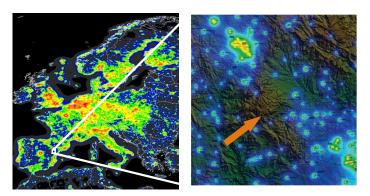
CVs in Narrow-Band Wide-Field Surveys





CEFCA mission: build, operate, maintain, and scientifically exploit the "Observatorio Astrofísico de Javalambre"



Cenarro et al. (2012, 2014)



City of The Bull, The Star and The Lovers.







Robotic operations: Yanez-Díaz et al. (2012) Scheduling: Ederoclite et al. (2012)

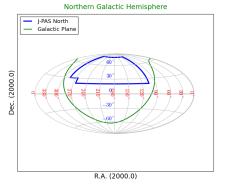


Spanish "ICTS": 20% of "open time" \Rightarrow 2 CfPs per year (no "trial by combat" ... yet)

OAJ - J-PAS and J-PLUS

J-PAS/J-PLUS Footprint

j-r A3/j-r 203 1 00tpm



Southern Galactic Hemisphere J-PAS South Galactic Plane

R.A. (2000.0)

Benitez et al. (2014) astro-ph/1403.5237

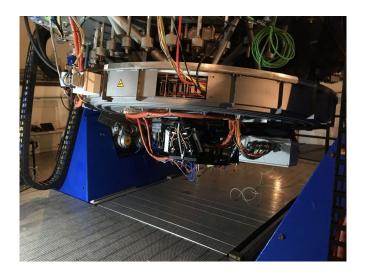


Javalambre Survey Telescope



2.5m diameter; 3sq.deg. FoV Telescope accepted on 5th Feb 2016.

J-PAS Pathfinder Camera



J-PAS Pathfinder Camera



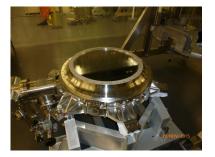
"only" $0.5 \times 0.5 \, \text{sq.deg.}$ FoV

First light on Feb 22, 2017

Best psf, so far, 0.4".



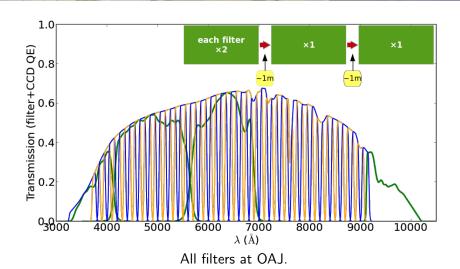






JPCam arrived at OAJ on Oct 13, 2017.

T250/JST



JPCam – Filter Distribution

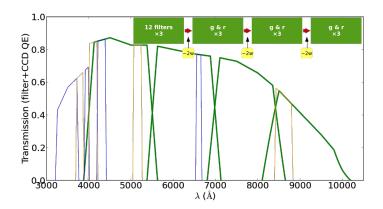




Javalambre Auxiliary Survey Telescope



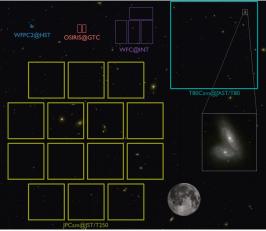
80cm diameter; 2sq.deg. FoV T80Cam: $9k \times 9k$ CCD; 0.553''/px













The Eagle Nebula observed with HST and with JAST. Please, visit

http://www.cefca.es/outreach/images_navigator



The Eagle Nebula observed with HST and with JAST.

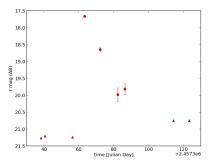
Please, visit

http://www.cefca.es/outreach/images_navigator



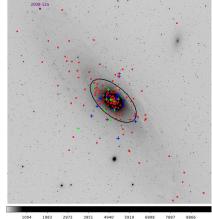




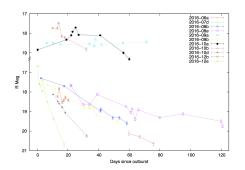


ASASSN-15th (ATel #8349)

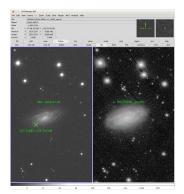




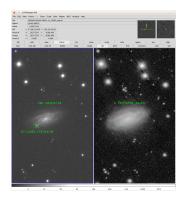


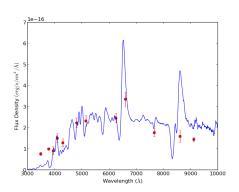


OAJ Project: 1600077 (PI: Sala)



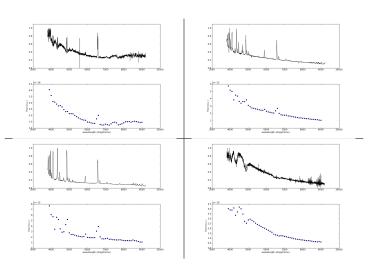




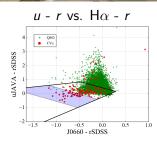


https://wis-tns.weizmann.ac.il/object/2016brw

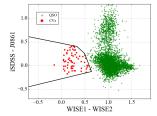
Cataclysmic Variables

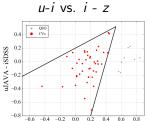


Cataclysmic Variables in JAPLUS



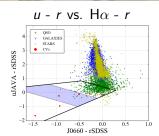
i - J0861 vs.WISE1 - WISE2



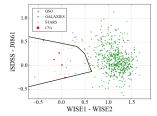


iSDSS - zSDSS

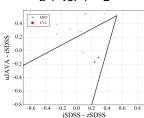
Cataclysmic Variables in JAPLUS



i - J0861 vs.WISE1 - WISE2



u-i vs. i - z





J-PAS/J-PLUS: complete knowledge of the northern extragalactic sky down to magnitude $\sim\!\!21\text{-}22.$

Interested?



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"RIA" Workshop on the Early Data Release of J-PLUS on Oct 2-3,
2017