



*Supplement of*

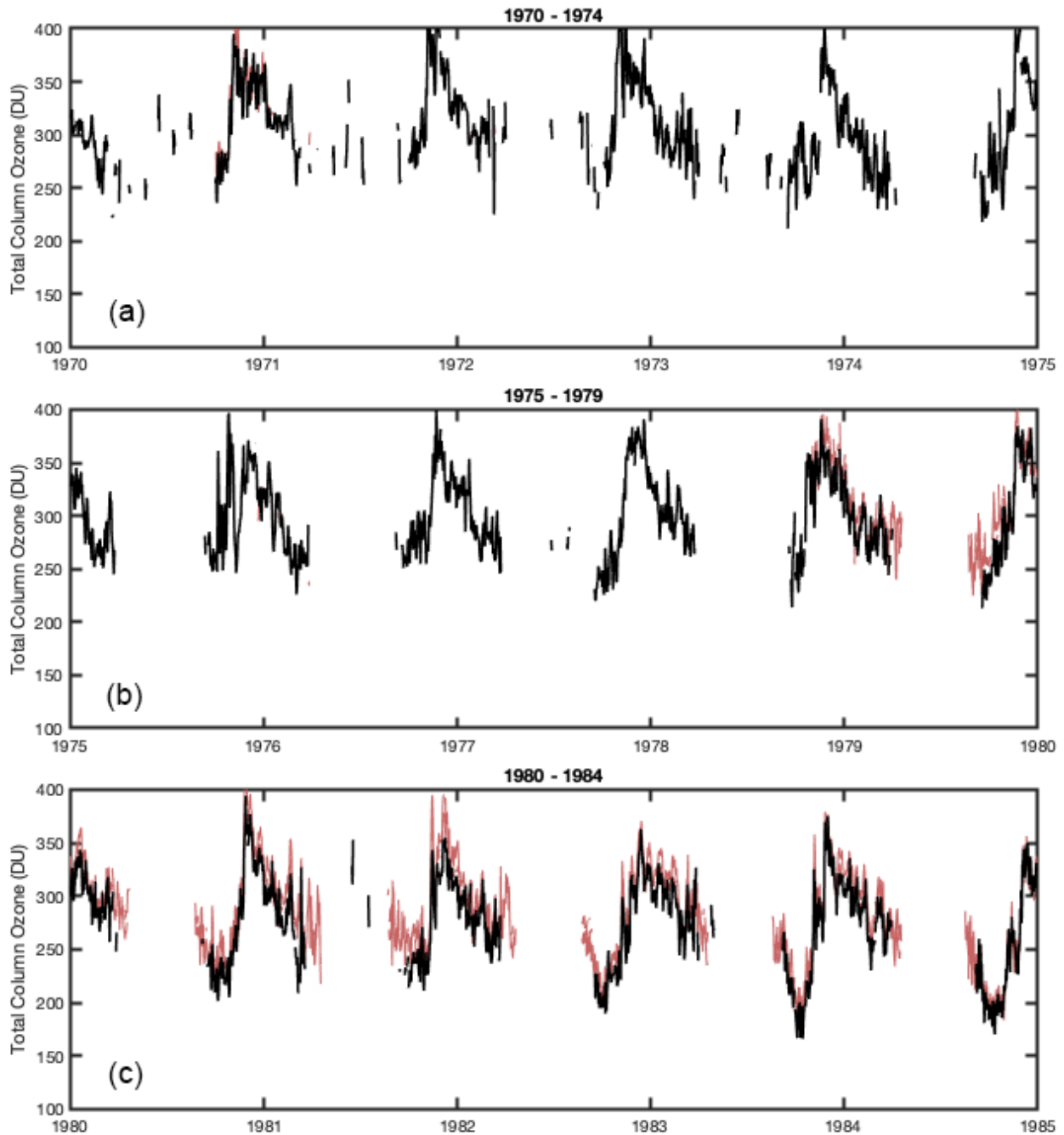
## **On the use of satellite observations to fill gaps in the Halley station total ozone record**

**Lily N. Zhang et al.**

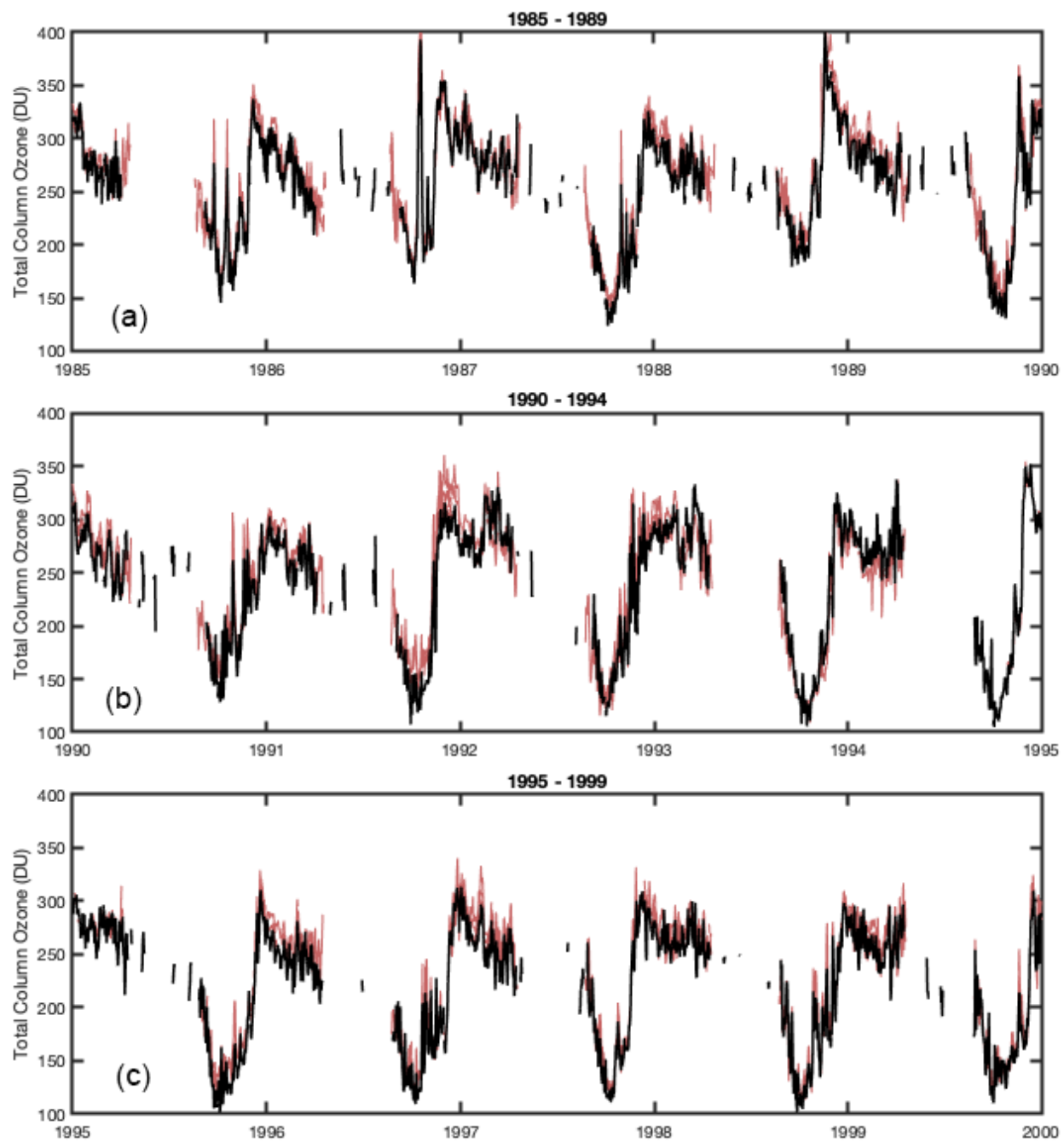
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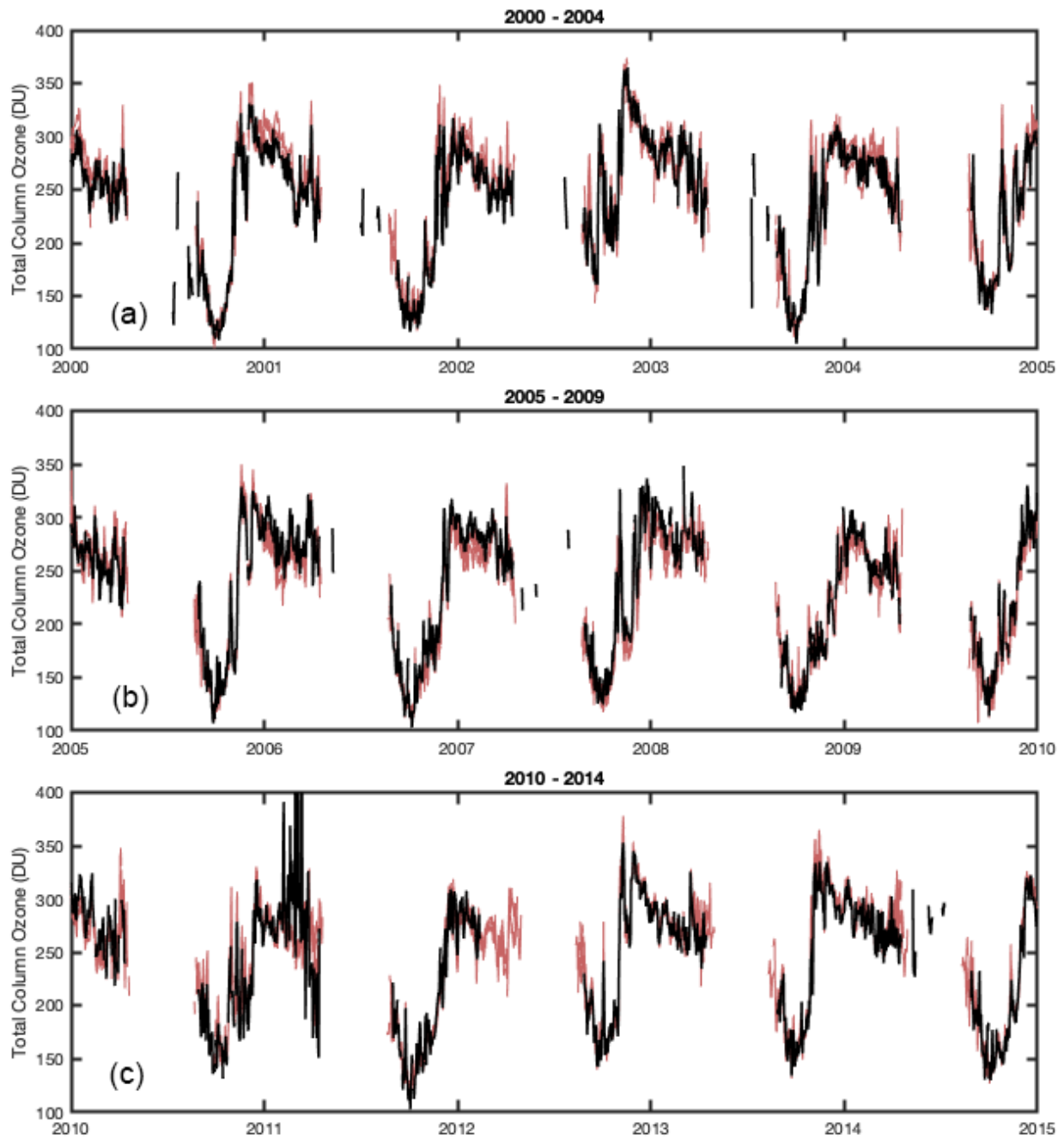
**Figures: Timeseries of the Satellite Average and Halley Dobson from 1970 to 2014 (see main text for data after 2014).**



**Figure S1:** Daily averages for total column ozone measurements by Dobson instruments at Halley station (in black) overlaid on top of all available (raw) satellite daily averages (in red) from (a) 1970-1974 (b) 1975-1979 (c) 1980-1984.



**Figure S2:** Daily averages for total column ozone measurements by Dobson instruments at Halley station (in black) overlaid on top of all available (raw) satellite daily averages (in red) from (a) 1985-1989 (b) 1990-1994 (c) 1995-1999.



**Figure S3:** Daily averages for total column ozone measurements by Dobson instruments at Halley station (in black) overlaid on top of all available (raw) satellite daily averages (in red) from (a) 2000-2004 (b) 2005-2009 (c) 2010-2014.