

Initial light curve of SN2018ivc in M77 by IERCOO

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SN2018ivc was discovered by TNS on 2018/11/24.074 by DLT40. We report initial light curve between November 27th and December 12th, 2018 at dd.6UT each day using IERCOO 0.61m reflector of Indian Centre for Space Physics. The daily blue and red magnitudes (ddmm: Mb, Mr) are (2711: 15.6, 14.7; 2811: 15.5, 14.6; 2911: 15.8, - ; 0212: 15.9, - ; 0312: 15.8, 14.8; 0412: 15.7, 15.1; 0512: 15.9, 15.2; 0612: 15.9, 15.2; 0712: 16.1, 14.9; 0812: 15.9, 15.1; 0912: 16.2, 15.1; 1012: 16.2, 15.2; 1112: -, 15.1; 1212: 16.3, 15.2) with an average magnitude decay since peak (November 28) of 0.047/day in blue and 0.036/day in red respectively. Thus we reconfirm Type II nature already spectroscopically discovered in ATEL#12239 and ATEL#12240 from our observed rapid fall of brightness in blue. Since our telescope reached its blue magnitude limit we encourage others to follow up to confirm its sub-type.

