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PSN J11473508+5558147 is a Type Ib Supernova Near Maximum Light

Leonard, D.C.; Sheehan, P.; McCarthy, D.; Follette, K.; Moustakas, J.; Cantillo, D.; Cazares-Kelly, A.; Cazares-Kelly, S.; Cendes, Y.; Damm, N.; Donati, A.; Douglas, E.; Ferrell, L.; Fosbinder-Elkins, H.; Fox, C.; Greenberg, M.; Hart, K.; Hensley, H.; Holt, A.; Hooper, E.; Juran, C.; Keane, J.; Key, K.; Korus, L.; Lee, T.; Leidig, K.; Merchak, E.; Nessmann, K.; Pendyala, S.; Pirkl, S.; Reeder, J.; Roos, A.; Rounseville, S.; Ruddy, E.; Schlingman, A.; Schlingman, W.; Schwartzman, E.; Shanmugam, V.; Silver, E.; Stein, A.; Stock, N.; Svoboda, B.; Thomas, B.; Thomas, N.; Thompson-Taylor, K.; Walton, H.

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We report spectroscopic classification of PSN J11473508+5558147 through inspection of a low-dispersion optical spectrum (range 370-680 nm), obtained with the 2.3-m Bok telescope (+ Boller & Chivens spectrograph) at Kitt Peak on 2015 June 21 UT. Information on this transient, discovered by P. Wiggins, was announced through the CBAT Transient Object Followup Reports (<http://www.cbateps.harvard.edu/index.html>) and is also available from the "Bright Supernova" website (<http://www.rochesterastronomy.org/snimages/>).

PSN J11473508+5558147 is a Type Ib supernova; cross-correlation with a library of supernova spectra using the comparison tool GELATO (Harutyunyan et al. 2008, A&A, 488, 383) finds good matches with near-maximum Type-Ib supernovae at a redshift of 0.008, consistent with the NED redshift of the putative host galaxy, NGC 3888 (de Vaucouleurs et al., 1991, RC3 catalogue).

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