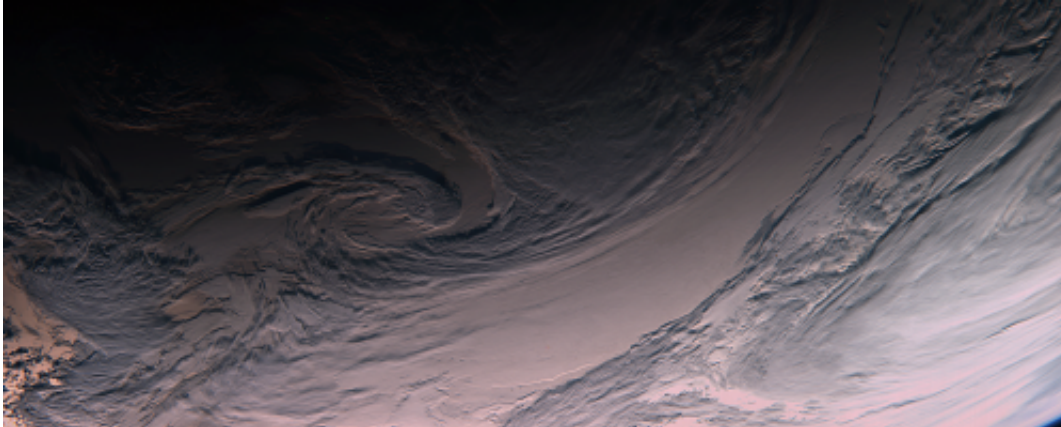


Image: Anticyclone over the South Pacific

November 12 2013



Credit: ESA, MPS for OSIRIS Team
MPS/UPD/LAM/IAA/RSSD/INTA/UPM/DASP/IDA

During its third and final flyby of Earth on 13 November 2009, Rosetta imaged this anticyclone over the South Pacific.

The image was taken by Rosetta's camera at 05:48 GMT and this false-colour composite was generated from the orange, green and blue filters.

The closest approach was at exactly 07:45:40 GMT, as Rosetta passed just south of the Indonesian island of Java, at an altitude of 2481 km.

Rosetta previously visited Earth in March 2005 and November 2007, and Mars in February 2007. Each planetary flyby gave Rosetta a gravity 'kick' to place it on the correct trajectory to reach comet

67P/Churyumov–Gerasimenko in May 2014.

Rosetta will make the most detailed study of a comet ever attempted. It will release its Philae lander to analyse the surface, and will escort the comet on its journey through the inner Solar System, measuring the increase in activity as the icy surface is warmed up by the Sun.

Provided by European Space Agency

Citation: Image: Anticyclone over the South Pacific (2013, November 12) retrieved 6 February 2023 from <https://phys.org/news/2013-11-image-anticyclone-south-pacific.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.