



Figure 11. (top) The ISSN sunspot number series from January 1850 to January 2017. (bottom) Its Fourier spectrum.

(2004) also detect multidecadal (Gleissberg) 50–150 years and multicentennial 200- to 500-year variations in climate and solar activity.

Perez-Peraza et al. (2012) give evidence of periodicities around 240, 120, 60, and 30 years in what they believe are cosmic ray fluctuations, based on analysis of cosmogenic isotopes ^{10}Be and ^{14}C in ice cores from the