Another reason to have Personal Predictions of Occultation present in our Occult Watcher list of predictions.

And the natural next step if you want to have more events than the current occultation's feeds are offering to you now.

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Asteroid's Orbital Elements

 You can decide what feed of Orbital Elements you want to use. All of them allowed by Occult.

MPCOrb → http://www.minorplanetcenter.org/iau/MPCORB/MPCORB.DAT

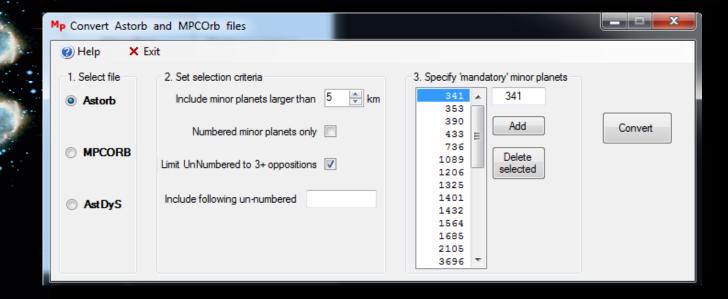
ASTOrb → http:// astorb.klet.org/astorb.dat.gz

AstDys → http://hamilton.dm.unipi.it/~astdys2/catalogs/allnum.ctc.gz

 Or from personal astrometry with your own observations using software like OrbFit or Find_Orb.

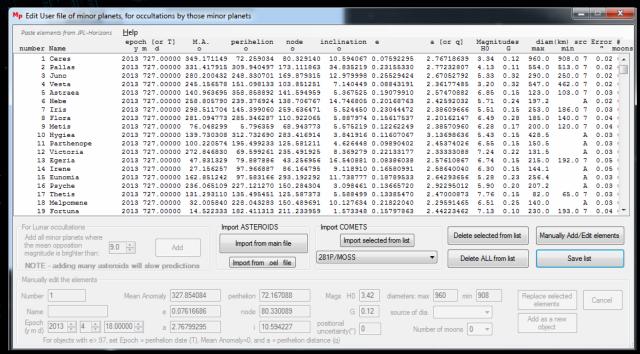
How-to... use orbital elements

After download and decompress (if necessary) the asteroid's elements (see previous slide), you can use them in Occult.



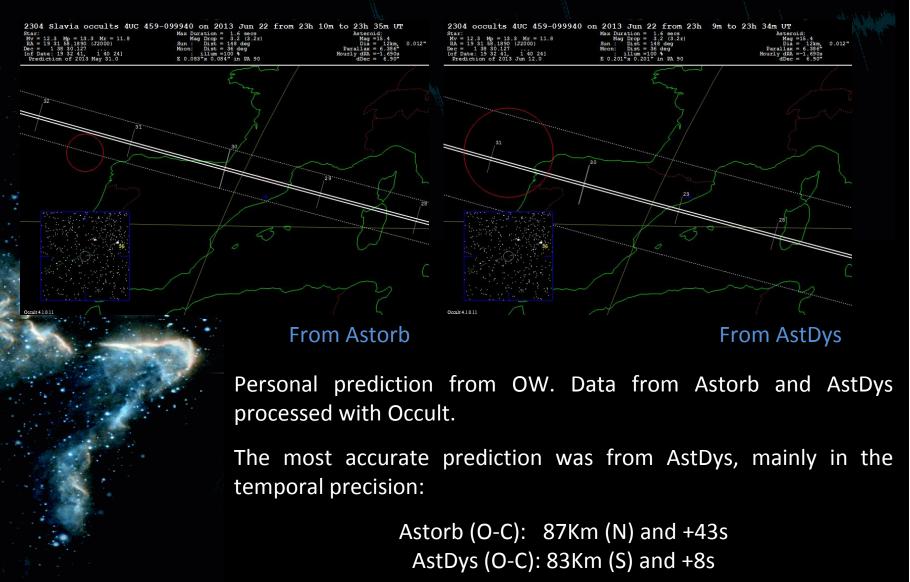
How-to... use "personal astrometry"

To use the elements obtained using "personal astrometry", you have to edit the "User file of minor planets".



The next step was well explained in the first part of this presentation.

One positive from a Personal feed



After our experience with the personal predictions in our Occultation's Group, we decide to have our own feed. Its name will be IBEROC and soon will be part of the Occult Watcher feeds.

This is already spoken with Hristo Pavlov and the other feed occultation maintainers of Occult Watcher, and could be appear in the next version of Occult Watcher.

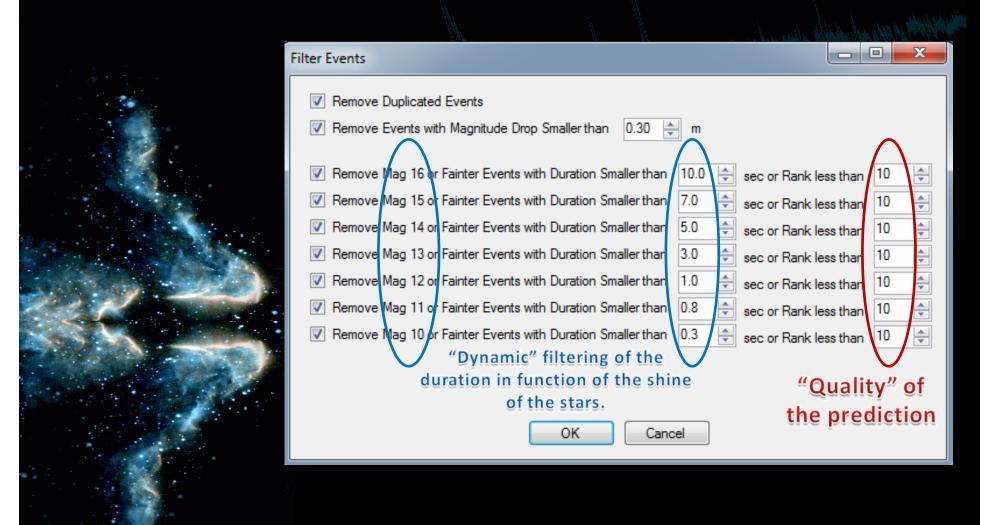
Why we do it?

Due to the national nature of our Association, we must provide predictions of occultation for all the national territory (including the Canary Islands).

Despite the great work behind IOTA and EAON feeds, we believe that there were not enough occultation events. Even we are seeing some of IBEROC's events are being chosen by observers of the rest of Europe, using the Occult Watcher feed "Planned Observations".



Occult needs to know the center of the area where it will calculate the predictions.



OccultWatcher Feed: IBEROC

Event	AstNo	AstName	StarName	StarMag	Dur	Drop	DTFrom	DTTo	SunDist	MoonDist	MoonIll	StarRA	StarDE		
130818	5091	Isakovskij	4UC 360-202339	12.5	2.2	4.12	00:42	01:03	150	0	0	19 50 51.59	-18 06 12.5	PATH	DETAILS
130818	24689	1990 OH1	TYC 2303-01042-1	10.7	4.2	7	01:19	02:05	111	0	0	01 14 01.01	+36 18 06.8	PATH	DETAILS
130818	26369	1999 CG62	TYC 749-00423-1	10.8	0.5	7.4	05:03	05:04	40	0	0	07 04 30.78	+09 10 37.2	PATH	DETAILS
130818	7965	Katsuhiko	TYC 2859-00161-1	12.7	1.3	5.31	05:08	05:15	89	0	0	03 00 15.96	+44 38 41.1	PATH	DETAILS
130818	2263	Shaanxi	4UC 322-080009	12.7	1.8	4.12	20:35	20:39	95	0	0	15 50 43.95	-25 43 26.0	PATH	DETAILS
130819	1505	Koranna	4UC 388-077485	12.3	3	3.35	00:14	00:30	111	0	0	17 12 17.95	-12 29 06.8	PATH	DETAILS
130819	3139	Shantou	4UC 491-136066	13.7	3.4	1.99	01:02	01:17	149	0	0	20 25 24.05	+08 09 57.1	PATH	DETAILS
130819	607	Jenny	4UC 595-021187	12.1	2.1	3.83	01:27	01:29	61	0	0	05 36 18.40	+28 54 02.2	PATH	DETAILS
130819	23977	1999 GW6	TYC 2242-01163-1	12.3	2.2	4.32	04:08	04:37	136	0	0	23 01 07.22	+27 29 02.2	PATH	DETAILS

http://ocultacions.astrosabadell.org/IBEROC/index.html

This web page is automatically generated for the software OWFeed Creator by H. Pavlov. Catching the charts previously generated for Occult by D. Herald. And this is the source of the predictions used by OW.

Related URL's and acknowledgements.

- OrbFit software: http://adams.dm.unipi.it/orbfit/
- Find_orb: http://www.projectpluto.com/find_orb.htm
- Occult: http://www.lunar-occultations.com/iota/occult4.htm
- Occult Watcher:
 - http://www.hristopavlov.net/OccultWatcher/OccultWatcher.html
- IBEROC web page: http://ocultacions.astrosabadell.org/

Thanks for your attention

We are grateful to the support received by Hristo Pavlov. To Eric Frappa, David Herald and Emmanuel Thienpont for the suggestions received from them while discussing some features of IBEROC.

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