

# The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS

Commission 20 of the International Astronomical Union, usually in batches on or near the date of each full moon,

## Minor Planet Center

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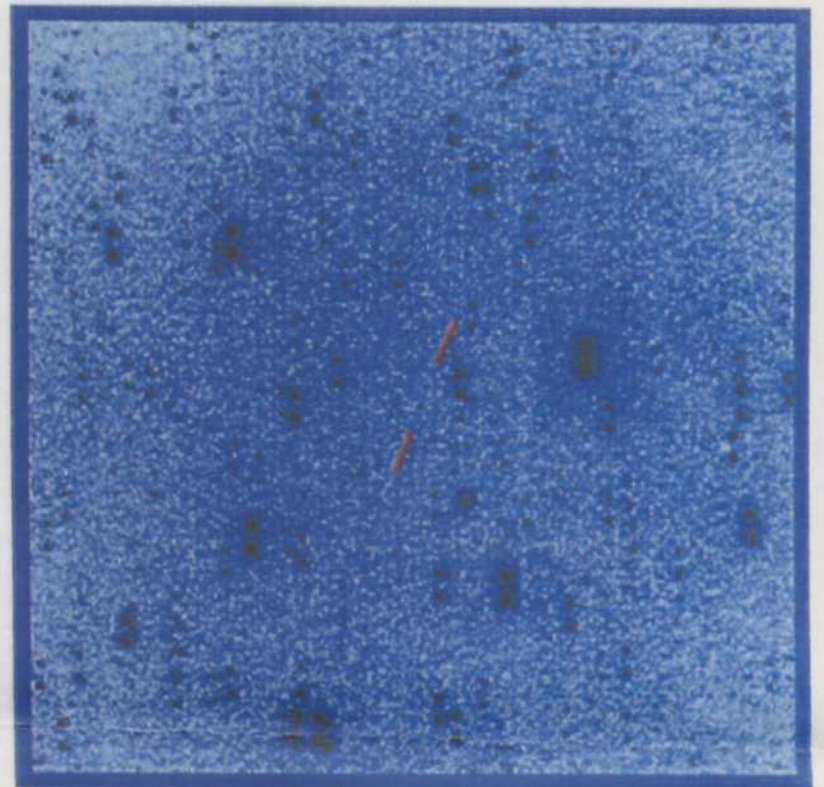
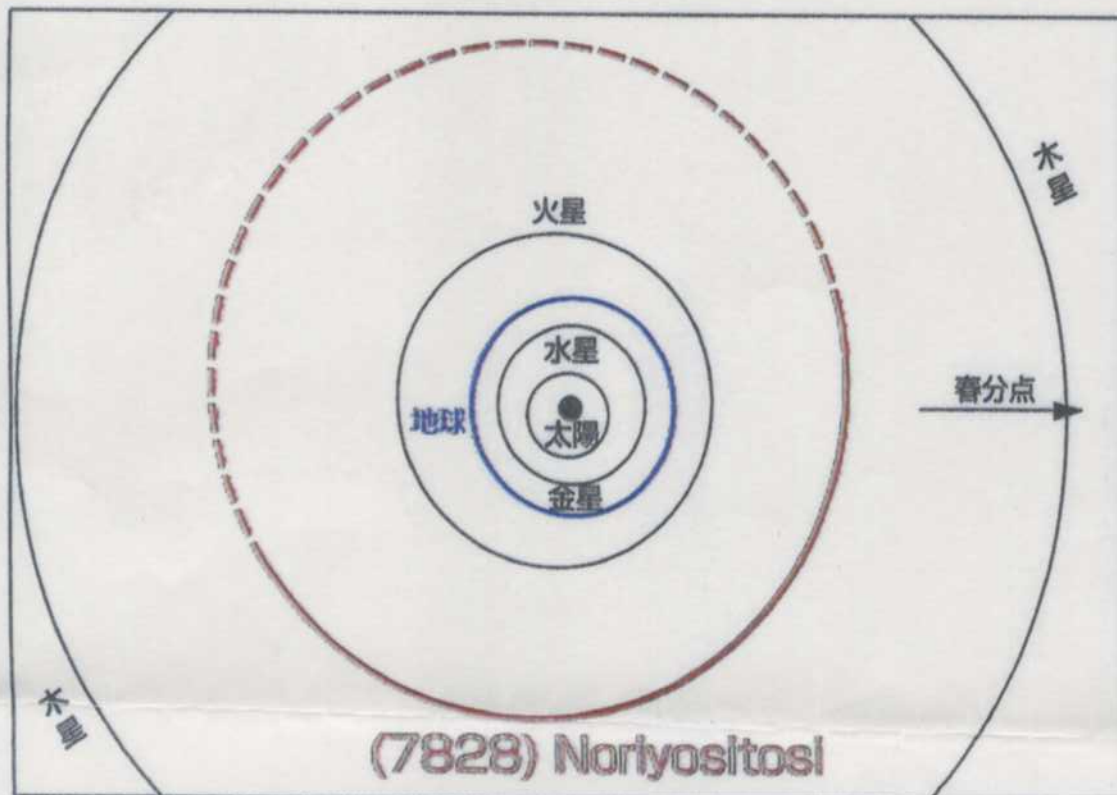
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# (7828) Noriyositosi

(7828) Noriyositosi = 1992 SD13

Discovered 1992 Sept. 28 by M. Yanai and K. Watanabe at Kitami.

Named for Noriyosi Furiya (1838–1914), a pioneer Japanese winegrower, and his great-grandson Toshihiko (Tosi) Tukamoto (b. 1931). Tosi introduced a sake-brewing technique of low-temperature fermentation to the winemaking world.

M. P. C. 75 349 2011 JUNE 15

(7828) \* 1992 SD13 = 1981 UM17 = 1981 UM20 = 1986 RO8 = 1996 FU17

Discovered 1992 Sept. 28 by M. Yanai and K. Watanabe at Kitami.

Id. G. V. Williams (MPC 28300)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

M 333.19343

(2000.0)

P

Q

n 0.17549746 Peri. 122.00709 +0.83478289 +0.54358370

a 3.1595276 Node 205.39074 -0.54837925 +0.80669189

e 0.1555385 Incl. 11.77313 -0.04917039 +0.23187273

P 5.62 H 12.3 G 0.15 U 2

Residuals in seconds of arc

811024 095 (3.3+ 2.2+) 921002 675 1.3+ 0.5+ 960326 809 (1.9+ 4.4+)

811028 095 0.1- 0.8+ 921004 675 0.3- 0.4- 960326 809 (1.9+ 4.4+)

860908 095 (0.4- 4.1+) 921004 675 0.5- 1.2- 960326 809 (1.7+ 5.0+)

920923 400 0.4- 1.0+ 921020 372 1.8- 0.6+ 960326 809 0.0 0.0

920923 400 0.5+ 0.3+ 921021 372 0.5- 0.4- 960326 809 0.2- 0.0

920928 400 (3.0+ 0.7-) 960322 809 0.9- 1.3+ 960326 809 0.3+ 0.0

920928 400 1.0+ 1.2- 960322 809 (0.7- 2.4+) 970610 689 0.9+ 0.0

921001 675 0.7+ 0.9+ 960322 809 (0.8- 2.4+) 970611 689 0.2- 0.0

921001 400 (2.5- 1.2+) 960324 809 0.4+ 0.3- 970623 689 0.1+ 0.0

921001 400 (1.4- 3.8+) 960324 809 0.2- 0.0 970708 689 0.7- 0.0

921002 675 0.0 0.0 960324 809 0.7+ 0.5+

M. P. C. 30 438 1997 AUG.