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COMETS C/1983 N2 AND C/1984 Q1 (SOLWIND)

Further to *IAUC* 8566, R. Kracht reports two additional Kreutz comets found and measured by himself on SOLWIND images. Following are the observations of C/1983 N2, which appeared generally starlike and of mag 2–3, with a possible faint tail in the final images; B. G. Marsden provides the following parabolic orbital elements for C/1983 N2: T = 1983 July 7.89 TT, $\omega = 81^\circ.43$, $\Omega = 359^\circ.55$, $i = 142^\circ.23$ (equinox 2000.0), q = 0.0049 AU.

1983 UT	α_{2000}	δ_{2000}
July 7.425	$6^h55^m.7$	$+20^\circ56'$
7.432	6 55.9	+20 57
7.439	6 56.0	+20 58
7.446	6 56.0	+21 00
7.454	6 56.2	+21 02
7.491	6 56.7	+21 07
7.498	6 56.8	+21 08
7.506	6 56.8	+21 10
7.513	6 57.0	+21 12
7.520	6 57.1	+21 14
7.558	6 57.6	+21 20
7.565	6 57.7	+21 21
7.572	6 57.7	+21 23
7.579	6 57.8	+21 24
7.586	6 58.0	+21 26

Following are positions for C/1984 Q1, which had a faint tail and faded rapidly from mag ~ 3 in the first few images. Marsden provides the following parabolic orbital elements for C/1984 Q1: T = 1984 Aug. 23.22 TT, $\omega = 81^\circ.04$, $\Omega = 355^\circ.72$, $i = 144^\circ.14$ (equinox 2000.0), q = 0.0049 AU.

1984 UT	α_{2000}	δ_{2000}
Aug. 22.923	$9^h58^m.8$	$+10^\circ56'$
22.930	9 59.0	+10 56
22.937	9 59.2	+10 57
22.944	9 59.4	+10 58
22.952	9 59.7	+10 59
22.989	10 01.0	+11 02
22.996	10 01.1	+11 02
23.011	10 01.7	+11 05

2005 July 25 *Daniel W. E. Green*