

# Rapid Follow-up in iPTF and the Science it Enables

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## Abstract

The intermediate Palomar Transient Factory (iPTF) is now routinely discovering supernovae within 24 hours of explosion. We have developed a pipeline for identifying interesting transients in real-time, sharing them among the collaboration and rapidly obtaining multi-wavelength followup observations. Such data is enabling us to "see" the types of stars which explode as supernovae and thus gain clues into one of the biggest unanswered questions in the field of explosive transients.