

## Multi-frequency studies of the jet in the high-redshift quasar S5 0836+710

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We present a multi-frequency analysis of the jet in 0836+710 using global VLBI data in combination with RadioAstron space-VLBI observations. We take advantage of a rich data set including five frequencies to perform a detailed spectral analysis of the source, including maps of spectral index and synchrotron turnover frequency. To complement this, we performed a kinematics analysis using public multi-epoch data from long-term VLBI monitoring programs. Finally, using numerical simulations we investigate the presence of asymmetries in the jet structure observed in the 22 GHz RadioAstron image, and its possible links with jet rotation or jet viewing angle.