

# Meteor Data Exchange Standard

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# The IAU Meteor Data Center (MDC)

- Meteor data are collected, documented and made available at the IAU MDC (<https://www.ta3.sk/IAUC22DB/MDC2007/>).
- The data available there come from the earliest photographic, radar and video surveys, up to the more recent ones.
- A small number of people, operating under the auspices of IAU Commission F1 (formerly Commission 22), maintains, documents and improves the MDC.

# The IAU Minor Planet Center (MPC)

- The MPC is the data center doing the analogous, much more labour intensive job for asteroid and comets data since many decades (<https://minorplanetcenter.net/iau/mpc.html>).
- The data flow at the MPC is huge, and growing daily; a similar situation, although on a smaller scale, is foreseeable for meteor and fireball data in the near future.
- Under the auspices of former IAU Commission 20, now Commission X1, a data exchange standard, called ADES (Astrometry Data Exchange Standard) has been established, and is being adopted by all data producers in asteroid observations.

## ADES and MDES

- ADES is available at <https://github.com/IAU-ADES>.
- The establishment of a similar standard in the meteor community seems a desirable goal to pursue.
- It is not a small task, and needs to be carried out in collaboration with the current maintainers of the IAU MDC and with the other meteor and fireball observing teams operating in the international arena.
- On the other hand, now is a good time to establish such a standard, and PRISMA could take the initiative within the meteor community.