## **Ozone Measurements in Australia**

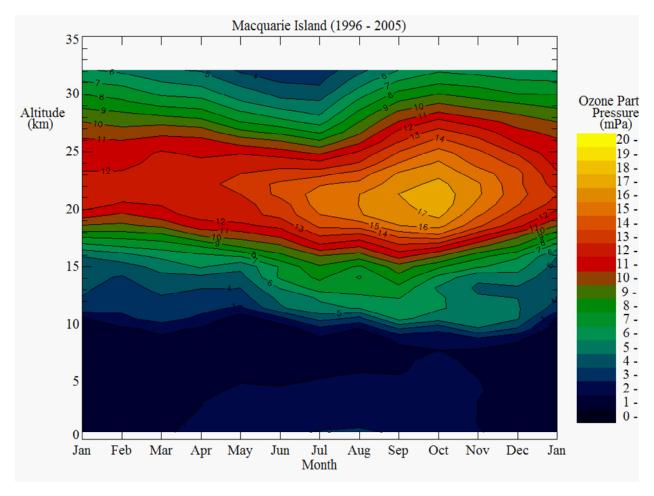
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The Australian Bureau of Meteorology maintains a network of five Dobson stations measuring total column ozone – Brisbane, Darwin, Melbourne, Macquarie Island and Perth (operated on behalf of NOAA). Ozone profiles are also measured at Melbourne and Macquarie Island with weekly ozonesonde flights, with a reduced program of sonde flights also operating at Davis Base in Antarctica (in conjunction with the Australian Antarctic Division).

Together these sites cover a wide range of latitudes across the relatively data sparse Southern Hemisphere, and possess data records of various lengths.

I will give a brief overview of the network and then present some features of the data record, including ozone climatologies and trend analyses.



**Figure 1**. Mean ozone partial pressure by month and altitude as measured by the Bureau of Meteorology's ozonesonde program at Macquarie Island (55°S 159°E) from 1996 to 2005.