

## 2007 April 17 Occultation of Iota Cancri by 411 Xanthe

### Practice Observing Iota Cancri

Occultation of Iota Cancri occurs between 8:56 and 8:57 p.m. EDT for North Florida.

This is only 5–6 minutes after Nautical Twilight ends on 2007 April 17 (8:51 p.m. EDT in Gainesville, Florida).

Occultation also occurs only about 22 minutes after Iota Cancri transits (8:34 p.m. EDT in Gainesville, Florida) when this star has a zenith distance of only 5 degrees.

**Use Table 1** to practice finding Iota Cancri just before nautical twilight begins.

**Use Table 2** to practice observing Iota Cancri this star is near upper transit. (Some instruments may be either difficult or impossible to use when near the zenith.)

**Table 1. 2007 Eastern Times of Nautical Twilight (Gainesville, Florida)\***

Day	February	March	April
1	7:01 p.m.	7:20 p.m.	8:40 p.m.
5	7:04 p.m.	7:23 p.m.	8:43 p.m.
10	7:07 p.m.	7:26 p.m.	8:46 p.m.
15	7:11 p.m.	8:29 p.m.	8:50 p.m.
20	7:14 p.m.	8:32 p.m.	8:53 p.m.
25	7:18 p.m.	8:35 p.m.	
30		8:39 p.m.	

**Table 2. 2007 Eastern Times of Iota Cancri Transits (Gainesville, Florida)\***

Day	February	March	April
1	12:32 a.m.	10:38 p.m.	9:36 p.m.
5	12:17 a.m.	10:23 p.m.	9:21 p.m.
10	11:53 p.m.	10:03 p.m.	9:01 p.m.
15	11:33 p.m.	10:43 p.m.	8:41 p.m.
20	11:14 p.m.	10:24 p.m.	8:22 p.m.
25	10:54 p.m.	10:04 p.m.	
30		09:44 p.m.	

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**\*Note:** Times are all Eastern, either Standard (UT - 5h) or Daylight (UT - 4h). (Daylight Time begins second Sunday in March or 2007 March 11.)