Week 2-September 1, 2016

Planetary surface flyover movie generator

Develop an application that would enable the generation of user-defined flyover movies from the planetary Trek portals (http://marstrek.jpl.nasa.gov, http://vestatrek.jpl.nasa.gov). Application would allow users to specify a series of points on a designated path. Each point would contain information for latitude, longitude, elevation, roll, pitch, yaw, camera viewing angle, and data layer being displayed. Application would then read the list of data points, generate a series of visualizations interpolating between the points, and converting the series of stills to a movie.

Roll Call
Shawn Anderson
Angel Jimenez
Khang Lam
Christopher Omlor
Hieu Phan
Fidel Izquierdo Jr.

Anderson emailed Dr. Kang with our schedules, info, and liaisons information.

Project link
http://csns.calstatela.edu/department/cs/project/view?id=5530051

Emily replied to our email giving us her availability.

Research
what kind of languages are we using?
What data will JPL give us?
Will all the data be freely available to us?