

## Advances of Two Site Sprite Observations

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Several red sprites were captured in Central Europe simultaneously from Sopron [16.58E, 46.68N], Hungary and from Modra Observatory [17.27E, 48.37N], Slovakia during July and August in 2007. In Sopron, a Watec 902H2 Ultimate camera was used with Computar 8mm f08 aspheric lens having 45°x34° field of view. In Modra Observatory, a Watec 120N camera was utilized with Canon 15mm fisheye lens covering the visible open sky. Videos and peak-hold images of TLEs were captured with GPS (Sopron) and internet (Modra) time stamps using triggered event detection by UFO Capture software. Advances of two site sprite observations are demonstrated through selected examples of commonly captured sprites: improvement in localization and in time resolution, revealing geometry of elements in event groups, more exact measuring of TLE parts.