

Activity and observability of meteor showers throughout the year

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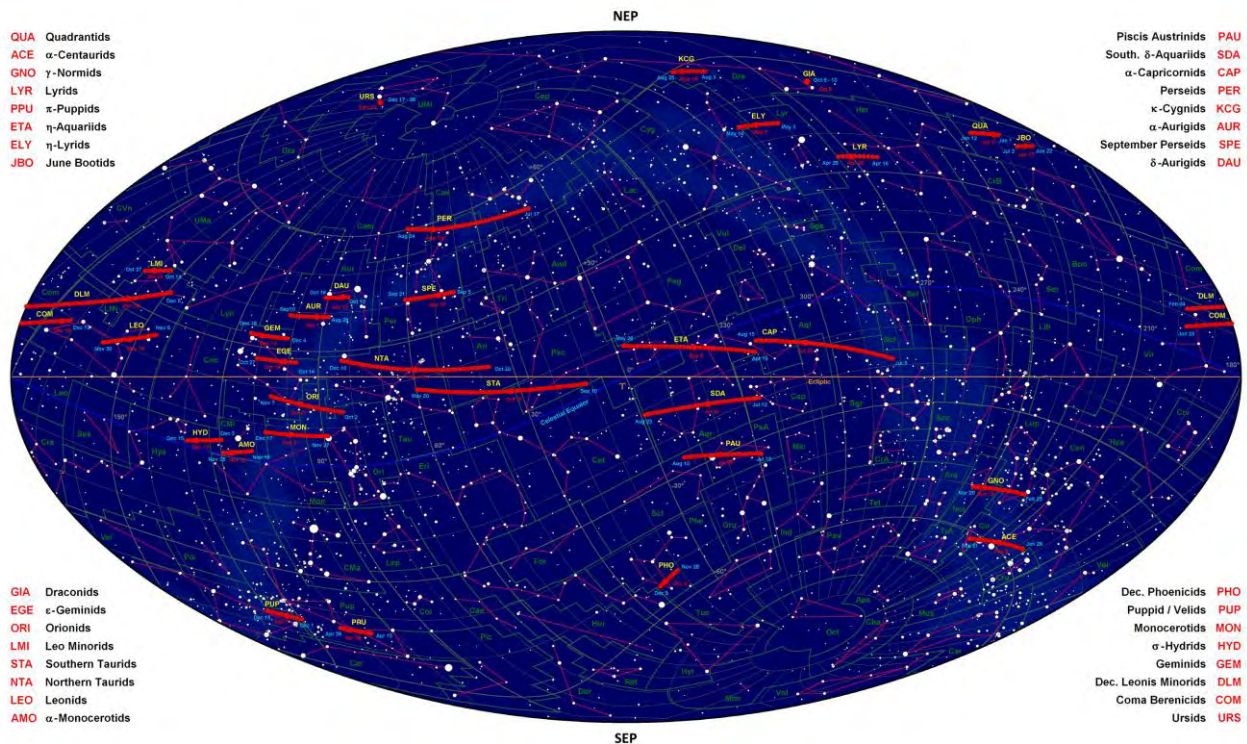
Diagrams on the poster presents the activity periods of meteor showers as well as the rise and setting times of meteor shower's radiant. Plotted are sunrises, sunsets and the period of twilight, too. It was constructed according to data from the IMO Meteor Shower Working List. More active showers are displayed in red or green color, respectively. The diagrams are calculated for geographic latitudes of 40° N, 0° and 40° S. The time scale is given as local time at relevant zonal meridian and supplemented by local daylight saving time, too. The diagrams contain round values of solar longitude J2000.

In the star chart in lower part of the poster are the radiant positions of IMO meteor showers plotted. The positions at maximum are presented by larger circles. Dates of activity and date of maximum are given in the chart, as well.

References

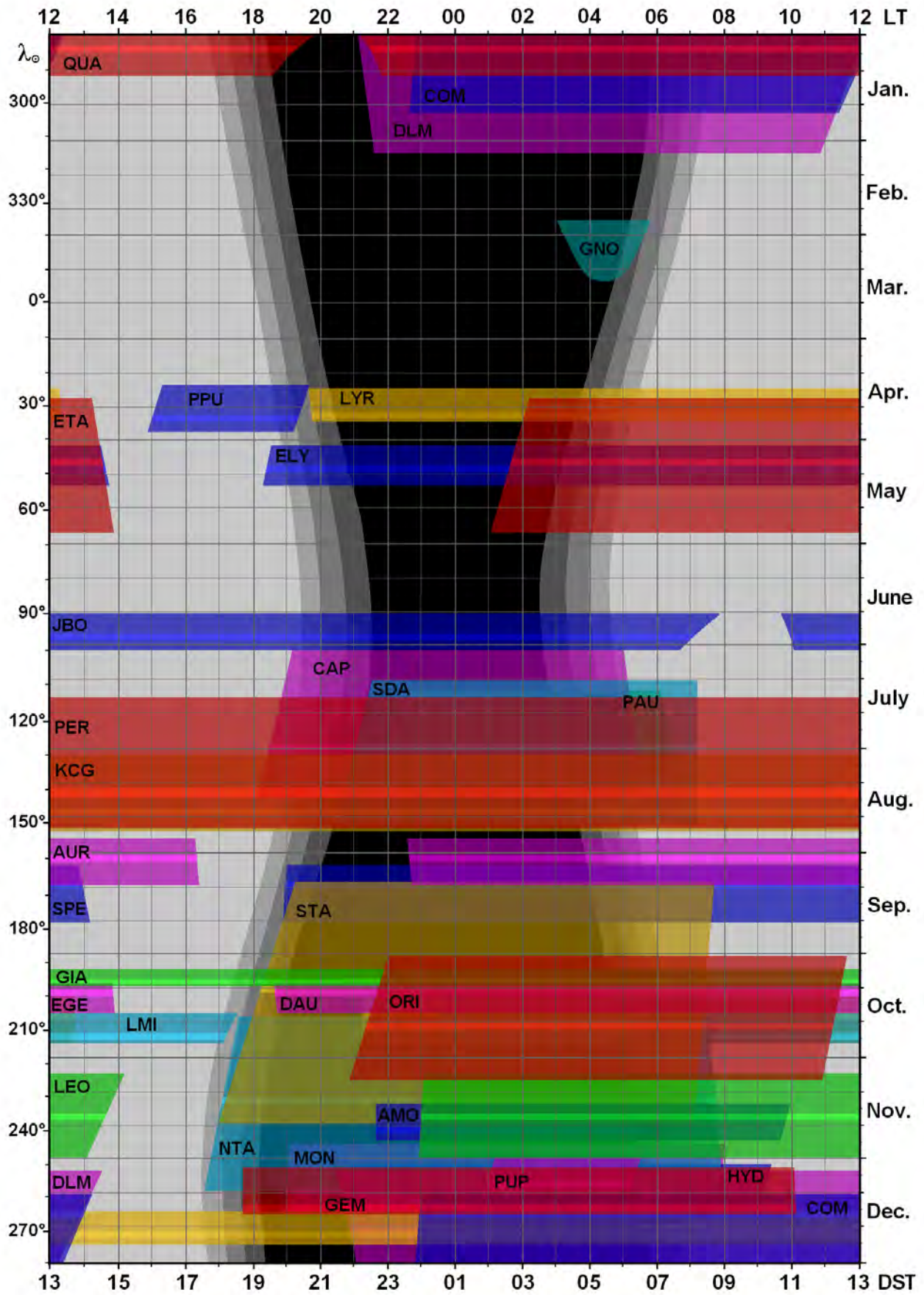
McBeath A. (2013), *2014 Meteor Shower Calendar*, IMO.

Review of Radiants and Daily Drifts of IMO Meteor Showers



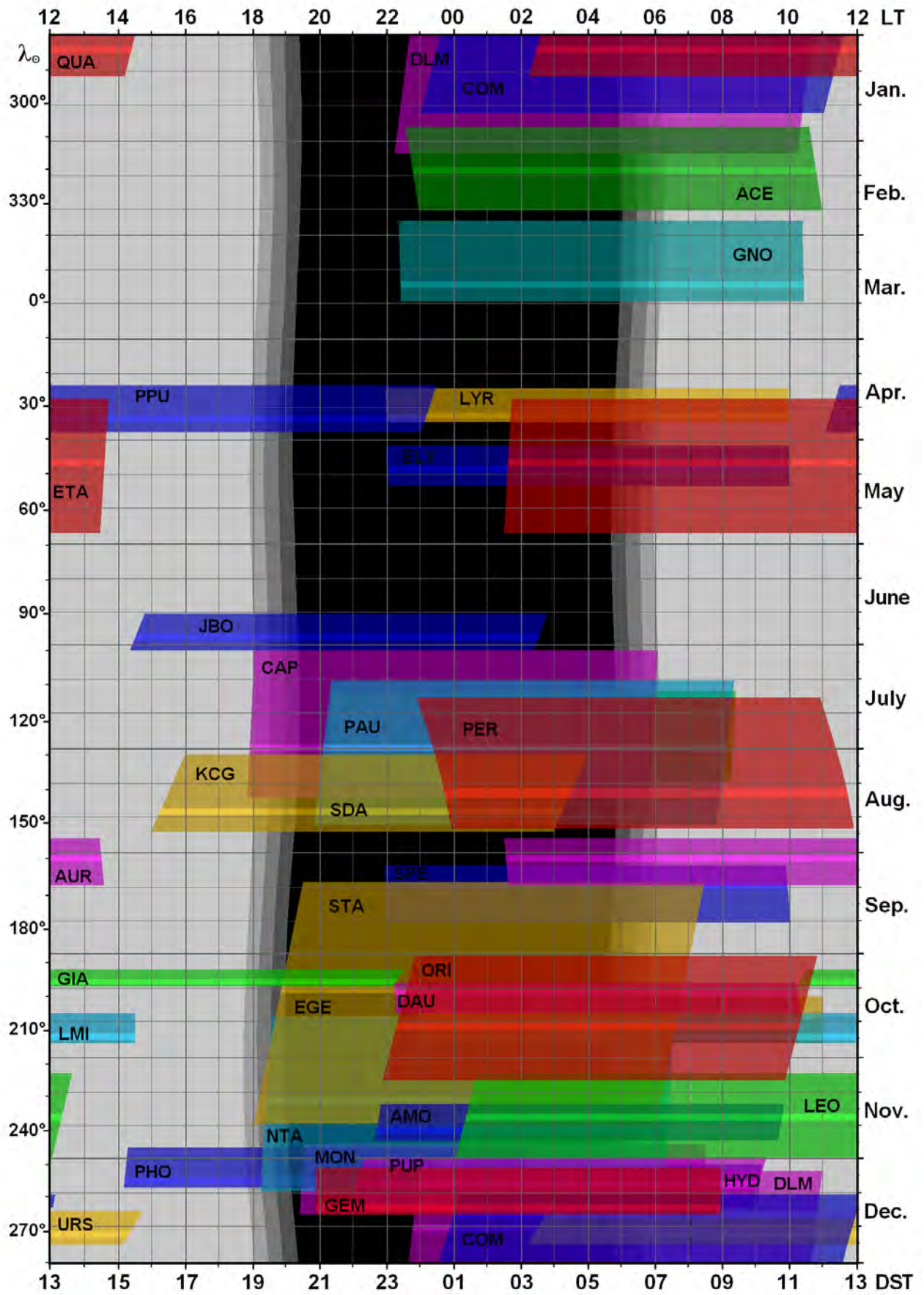
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Figure 1 – Radiant positions and drift for all IMO meteor showers.



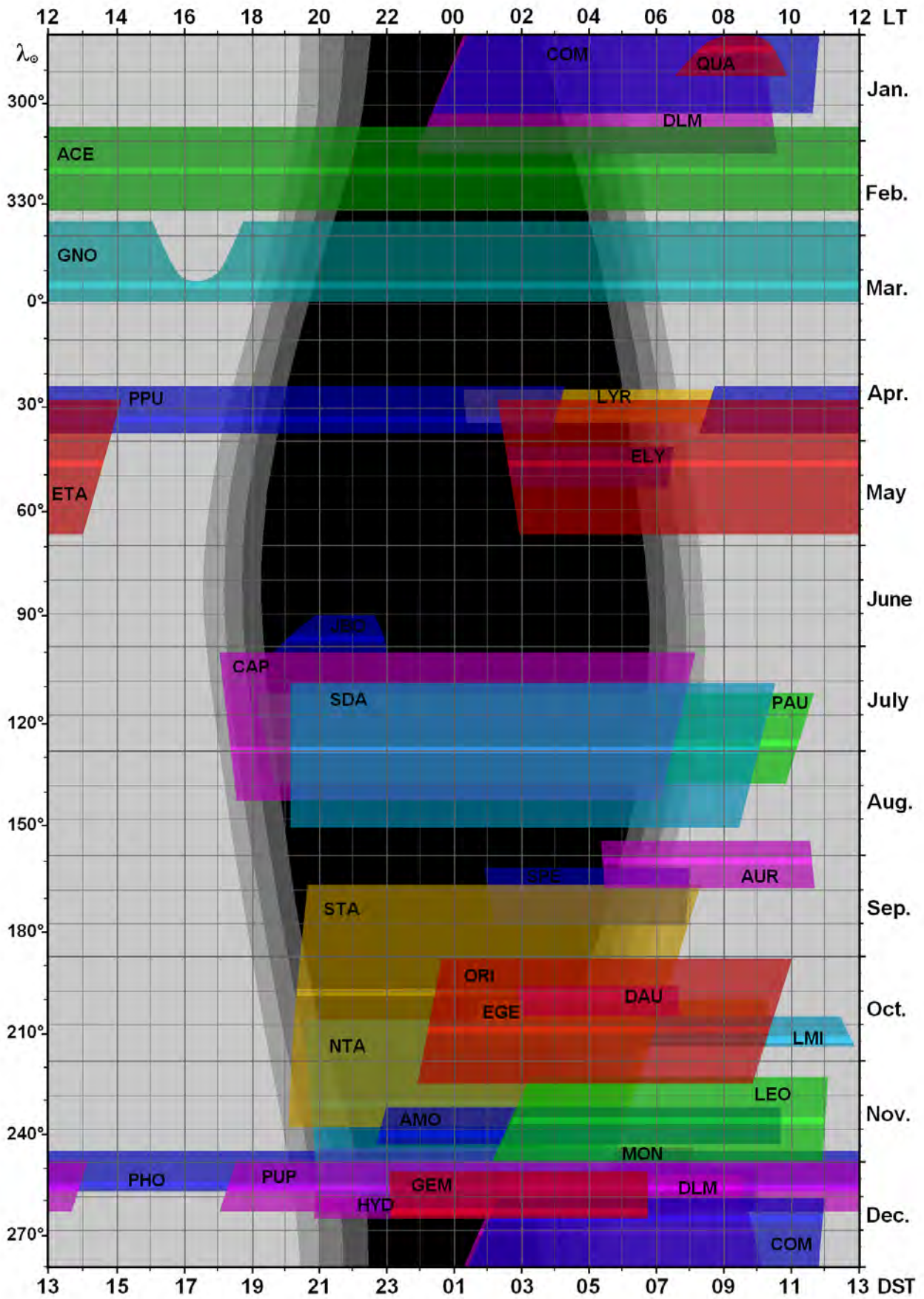
latitude
 $\varphi = 40^{\circ} \text{ N}$

Figure 2 – Meteor shower activity and visibility diagrams for latitude 40°N.



latitude
 $\varphi = 0^\circ$

Figure 3 – Meteor shower activity and visibility diagrams for latitude 0° (equator).



latitude
 $\varphi = 40^\circ \text{S}$

Figure 4 – Meteor shower activity and visibility diagrams for latitude 40°S.