

Pléiades 1A et 1B

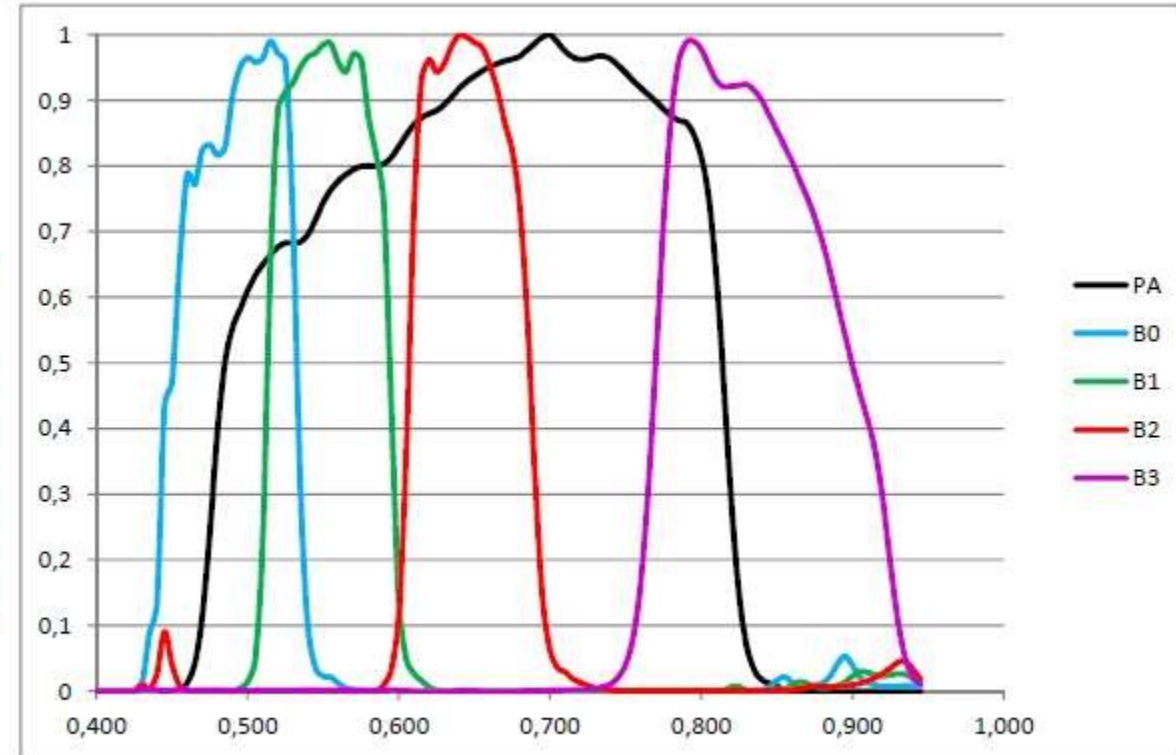
Launched: Dec 17, 2011 & Dec 2, 2012

From: Centre Spatial Guyanais, Kourou, French Guiana

Spectral ranges	λ_{min}	λ_{max}
PAN	0.47 μm	0.83 μm
B0	0.43 μm	0.55 μm
B1	0.50 μm	0.62 μm
B2	0.59 μm	0.71 μm
B3	0.74 μm	0.94 μm

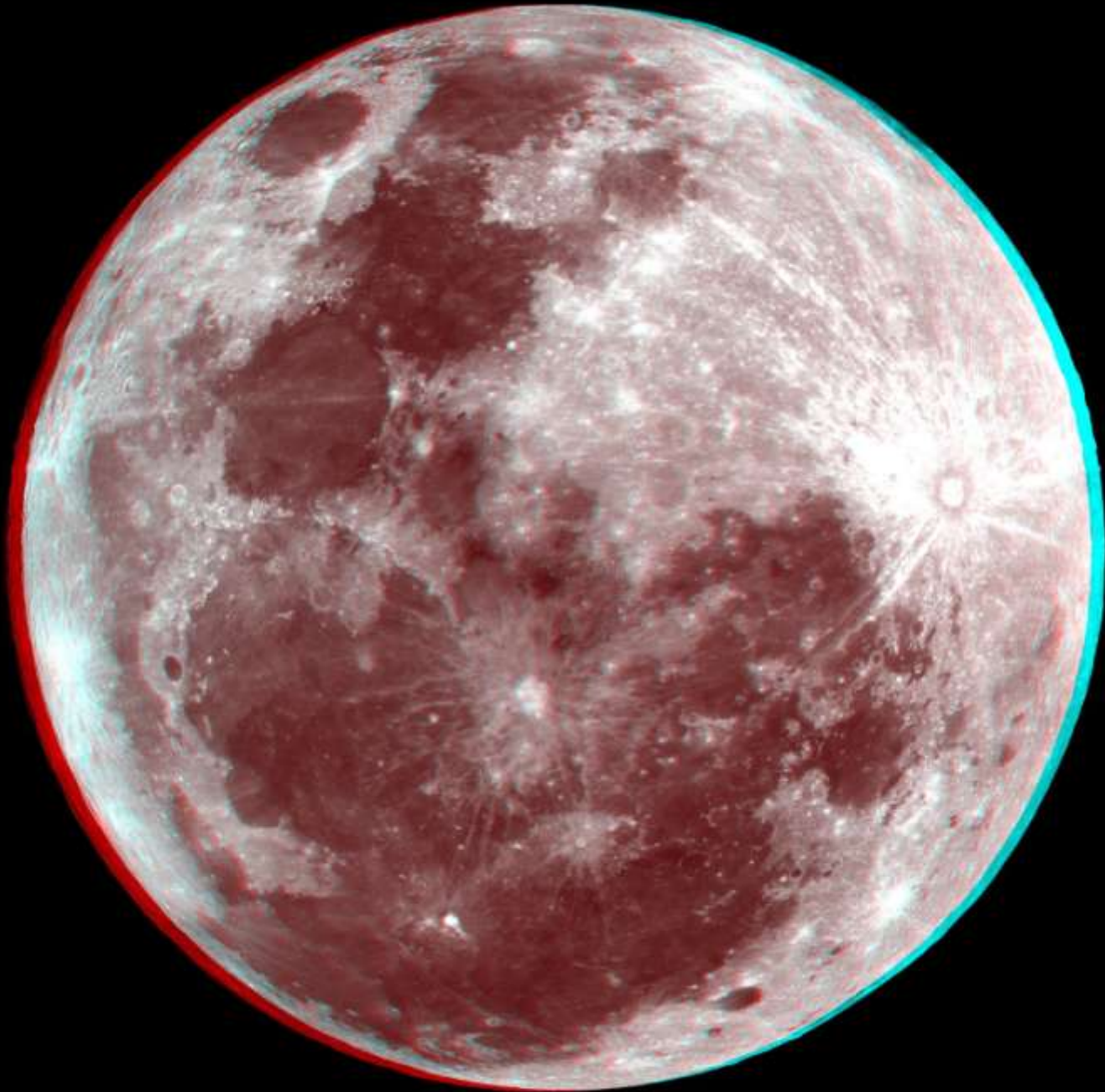
- .5m PAN
- 2m Multi-Spectral
- Alt: 694 km.
- Inclination 98.2
- Sun Sync@10:15
- 20 km swath
- 8 hr. response
- 5 year mission
- 90° Constellation
- 26 Day Cycle

Centre National d'Etudes Spatiales



SPECTRAL NORMALIZED SENSITIVITIES OF THE PLÉIADES SENSORS.

- Min. Order Size: 25 sq. km (per area & date)
Price per sq. Km: \$13.00 (archival)
- Acquisition: 1,000,000 $\text{km}^2/\text{day}/\text{satellite}$ =
~2200 images / day (Constellation)



**April 4, 2012
Pleiades 1A took
two stereo images
of the visible face of
the Moon. This is
the first 3-D image
of the moon from an
earth observation
satellite.**

Stereo/tri-stereoscopy available

The French Constellation follows each other

P1A and P1B at 180° dephasing, Spot 6 and 7 at 180° dephasing
90° dephasing total, **GL**obal **A**ccess **D**AILY

Fast pitch

5° in 8 seconds 10° in 10 seconds 60° in 25 seconds

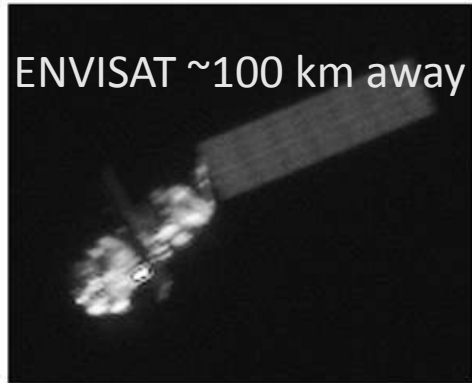
Fast images

Imagery @ 27,000 kph

14:52:03



14:59:07



14:59:57



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SPOT 5 ~100 km away

Pléiades 1A et 1B – Homepage at Centre National d'Etudes Spatiales

<https://presse.cnes.fr/en/pleiades-satellites-return-their-first-images-nepal-after-earthquake>

Free Archival - 27 April 2015 - [Kathmandu After](#)

Free Archival - 29 November 2014 – [Kathmandu Before](#)

Papers/Extras:

<http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXIX-B1/537/2012/isprsarchives-XXXIX-B1-537-2012.pdf>

<http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXIX-B1/561/2012/isprsarchives-XXXIX-B1-561-2012.pdf>

<http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XXXIX-B3/553/2012/isprsarchives-XXXIX-B3-553-2012.pdf>

http://www.congrexprojects.com/custom/icso/2012/papers/FP_ICSO-124.pdf