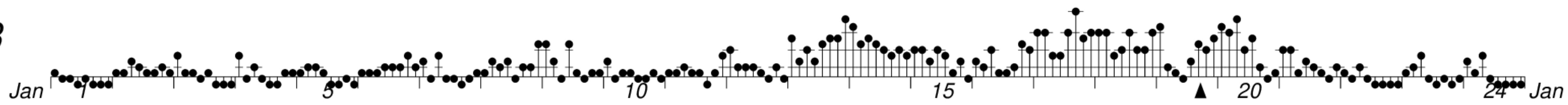


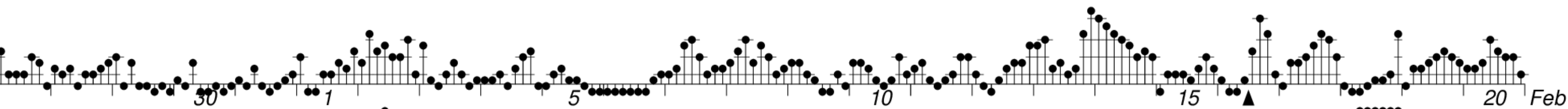
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2448

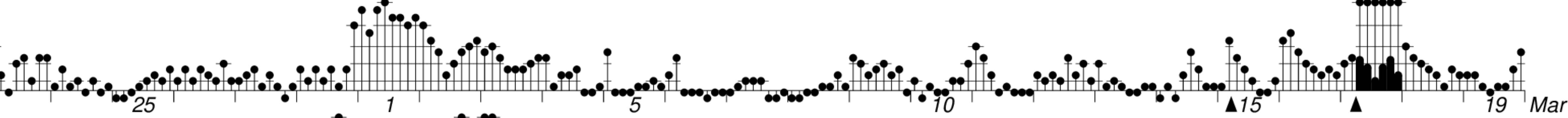
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2449



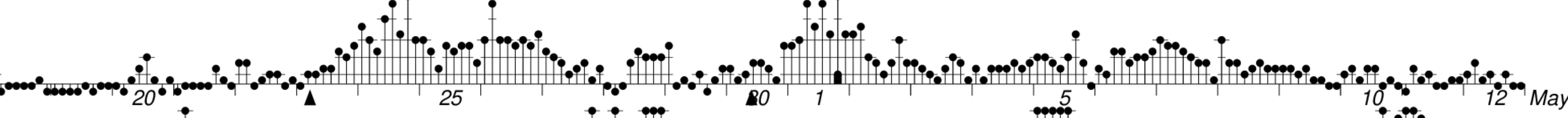
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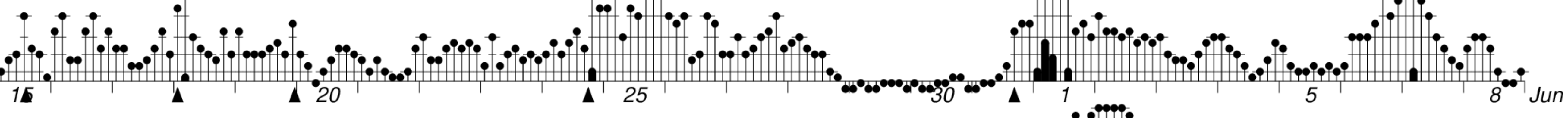
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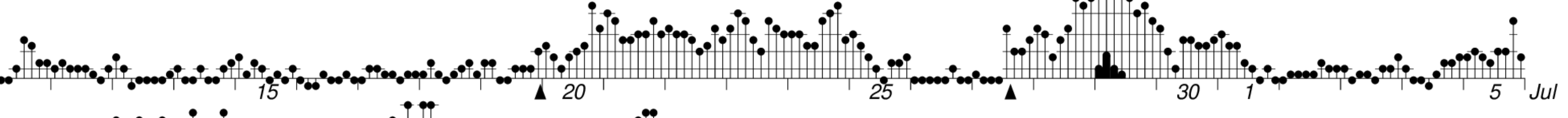
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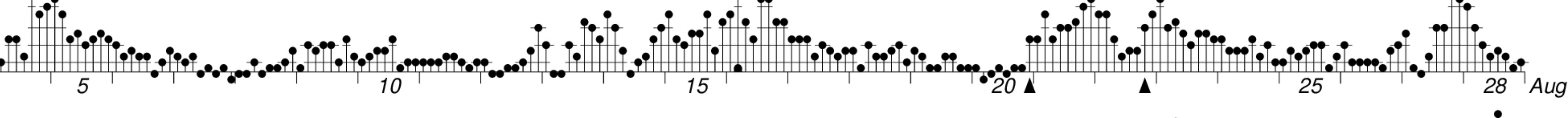
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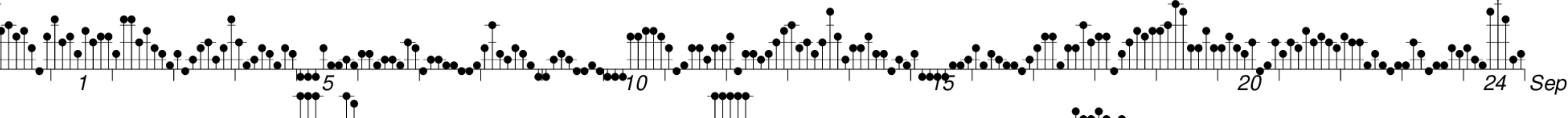
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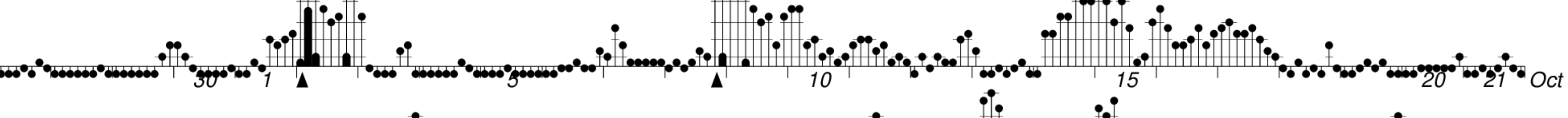
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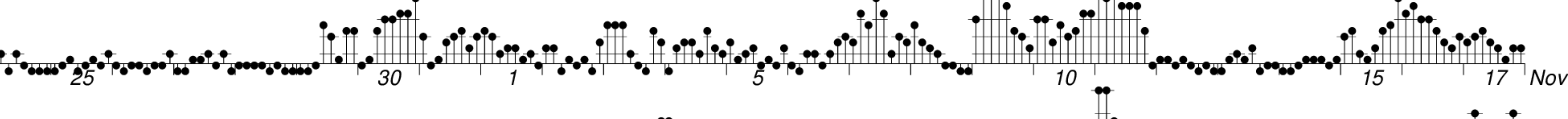
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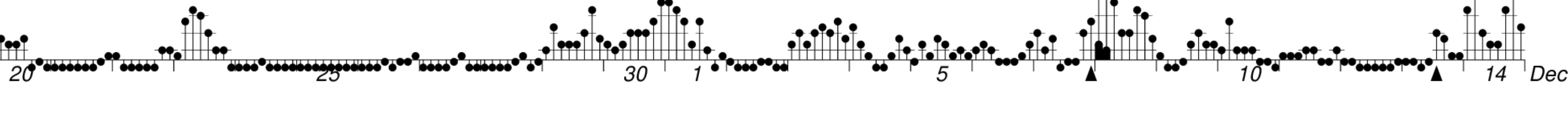
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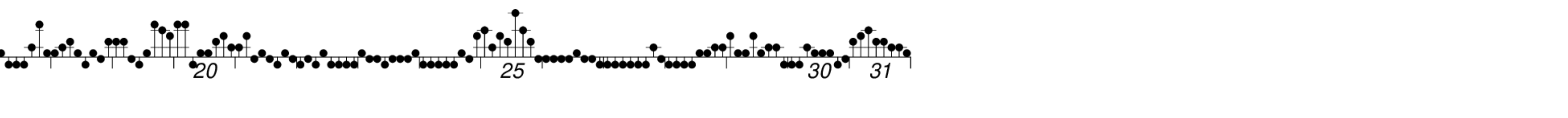
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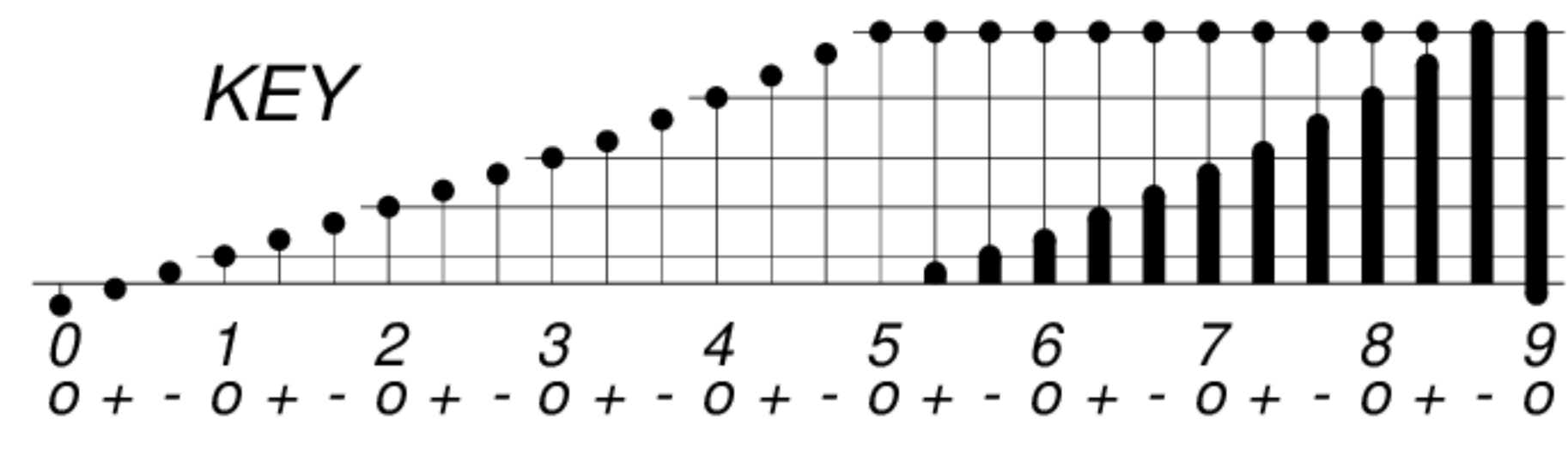
2460



2461



KEY



▲ = sudden commencement

GFZ German Research Centre for Geosciences
**PLANETARY MAGNETIC
 THREE-HOUR-RANGE INDICES**
Kp 2013