

Orion Nebula



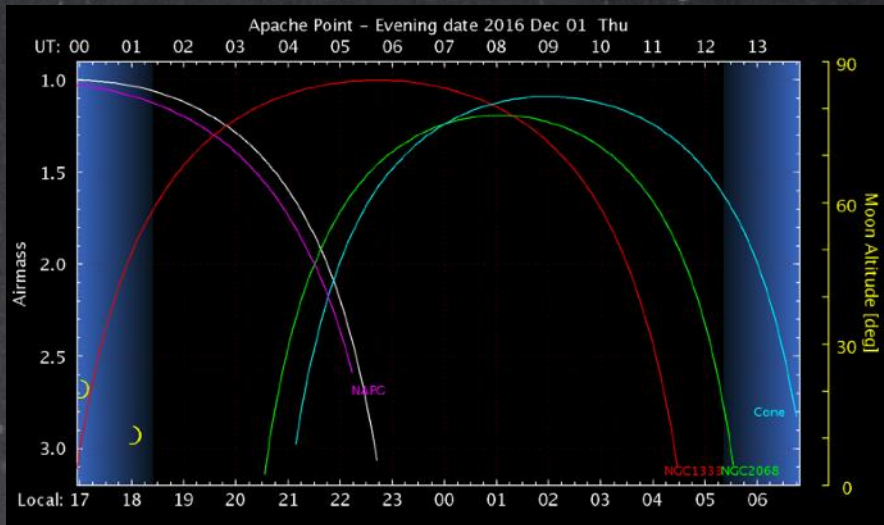
ARC SAT

Stringfellow Stellar Variable Research Group

Dr. Guy Stringfellow - Research Faculty

Presented by Cole Skeffington

Offices in the Center for Astrophysics and Space
Astronomy (CASA)



Observing tool JskyCalc



Supernova Impostors in NGC 2403

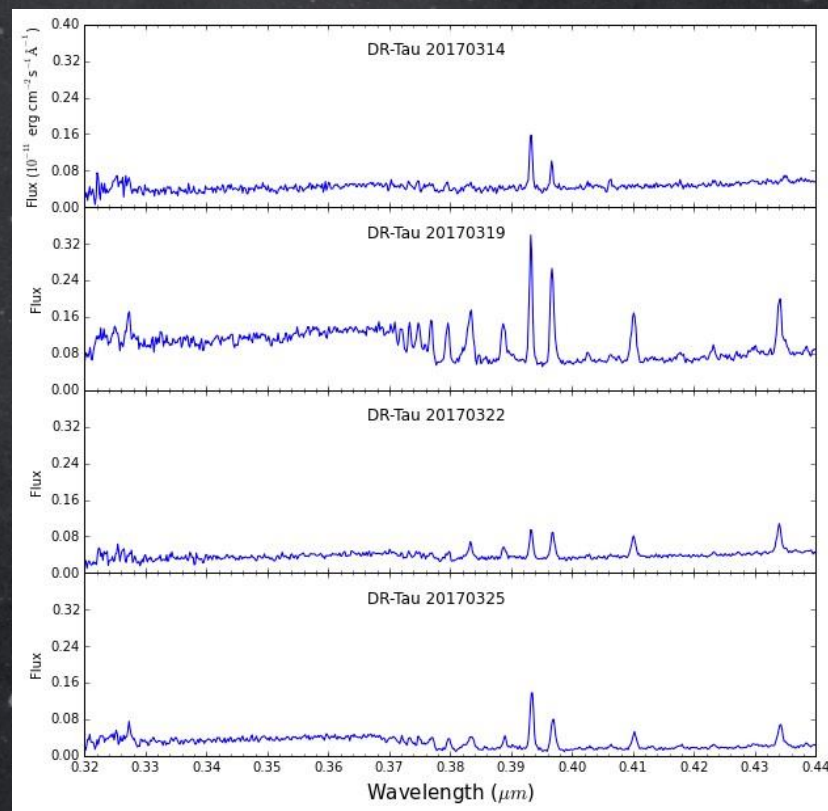
What we do:

Conduct observations using ARCSAT 0.5m remote telescope at Apache Point Observatory, NM:

- Planning and conducting observing runs
- Surveying and monitoring of transients
- Also use KPNO, IRTF, APO 3.5m, SWIFT space telescope

Data Reduction

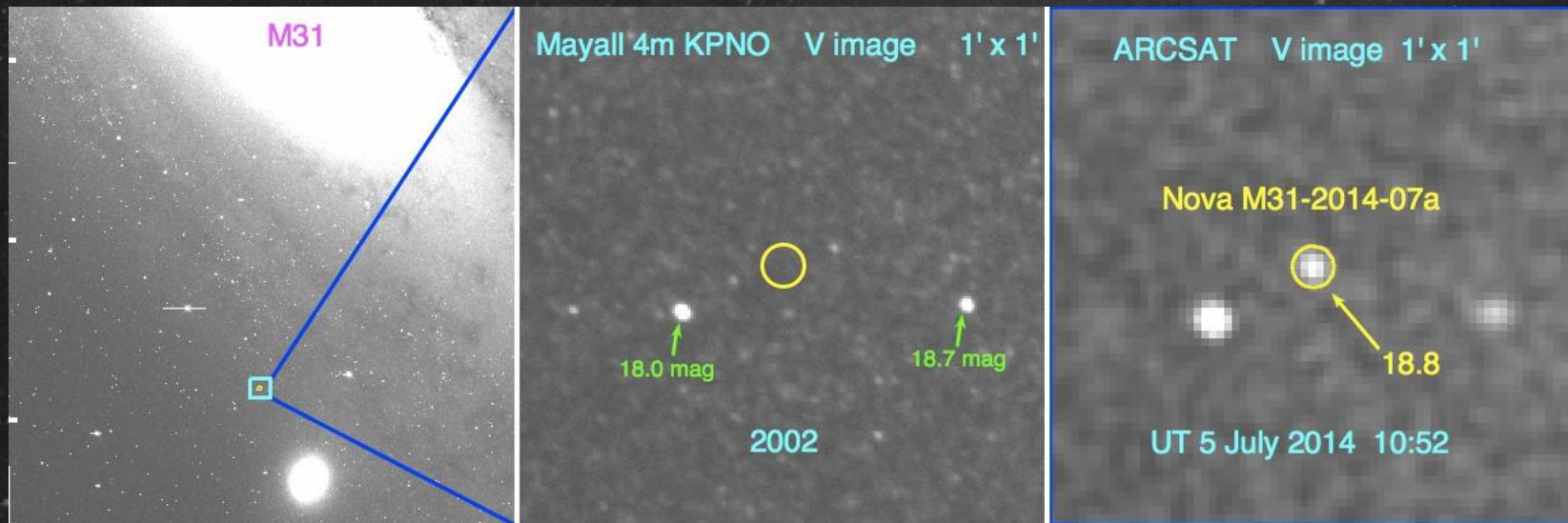
- IRAF package
- Photometry, light curves, spectral analysis
- Competitive search for new transients
 - Characterize transient evolution



Las Cumbres Observatory
spectral data taken in March

Detection of nova in M31

Nova M31-2014-07a, reported by our team



Comparison of 2002 image to 2014 image taken with ARCSAT

Stringfellow, G.S., Bell, B., Bremer, N., Grandone, S., & Witbrod, J.,
2014, ATel#6324, "Pre-Discovery Optical Detections of the
Apparent Nova (2014-07a?) in M31 Reported in ATel #6305"

Join us...

Looking for students at all levels

- Dynamical research goals, not a semester-long project. Requires ongoing commitment of time



Pursue Individual Studies

- Photometric or spectral analysis, writing technical reports, work with other datasets (SDSS APOGEE, APO 3.5m, IRTF), potential honors thesis, or other opportunities

Highly valued skills for workforce or postgraduate study

- Everything an undergrad could want
 - ...and more!

Contact Information

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