WEEKLY SKY REPORT

September 6 - September 12, 2026

SPACE STATIONS

The International Space Station and the Chinese Tiangong have passes this week:
International Space Station
Sept 7 8:36pm South West, Altitude 20°; 8:38pm South East, Alt 41°; Magnitude -3.4
Sept 8 9:26pm West, Altitude 20°; 9:28pm North West, Altitude 34°; Magnitude -2.2
Sept 9 8:38pm South West, Altitude 20°; 8:40pm North West, Alt 57°; Magnitude -3.2
Sept 10 7:50pm South West, Altitude 20°; 7:53pm South East, Alt 79°; Magnitude -3.8

Tiangong
Sept 9 7:52pm North West, Altitude 20°; 7:54pm North, Altitude 49°; Magnitude -1.5
Sept 10 8:30pm North West, Altitude 20°; 8:32pm South West, Alt 81°; Magnitude -2.2
Sept 12 8: 10pm West, Altitude 20°; 8:12pm South West, Altitude 45°; Magnitude -1.3

CONSTELLATIONS

Lyra is directly overhead at 9pm with the star Vega shining down. Ursa Major is in the north west pointing the way with the two stars on the right of the pitcher to her North Star, her cub Ursa Minor. Mama bear's tail is also pointing due west to the red giant star Arcturus, known as the Guardian of the Bear. It is the fourth-brightest star in the sky and is an aging star, about 7 billion years old. While it has close to the same mass as our sun, Arcturus is 25 times our star's size and 170 times as luminous. This star rests at the bottom of the constellation Boötes, also known as the asterism The Giant Ice Cream Cone; next to it is Corona Borealis, or the asterism The Scoop of Ice Cream that Fell off the Giant Ice Cream Cone.

PLANETS

Venus is a stunning sight in the western sky as it gets dark. Saturn is making its way back to our evening sky and is visible almost due east just after 10pm. Mars rises around 3am and will cross into the evening sky in November.

Telescopes @ Berkeley Public Library!

We have a Orion StarBlast Astro Reflector Telescope that you can borrow for 1 week. Place a hold on it and then pick it up from your branch when it is ready. It is fairly easy to carry at 13 lbs., and stands about 2 feet tall.

Here's what you get:
"A great compact grab-and-go telescope designed for entry-level and intermediate astronomy enthusiasts. Substantial 4.5" aperture and fast f/4 focal ratio provides bright, detailed views of solar system targets like the Moon and planets, as well as wide-field celestial objects like nebulas and star clusters."

We also have pairs of binoculars to check out!

Much of the information for this report comes from the wonderful web site, Heavens Above. You can enter your home city location and bookmark it for easy access: http://www.heavens-above.com. Other stellar sources include: http://www.space.com and http://www.nasa.gov. And check spacex.com for launches.

Binoculars @ Berkeley Public Library!

Thanks to a generous donation from the Cal Falcons program, we have 9 Vortex-Raptor binocular kits that you can put on hold and pick up at the location of your choice.

Here's what you get:
Porro prism performance in a mid-size, wide-angle design, the Raptors deliver a bright, crisp image with excellent color fidelity - even in low light conditions. With a wide range of interpupillary distance, they can easily be adjusted to fit anyone in the family, making them ideal for serious, hard-core youth hunters. The kit comes with a copy of The Sibley Field Guide to Birds of Western America and a pocket guide to local birds of the SF Bay Area. But it is also great for looking at planets, the moon and the stars!

BERKELEY PUBLIC LIBRARY

WWW.BERKELEYPUBLICLIBRARY.ORG