

## FG Sge: Increase of IR Brightness in August 2010

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<b>Star Name:</b>	FG Sge, Hip 099527, IRAS 20097+2010
<b>Coordinates (J2000):</b>	20 11 56.06, +20 20 04.4
<b>Variability type:</b>	*; <b>Limits, System:</b> 6.8 - 12.1 (J);
<b>Period:</b>	<b>Epoch:</b> JD

### Remarks:

We report an increase of the J-band brightness of the unique supergiant FG Sge by the summer of 2010. It follows from our IR observations of the star (1986-2010) that its J-band brightness level in August, 2008 reached an absolute minimum ( $\sim 12^m$ ), and till the beginning of the summer of 2010, the star was almost inaccessible for observations at 1.25 microns. In July, 2010, the star was brighter by approximately  $1^m$  in the J band than in the summer of 2008. A month later, by the end of August, 2010, the J-band brightness of the star increased by  $1^m$  and was already  $\sim 10^m$ . At 3.5-5.5 microns, the brightness fluctuations of FG Sge in 2008-2010 had an amplitude of  $0.2^m$ . The figure shows J-filter brightness variations of FG Sge in 1986-2010. The arrow marks the beginning of J-band brightness increase of the star in 2010.

### Light Curve

