HUDSON MEMORIAL SCHOOL AMATEUR RADIO CONTACT WITH THE INTERNATIONAL SPACE STATION


CASIS
Today's
Amateur Radio Astronaut
Connection
Using ARISS
(Amateur Radio on the International Space
Station)

INTERNATIONAL SPACE STATION FACTS

- Building of the International Space Station began over 20 years ago in 1998.
- It took over 10 years and 30 missions to assemble.
- The ISS first human occupation began in the year 2000.
- The ISS is 240 miles above the Earth and travels at 17,150 miles per hour or about 5 miles a second.
- It orbits the earth approximately every 90 minutes.

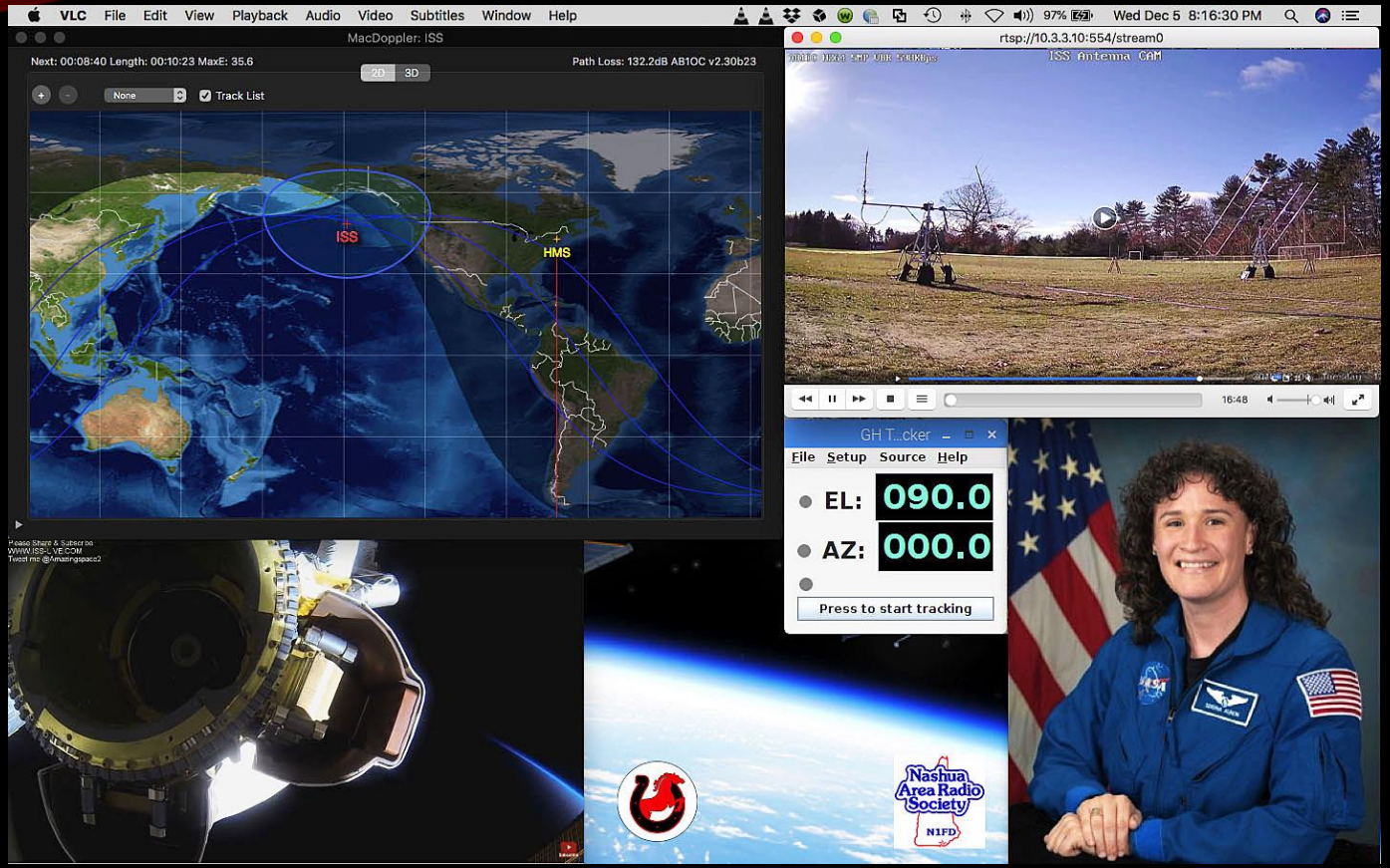
WHAT YOU WILL SEE ON THE SCREEN?

ISS Tracking Software

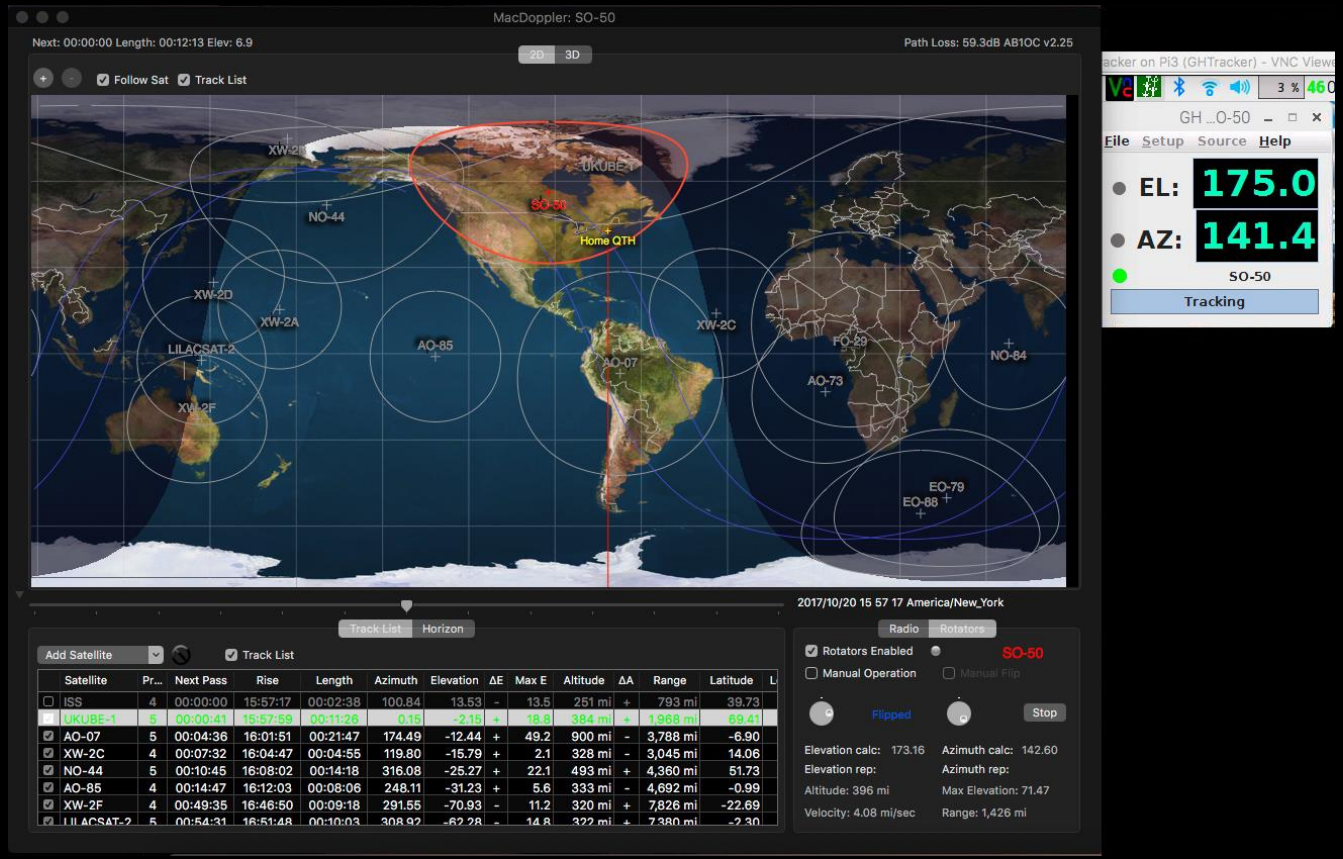
Space Comm. Antennas

Live Video From ISS

Astronaut Serena KG5TMT



TRACKING SOFTWARE

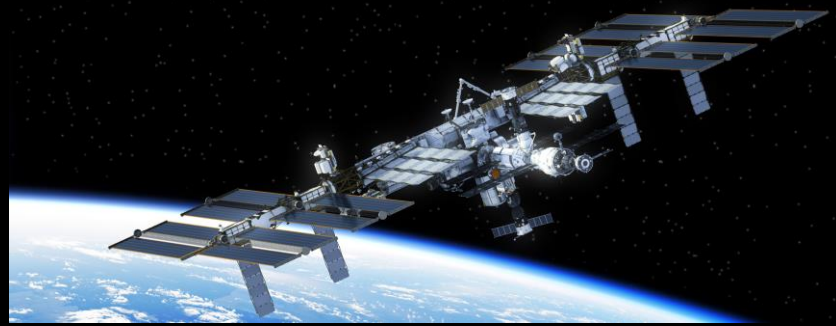


SATELLITE ANTENNAS ON THE FIELD

AMATEUR RADIO STATION SET-UP

HOW WILL OUR CONTACT WORK?

- We'll begin by calling the ISS using Amateur Radio Call Signs …. NA1SS, this is N1FD
- When the ISS comes over the Horizon, the astronaut onboard will answer us and our contact will begin
- Students will take turns asking their questions and the astronaut will answer them
- As the ISS begins to set on the Horizon, we'll ask our last question and we'll say goodbye and thank the astronaut for talking with us today



WHICH ASTRONAUT WILL WE TALK TO ON THE ISS?

Serena Aunon Chancellor

Serena is an American physician, engineer, and Astronaut. She has been in space since June 6, 2018, serving a a flight engineer in Expedition 56/57.

Serena is expected to return to Earth on December 20th, 2018.

Her Amateur Radio call Sign is KG5TMT.

PHOTOS OF SERENA

THE FOLLOWING MADE THIS OPPORTUNITY POSSIBLE

The Nashua Area Radio Society

HMS Faculty and Staff

ARISS

NASA