

Sunrise / Sunset

Estimated Time of Sunrise/set _____

Date _____

Estimated Position at Estimated Time

Latitude		Longitude	
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From Nautical Almanac daily pages Interpolate Sunrise/set time for estimated latitude

Example **Estimated Position:-** **15°30'.0 N 005°22'.6 W**

N40 0317
35 0340
30 0358
20 0426
10 0448
0 0507

20 0426 **22** = 2.2 minutes difference per degree of Latitude
10 0448 **10**

(22 difference between 0426 & 0448) (10 difference between 20 & 10)
We want N 15° 30

(difference between N10° & N15° 30 = 5.5)

5.5 x 2.2 = 12.1 minutes

*0448 - 12 minutes = **0436***

Divide Longitude by 15 or use Conversion of Arc to Time table in Almanac

$\frac{005^{\circ}22'.6}{15} = 21 \text{ Minutes } 30 \text{ Seconds}$ **(Longitude +W -E)** $0436 + 21.5 \text{ Minutes} = **0457 30 GMT**$

Add or Subtract Local Time Difference to get LT for Sunrise/set

1

New Estimated Position at above Time:- Latitude _____ Longitude _____

2

New Estimated Position at above Time:- Latitude _____ Longitude _____

3

Time Of Sunrise/set = _____