

Meteor M20170723_221240_OHP

Note of Martin Dubs:

First meteor spectrum at OHP 2017

Hi everybody,

when everybody was packing up last night, the automatic meteor camera picked up the following spectrum of a fast, bright meteor through the clouds. A correct magnitude estimation was not possible because no stars were visible, but the apparent magnitude was about -4m, without clouds probably about -8m and very short (0.2 sec). Enough to process the spectra according to the log file:

- *extraction of single images with VirtualDub*
- *preprocessing with IRIS (thanks Christian for this still very valuable software)*
- *image transformation to orthographic projection with ImageTools (P. Schlatter)*
- *further processing with IRIS, extraction of spectrum*
- *linear calibration with SpectroTools*
- *plotting with ISIS*

Visible in the spectrum are lines of

- *Na 589 nm*
- *Mg 517 nm*
- *Fe around 420 to 450 and 520 to 550 nm*
- *plus lines of N₂ and O₂*

Die Fachgruppe Meteorastronomie (FMA) gratuliert herzlich zu diesem ausgeprägten Spektrum und wünscht weiterhin viel Erfolg!