



IOTA Membership and Observer Information Form

Version 2011.07

Name:

Telephone:

Address:

City:

State/Province:

Zip:

Country:

Email:

Latitude:

Longitude:

Elevation:

meters

Grazing Occultations:

What is the greatest distance, in kilometers or miles, you would be willing to travel in order to observe lunar grazes: kilometers

Telescope aperture: cm

What is the magnitude of the faintest star you want lunar graze predictions for?

or check here if you do not need lunar graze predictions:

IOTA membership options for 4 issues of the Journal of Occultation Astronomy (JOA):

Both include annual local lunar graze and asteroid occultation predictions by email.

\$15 US for online access to the JOA via www.occultations.org

\$40 US for printed mailings/online access of the JOA in North America (\$45 elsewhere)

Mail your membership dues (check payable to IOTA) to the address below or via our website at www.occultations.org

Comments or Further Details:

Mail To: IOTA Secretary/Treasurer
8901 Abingdon Place
Montgomery, AL 36117
U.S.A.

Instructions for Observer Information Form

Telephone: Give home telephone number first, if more than one.

Address: Give home or office address, whichever you prefer. If you are a student or otherwise living predominantly at another address from September through May, give this other address and telephone number in the COMMENTS section. If you move, please submit a new form.

Latitude/Longitude: If you have not, cannot, and do not intend to time any total occultations to the necessary accuracy (accurate to at least nearest 1/2 second), an approximate position, such as taken from supplied occultation predictions will suffice. However, if you do, or soon will time total occultations, the position should be reported at least to the nearest second of arc (1") or nearest 0.0001 degrees in latitude and longitude, and to the nearest 10 meters / 30 feet in elevation above sea level. Please provide the source of position determination in "Comments or Further Details".

Grazing Occultations: Check the appropriate box if you do not need graze predictions. Otherwise, please complete the rest of this section. In estimating the greatest distance you would be willing to travel, assume the most convenient time, since the computer program does not test for holidays or weekends. Predictions for 5 kilometers / 3 miles beyond the specified radii will be computed, to allow for the fact that the lunar profile might show that multiple events can be seen as far as 5 kilometers or 3 miles from the predicted limit.

When selecting travel radii and magnitudes, keep in mind that about one favorable graze and two marginal ones occur each month for each 160 kilometers / 100 miles of radius for latitude 30°. Higher latitudes have fewer events (about half as many at 55°). The frequency of observable events is also reduced significantly in most places by the weather.

JOA is the quarterly distributed Journal of Occultation Astronomy.

Members are strongly encouraged to view the JOA via <http://www.occultations.org> or http://groups.google.com/group/iota_us

IOTA membership questions can be emailed to stellarwave "at" yahoo "dot" com.

IOTA is a tax exempt organization under sections 501(c)(3)- Scientific Research and 509(a)(2)- Public Education of the Internal Revenue Code USA.