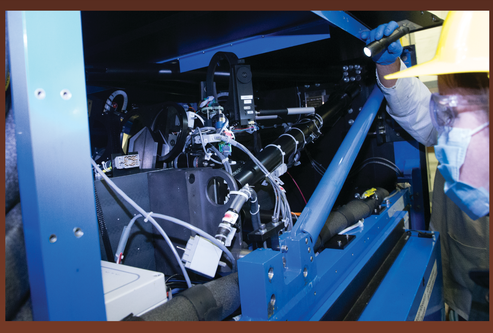
Looking Ahead...

Instruments on the Horizon

Gemini Instrument Feasibility Study (GIFS):

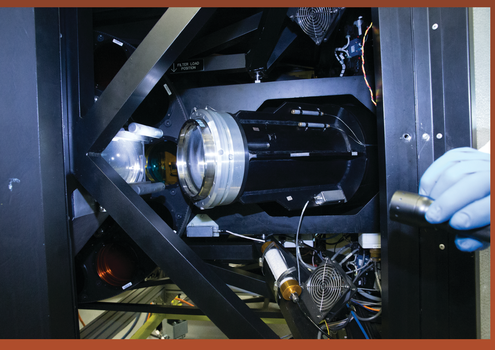
GIFS aims to produce great ideas for the next Gemini facility instrument. Funded studies will begin in early 2015, presenting their ideas at the Future and Science meeting (see adjacent).

We invite input from a broad cross-section of our users and welcome your participation. See: http://goo.gl/k9xKFB



Gemini High-resolution Optical SpecTrograph (GHOST):

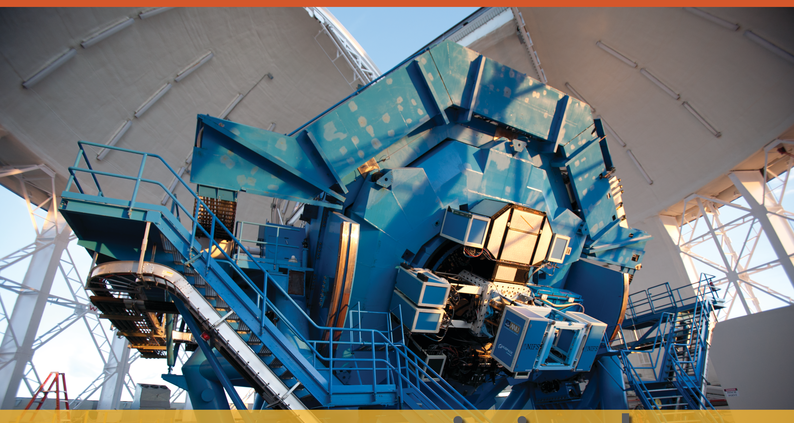
GHOST will offer Gemini users optical spectroscopy (R=50,000 for two objects + sky, and R=75,000 for one object + sky), slated for 2017. The next milestone for the team (from AAO, ANU, and NRC-H) is the final design review in late 2015.



Small (2015) and Large (2016) Upgrade Proposals:

Gemini will offer opportunities for external instrument teams to complete small (≲$100,000) and large (≲$500,000) projects to keep Gemini's current instruments competitive into the future. The first solicitation is expected in 2015.

Watch for details on these opportunities in the next few months!



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Future & Science Meeting

Focusing on scientific results made possible from Gemini's latest capabilities, including new observing and proposal modes, this gathering of Gemini's users and stakeholders will also consolidate plans to assure that our scientific legacy is sustained well into the future. Contributions from participants and partner communities will serve as a focal point for next-generation instruments, observing modes and synergies with other facilities as the Observatory looks ahead to 2020 and beyond.

June 14-18, 2015
Toronto, Ontario, Canada

Toronto 2015 FUTURE & SCIENCE OF GEMINI OBSERVATORY

Scientific Organizing Committee: Paul Martini (Chair), Ohio State University | Michael Balogh, University of Waterloo | Guillermo Bosch, National University of La Plata | Jean-Michel Désert, University of Colorado | Karl Glazebrook, Swinburne University of Technology | Paulina Lira, Universidad de Chile | Narae Hwang, Korea Astronomy and Space Science Institute | Mansi Kasliwal, California Institute of Technology | Nancy Levenson, Gemini Observatory | Bruce Macintosh, Stanford University | Franck Marchis, SETI Institute | Letizia Stanghellini, National Optical Astronomy Observatory | Thaisa Storchi-Bergmann, Universidade Federal do Rio Grande do Sul

Local Organizing Committee: John Blakeslee (Chair), NRC Herzberg Astronomy and Astrophysics | Eric Steinbring, NRC Herzberg Astronomy and Astrophysics | Howard Yee, University of Toronto | Patrick Hall, York University | André-Nicolas Chené, Gemini Observatory

Registration and information: *www.gemini.edu/fsg15*

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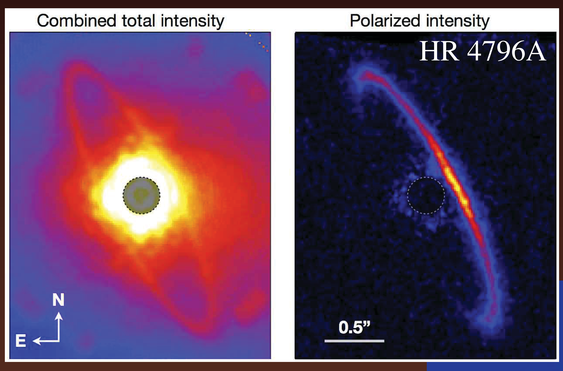
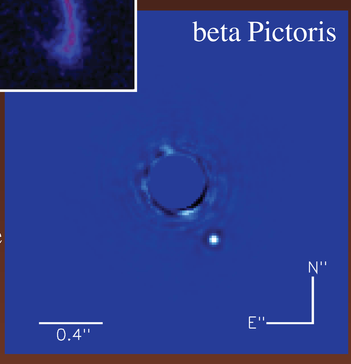
GPI

Gemini Planet Imager: Science & Campaign Programs Underway!



Ask us about GPI’s early science data!



The ambitious GPI Campaign has begun! The three year program is slated to spend the equivalent of nearly 90 nights to take an accurate census of, and characterize giant exoplanets.

The GPI Campaign will produce the first-ever census of giant plant populations between 5 and 50 AU from their host stars. This supports a better understanding of Jovian planet formation and their migration mechanisms and interactions with disks and belts of debris. Additionally, this data should bring the gap between Jupiter-mass bodies and brown dwarfs with the first examples of cool, low gravity, planetary atmospheres.

GPI Team during successful commissioning at Gemini South in late 2013 (above). GPI mounted on the up-looking port of the telescope. (below).

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