

Earth Science Advisory Committee Report
November 14th, 2019 Meeting
Via Teleconference

From: The NASA Earth Science Subcommittee – J. Marshall Shepherd (Chair, marshgeo@uga.edu), Roland Burgmann, Gregory Carmichael, Andrew Dressler, Thomas Herring, Ian Joughin, Christian Kummerow, Anne Nolin, Richard Rood, Ginny Catania, Nancy Glenn, Kathleen Green, Daven Henze, Lucy Hutyra, Jasmeet Judge, Colleen Mouw, Ying Fan Reinfelder, Anastasia Romanou and Sara Tucker.

To: Ms. Sandra Cauffman (Acting Director, Earth Science Division, SMD)

Cc: Lucia Tsaoussi (Earth Science Advisory Committee Executive Secretary), Sandra Cauffman (ESD Deputy Director), Jack Kaye (ESD Associate Director for Research), Charles Webb (ESD Acting Associate Director for Flight Programs), Lawrence Friedl (Associate Director for Applied Sciences), Pamela Millar (Associate Director for Earth Science Technology Office)

Date: November 14, 2019

Dear Ms. Cauffman:

The Earth Science Advisory Committee met on November 14, 2019 by teleconference to do the annual performance review (APR) of the Earth Science Division as required by the Government Performance and Results Act Modernization Act (GPRAMA). The Science Mission Directorate (SMD) criteria for GPRAMA voting are as follows:

- Green – Expectations for the research program fully met in context of resources invested.
- Yellow – Some notable or significant shortfalls, but some worthy scientific advancements achieved.
- Red – Major disappointments or shortfalls in scientific outcomes, uncompensated by other unusually positive results.

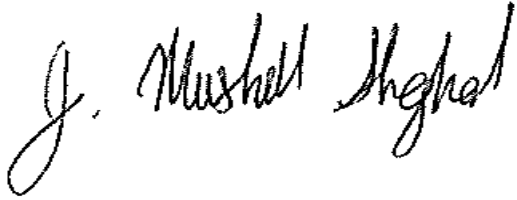
ESD Science Annual Performance Indicators (API) are related to the following six Focus Areas: Atmospheric composition, Weather, Carbon Cycle, Water Cycle, Climate, and Earth Surface & Interior.

After reviewing and discussing pertinent documentation every API was unanimously voted Green, indicating that the committee found science objectives fully met for 2019. The committee was particularly pleased to see improved formatting and consistency with the report, which emerged from prior teleconferences with program managers. Earth science continues to be a vital part of NASA's mission and the committee is very pleased with the progress and trajectory of the Earth Science Division.

I am attaching the ESD GPRA 2019 annual report for background and details of our deliberations.

The next committee meeting is planned for Winter 2020.

Sincerely,

A handwritten signature in black ink that reads "J. Marshall Shepherd". The signature is written in a cursive style with a large, looped initial "J".

J. Marshall Shepherd, Chair
Earth Science Advisory Committee