Swift/UVOT

(Analyzer: Andrea Cesarini)

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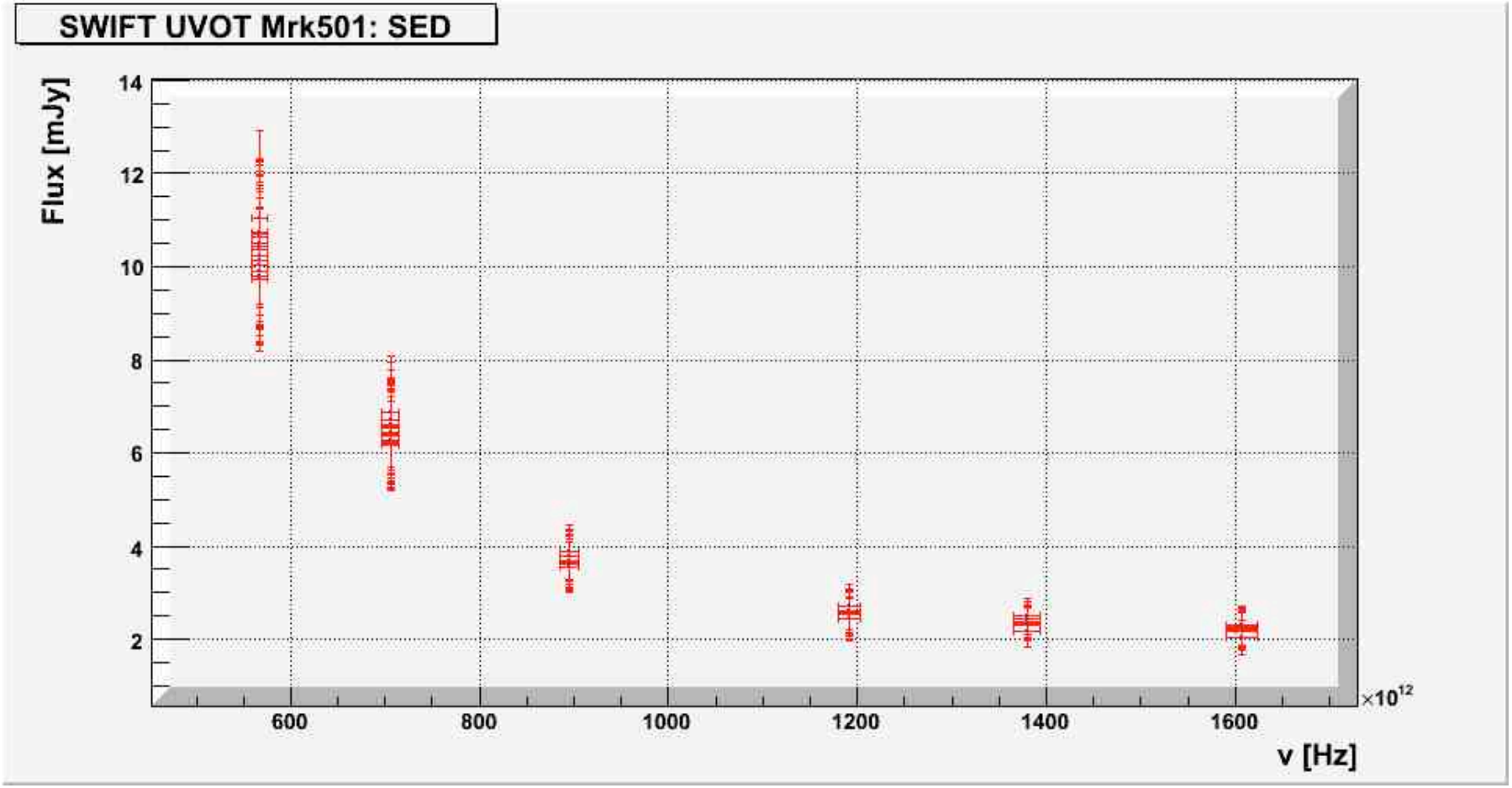
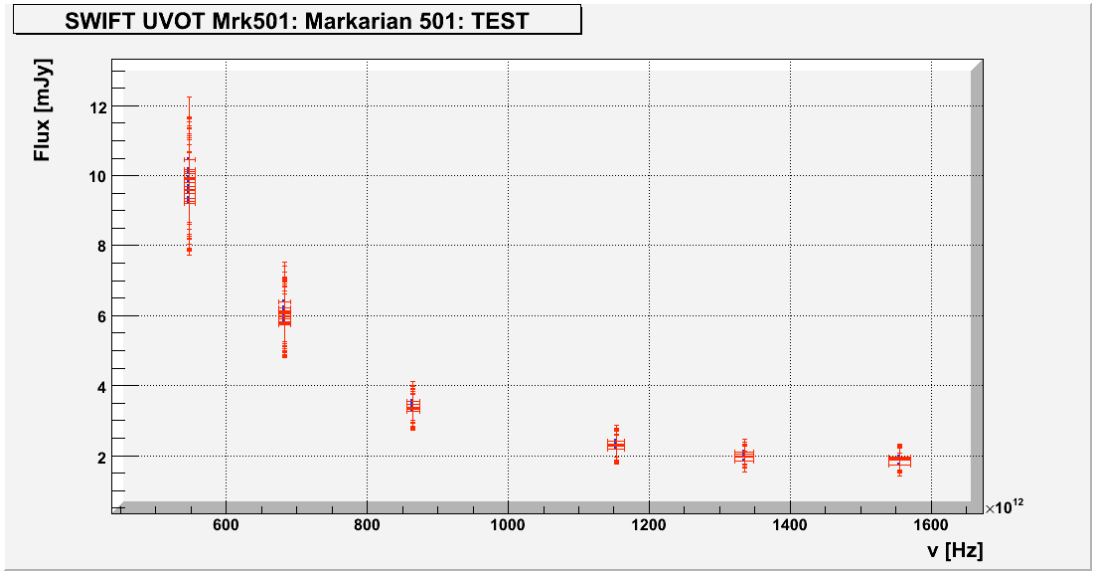
The analysis has been done over 3 Optical filters (V,B,U) and 3 UV filters (W1,M2,W2). The evaluations are comprehensive of the reddening compensation and galactic extinction for optical and UV bands (Fitzpatrick, Edward L. & Massa, Derck, 1999; Fitzpatrick, 1999, PASP, 111, 63; astro-ph/9809387; D.J.Marshall, A.C.Robin, C.Reyl, M. Schultheis & S.Picaud, 2006). Even small, it is present a small frequency correction because the redshift. There is not zodiacal light corrections. The estimated upper bound between this pipeline and the pipeline by UVOT/Swift Developing Team is <0.2 mag. The fluxes reported here are from a 5" aperture and the estimation of the brightness coming from the object has been corrected for the incoming component from the host galaxy provided by an estimation of a Sersic profile (instead a de Vaucouleurs/Sersic). We take also into the count the offset between the nucleus from the geometric center of the elliptic galaxy that is <2" and so negligible (Kidger & Diego 1999).

SED of Mrk 501 during the campaign



This SED is comprehensive of all introduced corrections

Comparing SED Evaluations



The SED to the left is not showing the unreddening/ redshift compensations but still comprehensiving of the systematics corrections. We de-computed them to compare the evaluations with those provided by Erik to the right (no systematics).

The evaluations are agreeing each other even we computed them with different reduction pipeline and brightness correction models.