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SUPERNOVAE 2005Q, 2005R, 2005S, 2005T, 2005U

Several apparent new supernovae have been reported, all on unfiltered CCD images except for 2005U, which was found by S. Mattila (Stockholm Observatory), R. Greimel (Isaac Newton Group of Telescopes), and C. Gerardy and W. P. S. Meikle (Imperial College, London) on K_s-band images obtained as part of the ongoing 'Nuclear Supernova Search' campaign with the William Herschel Telescope (+ LIRIS). SN 2005Q was found by L. A. G. Monard (cf. *IAUC* 8454), and SN 2005R was found by T. Boles (cf. *IAUC* 8469), while 2005S and 2005T were found by H. Pugh, J. Graham, and W. Li (LOSS/KAIT; cf. *IAUC* 8472).

SN	2005 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2005Q	Jan. 28.803	$1^h30^m03^s.51$	$-42°40'48''.4$	17.2	22″ W, 20″ N
2005R	Jan. 13.971	11 14 56.81	+33 49 35.7	17.4	0″.9 W, 3″.2 N
2005S	Jan. 22.58	14 08 28.84	+ 7 03 27.2	19.1	5″.6 W, 0″.9 S
2005T	Jan. 24.54	14 26 17.24	+26 14 47.8	18.4	7″.2 W, 0″.9 N
2005U	Jan. 30.30	11 28 33.22	+58 33 42.5	16.2	3″.7 W, 4″.9 S

Additional approximate unfiltered CCD magnitudes, by the respective discoverers unless noted otherwise: SN 2005Q in ESO 244-G31, 2004 Dec. 30.814 UT, [18.7; Jan. 29.757, 17.1 ± 0.2. SN 2005R in UGC 6274, 2004 Apr. 22, [19.5; Nov. 13, [19.5; 2005 Jan. 16.052, 17.4. SN 2005S in UGC 9037, 2004 June 24.21, [20.0; 2005 Jan. 24.59, 19.2. SN 2005T in IC 4423, 2004 June 27.21, [19.5; 2005 Jan. 31.53, 18.3. SN 2005U in Arp 299, 2004 Dec. 25.41, [18.8 (Li, KAIT); Jan. 23.40, 18.2 (Li, KAIT).

Monard adds that nothing is visible at the location of SN 2005Q on a Digitized Sky Survey image (limiting red mag 20.5). Boles remarks that nothing is visible at the location of SN 2005R on Digitized Sky Survey plates from 1992 (limiting red mag 21.0), 1990 (limiting blue mag 20.5), or 1983 (limiting visual mag 18.5); he adds that comparison with the Konkoly Observatory plate of the foreground variable designated 1985J (cf. *IAUC* 4059) shows that 2005R is 15″ southwest of 1985J. Li provides the following position end figures for SN 2005U: $33^s.13$, 41″.3. Mattila *et al.* note that their offset above for SN 2005U is with respect to the K_s-band nucleus A of the luminous infrared galaxy Arp 299 (the tabulated magnitude above for 2005U is also in the K_s band); they estimate preliminary $J-K = +0.4$ ± 0.5 for 2005U, adding that the color indicates modest extinction.

2005 January 31 *Daniel W. E. Green*