



A case study of two sprite events recorded over western Europe

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A low-light television camera and computer software for observations of Transient Luminous Events was installed in Gliwice (18.65 E, 50.28 N), southern Poland, during the summer of 2011. The optical observations have been supported by meteorological products used for monitoring thunderstorm activity over Europe, including EUMETSAT Meteosat-9 difference images called ‘overshooting tops’. On 11 September two sprites have been recorded over a thunderstorm approaching the Czech Republic from the west. The two events were also recorded from Sopron (16.58 E, 46.68 N), west Hungary. We use these simultaneous observations to calculate the locations of the sprites, particularly in relation to the lightning strokes that preceded them. We also investigate possible scenarios that may have led to the two events.