

Level 3 OSP 2011

As an advanced level list, advanced preparation is required to successfully complete the observations. This preparation includes creating detailed finder charts, researching certain features online, and becoming familiar with the targets on the list. A sketch of each object is strongly encouraged, for any object that is not sketched a sufficiently detailed description of the observation so that there is little doubt of the positive identification. It is recommended that you have detailed star charts available. When it comes to advanced observing lists a large aperture scope is usually required. GoTo scopes and image enhancers (photography) are permitted at OSP for the OSP award. A "LA" (Location Assisted) or "IE" (Image Enhanced) will be put on your certificate and the OSP webpage if either one of these are used.

Suggested by	Object	Description
Miles Paul	Shakhbazian 16	Nominated for most difficult pronunciation
Howard Knytych	NGC 100	Nominated for most unexpectedly difficult object
Howard Knytych	Abell 71 – The planetary Nebula	Nominated for roundest object
Howard Banich	Pluto	Nominated for best known object
Howard Banich	The Geggenschein	Two nominations, best title and largest object
Howard Banich	Cassiopeia A	Nominated for least attempted object
Matt Vartanian	Einstein's Cross (at least the lensing galaxy)	Nominated for most distant object
by Matt Vartanian	Zwicky's Triplet	Two nominations, most interesting name and last object alphabetically

Many of us have not seen well known objects. As experienced observers you should have some experience observing objects that are part of regular astronomical discussions. To this end there are three such objects on this list. Pluto, the Geggenschein and Einstein's Cross.