

## **Space Weather Council Request**

HPD thanks the HPAC and the Space Weather Council for their work on the previous 4 tasks.

#### Those tasks included:

- 1. Advisory Group Coordination
- 2. Gap Analysis
- 3. Moon 2 Mars
- 4. Agency Coordination

## Task 1: Advisory Group Coordination

HPD staff is coordinating with the various advisory groups. For example, Ursula Rick has been appointed the Executive Secretary for the SWORM, and Dr. Korreck, SWC DFO, meets informally with the chairs and DFOs of the other groups. The coordination is being continually worked.

We also acknowledge with the number and different charges of the group, community members might feel some confusion. The groups are coordinating a white paper to address this to be published in Fall 2024.

At this time, no HPAC or SWC action is requested.

## Task 2: Gap Analysis

The recommendation for the observational gap filling analysis is acknowledged although at this time there is no specific response or request to follow up.

The request for information on the Space Weather Tabletop exercise (TTX) was heard and the basic information will be available publicly soon.

HPD will re-examine the need for more information or advice in the Fall.

### Task 3: Moon 2 Mars

This exciting area will be explored by the onboarding of Dr. Sabrina Savage in Fall 2024. At this time, no specific request for advising is made to allow for Dr. Savage to come onboard.

## Task 4: Agency Coordination

The HPAC request was to:

 Continue to report on domestic and international partnerships and opportunities to expand coordination.

The NASA partnerships and coordination domestically and internationally are important to the success of the Space Weather Program. To focus in on how to optimally meet these goals, HPD requests that the HPAC and the Space Weather Council examine the characteristics of an effective model of international collaboration for large scientific intra-governmental projects.

- Are there specific examples in the science (perhaps particle physics or earthquakes) of effective international collaboration that NASA HPD Space Weather Program should explore?
- What are the characteristics that make these successful?
- How were they formed? Was it programmatically from a government agency or from a grassroots effort?
- What is their funding structure?
- What types of non-governmental partnerships are also successful?

## Requested Task 5: R2O2R

Charge from February: Report on ways HPD can make the R2O2R program more accessible to proposers by gathering feedback from PIs.

The R2O2R program has been undergoing a revamp at this time. When this revamp is ready, we will communicate that to the community and look for feedback at that time. No action is needed at this time.

# HPD Requested Task: Revision of Space Weather Scales

Currently, a study by the SWORM is underway to:

"Refine space weather benchmarks that provide quantitative baselines to assess the intensity of space weather events"

This includes a study to see if the scales used in space weather should be revised. NASA seeks to understand what areas of space weather scientific research and modeling and observations would be affected by any change. HPD requests that the HPAC and Space Weather Council investigate the following.

Where in the Space Weather scientific research are the space weather scales used? How are they used and what impact could a change have on that area?

- Data archives
- Longitudinal research
- Modeling input/outputs
- Observational data set
- Other?