



Two Years of Ozone Observations from the South Pole Brewer

Tom McElroy (1), Volodya Savastiouk (1), Robert Evans (2), Samuel Oltmans (2), John Booth (2), and Amy Cox (2)

(1) Environment Canada, Toronto, Canada, (2) National Oceanic and Atmospheric Administration, Boulder, Colorado, USA

A Mark III, double-monochromator Brewer Ozone Spectrophotometer has now been operating at the Amundsen-Scott Antarctic Base for more than two years. The instrument was installed under an agreement with the US National Oceanic and Atmospheric Administration (NOAA) by Environment Canada in February of 2008. It has now collected more than two years of observations. Both direct sun data and moon measurements have been made and the results compared with the station Dobson Spectrophotometer observations. The Brewer has operated well under the harsh conditions at the South Pole, enduring outside temperatures below -70C. Some the results of the analysis of these data will be presented and discussed.