

# **ASSA Deep-Sky Observers Section**

## **Annual report of activities 2019-2020**

The DSO Section produced two editions of Nightfall over the year. [Vol. 3 #2 \(April 2019\)](#) featured reports by Magda Streicher and Carol Botha, with photo-feature sections by Barbara Cunow (Caldwell Objects) and Martin Heigan (Vela supernova remnant and its environs). There was also a 10-page compendium of astronomy related teacher's resources that provided descriptions of and web links to over 100 resource websites addressing all levels of astronomy education from El-Hi to undergraduate varsity learners.

[Vol. 4 #1 \(June 2020\)](#) introduced embedded videos and simulations such as an Orion Nebula fly-through produced by the ESA, as well as a drone flight over Sutherland and sunset made by Willie Koorts. Magda Streicher produced an exciting account of her trip to the remote arctic to see and photograph the aurora borealis. Carol Botha introduced readers to the world of online observing using remote observatories in Chile and the Canary Islands. Martin Heigan's hydrogen-alpha images of the LMC illustrated the abundances and location of warm gas masses which can feed star-forming associations. Carol Botha further produced her images and observational charts of the Milky Way's three ultra-massive young star clusters Westerlund 1 & 2, and NGC 3603. An account of Isaac Newton's discovery and proof of the effects prisms have on light analysis rounded out the issue.

Nightfall will carry on as usual into the forthcoming year.

=Doug Bullis, section director