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Bipolar ozone loss rates measured by ozonesonde Match campaigns during IPY

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In the frame of the International Polar Year three ozonesonde Match campaigns have been performed, one in the Antarctic and two in the Arctic. Nine stations participated in the Antarctic campaign: Belgrano, Davis, Dome Concordia, Dumont d'Urville, Marambio, McMurdo, Neumayer, South Pole and Syowa. The campaign lasted from early June to end of October 2007. Numerous polar and mid-latitude stations participated in both Arctic campaigns. The first one lasted from early January to early April 2007. The second campaign started mid of December 2007 and was ongoing mid of February. We present ozone loss rates deduced from data of all three campaigns. The ozone loss rates in the Antarctic follow in general those of the first Antarctic Match campaign in 2003 reaching 60 to 80 ppb/day in the range 450 K to 500 K during September. The uncertainty is larger compared to 2003 where maximum loss rates around 60 ppb/day were measured. The Arctic winter 2006/07 was a winter with moderate ozone losses compared to losses in former winters of the last two decades. Together with the winter 2007/08 the data add to the large Match data base currently consisting 14 Arctic and 2 Antarctic winters since 1991/92.