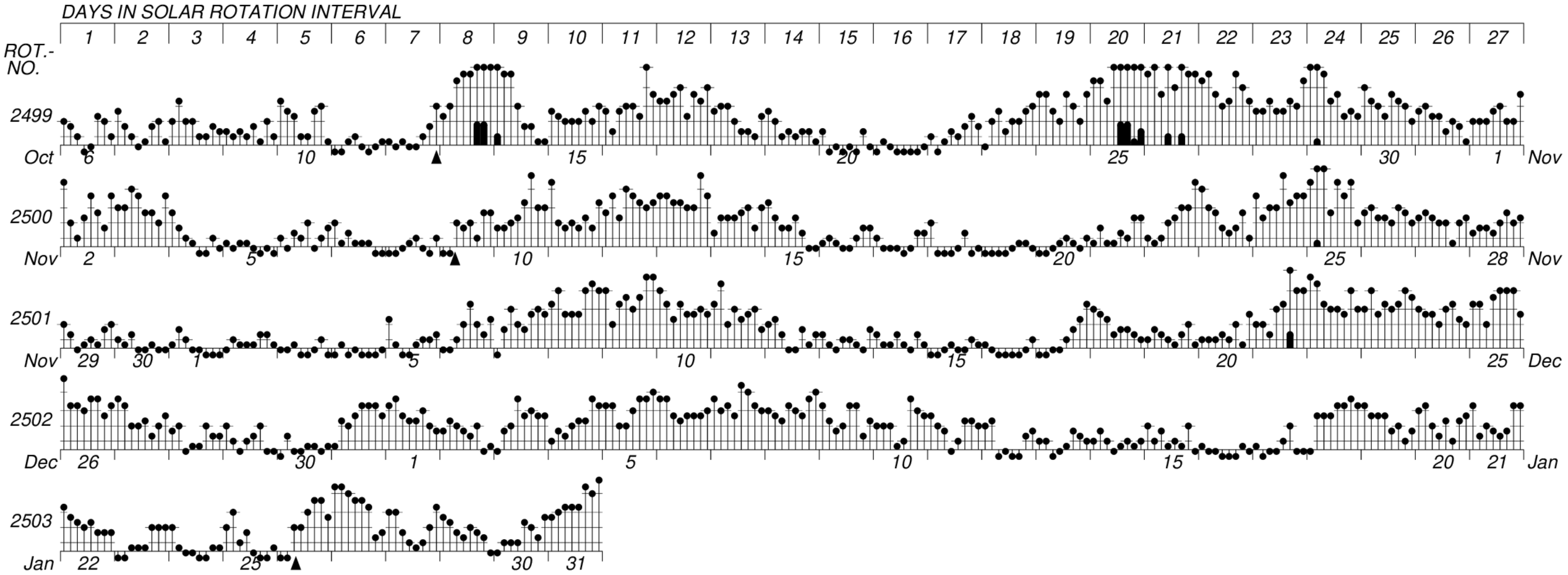


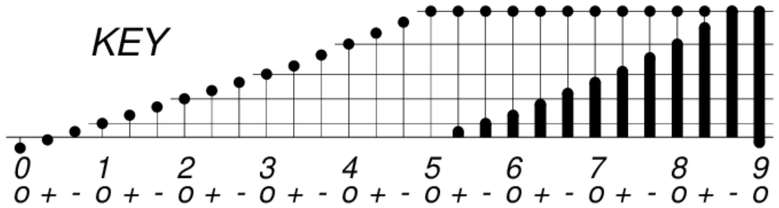


▲ = sudden commencement

GFZ German Research Centre for Geosciences

# PLANETARY MAGNETIC THREE-HOUR-RANGE INDICES

## Kp till 2017 Jan 31