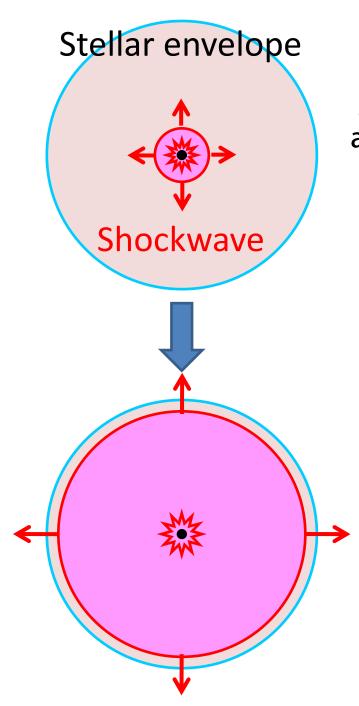
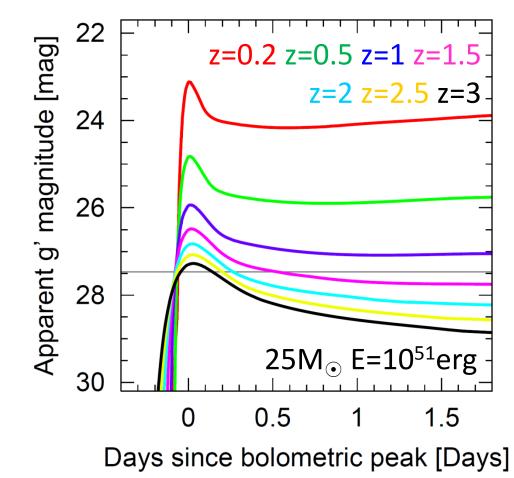
Development of quick data analysis system for detection of shock breakouts

Nozomu Tominaga (Konan Univ.), Tomoki Morokuma (Univ. Tokyo), Masaomi Tanaka (NAOJ), Naoki Yasuda (Univ.Tokyo), Hisanori Furusawa (NAOJ)



Shock breakout

Shock breakout is the brightest phenomenon in a supernova with short time scale (~1day). Shock breakout attains the first direct detection of normal core-collapse supernovae at z>1.



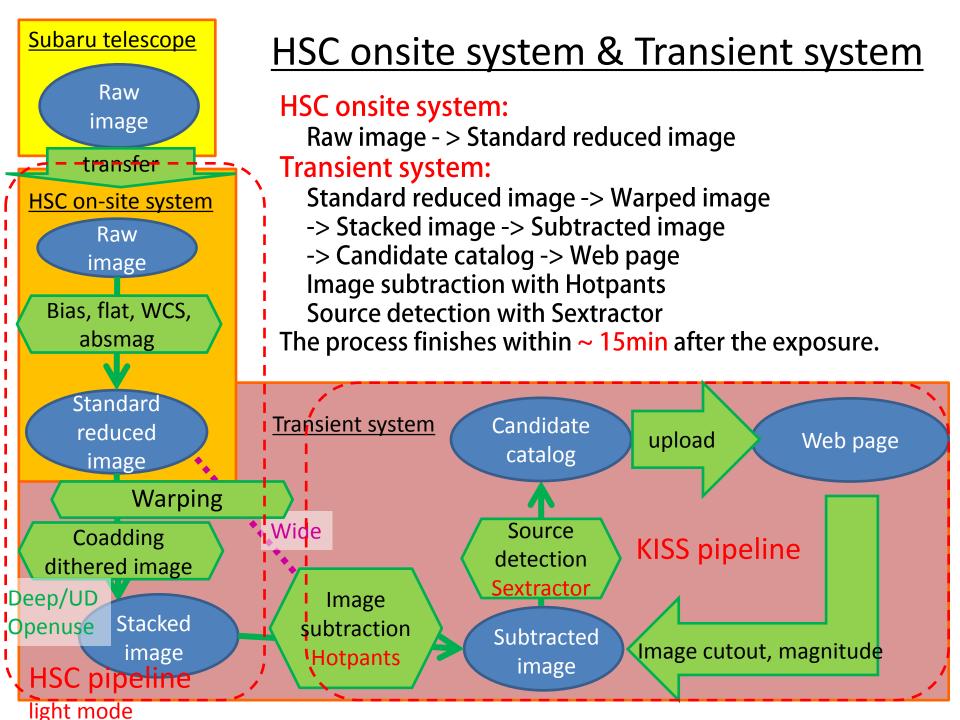
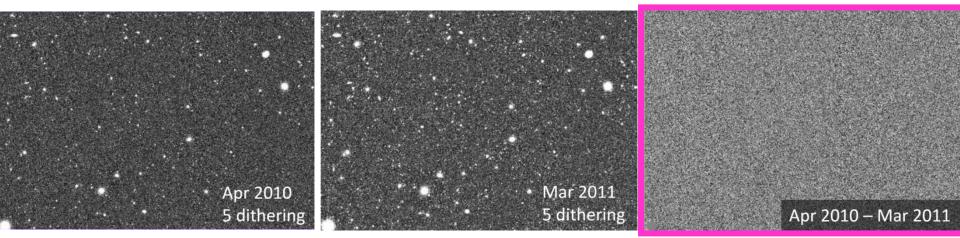


Image subtractionS14A Jul 2014Stacked - stackedHSC



1 shot - 1 shot

