SSERVI NESS Site Visit and Steering Committee Meeting Agenda
(November 30, 2020)

9:00-9:15am **Introductions & Welcome** (NESS PI: Jack Burns, U. Colorado)

9:15-10:00am **Heliophysics** (Moderator: Justin Kasper, U. Michigan)
  9:15-9:20am Overview
  9:20-9:30am **SunRISE** *(Alex Hegedus, U. Michigan)*
  9:30-9:40am **ROLSES** *(Bob MacDowall, NASA GSFC)*
  9:40-9:50am Simulations of Type II solar bursts with FARSIDE *(Alex Hegedus)*
  9:50-10:00am Discussion

10:00-10:45am **Exoplanet Magnetospheres** (Moderator: Gregg Hallinan, Caltech)
  10:00-10:05am Overview
  10:05-10:20am **Preparing for FARSIDE: OVRO-LWA** *(Marin Anderson, JPL)*
  10:20-10:35am **Exoplanetary System Observations with FARSIDE** *(Gregg Hallinan)*
  10:35-10:50am **FARSIDE Polarization Configuration** *(Nivedita Mahesh, ASU)*
  10:50-11:00am Discussion

11:00-11:45am **Global 21-cm Signal I** (Moderator: Steve Furlanetto, UCLA)
  11:00-11:05am Overview
  11:05-11:35am **Theory**
    11:05-11:20am **First stars and galaxies with FARSIDE** *(Jordan Mirocha, McGill U.)*
    11:20-11:35am **What Can Future Lunar Observatories Teach Us About Population III Star Formation?** *(Rick Mebane, UCLA)*
  11:35-11:45am Discussion

11:45-12:15pm **Lunch Break**
12:15-01:15pm Global 21-cm Signal II (Moderator: Rich Bradley, NRAO)
   12:15-12:20pm Overview
   12:20-01:05pm Global Signal Experiments
      12:20-12:35pm Preparing for the Moon with EDGES (Judd Bowman, ASU)
      12:35-12:50pm Cosmic Twilight Polarimeter (CTP) (David Bordenave, NRAO)
      12:50-01:05pm Status Report on DAPPER (Keith Tauscher, U. Colorado)
   01:05-01:15pm Discussion

1:15-1:45pm Outreach Programs (Moderator: Jack Burns)
   1:15-1:25pm Cosmic Dark to Cosmic Dawn Website (Steven Furlanetto)
   1:25-1:35pm Forward! To the Moon Planetarium Show (John Keller, U. Colorado)
   1:35-1:45pm Discussion

1:45-2:00pm Coffee Break

2:00-3:00pm Global 21-cm Signal III (Moderator: David Rapetti, NASA ARC/USRA/U. Colorado)
   2:00-2:05pm Overview
   2:05-2:50pm Analysis of Observational Data
      2:05-2:20pm A Pattern Recognition Pipeline for DAPPER Spectra (Neil Bassett, U. Colorado)
      2:35-2:50pm Global Bayesian Models for Global 21-cm Experiments (Steven Murray, ASU)
   2:50-3:00pm Discussion

3:00-4:00pm Telerobotics (Moderator: Terrence Fong, NASA ARC)
   3:00-3:05pm Overview
   3:05-3:20 pm Mixed Reality Interfaces for Lunar Robot Supervision & Teleoperation (Michael Walker, U. Colorado)
   3:20-3:35pm Telerobotic Deployment Strategies for Lunar Radio Arrays (Mason Bell & Phaedra Curlin, U. Colorado)
   3:35-3:50pm Deployable Optical Receiver Aperture for Lunar Communications and Navigation (DORA) (Daniel Jacobs, ASU)
   3:50-4:00 pm Discussion

4:00-4:15 pm Final Remarks/Questions/Conclusions (Jack Burns)