

SN J02524671+4656470 located near UGC 2351, discovered by Massimo Caimmi on behalf of Italian Supernovae Search Project (ISSP).

Data from Latest Supernovae (<http://www.rochesterastronomy.org/supernova.html>)

, [CBAT TOCP](#) discovered 2015/09/12.010 by Massimo Caimmi ([ISSP](#))
Found in [UGC 2351](#) at [R.A. = 02h52m46s.71](#), [Decl. = +46°56'47".0](#)
Located 21".0 east and 30".0 north of the center of [UGC 2351](#)

Mag 16.3:9/21, Type Ia (References: SN [2012gg](#))



Classifications of Three Recent Supernovae

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Subjects: Optical, Supernovae, Transient

We report classifications of two recent SNe and one update based upon spectra (330-1000 nm) obtained on UT September 21, 2015 with the 3-m Shane reflector (+Kast) at Lick Observatory. Classifications were performed through cross-correlation with a library of supernova spectra using the "SuperNova IDentification" code (SNID; Blondin & Tonry 2007, Ap.J. 666, 1024) including the updated templates of Silverman et al. 2012, MNRAS, 425, 1789 and Liu & Modjaz, 2014, arXiv:1405.1437.

PSN J23523718+1433092 is a normal SN Ia near maximum light. SNID indicates a strong similarity to the spectrum of SN 2007fr at maximum, and after correcting for the host galaxy's redshift of $z = 0.0266$ (UGC 12822; NED) the Si II 635.5 nm absorption indicates an expansion velocity of 10,600 km/s.

PSN J02524671+4656470 is also a normal SN Ia near maximum light, and SNID indicates strong correlations with the near-maximum spectra of SNe 2000dg, 2007A, and 1998bu. After correcting for the host galaxy's redshift of $z = 0.0281$ (UGC 02351; NED), the Si II 635.5 nm absorption indicates an expansion velocity of 10,800 km/s.

PSN J02051332+0606084 was reported in ATel # [8039](#) as a Type Ib/c SN based on an early-time spectrum showing a similarity to the spectra of young broad-lined SNe Ib/c. Here we report that the object has evolved into a normal Type Ib SN, and SNID identifies strong correlations with SNe 1997X, 2007C, and 1998dt around maximum brightness.