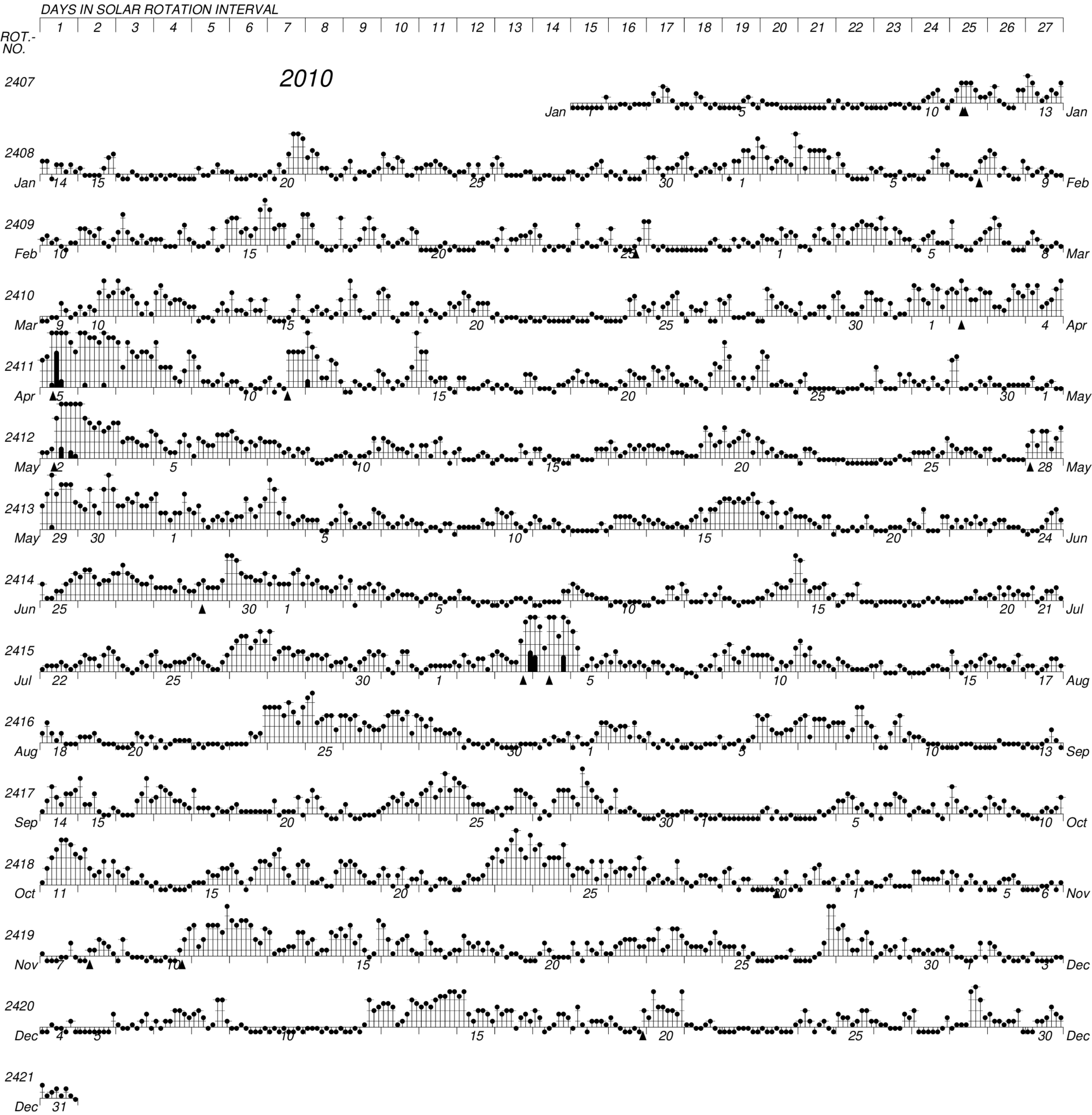
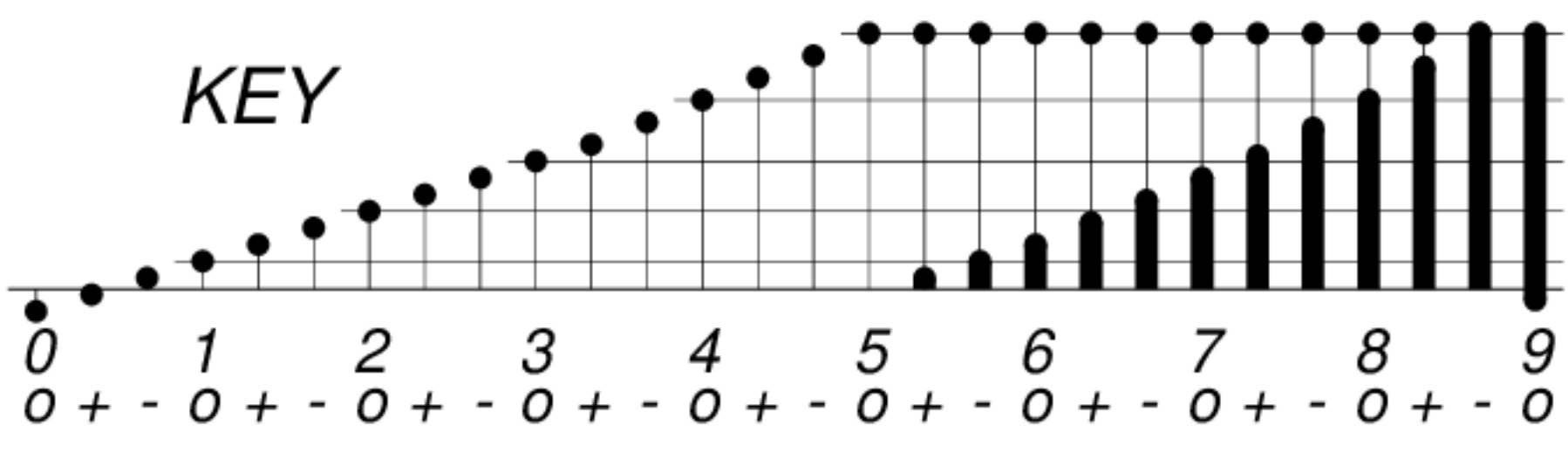




KEY



▲ = sudden commencement

GFZ Helmholtz Centre for Geosciences
PLANETARY MAGNETIC
THREE-HOUR-RANGE INDICES
Kp 2010