

The large horizontal telescope with multichannel spectrograph at the Ondrejov Observatory is equipped with a Jensch-type coelostat with the first flat mirror of diameter 50 cm and the second one of 60 cm. The main objective is mirror 50mm/35000 mm. Reflection from the mirror is used for feeding the slit-jaw imaging system equipped with a refractor 33 mm/840 mm and a DayStar narrow band filter of FWHM 0.5 Angstrom tuned by temperature and tilting to the H-alpha line centre during the observations. The field-of-view of the slit-jaw system is 765" times 612". The detectors in the spectrograph are VDS Vosskuehler-1300LN cameras (1280 times~1024~pixels); the Y-dimension (1024 pixels) is binned to 512 pixels.

Data are taken simultaneously in H-alpha slit-jaw and five cameras of spectra (H-alpha, H-beta, D 3 HeI, Ca H and Ca 8542 A). Spectra and slit-jaw filtergrams are processed off-line with flat-fielding and dark frame subtraction using a standard procedure. The windows of the spectra are so wide that they include other reference lines for calibration. More details about the HSFA-2 instrument itself and the data description and reduction can be found at <http://www.asu.cas.cz/~sos/>. The HSFA-2 telescope and spectrograph at the Ondrejov Observatory of the Astronomical Institute of the Academy of Sciences, Czech Republic, is described by Kotrc, 2009: (Central European Astrophysical Bulletin, Vol. 33, p. 327-336).

The observation of the SOL2013-05-17T08:57 was performed with a scanning regime with cadence of 1.5 s - 30 s. Total coverage was 48.6 minutes. Details are in the following table.

Event	SOL2013-05-17T08:57
GOES Class	M3.2
Target	AR 11748 (N12E22; -348", 92")
Telescope	HSFA2 (horizontal telescope)
Instrument	Multichannel spectrograph
Spectral coverage	H_alpha, H_beta, He I D3, Ca II H, Ca 8542 A
FOV; spatial sample	Slit size 5" (wide) x 280" (height)
Cadence	1.5 s – 30 s
Coverage	48.6 minutes
Event short description	two-ribbon flare with a halo CME at 09:12:10UT
Observations peculiarities	full temporal coverage
References:	
Dataset size	13.7G
Dataset detail	
Data level:	un-calibrated
How to retrieve data	
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