AGA0414 Scheduling

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Caveats when using Staralt

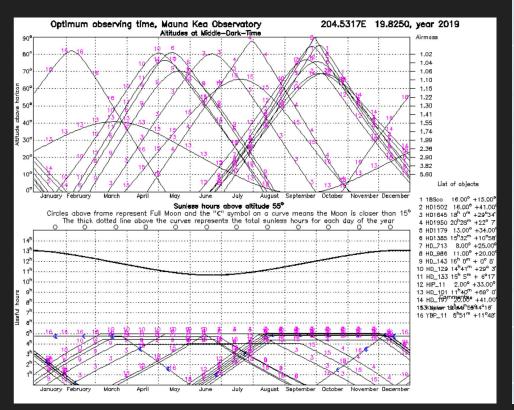
Staralt accepts two or three columns (name, RA, Dec... where the first is not mandatory) <u>separated by spaces</u>.

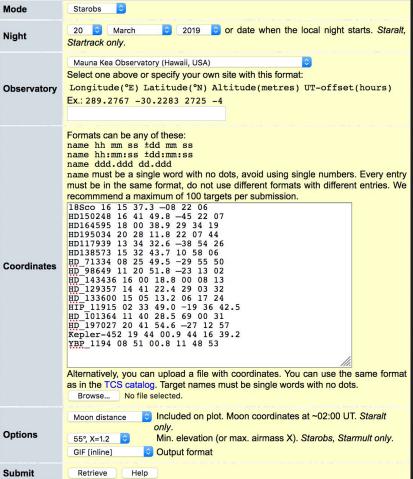
Survey #1

Given 10 stars https://en.wikipedia.org/wiki/Solar analog :

- When is it the best moment to observe each of them?
- Is there a good date to observe most of them?
- Assume that it takes 20minutes (including overheads) to observe each of them, how long would it take to observe them all?

Starobs





Survey #1

Given 10 stars:

- When is it the best moment to observe each of them? 18Sco, beginning of October,...
- Is there a good date to observe most of them? End of September /
 Beginning of October is best for 7 out of 16
- Assume that it takes 20minutes (including overheads) to observe each
 of them, how long would it take to observe them all? 16 x 20min = 320min
 = 5.3h

Survey #2

J-PLUS has ~4,000 pointings.

Assuming that each pointing takes about 1h of observing time (including overheads):

- How long would it take to complete the survey (one can assume that the average night at OAJ is 8h long)?
- How long would it take to complete the survey, if only 75% of the time is available because of lunar illumination?
- What if one also adds that the sky has transparency conditions good for J-PLUS for only 50% of the time?
- Are you able to simulate a realistic scenario, taking into account the RA distribution of the sources?

Messier Marathon

https://en.wikipedia.org/wiki/Messier object

How would you plan a Messier Marathon from Hawaii on Mar21?

When is the best date for a Messier Marathon from Hawaii?

How would you plan a Messier Marathon from OPD on Mar21?

Messier Marathon

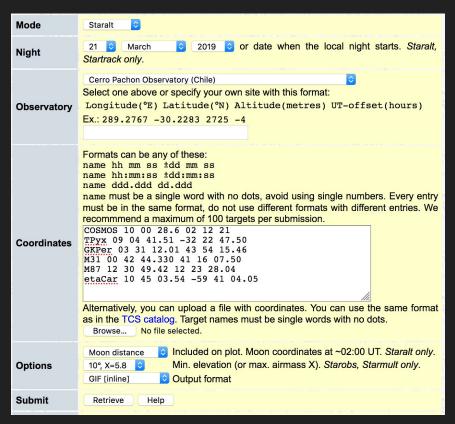
https://en.wikipedia.org/wiki/Messier object

How would you plan a Messier Marathon from Hawaii on Mar21? Night goes from LST 7:15 until LST 16:45.

When is the best date for a Messier Marathon from Hawaii?

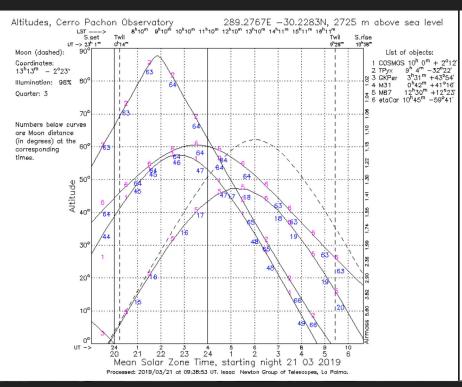
How would you plan a Messier Marathon from OPD on Mar21? M81 and M82 are barely observable from OPD.

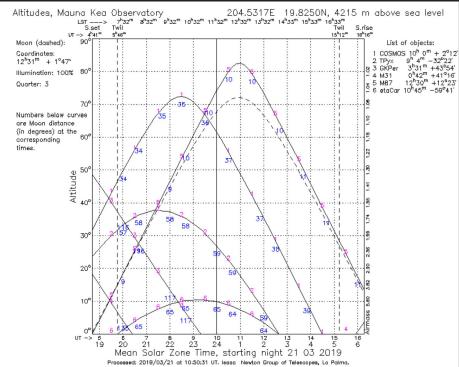
Nights #1, #2, and #3



https://docs.google.com/document/d/1qvdPiC1d_BMckWBo9-RM_c_Ybh1pJ3yt5fkzdslMZUg/edit?usp=sharing

Nights #1, #2, and #3





Night #1

My report of Night #1

https://docs.google.com/document/d/1sXls4HdVbtr_CWY8QbZXGD3k7jsZVhkTOsWIH7oLxnA/edit?usp=sharing