

## Commission F1 Working Group on Meteor Shower Nomenclature

Annual report for 2019.

P. Jenniskens

The Commission F1 Working Group on Meteor Shower Nomenclature has the task to assemble a list of meteor showers that can receive official names during the next IAU General Assembly and be added to the List of Established Showers. At the 2018 IAU General Assembly, the following members were appointed: P. Jenniskens (chair), D. Janches (president of Commission F1), T. Jopek (director Meteor Data Center), and group members: Maria Hajdukova, Josep Trigo-Rodriguez, Gulchehra Kokhirova, Robert Weryk, Althea Moorhead and Quanzhi Ye. Working group associates are Massashiro Koseki and Regina Rudawska. During the June 17-21 Meteoroids 2019 meeting in Bratislava, Slovakia, the Working Group adopted new procedures to maintain the IAU Working List of Meteor Showers and to submit new meteor shower detections to the Meteor Data Center that better define the shower's radiant extent, motion and shower duration. In late 2019, a report with these procedures was published as a peer-reviewed short communication in *Planetary & Space Science*. Since that time, 172 showers were removed from the Working List. The pro-tempore list was canceled. At the moment, the list contains 112 established showers, 685 working showers and 24 names for shower complexes. The list is constantly being updated with new references to the literature. No new showers were submitted in this period, but the scientific work on meteor showers is rapidly increasing.

### References

Jenniskens P., Jopek T. J., Janches D., Hajdukova M., Kokhirova G. I., Rudawska R., 2020. On removing showers from the IAU Working List of Meteor Showers. Short Communication. *Planetary and Space Science* 182, j.pss.2019.104821.