

International Association of Geomagnetism and Aeronomy  
(International Service of Geomagnetic Indices)

**Nowcast data for October 2024<sup>1</sup>**

**Geomagnetic Planetary Indices**

| Day | Kp three-hourly    |                    |                    |                    |                    |                    |                    |                    | daily |     |      |
|-----|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|-----|------|
|     | 1                  | 2                  | 3                  | 4                  | 5                  | 6                  | 7                  | 8                  | Sum   | Ap  | Cp   |
| 1   | 2-                 | 2+                 | 1+                 | 1-                 | 1o                 | 2-                 | 1+                 | 1o                 | 11o   | 5   | 0.2  |
| 2   | 2+                 | 2-                 | 2-                 | 2-                 | 2-                 | 1-                 | 1+                 | 1o                 | 12o   | 6   | 0.3  |
| 3   | 1o                 | 1+                 | 2-                 | 2-                 | 3o                 | 1o                 | 2o                 | 2+                 | 14o   | 7   | 0.4  |
| 4   | 2+                 | 2-                 | 2-                 | 1+                 | 2-                 | 2o                 | 2+                 | 3+                 | 16+   | 8   | 0.4  |
| 5   | 3-                 | 1-                 | 2-                 | 1o                 | 2-                 | 1o                 | 2-                 | 1+                 | 12-   | 6   | 0.3  |
| 6   | 1+                 | 0o                 | 2+                 | 1+                 | 3o                 | 3+                 | 3+                 | 5-                 | 19+   | 14  | 0.8  |
| 7   | 6-                 | 5-                 | 3+                 | 5o                 | 6-                 | 5-                 | 6+                 | 5+                 | 41-   | 54  | 1.6  |
| 8   | 7-                 | 7o                 | 6o                 | 4+                 | 3+                 | 4-                 | 4-                 | 4+                 | 39o   | 56  | 1.6  |
| 9   | 4o                 | 4+                 | 4o                 | 3o                 | 3+                 | 2+                 | 2-                 | 2+                 | 25o   | 18  | 1.0  |
| 10  | 2-                 | 3-                 | 1+                 | 2+                 | 4o                 | 8-                 | 8+                 | 9-                 | 37-   | 97  | 1.9  |
| 11  | 8+                 | 8-                 | 8-                 | 8-                 | 7-                 | 4o                 | 3+                 | 4-                 | 49o   | 119 | 1.9  |
| 12  | 3+                 | 2-                 | 2+                 | 5o                 | 4o                 | 3o                 | 3+                 | 3-                 | 25+   | 19  | 1.0  |
| 13  | 1-                 | 0o                 | 0+                 | 1+                 | 2-                 | 1-                 | 2-                 | 1o                 | 7+    | 4   | 0.1  |
| 14  | 0+                 | 1-                 | 1+                 | 1-                 | 1-                 | 1-                 | 2+                 | 3+                 | 10o   | 6   | 0.3  |
| 15  | 3-                 | 2+                 | 3o                 | 3-                 | 3o                 | 3o                 | 2o                 | 2+                 | 21o   | 12  | 0.7  |
| 16  | 2o                 | 3-                 | 3o                 | 3o                 | 3o                 | 3o                 | 3o                 | 3o                 | 23-   | 14  | 0.8  |
| 17  | 3o                 | 3o                 | 2o                 | 1-                 | 0+                 | 1o                 | 2o                 | 2o                 | 14o   | 8   | 0.4  |
| 18  | 3+                 | 2+                 | 0+                 | 1o                 | 3-                 | 3o                 | 3-                 | 4o                 | 19+   | 12  | 0.7  |
| 19  | 5o                 | 4+                 | 4o                 | 3+                 | 3+                 | 2+                 | 4o                 | 4-                 | 30o   | 25  | 1.2  |
| 20  | 3o                 | 2+                 | 2-                 | 0+                 | 1-                 | 0+                 | 1-                 | 2-                 | 11-   | 6   | 0.3  |
| 21  | 1o                 | 0+                 | 1+                 | 1+                 | 0+                 | 1+                 | 2-                 | 2+                 | 10-   | 5   | 0.2  |
| 22  | 2-                 | 2o                 | 2o                 | 2-                 | 2o                 | 2+                 | 1+                 | 2-                 | 15-   | 7   | 0.3  |
| 23  | 2o                 | 3-                 | 2-                 | 3o                 | 3-                 | 1-                 | 2o                 | 2-                 | 16+   | 8   | 0.5  |
| 24  | 3-                 | 4+                 | 3+                 | 2o                 | 1-                 | 2-                 | 2-                 | 2o                 | 18+   | 11  | 0.7  |
| 25  | 1+                 | 0+                 | 0o <sup>(12)</sup> | 0o <sup>(12)</sup> | 0o <sup>(12)</sup> | 0o <sup>(12)</sup> | 0+ <sup>(12)</sup> | 1- <sup>(12)</sup> | 3-    | 2   | 0.0  |
| 26  | 1+                 | 0+                 | 1-                 | 1o                 | 3-                 | 3o                 | 4-                 | 4-                 | 16+   | 11  | 0.6  |
| 27  | 3o <sup>(12)</sup> | 2- <sup>(12)</sup> | 1+ <sup>(12)</sup> | 2+ <sup>(12)</sup> | 2o <sup>(12)</sup> | 3- <sup>(12)</sup> | 3- <sup>(12)</sup> | 2+ <sup>(12)</sup> | 18o   | 9   | 0.5  |
| 28  | 3o                 | 5-                 | 4o                 | 2+                 | 3o                 | 3-                 | 2o                 | 2+                 | 24o   | 17  | 0.9  |
| 29  | 3o                 | 2-                 | 2+                 | 2-                 | 2o                 | 3o                 | 4o                 | 2o                 | 20-   | 12  | 0.7  |
| 30  | 4o                 | 3o                 | 3+                 | 4-                 | 3o                 | 2o                 | 2-                 | 1+                 | 22o   | 14  | 0.8  |
| 31  | 1o                 | 1-                 | 1+                 | 1+                 | 1+                 | 2o                 | 3o                 | 4- <sup>(12)</sup> | 14+   | 8   | 0.4  |
|     |                    |                    |                    |                    |                    |                    |                    |                    | Mean  | 19  | 0.69 |

Note: If not the complete data from all 13 observatories could be used in the calculation, the number of already included observatories is given in parentheses.

Editor: GFZ German Research Centre for Geosciences  
Adolf Schmidt Observatory for Geomagnetism  
<https://www.gfz-potsdam.de/en/kp-index/>

<sup>1</sup>Last update: 23:57:05 UTC, November 1, 2024.