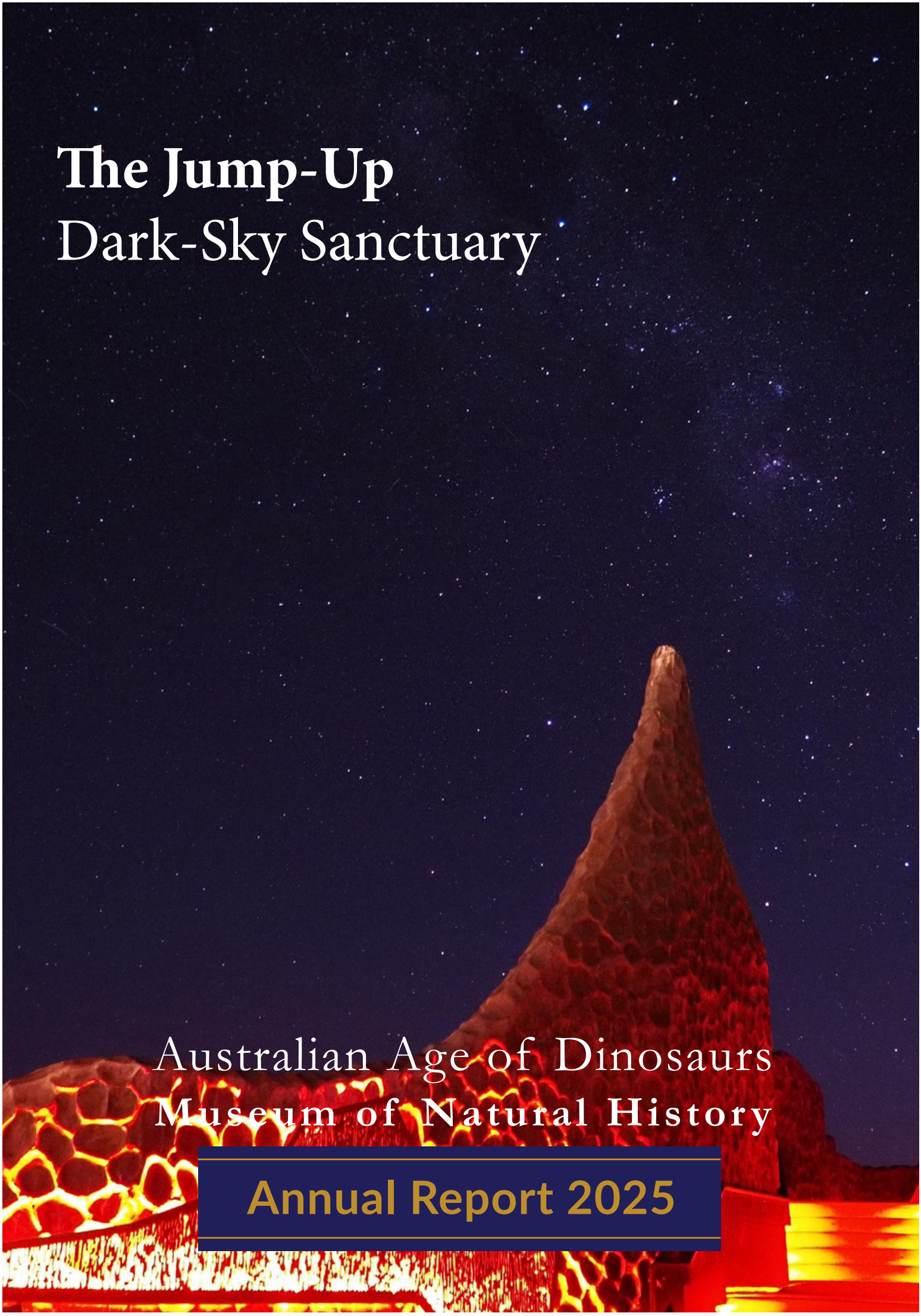


The Jump-Up
Dark-Sky Sanctuary

Australian Age of Dinosaurs
Museum of Natural History

Annual Report 2025

COVER PHOTO **GRANT SALMOND**
PHOTO **GRANT SALMOND**

Site information

Designation type	International Dark-Sky Sanctuary
Designation date	27 April 2019
Site name	The Jump-Up Dark-Sky Sanctuary
Site size	14 square kilometres
Site contact (primary)	Grant Salmond grant.salmond@aaod.com.au
Site contact (secondary)	Naomi Miles naomi.miles@aaod.com.au

The Jump-Up statistics (1 Jan to 31 Dec)

	2020/2021	2021/2022	2023	2024	2025
Permanent Jump-Up population	1	1	2	2	2
Visitors to The Jump-Up	60,713	53,198	46,539	42,567	41,612
Total average or typical zenith night-sky brightness (MPSAS)	21.67	21.63	21.63	21.67	21.69

	2020/2021	2021/2022	2023	2024	2025
Online visitors to the Museum's Dark-Sky page	3,546	3,689	3,879	4,015	4,159
Average time on the Dark-Sky page (minutes)	2:18	2:13	2:15	2:15	2:16

Measurements
Comparative sky-quality distribution across The Jump-Up using averaged data (monthly averages have been adjusted by -0.1, to account for the glass cover).

Table 1 Dinosaur Canyon (SQM 1.0)

	Period	20 to 22.5 MPSAS monthly average	Average temp (°C)
2025	Jan	21.64	25.4
	Feb	21.59	22.9
	Mar	21.74	23.3
	Apr	21.50	17.9
	May	21.60	14.6
	Jun	21.60	10.5
	Jul	21.63	10.0
	Aug	21.87	6.3
	Sep	21.73	17.8
	Oct	21.78	22.5
	Nov	21.74	22.6
	Dec	21.77	23.3
	Average	21.68	18.1

Table 2 The Jump-Up base (SQM 2.0)

	Period	20 to 22.5 MPSAS monthly average	Average temp (°C)
2025	Jan	21.70	26.26
	Feb	21.68	23.10
	Mar	21.75	23.68
	Apr	21.60	18.64
	May	21.68	15.77
	Jun	21.72	10.81
	Jul	21.77	10.32
	Aug	21.80	13.70
	Sep	21.79	18.10
	Oct	21.77	22.61
	Nov	21.75	23.82
	Dec	21.75	24.13
	Average	21.73	19.24

Table 3 The Jump-Up western side (SQM 3.0)

	Period	20 to 22.5 MPSAS monthly average	Average temp (°C)
2025	Jan	21.60	28.5
	Feb	21.62	25.8
	Mar	21.71	25.7
	Apr	21.50	21.2
	May	21.59	17.6
	Jun	21.63	13.9
	Jul	21.70	13.9
	Aug	21.73	15.5
	Sep	21.73	21.1
	Oct	21.75	25.7
	Nov	21.71	26.0
	Dec	21.74	26.0
	Average	21.67	21.8

Introduction

The Jump-Up Dark-Sky Sanctuary attained International Dark-Sky Sanctuary status on 27 April 2019 and currently stands as one of only two such sanctuaries in Australia, the other being Arkaroola International Dark-Sky Sanctuary in South Australia. Other International Dark-Sky Places in Australia include Warrumbungle National Park and Palm Beach Headland in New South Wales, as well as Carrickalinga and River Murray Dark-Sky Reserve in South Australia.

Situated 24km south-east of Winton in Central West Queensland, the Australian Age of Dinosaurs Museum of Natural History (the Museum) is a prominent science-based not-for-profit museum and a major tourist attraction located within The Jump-Up Dark-Sky Sanctuary. Throughout the reporting period the Museum has actively promoted dark-sky conservation and education. This commitment is evident through the Museum's adherence to its Lighting Management Plan, guided tours of the Gondwana Stars Observatory, the employment of an Education & Astronomy Manager, as well as community engagement and media publicity.

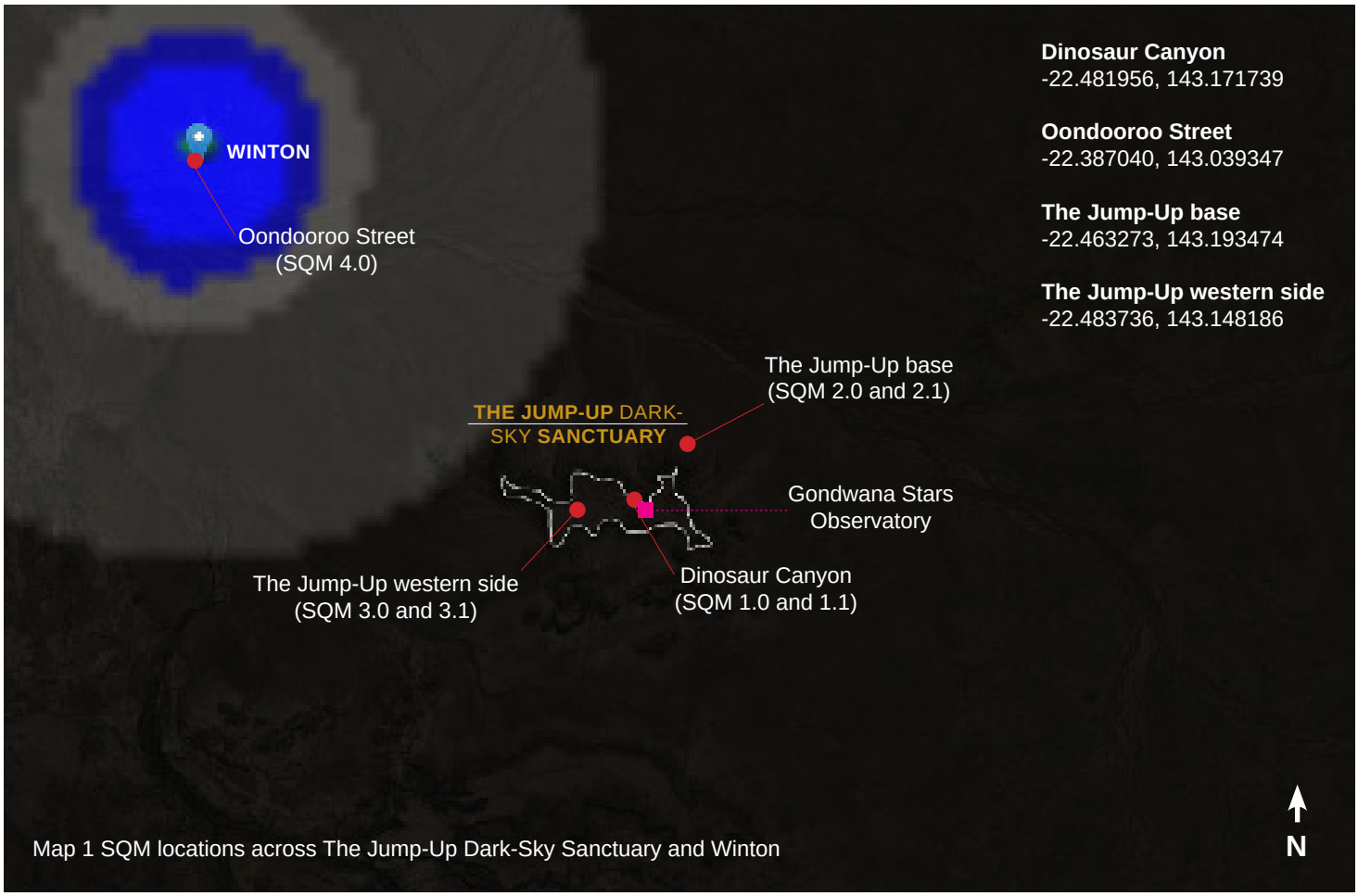
As reflected in the Museum's night-sky data, the sky above The Jump-Up remains pristine and unaffected by light pollution. This report briefly summarises the activities undertaken by the Museum from January to December 2025 under the following sections: measuring the night sky; lighting compliance; outreach, education and media; promotions and media relations; future threats; and additional information.

Measuring the night sky

Summarise the night-sky quality across the sampling period.

The Museum has six permanent sky-quality meters at three sites on The Jump-Up. SQM 1.0 and its back-up 1.1 are located at Dinosaur Canyon, SQM 2.0 and its back-up 2.1 are located at the base of The Jump-Up at the Star Gallery and SQM 3.0 and its back-up 3.1 are located in the western corner of The Jump-Up (refer to *Map 1*). An additional SQM 4.0 is installed in a central location in Winton. Night-sky brightness readings are taken continuously and collected quarterly. Reviews of these readings are undertaken every 12 months by the Museum Management Team to ensure the readings remain on par with DarkSky International regulations.

Dinosaur Canyon recorded an overall average MPSAS of 21.68, with 52% of readings ≥ 21.5 and 44% ≥ 21.75, reaching its clearest conditions in August. The base of The Jump-Up averaged 21.73 MPSAS, with 54% of readings ≥ 21.5 and 50% ≥ 21.75, while the western side registered 21.67 MPSAS, with 53% of readings ≥ 21.5 and 44% ≥ 21.75. Night-time temperatures ranged from 6.3°C to 28.5°C across the sites, with the western side consistently the warmest. Seasonal patterns indicate slightly higher MPSAS readings during winter months (August–October),



Map 1 SQM locations across The Jump-Up Dark-Sky Sanctuary and Winton

Table 4 Summary of sky-quality distribution across The Jump-Up (based on Tables 1, 2 and 3)

	Dinosaur Canyon (SQM 1.0)		The Jump-Up base (SQM 2.0)		The Jump-Up western side (SQM 3.0)	
Period	**20 to 22.5 MPSAS monthly average**	**Average temp (°C)**	**20 to 22.5 MPSAS monthly average**	**Average temp (°C)**	**20 to 22.5 MPSAS monthly average**	**Average temp (°C)**
Jan to Dec 2025	21.68	18.1	21.73	19.24	21.67	21.8

suggesting optimal stargazing conditions during this period. Despite minor fluctuations, all sites consistently exceeded the 21.5 MPSAS threshold, affirming the Sanctuary's suitability for astronomical observation and dark-sky tourism. Comparative analysis highlights subtle differences between locations, likely influenced by topography, localised light interference and atmospheric conditions. For a visual representation of each month throughout the reporting period, please refer to *Graphs 1* to *48*.

Describe any changes detected in night-sky quality from receiving your certification to the present.
Since receiving certification, The Jump-Up Dark-Sky Sanctuary has maintained consistently high night-sky quality across all monitored sites. MPSAS readings from 2019/20 through 2025 show only minor variation, with Dinosaur Canyon (1.0) ranging from 21.70 to 21.68, The Jump-Up Base (2.0) from 21.69 to 21.73 and the western side (3.0) from 21.67 to 21.67. These values consistently exceed the 21.5 MPSAS threshold, indicating that the Sanctuary has retained excellent dark-sky conditions suitable for astronomical observation. Slight fluctuations are evident between years and sites, likely reflecting normal seasonal and meteorological influences rather than long-term degradation. Temperatures across the sites have varied annually, with the western side consistently warmer, which may contribute to minor differences in measured sky brightness.

Table 5 Dinosaur Canyon SQM 1.0 (-22.481956, 143.171739)

	Period	MPSAS 9pm to 4am monthly average	Standard deviation monthly average	Total monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly % readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.75 MPSAS	9pm to 4am monthly % readings ≥21.75 MPSAS
2025	**Jan**	20.72	0.94	895	737	55	587	44
	Feb	20.23	1.76	800	601	50	513	43
	Mar	19.80	1.56	962	675	51	632	47
	Apr	20.15	1.01	826	600	47	465	36
	May	20.05	1.11	984	656	59	518	39
	Jun	20.00	0.98	1,056	654	51	386	30
	Jul	18.72	1.15	971	606	45	380	29
	Aug	21.96	0.15	766	585	44	509	38
	Sep	20.48	0.80	966	730	59	677	52
	Oct	20.69	0.91	986	761	59	739	55
	Nov	20.79	1.63	921	757	59	703	54
	Dec	20.58	1.64	880	753	56	726	54

Table 6 The Jump-Up base SQM 2.0 (-22.463273, 143.193474)

	Period	MPSAS 9pm to 4am monthly average	Standard deviation monthly average	Total monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly % readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.75 MPSAS	9pm to 4am monthly % readings ≥21.75 MPSAS
2025	Jan	20.74	0.91	925	765	57	656	49
	Feb	19.93	1.97	801	603	50	572	48
	Mar	19.45	1.61	950	672	50	632	47
	Apr	20.02	1.12	922	633	49	542	42
	May	20.08	1.17	1,093	693	52	598	45
	Jun	20.16	0.94	1,087	683	53	610	47
	Jul	20.29	1.26	1,140	729	55	669	50
	Aug	20.44	0..84	1,101	742	56	671	50
	Sep	20.50	0.80	1,046	742	58	710	55
	Oct	20.58	1.04	996	766	57	730	55
	Nov	20.65	1.73	914	748	58	673	52
	Dec	20.35	1.95	883	744	56	711	53

Table 7 The Jump-Up western side SQM 3.0 (-22.483736, 143.148186)

	Period	MPSAS 9pm to 4am monthly average	Standard deviation monthly average	Total monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.5 MPSAS	9pm to 4am monthly % readings ≥21.5 MPSAS	9pm to 4am monthly no. readings ≥21.75 MPSAS	9pm to 4am monthly % readings ≥21.75 MPSAS
2025	Jan	20.57	1.03	883	738	55	537	40
	Feb	20.04	1.75	781	593	49	518	43
	Mar	19.60	1.59	942	676	51	606	45
	Apr	20.01	1.06	841	608	47	450	35
	May	20.00	1.13	1,033	672	50	516	39
	Jun	20.04	0.95	1,069	670	52	428	33
	Jul	20.19	1.21	1,124	717	54	516	39
	Aug	20.34	0.86	1,055	720	54	591	44
	Sep	20.43	0.80	1,003	734	57	692	54
	Oct	20.58	0.97	985	760	57	720	54
	Nov	20.66	1.65	908	749	58	653	51
	Dec	20.46	1.74	873	742	56	696	52

Lighting compliance

What actions have you taken to meet the requirements of your Lighting Management Plan during this reporting period?

All lighting on The Jump-Up Dark-Sky Sanctuary fully adheres to the Museum's Lighting Management Plan and complies with IDA regulations, as outlined in *Table 8*. No specific actions were required during this reporting period as the existing Lighting Management Plan (LMP) has been met and maintained. All lighting remains compliant with dark-sky standards, ensuring minimal impact on night-sky quality.

Table 8 Summary of lighting compliance	
Year of certification	2019
Compliance % in original application	90%
Current compliance %	100%
Anticipated % for next reporting period	100%

Were any new lighting projects completed this year? If so, please describe.

No new lighting projects were completed over the reporting period.

Outreach, education and media

Summarise all outreach efforts from the past reporting period.

During the reporting period the Museum delivered 214 Deep-Time Astronomy events, attracting 3,013 visitors. These tours included educational content on light pollution, the effects of lighting on wildlife, and the visibility of celestial phenomena, with hands-on demonstrations of shadows cast by starlight alone. Visitors also observed faint nebulae, zodiacal light, and galaxies, with notable events including Comet C/2024 G3 (ATLAS) in January and a total lunar eclipse on 8 September.

From 20–21 March Education & Astronomy Manager Grant Salmond attended the Australasian Dark Sky Alliance Symposium in Melbourne and co-hosted a workshop on Dark Sky Placemaking with Garreth Davies. The proceedings were published (ISBN: 978-9-69-719249-6) and the symposium had over 300 attendees.

The Museum engaged in joint social media promotions with the Cosmos Centre in Charleville and Carol Redford from Astrotourism WA, showcasing different night skies to a wider audience.

Astronomy played a key role in the Museum's dinosaur digs in May and August, with lectures and telescope sessions led by Education & Astronomy Manager Grant Salmond at Elderslie Station. The Dark Sky Serenade opera event by Opera Queensland at Dinosaur Canyon drew a record 500 guests, providing a unique experience of opera under the stars.

Additional outreach efforts included the creation of staff-training videos, contributions to the Australasian Dark-Sky Alliance newsletter and regular articles in the Museum's member newsletter. The Museum also maintained a strong social media presence, sharing videos and images from the Sanctuary to engage a broader audience.

A summary of the Museum's events is available in *Table 9*, while *Table 10* provides a detailed breakdown of each event and its educational impact.

Table 9 Summary of events held at The Jump-Up Dark-Sky Sanctuary	
Outreach summary	
Total number of events	219
Number of unique efforts* offered	1
Total number of attendees for all events	3,569

Note: "unique efforts" offered represent the number of different programs at your site.

Table 10 Detailed list of events held at The Jump-Up Dark-Sky Sanctuary

Date	Description	Number of attendees	Describe how you engaged with and educated your audience
Jan to Dec 2025	**1. Guided tours of the Gondwana Stars Observatory** Observatory tours run for one hour, are self-drive from Winton and are capped at 25 visitors per tour.	3,013	All Deep-Time Astronomy tours are crafted to be immersive and interactive sessions facilitated by visitors specially trained Museum Tour Guides. This approach allows visitors to pursue intriguing lines of inquiry based on the seasonal night sky.
23 Apr 2025	**2. Winton's Night Trek – Chasing the Dark** In April Winton's Night Trek – Chasing the Dark took place, bringing together local volunteer citizen scientists, Museum staff and Winton Shire Council representatives to collect sky-brightness data and assess light pollution in the area.	4	Using sky-quality meters, we collected readings of the darkness of our skies and we're thrilled to announce that Winton is now officially on the globeatnight.org map. We collected readings along Nisbit Street.
15 May 2025	**3. Dark Sky Serenade, Opera Queensland** The Dark Sky Serenade, part of Opera Queensland's Festival of Outback Opera, was held for the fourth consecutive year at The Jump-Up Dark-Sky Sanctuary in Winton. Despite the town's modest population of around 850, the event attracted an impressive audience of 500.	500	The annual Dark Sky Serenade event promoted the night skies, crystal-clear air and music in regional Queensland and is marketed heavily through Opera Queensland. All lighting installations were temporary and minimal for the safe performance of night-time tasks. Guests were introduced to the values of the International Dark-Sky Sanctuary before performances commenced.
9 August 2025	**4. Science Week** Science Week 2025 at The Jump-Up Dark-Sky Sanctuary featured Dr Anita Millroy alongside the Inspiring Australia Ambassador Scientists for Queensland: Dr Christina Zdenek, Luis Villega-Aguilar and David Corporal.	12	During this event at The Jump-Up Dark-Sky Sanctuary we educated our audience through daytime solar telescope activities and evening programs led by astrophysicists, including hands-on activities, interactive presentations and direct engagement with scientists.
May and Aug 2025	**5. Dig astronomy lectures** Astronomy lectures by Education & Astronomy Manager Grant Salmond for Dig-A-Dino participants in the field were accompanied by telescope viewing opportunities.	40	The lectures' intimate and informal group settings allowed for a personalised learning experience, fostering a deeper understanding of the significance of preserving the night sky. Additionally, telescope viewing opportunities were integrated into the lectures, offering hands-on experiences and further enhancing the educational impact on participants.

Education & Astronomy Manager Grant Salmond at the Australasian Dark Sky Alliance Symposium in Melbourne.

How did you promote the IDA and its mission during your outreach programs/events?

The Museum promoted DarkSky International and its mission through the following outreach strategies.

- During tours of the Gondwana Stars Observatory and day tours of the *March of the Titanosaurs* exhibition an explanation of what an International Dark-Sky Sanctuary is and the importance of protecting the dark sky is provided to visitors. Excerpt from *6.5 AAOD Tour Procedures*: “In the next ten years one of every 15 points of light in the night sky will be a moving artificial satellite. We invite you to take a moment to imagine what future night skies will look like. We are custodians of the night and it will be our legacy. Thank you for coming to the Gondwana Stars Observatory tonight and helping us continue to preserve this International Dark-Sky Sanctuary.”
- All tours of the Gondwana Stars Observatory include a booking confirmation with the following information: “The Jump-Up Dark-Sky Sanctuary was designated an International Dark-Sky Sanctuary in April 2019. Sanctuaries are the most remote (and often darkest) places in the world with the most fragile states of conservation. To learn more about how you can protect the night sky, visit https://www.darksky.org/”.
- The Museum website includes the International Dark-Sky Association logo on its footer.

Is there any programing ongoing or planned blending of the arts and/or culture with dark skies?

The blending of arts and culture with dark skies is an ongoing initiative. On Thursday 15 May The Jump-Up Dark-Sky Sanctuary hosted Dark Sky Serenade as part of Opera Queensland’s Festival of Outback Opera.

What have you noticed about your visitors’ experiences? For example, is attendance/visitation of dark-sky programs consistent, growing, or dropping off? Have visitors provided any feedback on their experiences at your site?

Visitation to the Gondwana Stars Observatory is growing rapidly, rising from a few hundred visitors in 2022 to 3,013 in 2025, with further growth expected over the next year. While overall visitation across Outback Queensland has declined, dark-sky tourism and interest in the Sanctuary continue to increase. Visitor feedback has been overwhelmingly positive, with many highlighting the unique content and immersive tour experience that deepens their interest in astronomy. Guests are often struck by the area's exceptional darkness, frequently comparing it to their home night skies and expressing surprise at the impact of light pollution on their view of the stars.

Dig-A-Dino participants at a telescope viewing session in the field.

Promotions and media relations

Has your Place participated in any IDA-led initiatives such as International Dark-Sky Week, the Under One Sky conference, or other relevant promotions during this reporting period?

In March Education & Astronomy Manager Grant Salmond attended the Australasian Dark Sky Alliance Symposium in Melbourne and co-hosted a workshop on Dark Sky Placemaking with Garreth Davies.

In April we joined the celebration of International Dark Sky Week by sharing Facebook posts focused on light pollution and the importance of preserving the night sky. Throughout the year the astronomy team consistently supported the Australasian Dark Sky Alliance by promoting their social media to raise awareness about light pollution.

How has your Place been promoted?

The Jump-Up Dark-Sky Sanctuary has continued to receive outstanding regional and national coverage following its designation as an International Dark-Sky Sanctuary. This has included features across radio, TV, podcasts, online platforms and print media. The Museum has maintained a strong social-media presence, consistently highlighting the benefits of dark skies and promoting ways to prevent light pollution.

Briefly describe how educational materials are being dispersed/provided at your Place.

The Museum regularly features information about The Jump-Up Dark-Sky Sanctuary in its social-media posts and Museum member newsletters. The Museum Shop offers educational materials on the southern sky, constellations and light pollution, allowing visitors to take home insights into the region's dark-sky environment.

Briefly describe any efforts undertaken to reach new audiences. If this was not part of your efforts last year, describe what you plan to do to engage new visitors in the 2025 reporting period:

- The Museum has partnered with Winton Shire Council to help them become Queensland's first International Dark-Sky Community. This collaboration includes establishing a sky monitoring program, developing a lighting-management policy, and advocating for dark-sky preservation.
- To support local engagement the Museum offers 50% off Observatory tours for locals, Prep-A-Dino participants, work-experience students and interns, as well as free tours for current Museum staff members.
- In addition, the Museum has developed comprehensive staff-training videos, available on its training portal. These videos cover the Deep-Time Astronomy tour, the significance of being an International Dark-Sky Sanctuary and the measures taken to preserve this designation.
- The Museum also regularly shares articles and content on light pollution and night-sky observations through its member newsletter and social-media channels, reaching a broad international audience.

In December the Museum partnered with Winton Shire Council to host a stall at the Christmas market, engaging residents and educating them about Winton's efforts to become a Dark-Sky Community.

Are there any ongoing conservation and/or research programs at the site? If so, who runs them, and what are the goals?
The Museum's Dinosaurs to Dunnarts program, ongoing since 2009, engages visitors as citizen scientists, enabling them to contribute valuable data to iNaturalist for long-term conservation efforts. To date the program has identified 924 species through 4,344 observations and 8,167 identifications. Its primary objective is the continuous conservation of the site through active monitoring.

Partnerships
Have you worked with any external partners to promote the dark-sky movement within and outside of your Place's boundaries? If so, identify these partners and explain the result of this collaboration.
The Museum is collaborating with Winton Shire Council to conduct a comprehensive lighting audit and catalogue the lighting in the township. In addition, the astronomy team has completed a sky-brightness survey of the town.

The Museum has also sponsored the "Valuing Darkness – Solving Light Pollution" symposium organised by the Australasian Dark Sky Alliance. This initiative will culminate in the Museum co-hosting a workshop on dark-sky place-making in March 2025.

Future
Provide a brief description of how you will continue to manage "threats" over the next year.
In the Museum's International Dark-Sky Sanctuary application, the identified threat to certification was private development. However, given The Jump-Up's remote location, it faces few risks to its dark-sky status. Its isolation from the nearest urban centre means that light pollution is minimal, and public lighting is controlled by the Museum, adhering to QPR, QEPA, AS 4282 and IDA regulations. The majority of private land titles in Winton Shire consist of large pastoral blocks, making development rights and subdivision challenging. While pastoral homesteads are located well away from The Jump-Up Dark-Sky Sanctuary, property owners wishing to install lighting infrastructure within 10km of The Jump-Up will be encouraged to follow IDA regulations. Additionally, a revised Lighting Management Plan will be submitted to the IDA.

Briefly describe future plans (in 2026 and beyond) to engage with existing and new partners and how you will expand the dark-sky movement.

In 2026 and beyond the Museum aims to increase the frequency of Deep-Time Astronomy tours, targeting a minimum of 4,000 visitors per annum to the Gondwana Stars Observatory. The strategy includes hosting regular tours and partnering with third-party agencies to create exclusive night-tour packages, such as catered twilight tours. Additionally, the cloudy-night tour has been adapted to offer an inclement-weather alternative, focusing on the seasonal night sky of The Jump-Up in the theatre for Gondwana Stars Observatory tours.

Over the next year the Museum will continue supporting Winton Shire Council's bid to become Queensland's first DarkSky International Community, establishing the region as a vital hub for dark-sky tourism in Outback Queensland. The data from the SQM 4.0 meter in Winton, alongside readings from the western side of The Jump-Up (SQM 3.0), will be used to monitor light-pollution trends and assess relative sky quality, as outlined in *Tables 25* to *48*. Looking ahead, the Museum aims to establish a Dark-Sky Chapter for Outback Queensland, providing expertise and assistance to local communities seeking to preserve their dark skies and achieve dark-sky certification.

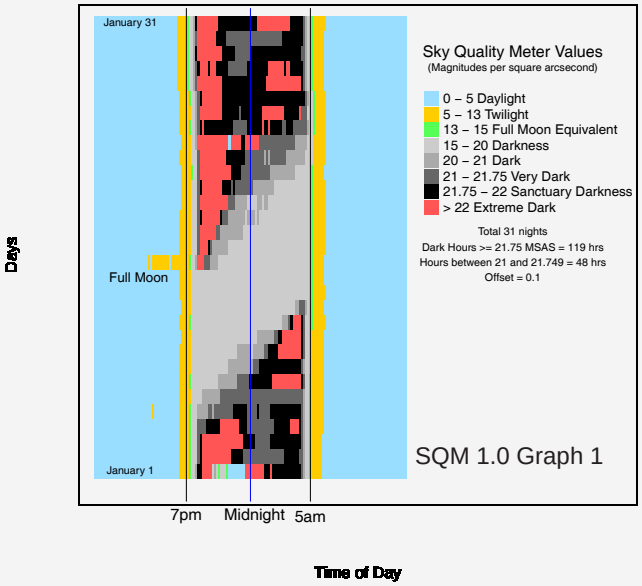
Additional information

What do you consider the greatest single benefit of the IDA certification to your location?

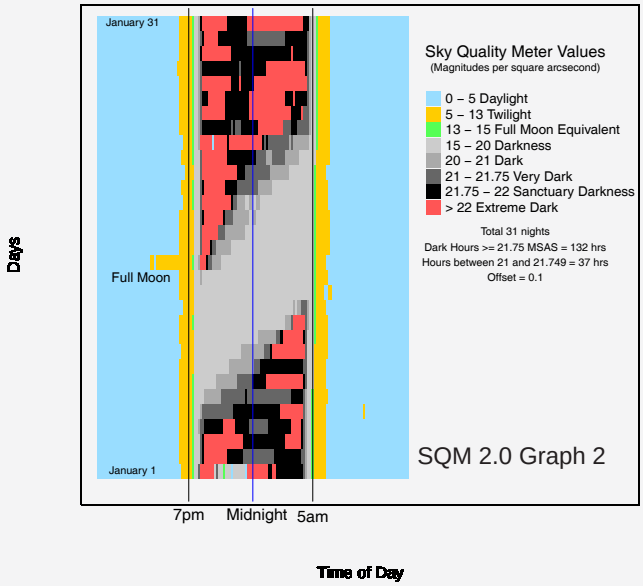
The most significant benefit of The Jump-Up's IDA certification is the assurance it gives visitors, validating the authenticity of their dark-sky experience. Dark-sky tourism, an emerging and sustainable environmental trend, focuses on experiencing light-pollution-free skies, providing unique and memorable encounters. This niche sector is especially crucial for remote regions like Winton, enabling the area to leverage its pristine dark skies to create economically sustainable tourism experiences. These often involve overnight stays, boosting local tourism and inspiring other towns and attractions in the region to embrace dark-sky preservation and follow suit.

Monthly sky-darkness graphs comparing **SQM 1.0 at Dinosaur Canyon** with **SQM 2.0 at the base of The Jump-Up**.

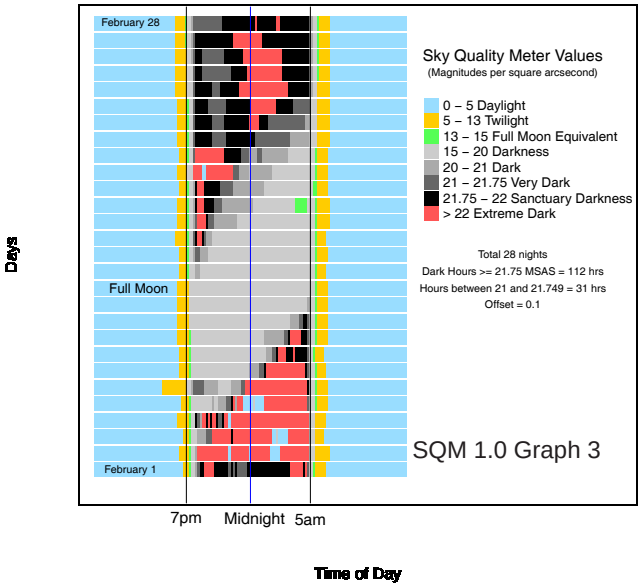
Sky Darkness Plot January 1 to January 31, 2025
Dinosaur Canyon SQM 1.0



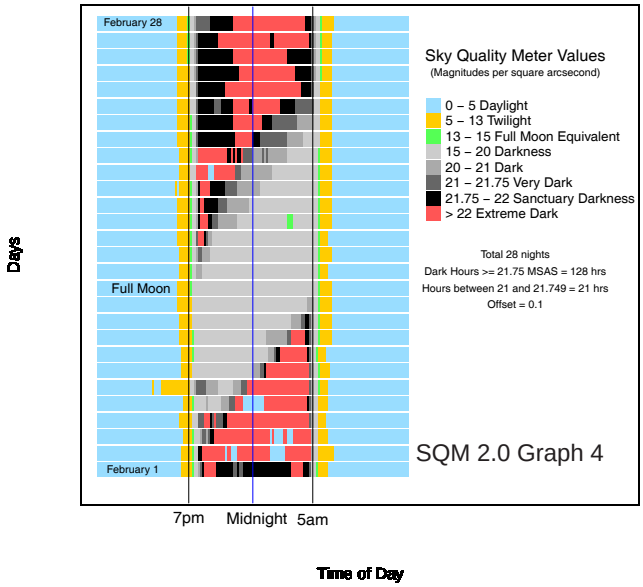
Sky Darkness Plot January 1 to January 31, 2025
Base SQM 2.0



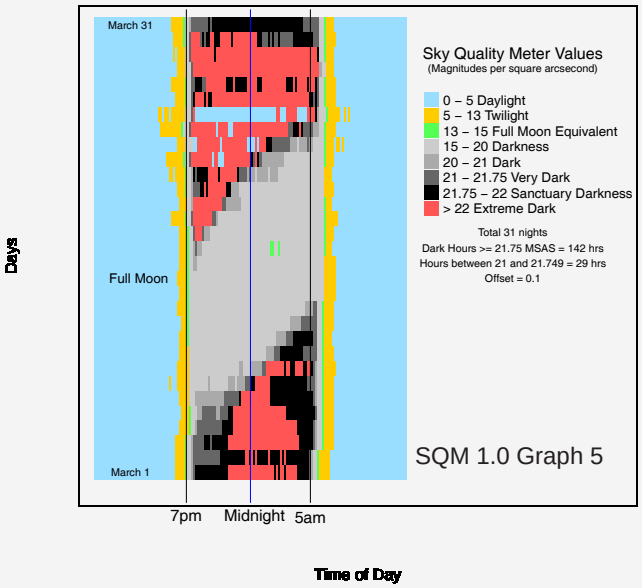
Sky Darkness Plot February 1 to February 28, 2025
Dinosaur Canyon SQM 1.0



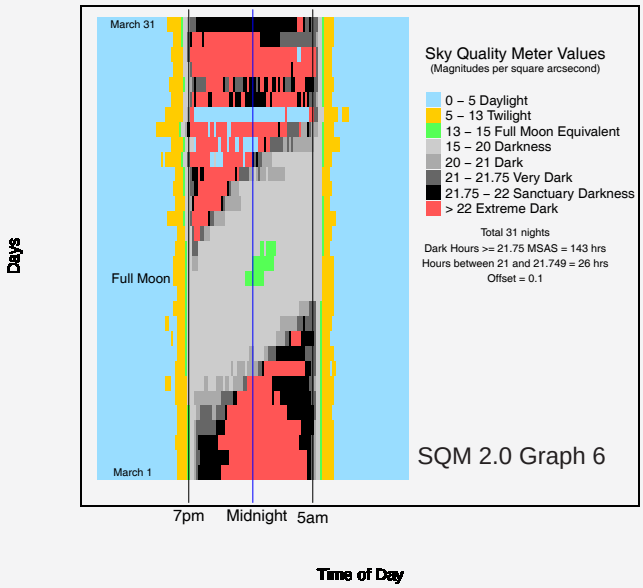
Sky Darkness Plot February 1 to February 28, 2025
Base SQM 2.0



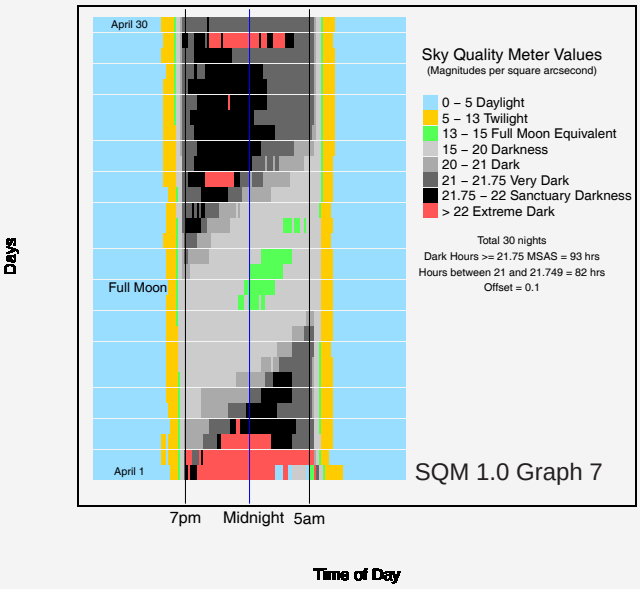
Sky Darkness Plot March 1 to March 31, 2025
Dinosaur Canyon SQM 1.0



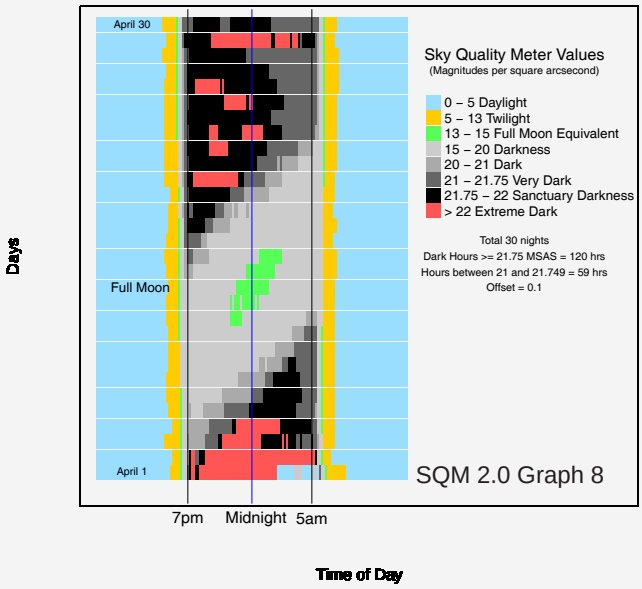
Sky Darkness Plot March 1 to March 31, 2025
Base SQM 2.0



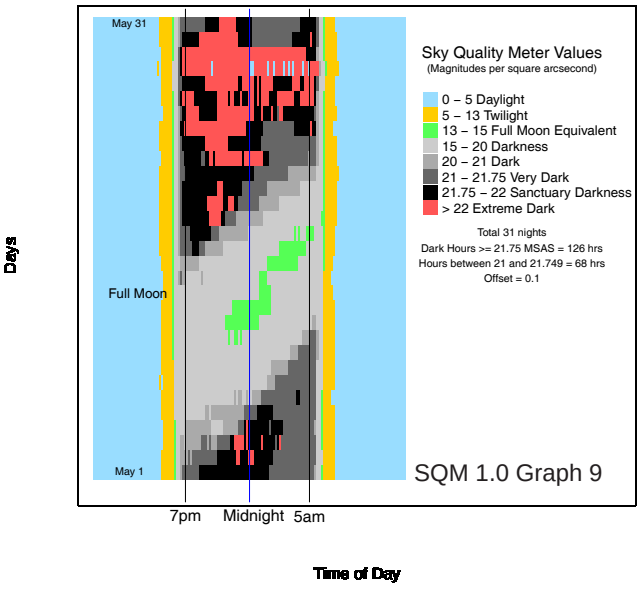
Sky Darkness Plot April 1 to April 30, 2025
Dinosaur Canyon SQM 1.0



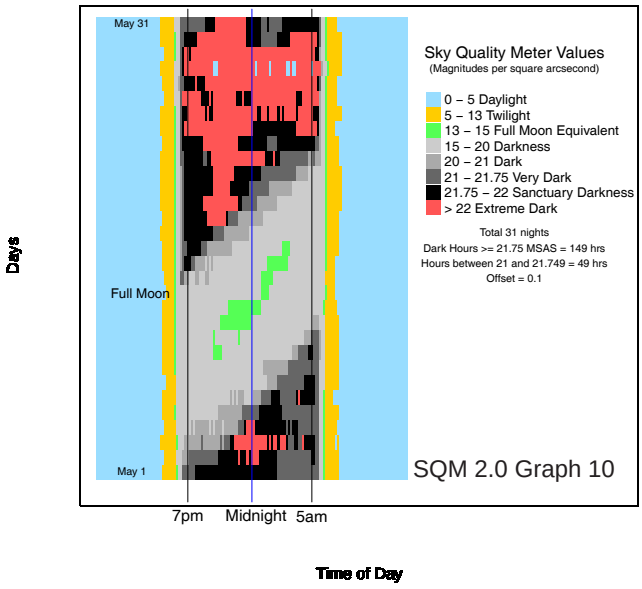
Sky Darkness Plot April 1 to April 30, 2025
Base SQM 2.0



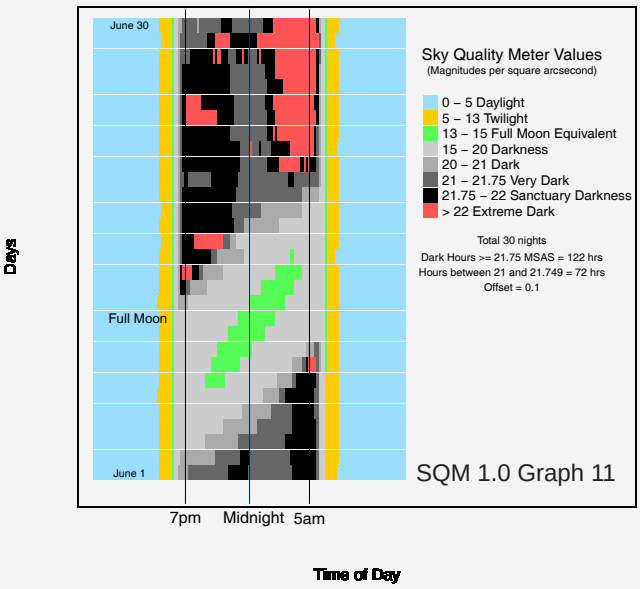
Sky Darkness Plot May 1 to May 31, 2025
Dinosaur Canyon SQM 1.0



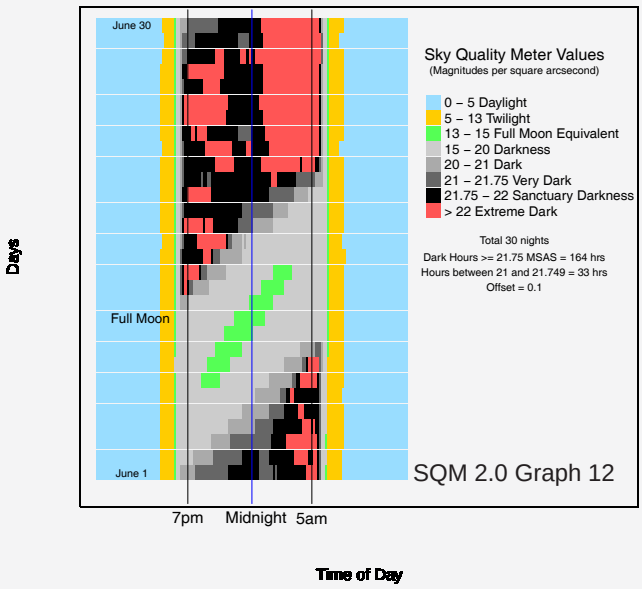
Sky Darkness Plot May 1 to May 31, 2025
Base SQM 2.0



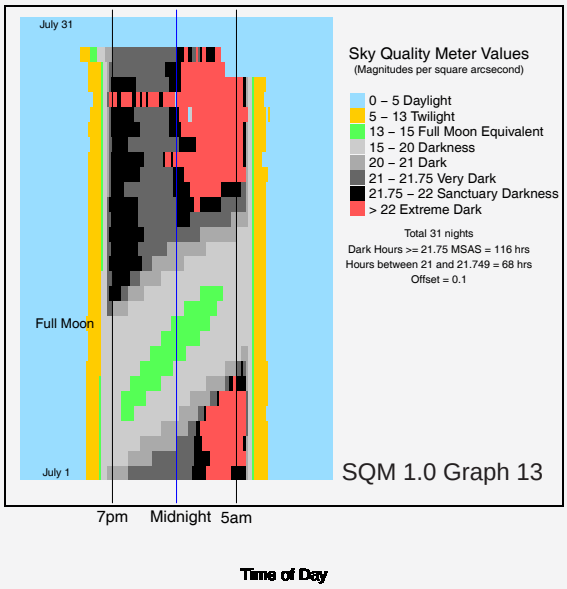
Sky Darkness Plot June 1 to June 30, 2025
Dinosaur Canyon SQM 1.0



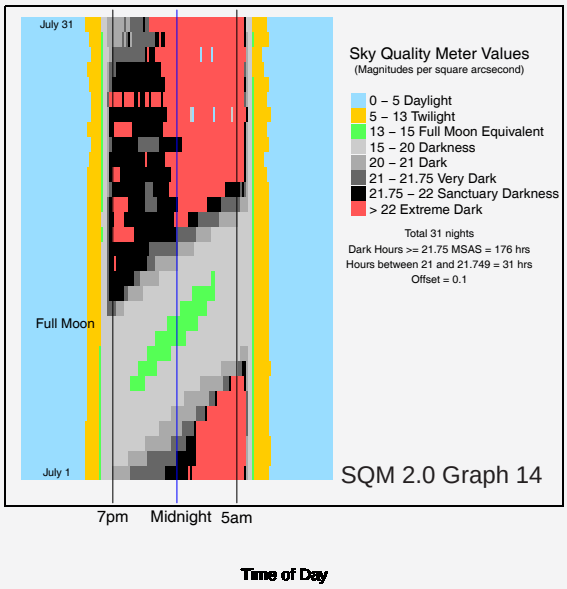
Sky Darkness Plot June 1 to June 30, 2025
Base SQM 2.0



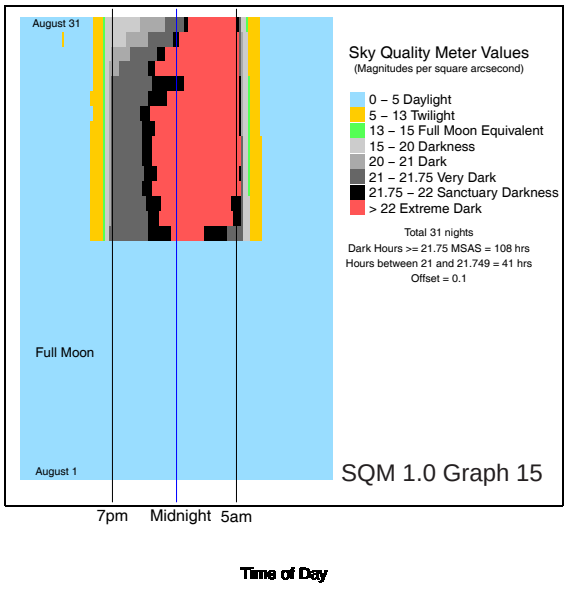
Sky Darkness Plot July 1 to July 31, 2025
Dinosaur Canyon SQM 1.0



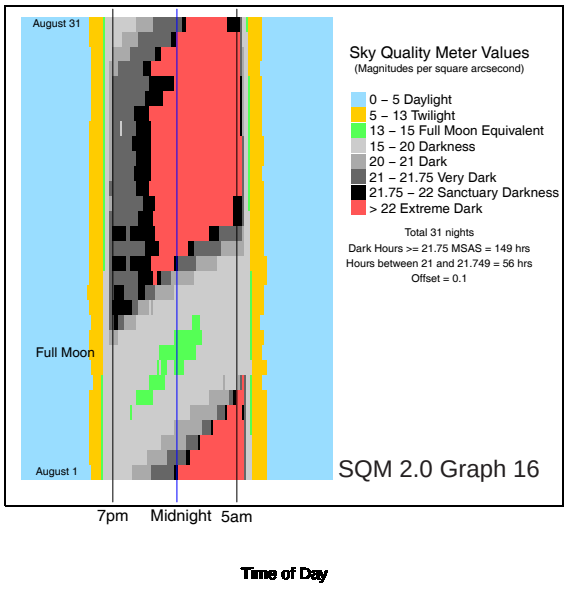
Sky Darkness Plot July 1 to July 31, 2025
Base SQM 2.0



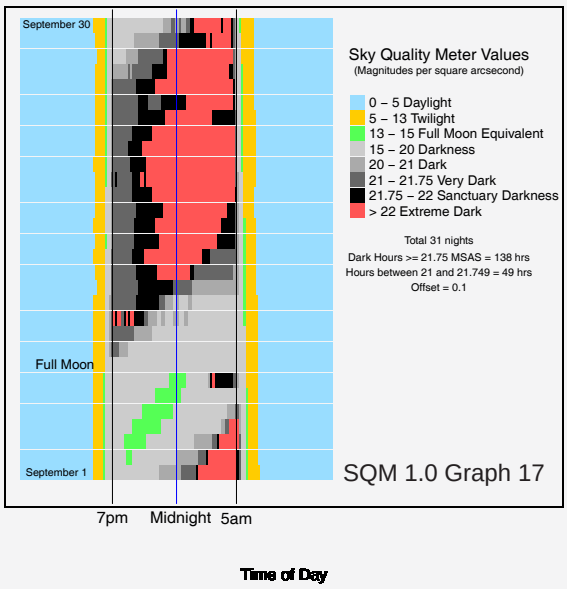
Sky Darkness Plot August 1 to August 31, 2025
Dinosaur Canyon SQM 1.0



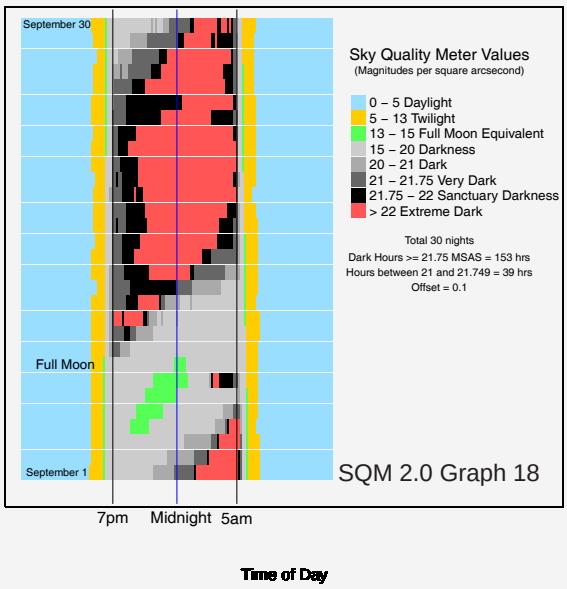
Sky Darkness Plot August 1 to August 31, 2025
Base SQM 2.0



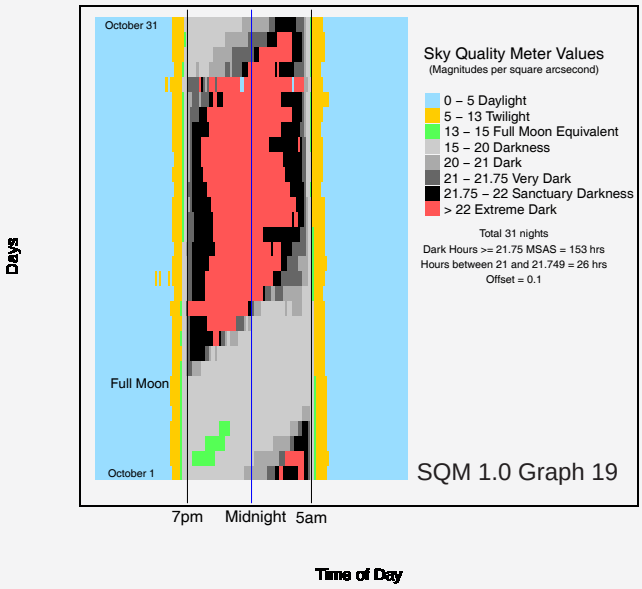
Sky Darkness Plot September 1 to September 30, 2025
Dinosaur Canyon SQM 1.0



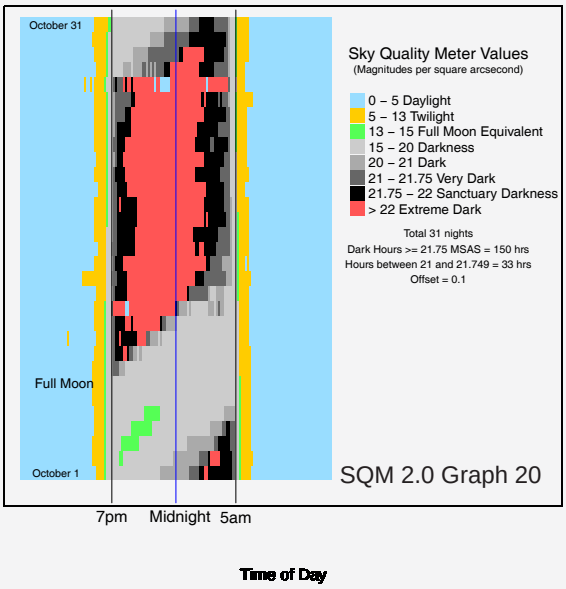
Sky Darkness Plot September 1 to September 30, 2025
Base SQM 2.0



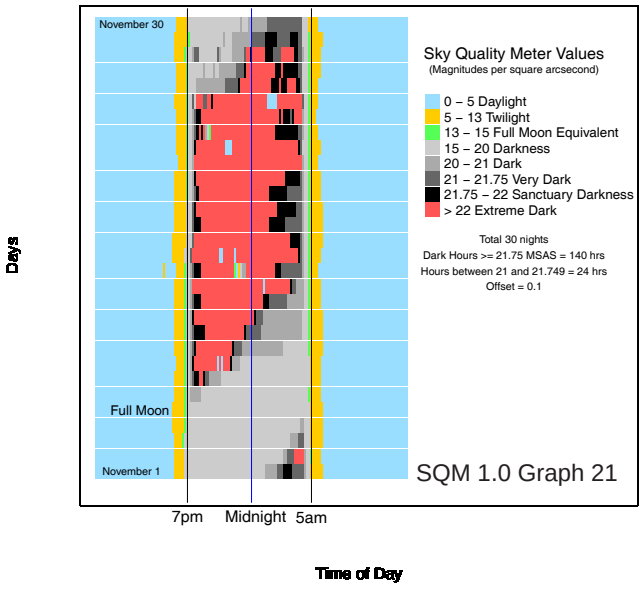
Sky Darkness Plot October 1 to October 31, 2025
Dinosaur Canyon SQM 1.0



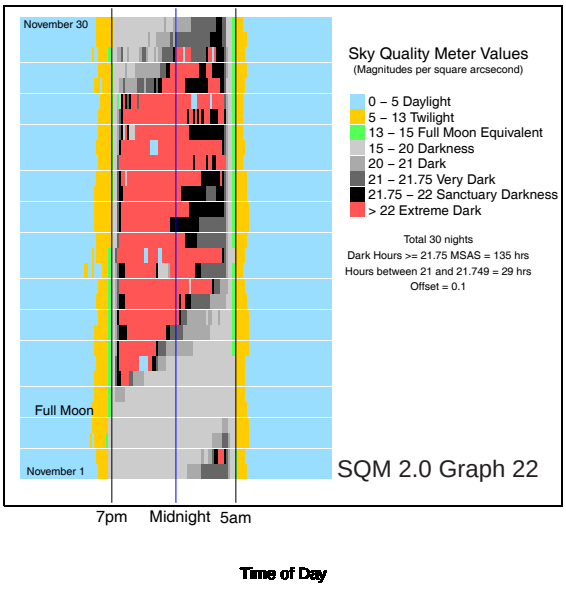
Sky Darkness Plot October 1 to October 31, 2025
Base SQM 2.0



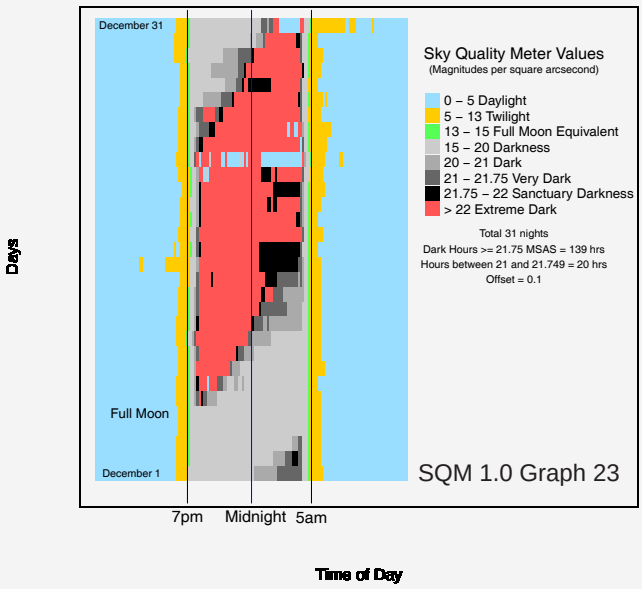
Sky Darkness Plot November 1 to November 30, 2025
Dinosaur Canyon SQM 1.0



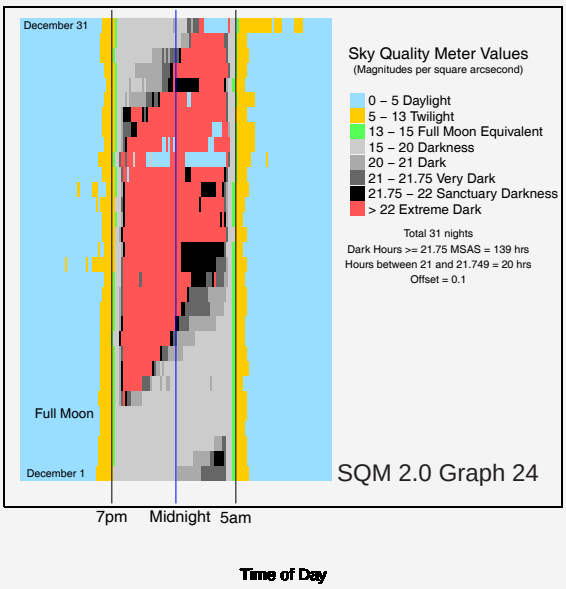
Sky Darkness Plot November 1 to November 30, 2025
Base SQM 2.0



Sky Darkness Plot December 1 to December 31, 2025
Dinosaur Canyon SQM 1.0

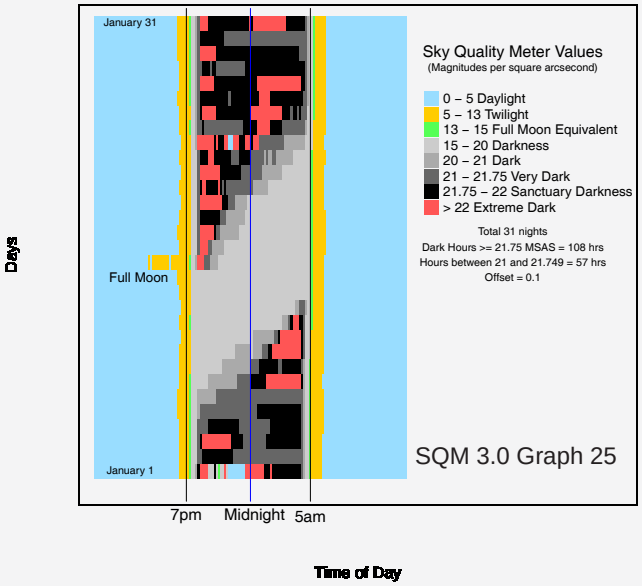


Sky Darkness Plot December 1 to December 31, 2025
Base SQM 2.0

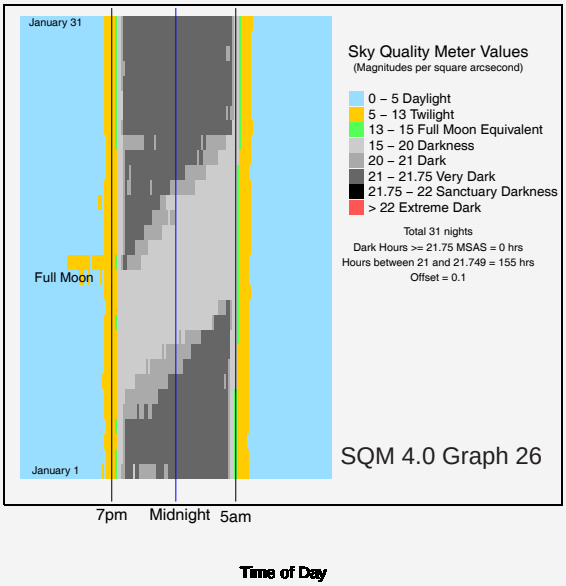


Monthly sky-darkness graphs comparing **SQM 3.0 on the western side of The Jump-Up** with **SQM 4.0 at Oondooroo Street in Winton**.

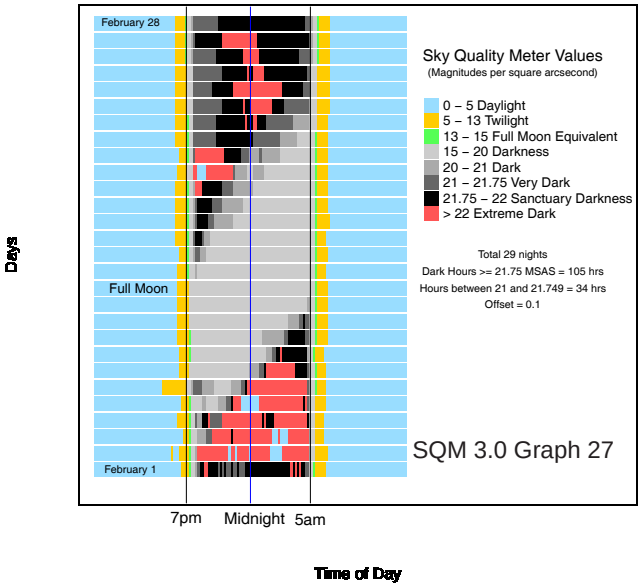
Sky Darkness Plot January 1 to January 31, 2025
Western Side SQM 3.0



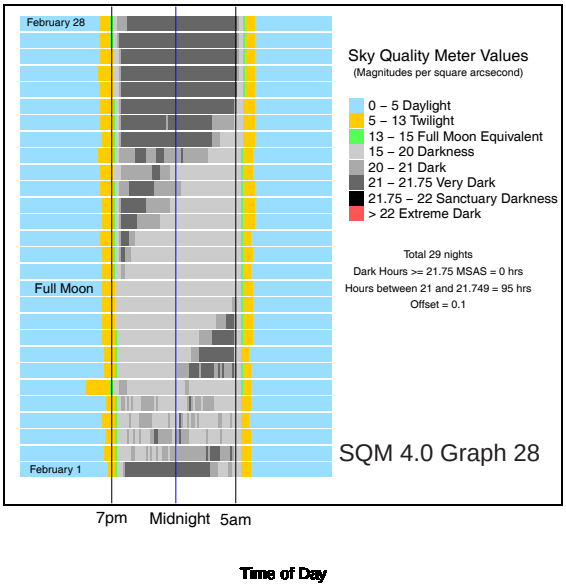
Sky Darkness Plot January 1 to January 31, 2025
Oondooroo St SQM 4.0



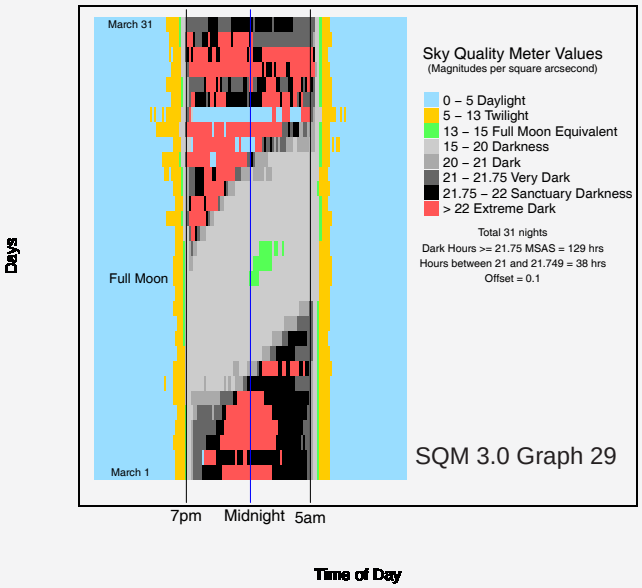
Sky Darkness Plot February 1 to February 29, 2025
Western Side SQM 3.0



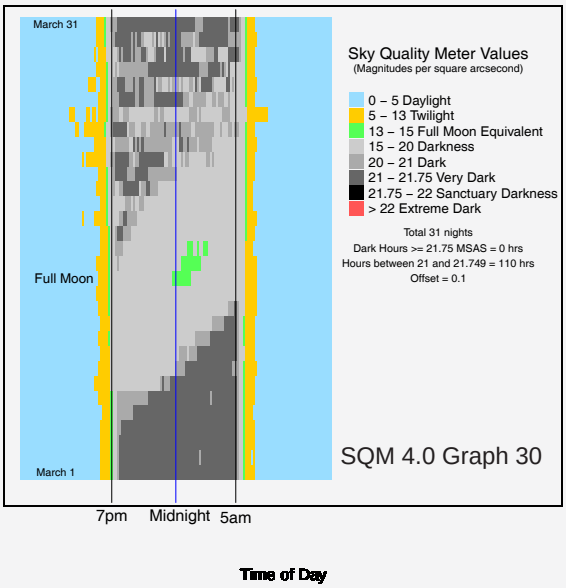
Sky Darkness Plot February 1 to February 28, 2025
Oondooroo St SQM 4.0



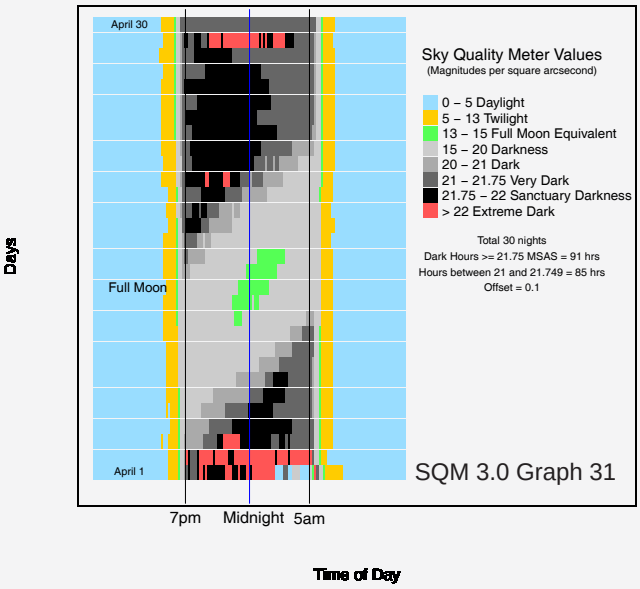
Sky Darkness Plot March 1 to March 31, 2025
Western Side SQM 3.0



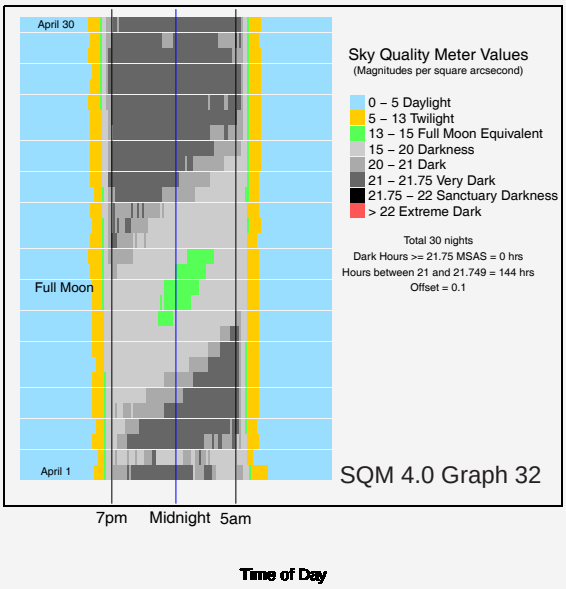
Sky Darkness Plot March 1 to March 31, 2025
Oondooroo St SQM 4.0



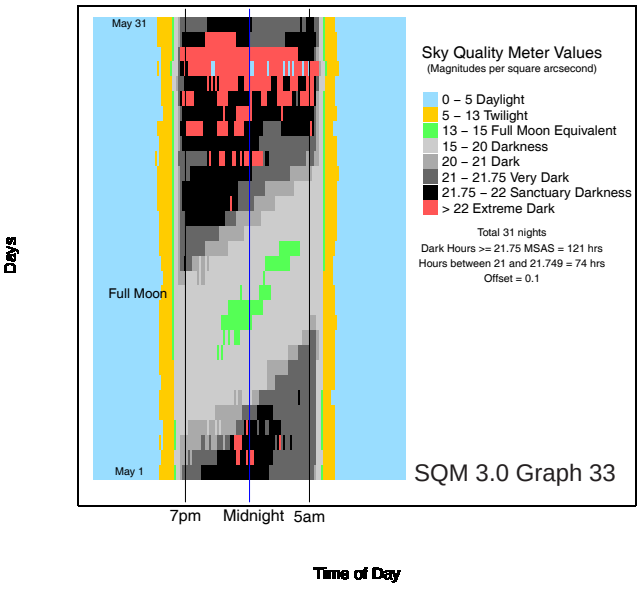
Sky Darkness Plot April 1 to April 30, 2025
Western Side SQM 3.0



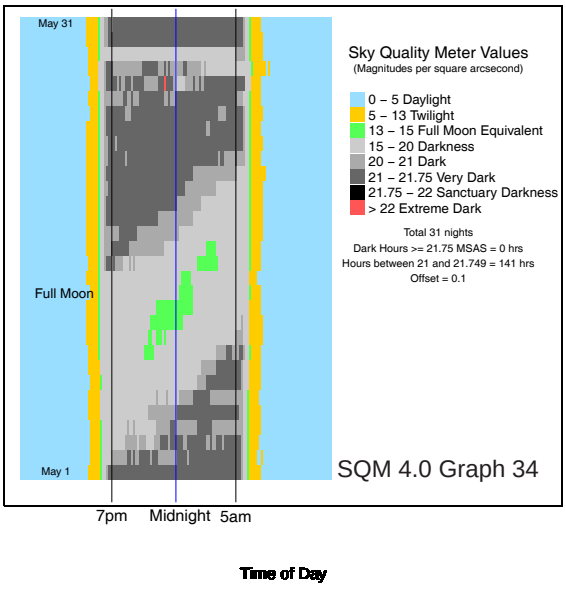
Sky Darkness Plot April 1 to April 30, 2025
Oondooroo St SQM 4.0



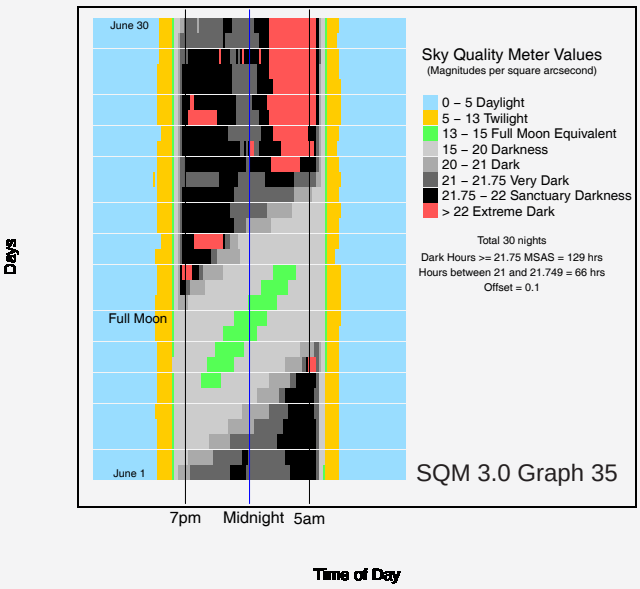
Sky Darkness Plot May 1 to May 31, 2025
Western Side SQM 3.0



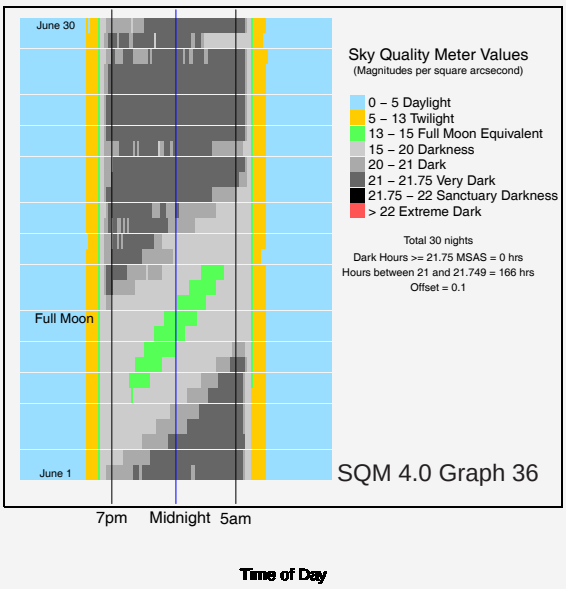
Sky Darkness Plot May 1 to May 31, 2025
Oondooroo St SQM 4.0



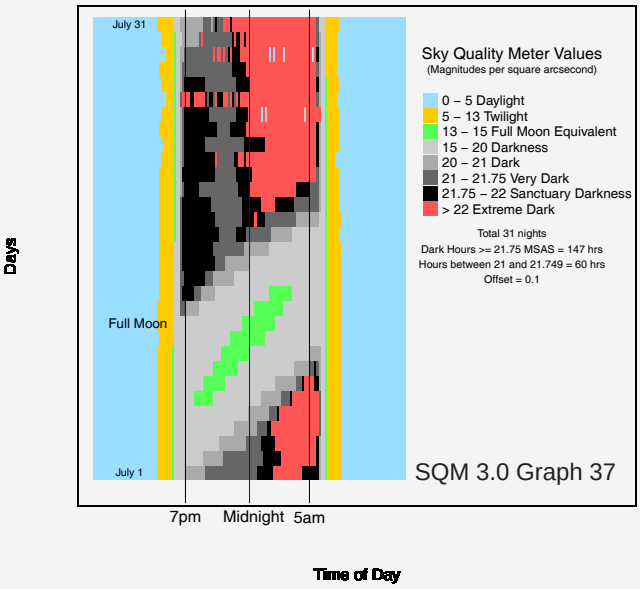
Sky Darkness Plot June 1 to June 30, 2025
Western Side SQM 3.0



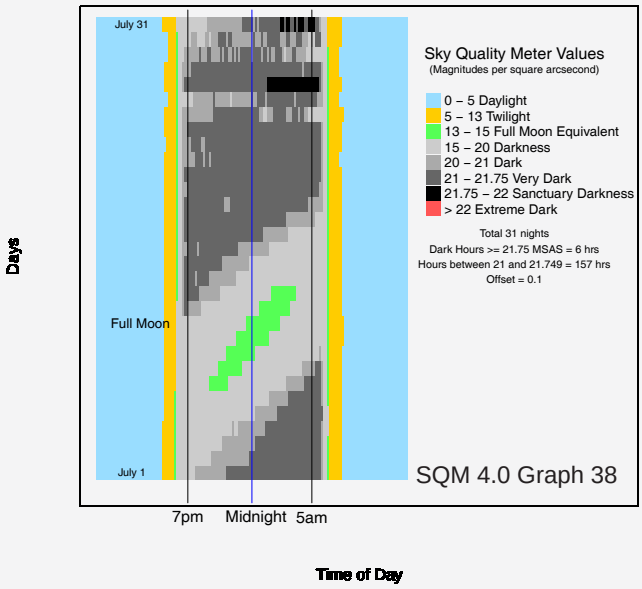
Sky Darkness Plot June 1 to June 30, 2025
Ondooroo St SQM 4.0



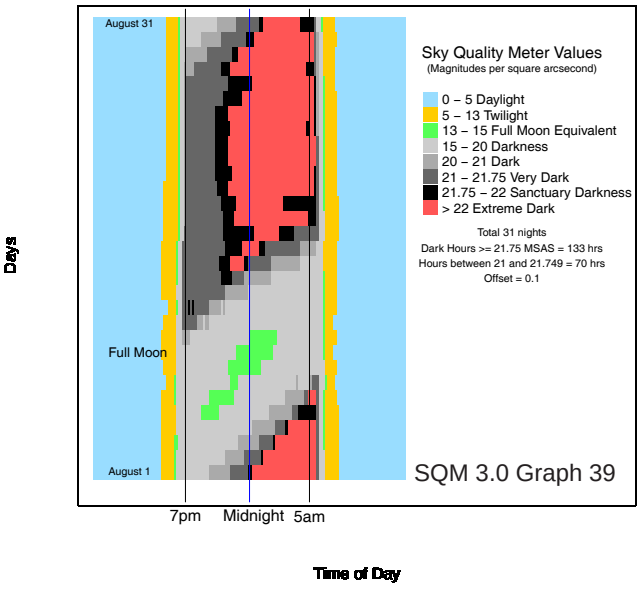
Sky Darkness Plot July 1 to July 31, 2025
Western Side SQM 3.0



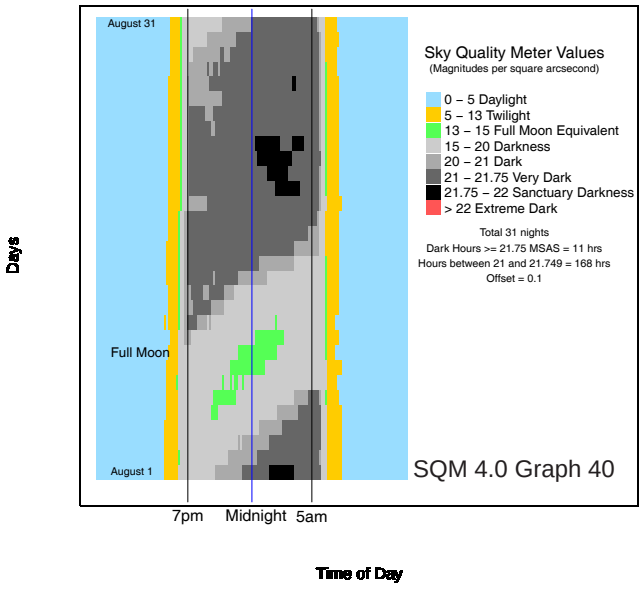
Sky Darkness Plot July 1 to July 31, 2025
Oondooroo St SQM 4.0



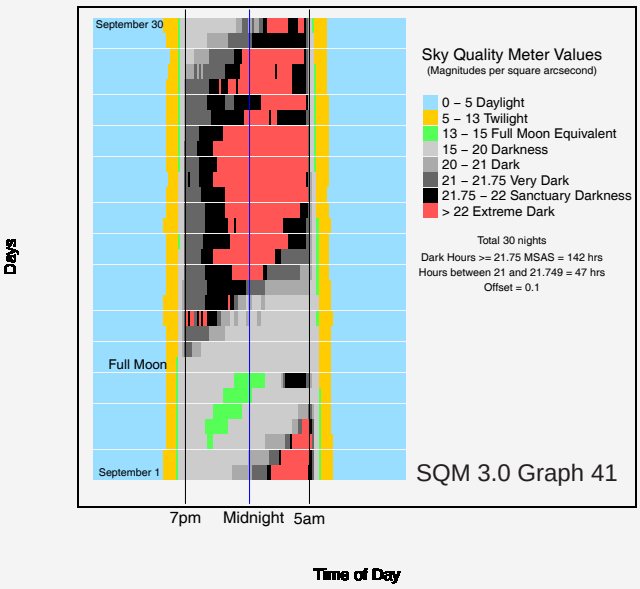
Sky Darkness Plot August 1 to August 31, 2025
Western Side SQM 3.0



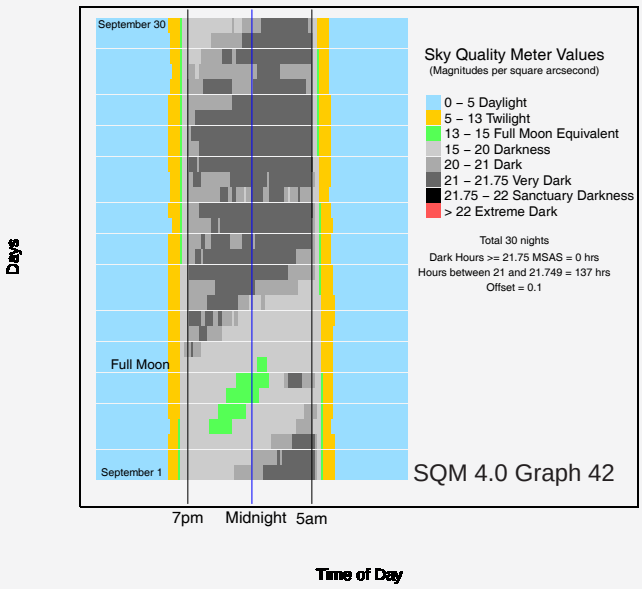
Sky Darkness Plot August 1 to August 31, 2025
Oondooroo St SQM 4.0



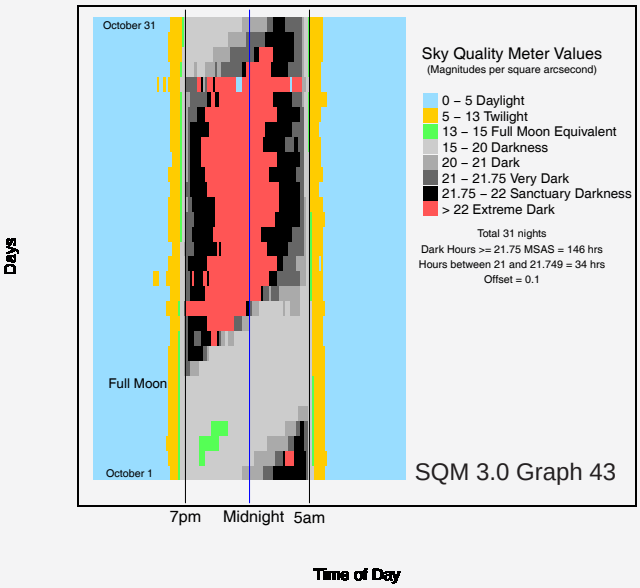
Sky Darkness Plot September 1 to September 30, 2025
Western Side SQM 3.0



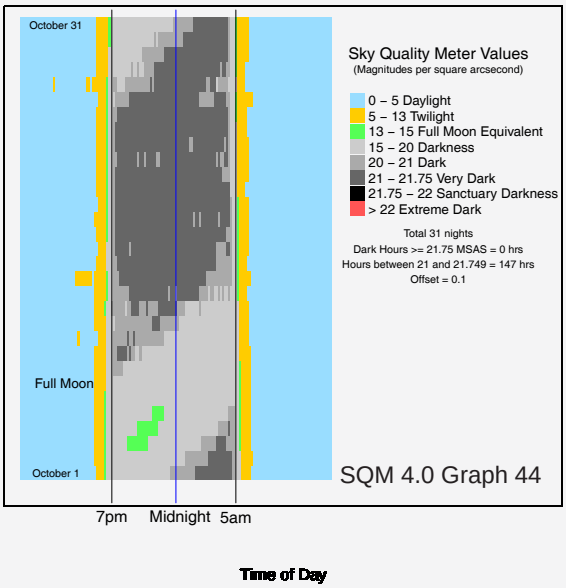
Sky Darkness Plot September 1 to September 30, 2025
Oondooroo St SQM 4.0



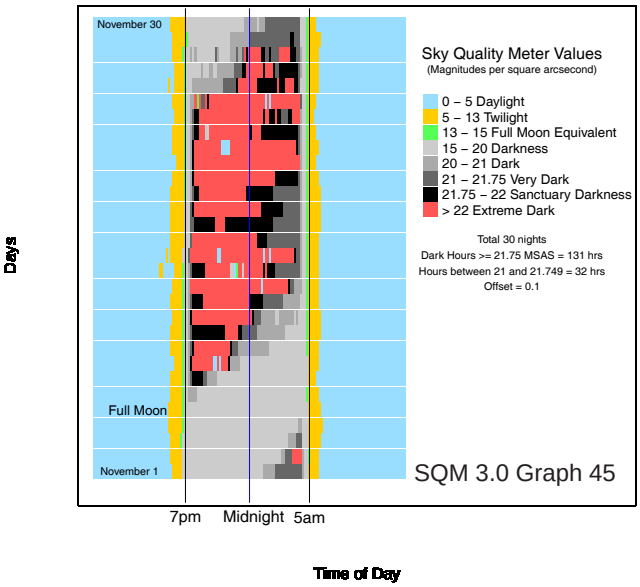
Sky Darkness Plot October 1 to October 31, 2025
Western Side SQM 3.0



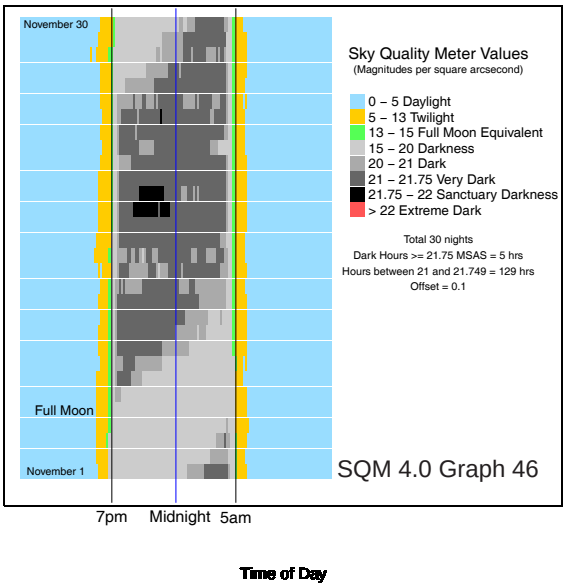
Sky Darkness Plot October 1 to October 31, 2025
Oondooroo St SQM 4.0



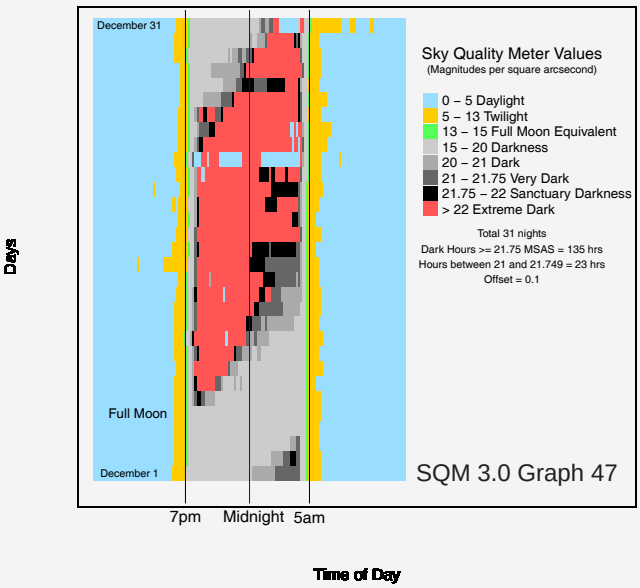
Sky Darkness Plot November 1 to November 30, 2025
Western Side SQM 3.0



Sky Darkness Plot November 1 to November 30, 2025
Oondooroo St SQM 4.0



Sky Darkness Plot December 1 to December 31, 2025
End Jump−Up SQM 3.0



Sky Darkness Plot December 1 to December 31, 2025
Oondooroo St SQM 4.0