

SkySafari Observing List Supplement

The RASC Observing Committee created an observing list file for the SkySafari app for mobile devices, specifically for people pursuing the Deep-Sky Gems (DSG) observing certificate. It is based on the tables found in the RASC *Observer's Handbook*. As opposed to using a paper checklist, this electronic file takes advantage of features in the SkySafari planetarium software, allowing a user to show all the targets on the virtual sky, perform star hopping and field identification, mark targets observed, and so on.

This supplemental document addresses some of the “special” or odd things in SkySafari. The majority of targets in the DSG observing campaign are celestial objects from the NGC catalogue, so things work well or work in a straight-forward manner. That said, some of the known errors in the New General Catalogue come into play. For example, NGC 91 appears to be an error in the source catalogue, which is now considered to mean NGC 90. In particular, this document addresses a number of the non-NGC targets in Doveed Levy's list of targets, such as the “Daffy Duck” nebula and Winston Churchill's “V.”

Created by Blake Nancarrow on 9 Nov 2022. The current DSG list is based on the 2023 handbook.

SkySafari Observing List Notes

- NGC 755 is called NGC 763 in SkySafari.
- SkySafari does not use “37 Cluster” label for NGC 2169.
- SkySafari does not use “Monkey Head Nebula” label for NGC 2174.
- SkySafari does not use “Northern Jewel Box” label for NGC 2362.
- TYC 5438-2084-1 is one of the stars in Levy 384, the “special” asterism in Pup.
- HR 3612 is one of the stars in Levy 401, Churchill's “V” Signal in Lyn.
- PGC 27509 shows in place of Arp 321, Levy 51.
- PGC 31532 shows in place of MGC -4-25-41 or NGC 3314 A/B, Levy 219.
- SkySafari does not use “Bow and Arrow” label for NGC 3310.
- NGC 3854 is also known as NGC 3865.
- NGC 4130 is also known as NGC 4129.
- SkySafari shows NGC 4591 as NGC 4577.
- NGC 5371 is also known as NGC 5390.
- HD 199311 is a star in the region of Levy 403, the "Daffy Duck" nebula in Cyg, the north edge of the North American nebula (NGC 7000).
- SkySafari does not use "Iris Nebula" label for NGC 7023.

Targets No Longer Required

Over the years, the DSG program list found in the RASC *Observer's Handbook* was changed, with new targets added while others were deleted. Below, we show items recently removed. The Observing Committee allows “grandfathering” in situations where an observer works from an old list and views targets not on the current list. We will recognise and accept the older targets. We will not require the observer discard their logs for the old targets. More importantly, we will not require the observer to seek out the new list targets that they were not aware of when they set out on the DSG campaign. One might consider the new targets optional...

- NGC 2613. It was replaced by Levy 402.
- NGC 6118 aka "Blinking Galaxy." It was replaced by Levy 403.