

## SASPAC 2022 Dates

Session	Date	Topic	Presenter
1	Wed 27th Jul 2022	Getting Acquainted with the Southern Sky: the movement of the sky, finding South Celestial Pole by 3 methods, the Ecliptic, introduction to the course website, Glossary & some Astronomy terms	Peter
<i>Observing 1 Waterfall/GPO</i>	<i>Sat 30th Jul 2022</i>	<i>Sun set 5:14 pm Moon set 6:29 pm, no Moon until next morning</i>	
2	Wed 3rd Aug 2022	Setting up Telescopes & Understanding Optics: simple diagrams on telescope optics, lenses, mirrors, eyepieces, mounts, adapters, batteries, automated telescopes, binoculars, different types of telescopes	Craig
3	Wed 10th Aug 2022	Observing Constellations from the Southern Hemisphere: Southern Hemisphere constellations, including the 13 Zodiac Constellations	Maree
4	Wed 17th Aug 2022	Observing the Solar System: the Moon, Planets, Dwarf Planets, Comets, Meteor Showers, Understanding Solar & Lunar Eclipses.	Craig
<i>Observing 2 Waterfall/GPO</i>	<i>Sat 20th Aug 2022</i>	<i>Sun set 5:28 pm Moon set 11:12 am, no Moon until next morning</i>	
5	Wed 24th Aug 2022	Observing Deep Sky Objects: Clusters, Nebulae, Novae, Super Novae & Galaxy classifications, using maps & catalogues & seeing deep sky through Observatory telescopes	Sandy
<i>Observing 3 Waterfall/GPO</i>	<i>Sat 27th Sep 2022</i>	<i>Sun set 5:33 pm Moon set 5:21 pm, no Moon until next morning</i>	
6	Wed 31st Aug 2022	Observing the Colour & Brightness of Stars: star colour, temperature, brightness (Magnitude), mass. The Hertzsprung-Russell Diagram, Intro to Spectroscopy	Maree
7	Wed 7th Sep 2022	Spectroscopy & Astro-Photography: basic concepts for the beginner	Ken
8	Wed 14th Sep 2022	Introduction to Big Bang Theory: Einstein's Equations (don't panic), Doppler effect, Leavitt & Hubble (expanding Universe), Hoyle/Penzias & Wilson (CMBR), Guth (Inflation), Big Bang Timeline, Dark Matter, Dark Energy, End of the Universe	Peter
<i>Observing 4 Waterfall/GPO</i>	<i>Sat 17th Sep 2022</i>	<i>Sun set 5:47 pm Moon set 9:47 am, no Moon until next morning</i>	
		Notes: <ul style="list-style-type: none"> <li>• School Holidays start Monday 26th Sept 2022</li> <li>• New Moons: Fri July 29, Sat Aug 27 &amp; Mon Sep 26th</li> <li>• Waterfall = Dark sky observing opportunity on a Saturday</li> <li>• GPO = Green Point Observatory, alternative site on a Saturday</li> </ul>	