

THE IMPORTANCE OF RADIO ASTRONOMY

STATION ACTIVITIES



RADIO ASTRONOMY

- Watch this video (scan the QR code or type in the link)



<https://www.youtube.com/watch?v=3EcrrLNIWdE>

- Then answer these questions:
 - What are the dots in the radio sky?
 - Why do radio astronomers sometimes use more than one telescope?

INFRARED ASTRONOMY

- Watch this video (scan the QR code or click the link)



<https://www.youtube.com/watch?v=9Xeb2b3vqac>

- Then answer these questions:
 - What feature does an infrared camera display that is not displayed by a regular camera?
 - What unique elements of space are studied with infrared astronomy?

OPTICAL ASTRONOMY

- Watch this video (scan the QR code or type in the link)



- <https://www.youtube.com/watch?v=HZ7hwUduMoU>

- Then answer these questions:
 - What does an object's "light barcode" reveal?
 - What color is an object moving toward us?
 - How do we know that the expansion of the universe is speeding up?

ULTRAVIOLET LIGHT ASTRONOMY

- Watch this video (scan the QR code or type in the link)



- <https://www.youtube.com/watch?v=I ToESjjKen8>
- Then answer these questions:
 - Where are UV telescopes located?
 - What celestial bodies are best viewed in UV light?
 - What event was first studied with an UV telescope?

X-RAY ASTRONOMY

- Watch this video (scan the QR code or type in the link)



<https://www.youtube.com/watch?v=9VgSkMDaFNk>

- Then answer these questions:
 - What parts of space produce x-ray waves?
 - What is special about the new telescope?