



Arkaroola Astronomy Tours

Type of Tour	Direct Viewing	Indirect Viewing via
Observatory	 <p style="text-align: center;">Dodwell Observatory Sir Mark Oliphant Observatory</p>	 <p style="text-align: center;">Ningana Imaging Observatory</p>
Constructed	1986 & 2003	2019
Location	Hilltops adjacent to village	in the Ningana Visitor Centre across from Reception
Access	A few minutes by tour vehicle	Short walk from Reception
Duration of tour	1½ to 2 hours, everyone arrives & leaves at the same time	1½ to 2 hours, each individual leaves when they want
Audience capacity	12 to 18 in each observatory	35+
Number of telescopes	1 C14 in each observatory	2, each fitted with a high-sensitivity camera; 1 x C14 telescope for wide field views 1 x C11 telescope for very small objects
Telescope size	14"	14" & 11"
Telescope Magnification	~100x	~43x & ~175x
Telescope Field of View	~0.5°	~1.5° & 0.3°
Camera size	-	16MP & 20MP
Viewing	through a telescope eyepiece one person at a time	live camera images projected on a large screen for everyone at the same time
Number of objects seen on tour	6 to 12 depending on audience size	12 to 24 depending on discussions
Appropriate for people with difficulties seeing or standing	No	Yes
See Moon and planets	Yes	Yes
See deep space objects	Yes	Yes
See objects in colour	Only bright objects	Yes
Able to zoom in on objects	No	Yes
Sample view to expect	