

## Project Overview

[GROWTH](#) (Global Relay of Observatories Watching Transients Happen) is an international scientific project in astronomy bringing together the expertise and resources of 14 institutions and multiple observatories around the world to create a network of telescopes that can observe fast changing cosmic events uninterrupted by sunrise. This continuous follow-up observations of supernovae, Gamma-Ray Bursts (GRBs), neutron stars and black-hole mergers in the first 24 hours after detection can provide long sought answers to questions like how stars explode and die, how heavy elements are produced, and what the primary sources of gravitational waves are. GROWTH will also identify and study near-earth asteroids.

## Partners

- [California Institute of Technology \(USA\)](#)
- [San Diego State University \(USA\)](#)
- [Los Alamos National Laboratory \(USA\)](#)
- [University of Maryland College Park \(USA\)](#)
- [University of Wisconsin Milwaukee \(USA\)](#)
- [Texas Tech University \(USA\)](#)
- [University of Washington \(USA\)](#)
- [Tokyo Institute of Technology \(Japan\)](#)
- [National Central University \(Taiwan\)](#)
- [Indian Institute of Astrophysics \(India\)](#)
- [Weizmann Institute of Science \(Israel\)](#)
- [The Oskar Klein Centre at Stockholm University \(Sweden\)](#)
- [Humboldt University \(Germany\)](#)
- [Inter-University Center for Astronomy and Astrophysics \(India\)](#)
- [Liverpool John Moores University \(UK\)](#)
- [University of Sydney \(Australia\)](#)

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