



Technische
Universität
Braunschweig

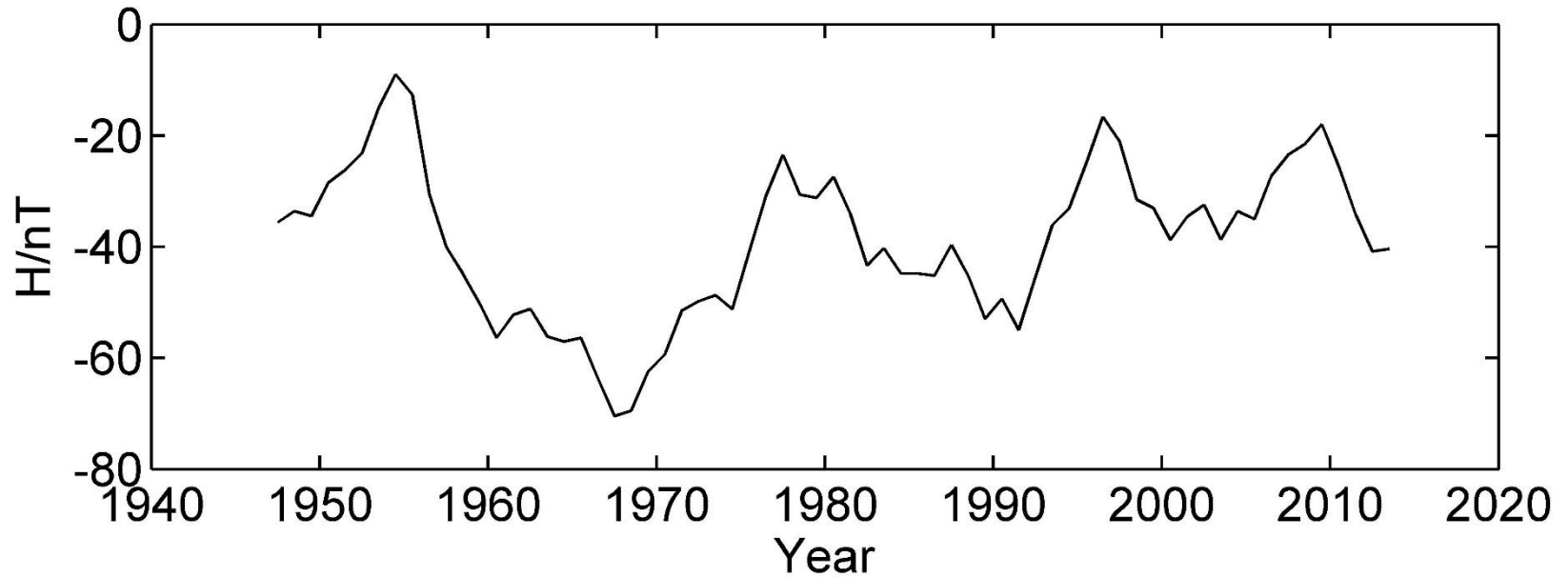


Dennis Frühauff,
Institute of Geophysics and Extraterrestrial Physics
Technische Universität Braunschweig, Germany

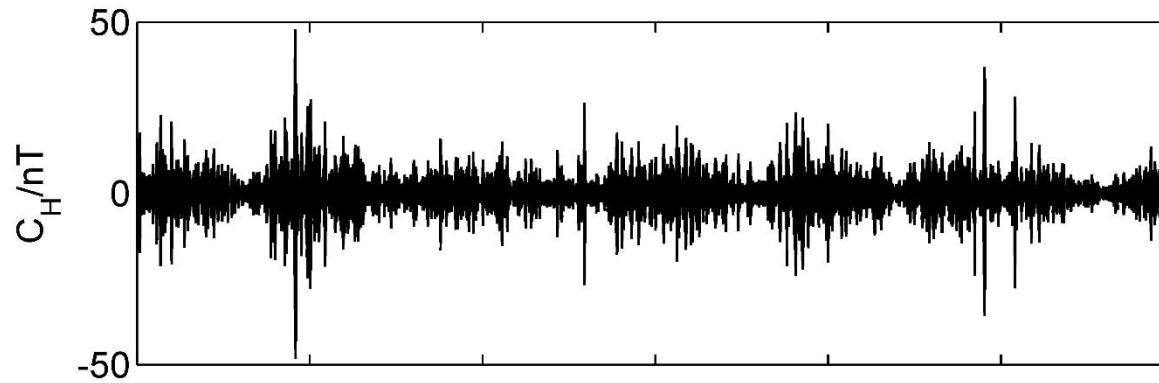
Extracting Long-Term Variations using Empirical Mode Decomposition

Revealing The Separation Problem

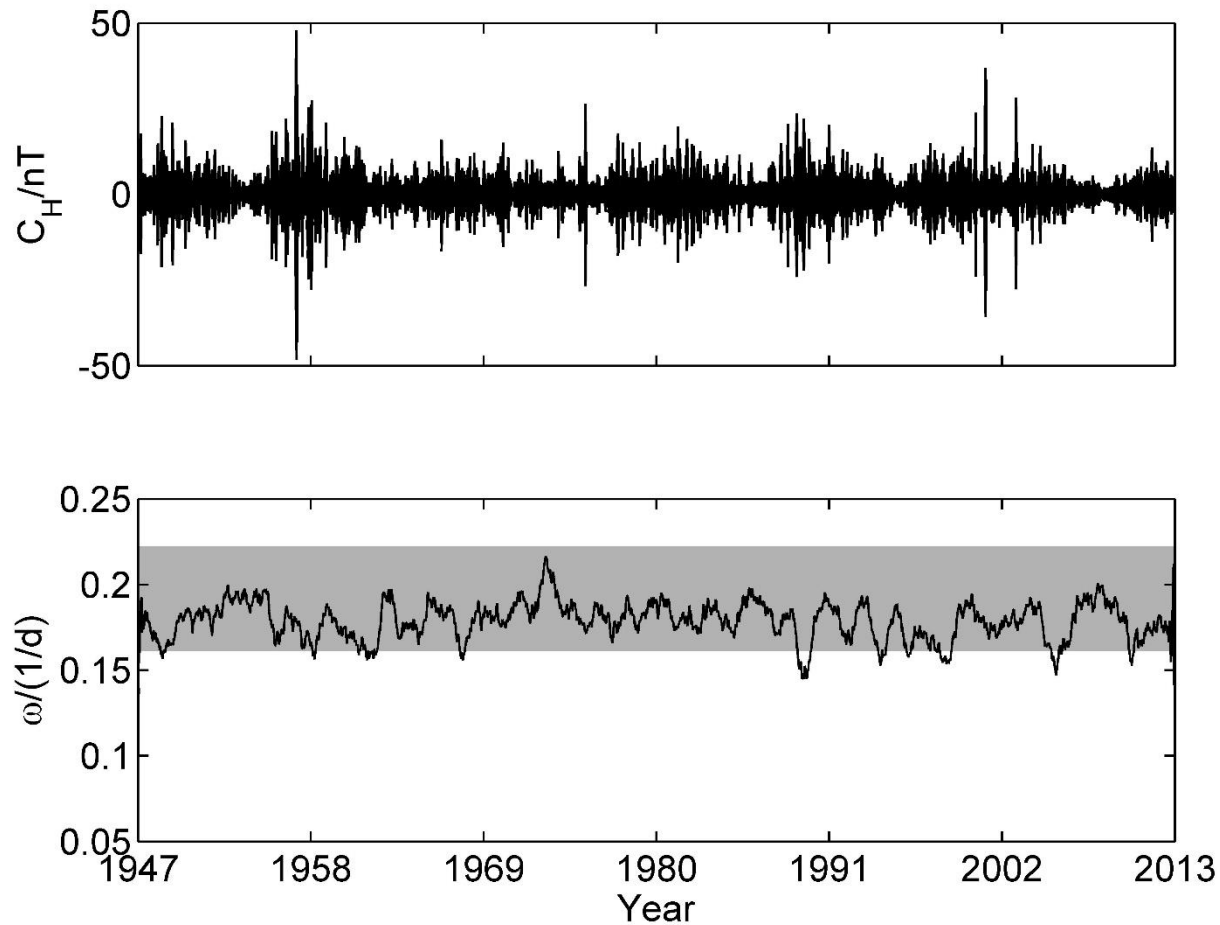
H-Component of Magnetic field Data in Niemegek, Germany



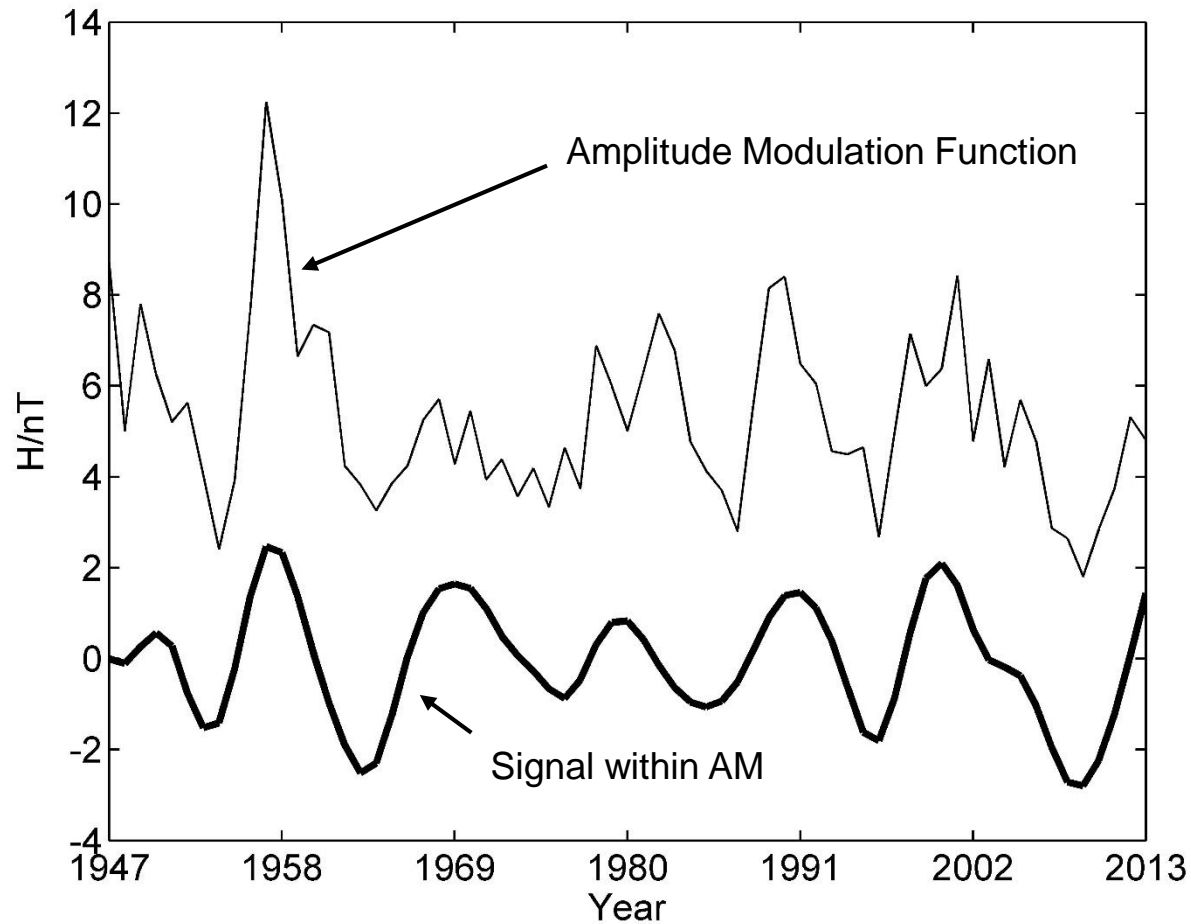
5-Day Planetary Wave Mode



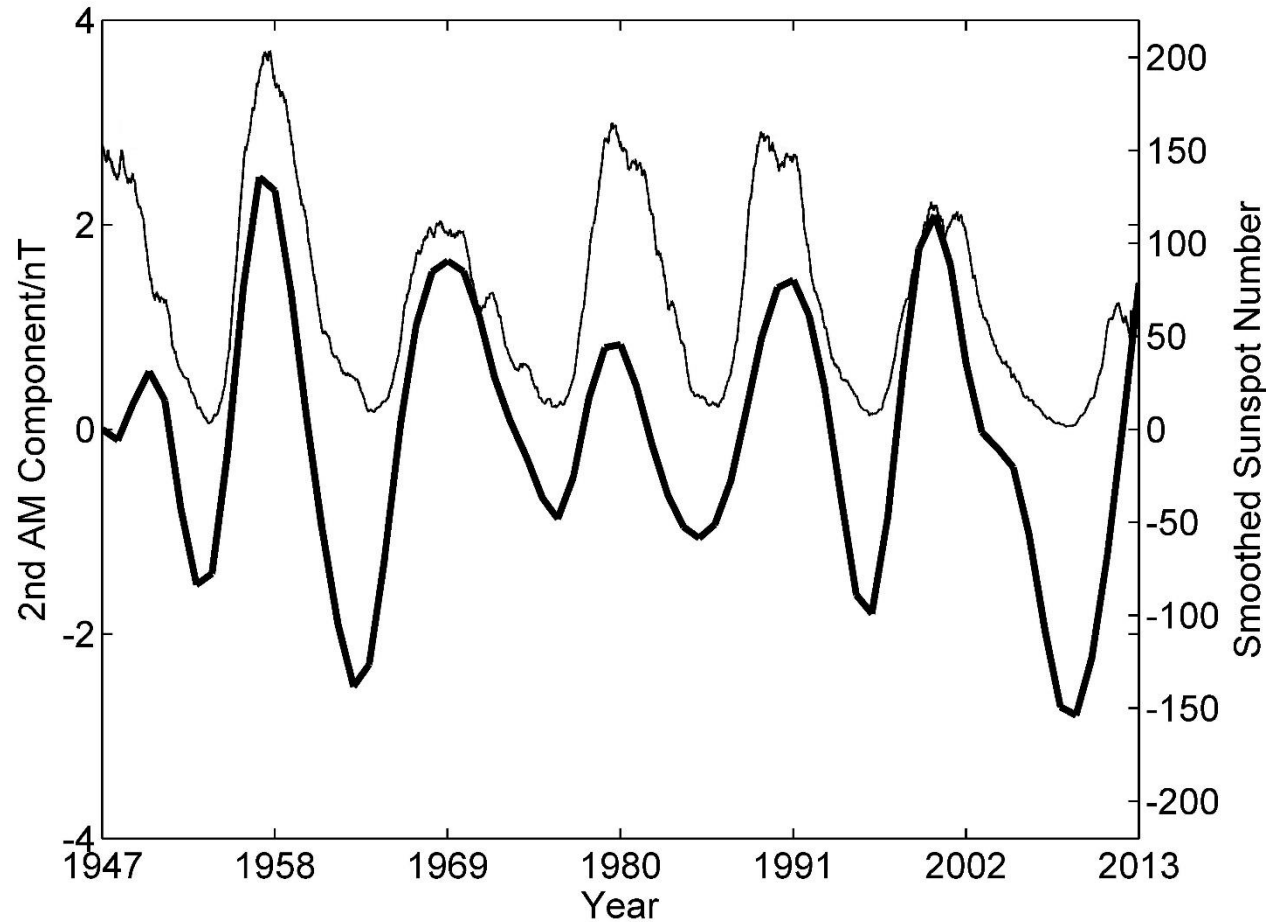
5-Day Planetary Wave Mode and Instantaneous Frequency



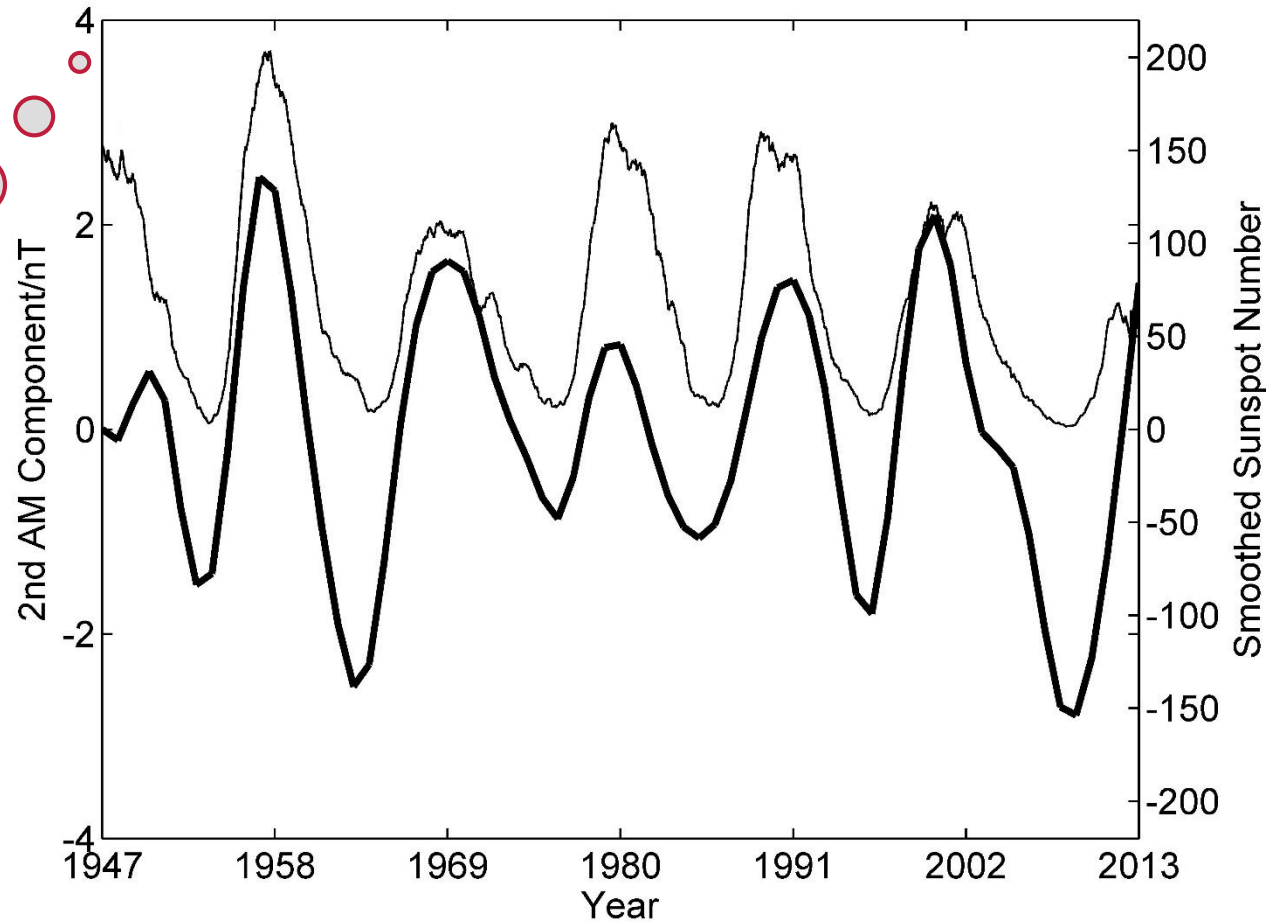
Instantaneous Amplitude and EMD-Extracted Component



EMD-Extracted Component and Wolf Number

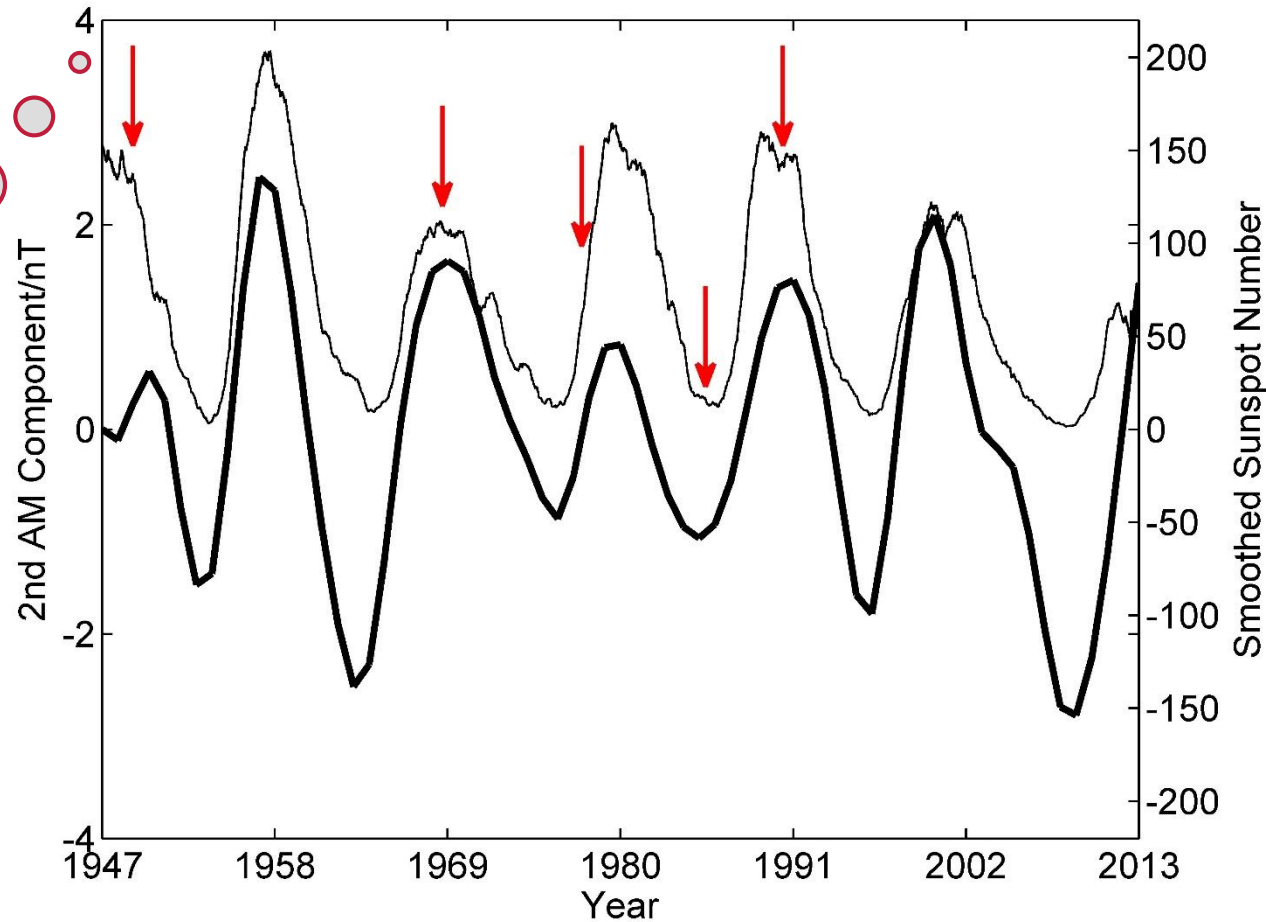


EMD-Extracted Component and Wolf Number



This is external!

EMD-Extracted Component, Wolf Number and Jerk Events



Reconstructed Near-Earth IMF, EMD Trend and Jerk Events

Data: See Lockwood et al., 2014

