

TRAIN



FIELD TRAINING EXERCISE AT METEOR CRATER



On October 15-16, SSERVI technology lead Ricky Guest assisted CLSE PI David Kring in leading a lunar Extra Vehicular Activity (EVA) communication simulation at Arizona's Meteor Crater. Meteor Crater, located near Flagstaff, is the world's best preserved impact crater. The topographical terrain of the crater so closely resembles that of the Moon, NASA made it an official training site for Apollo astronauts.

The objective of this activity was to broadcast a simulated lunar EVA live over two days and interact with students guiding the EVA from a virtual Science Operations Center (SOC).

The event connected a distributed group of students who formed the SOC along with a designated SciComm, Debra Needham, who communicated instructions to Kring in the role of astronaut.

Students gave the 'astronaut' instructions for a three hour geologic traverse including station activities of the type that might be conducted on the lunar surface.

Carrying a mobile internet backpack with signal antennas, a mobile phone camera and gimbal stabilizer, SSERVI connected the student SOC and SciComm lead while also providing a live video feed referencing the topography and traverse via a Zoom connection to simulate the lunar exploration and communication for the EVA.

