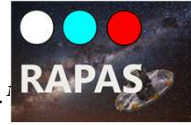


RAPAS 2025



Midavaine T.^{1,2}, Thuillot W.³, Dennefeld M.⁴, Buil C.⁵, Neveu S.¹, Serrau M.^{1,6,7}, Schüssler F.⁸, Amiot P.^{9,10}, André P.¹¹, Barbotin É.¹², Barroy P.²⁸, Bergé P.M.¹¹, Biesse G.¹, Bregou D.¹¹, Cabanac R.^{9,10}, Delisle Y.⁷, Denjean F.²⁵, Dumont J.L.¹³, Dupouy P.¹⁴, Dusserre T.^{9,10}, Fardin D.¹¹, Ferrier J.N.²⁷, Godard J.P.¹⁶, Guthleben E.¹¹, Hellot R.¹⁵, Irzyk M.⁷, Latgé C.¹¹, Lauhere C.¹, Lechapelain P.^{9,10}, Leroy A.^{7,10,16}, Lopez J.M.¹⁷, Losse F.¹⁸, Maris E.¹⁹, Marquette J.B.²⁰, Martinez P.^{1,11}, Mercier P.J.¹³, Pantacchini C.²¹, Paufigue J.²², Rieutord M.^{9,10}, Rocci P.F.⁷, Salomon T.²⁵, Sartini C.¹¹, Savalle R.³, Tregon B.²⁸, Vienney J.M.⁷, Vignes J.P.²³, Wünsche A.²⁴

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Journées de la SF2A Atelier S06 Gemini, 4 juillet 2025 Toulouse

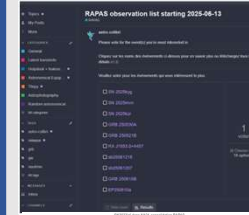
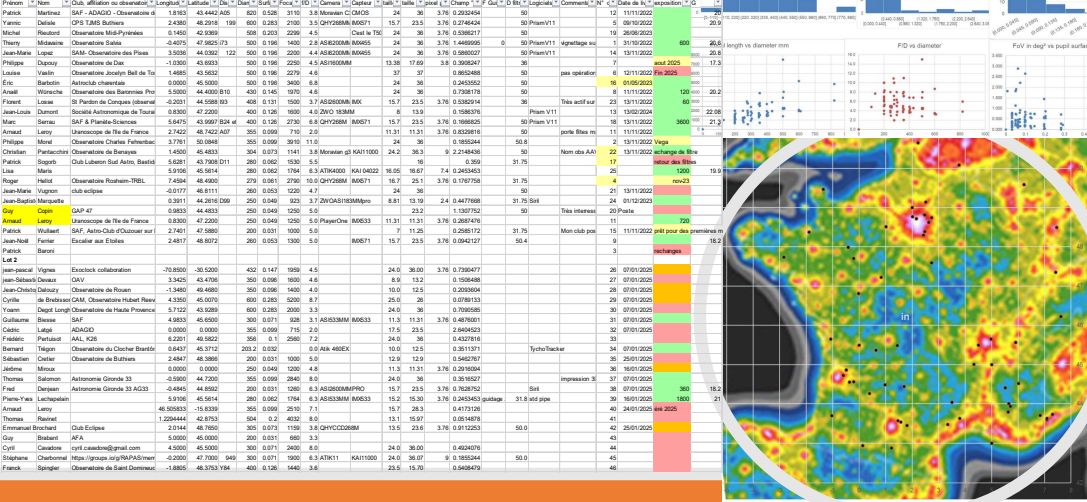
RAPAS network to answer to scientific alerts

- Solar System Objects (SSO) : Asteroids with satellite candidates, NEA alerts from MPC
- Optical Galactic alerts or Extra galactic alerts from Optical Surveillance Programs
- Multimessenger Astronomy alerts to discover and monitor optical counterparts

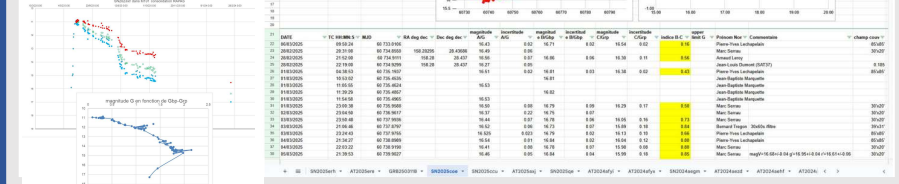
In 2025 more than 80 amateur telescopes are registered to RAPAS network

The delivery of the 2 RAPAS filter batches :

First end of 2022, then the second 2025 1st semester



Spreadsheets to collect RAPAS observer measurements...



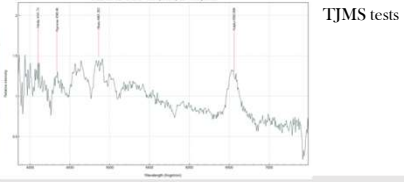
2 spectrograph proto to deliver SED



Alpy 200 : Grism 0° 200g/mm, 2 slit widths 23µm 200µm

Star'Ex VLR : Grating 150g/mm, lens 80mm or 40mm fl

Sensitivity target : With above 400mm telescopes 1h exp.
Meet magnitude 20, Resolution more than 100



A, B and C RAPAS filters meeting the Gaia G, Gbp and Grp bands

The Gaia catalog opportunities

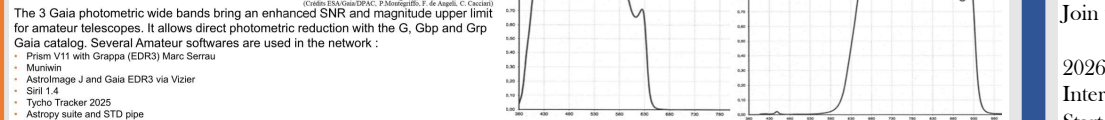
Gaia mission delivers alerts :

<https://gaiaforum.imcce.fr/>

<http://gsaweb.asi.cam.ac.uk/alerts/home>



The three Gaia optical filters are not available :



To join RAPAS program, references and contacts

Register on Gemini Portal, RAPAS web link : <https://gemini.obspm.fr/20220101-rapas/>

Get access to presentations, tutorials and data : <https://rapas.imcce.fr/>

Receive messages from the mailing list : RAPAS@groups.io

You could be then be electable to receive a set of RAPAS filters

Register to AstroCOLIBRI create a login with RAPAS membership <https://astro-colibri.science/>

Join the next RAPAS Training and Workshop (Zoom link) at OHP 22 - 26 aug 2025

2026 extend RAPAS to South Hemisphere and

International, and deliver a new filter batch

Start the Spectrograph network to issue SED

