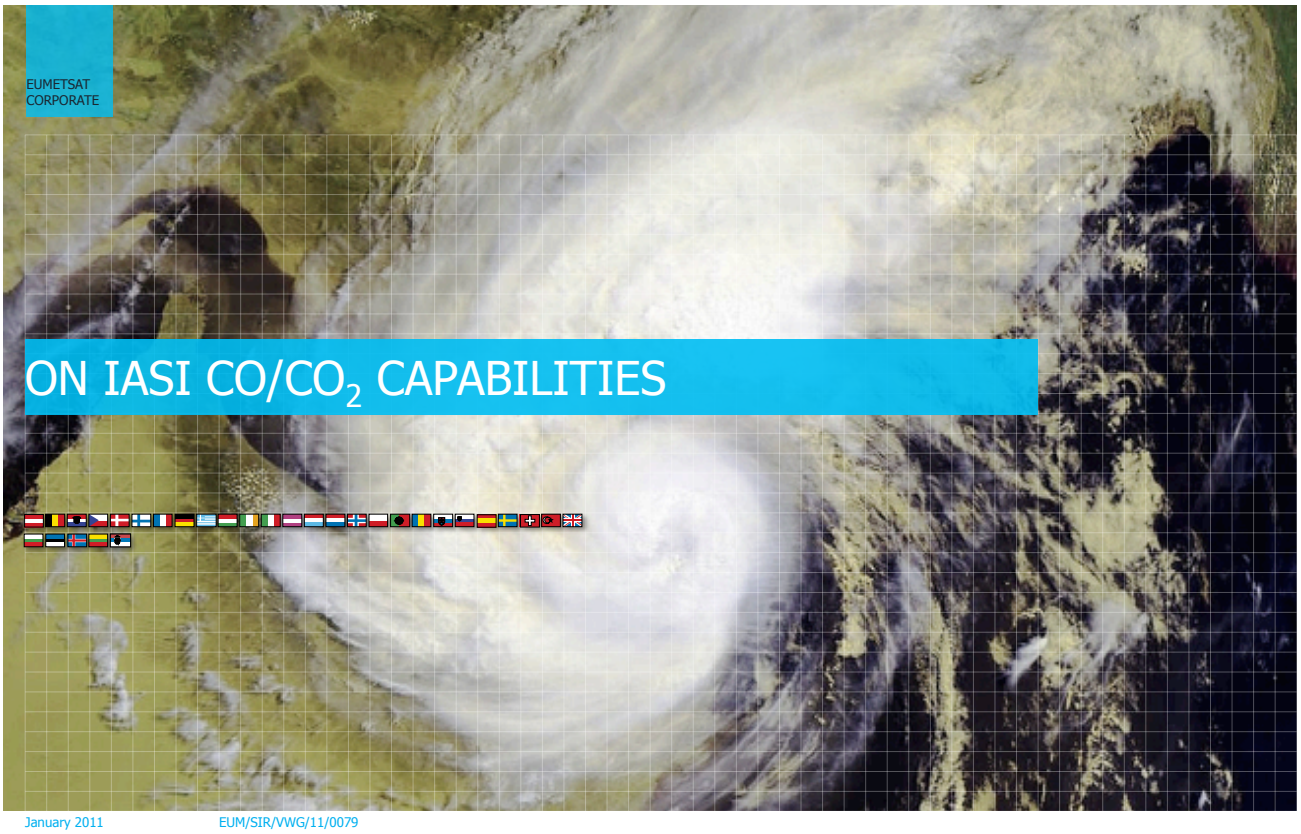
MONITORING WEATHER AND CLIMATE FROM SPACE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ON IASI CO/CO2 CAPABILITIES

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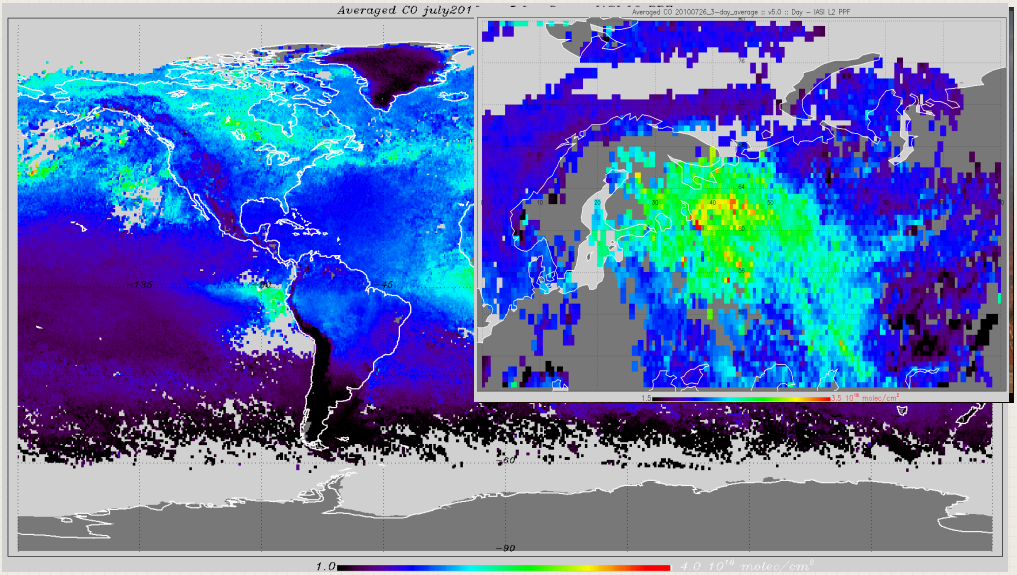
CO CONCENTRATION DERIVED FROM IASI INSTRUMENTS



Average columnar amount of Carbon monoxide (CO) derived from IASI on Metop-A for July 2010. Increased CO illustrates the pollution and the combustion like from biomass burning as indicated in the figure over Africa. (August, 2011)

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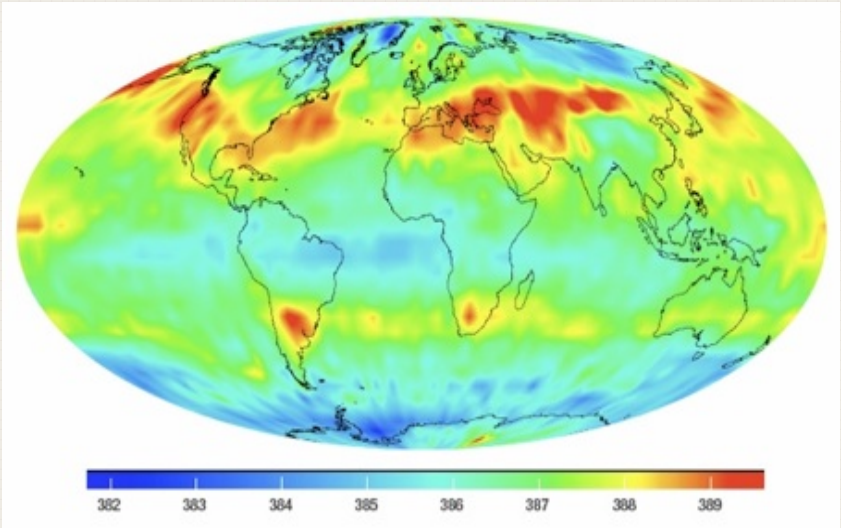
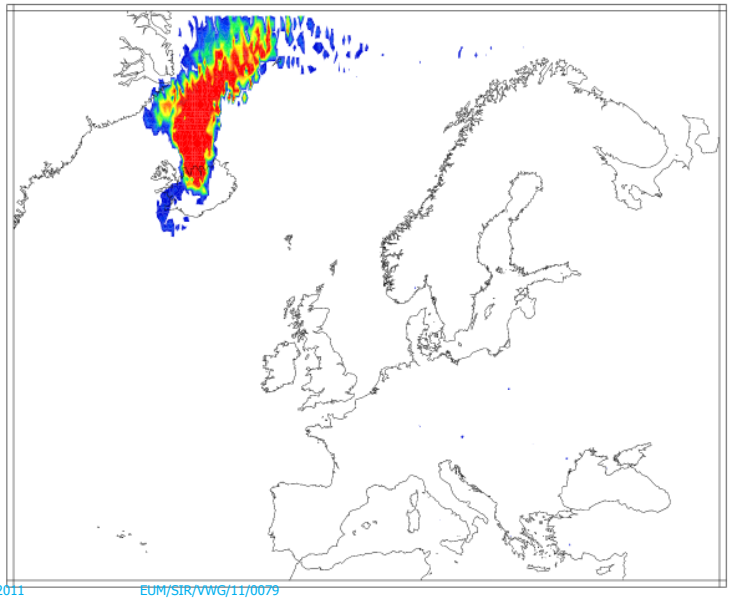
CO2 CONCENTRATION DERIVED FROM AIRS / IASI INSTRUMENTS



Monthly average of carbon dioxide in the middle troposphere made from data acquired by AIRS during July 2009. Source: NASA, 2009: http://airs.jpl.nasa.gov/AIRS_CO2_Data/

IASI SO_2

Metop-A/IASI SO2 signal, 20110522 Ascending



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