

# Mars Exploration Science Monthly Newsletter

A publication of the Mars Program Office and the Mars Exploration Program Analysis Group (MEPAG)

February 2020

## Mars Science News

### MEPAG Goals Document Draft open for community comments: now via telecon as well as google form

The MEPAG Goals document is an important living document that is intended to capture and rank the ever-evolving highest priority science questions at Mars (Goals I-III: Life, Climate, Geology), as well as the engineering needs to start to send Humans to Mars (Goal IV). Updates are currently drafted within all four Goals, including additions and revisions within content, organization (at the Objective through Investigation levels), and prioritization.

The MEPAG Goals Committee is committed to enabling community feedback on the draft 2020 MEPAG Goals Document (available at <https://mepag.jpl.nasa.gov/reports.cfm?expand=science>, along with the 2018 MEPAG Goals Document). Both positive and negative feedback can now be submitted via two venues:

- Written feedback can be submitted via the [google form](#) through end-of-day February 14th (as previously advertised). Please break your input into comments on the particular goal or goals in which you wish to see changes, and as appropriate include reference to the specific section or line number. Comments are also welcomed on the cross-cutting themes chapter.
- Verbal feedback can be submitted to the MEPAG Goals Committee via a telecon on **Monday, February 10th, from 8:30 AM-10AM PST (11:30AM-1:00PM EST)**. This telecon is not intended to be a session for the MEPAG Goals Committee to explain their choices in the draft to date (as it may change!), but instead to allow the community further opportunity to voice their ideas and thoughts. Please note that this telecon will be recorded, but only for the use of the MEPAG Goals Committee in capturing your input for consideration for revising the draft Goals Document. To connect: [jpl.webex.com](http://jpl.webex.com) (or 1-510-210-8882), Meeting # **903 706 819**, Meeting password: **MEP@G\_f33dback**

### Information Circulars for upcoming MEPAG meetings (VM8 and #38) are available

For both of these meetings, the Information Circulars are available at <https://mepag.jpl.nasa.gov/meetings.cfm>.

- The **next virtual MEPAG meeting (VM8)** is planned for Friday, February 28, 1:30-3:30pm EST. Agenda items include updates about recent MEPAG activities, including Decadal Survey preparations and the MEPAG Goals Document revision, and the MEP Update. Additional reports include a status report on the Mars Architecture Strategy Working Group (MASWG), an update on PDS, and announcements about the JWST proposal cycle and a new Planetary Science Journal. The 2<sup>nd</sup> Information Circular includes WebEx information and the agenda.
- The **next face-to-face Mars Exploration Program Analysis Group (MEPAG) meeting (#38)** is scheduled for Wednesday-Friday, April 15-17, 2020. This meeting will be held at the [Residence Inn Arlington Capital View](#) (Arlington, VA). The main foci of this MEPAG meeting are preparation for the next Planetary Science Decadal Survey and the current state of Mars exploration plans within NASA and other space agencies. Agenda items are expected to include updates about:
  - Recent MEPAG activities, including Decadal Survey preparations
  - The Mars Exploration Program, including plans for Mars Sample Return
  - Ongoing and planned Mars missions, domestic and international
  - Human Exploration and Commercial Space future access to Mars
  - The status of the ongoing Mars Architecture Strategy Working Group

In addition to these reports, the agenda will include time for community interests and questions to be presented and discussed. In particular, time is allocated for

- The presentation of community-generated white paper topics (potentially via lightning talks and/or posters)
- A community forum period for discussion of community concerns

More information about the agenda, including instructions on how to request agenda time, will be provided in the 2<sup>nd</sup> Information Circular, which will be emailed to the list that this newsletter is shared through and posted to the MEPAG meeting website, later this month. The 1st information circular includes hotel block information; this [block](#) is available until **March 16** or when it's filled. Additionally, we remind those who need to forecast for conference travel that the NASA Forecasting deadline is **February 15**. Registration can be completed at: [MEPAG #38 Registration](#)

## NASA Announcements

- **Open position at NASA HQ: Mars Sample Return Program Director, Science Mission Directorate**  
NASA is pleased to announce that the application deadline for the Science Mission Directorate's Mars Sample Return Program Director will be extended until **4 March 2020**. The vitality of NASA science programs is dependent upon the best people working for and with the Science Mission Directorate and all who are interested in strategic leadership of this important program are encouraged to apply to this opportunity. To find a detailed description of this Senior Executive position and additional information on qualifications and application procedures, please visit USAJobs: <https://www.usajobs.gov/GetJob/ViewDetails/556552400>.

- **Planetary Science Advisory Committee (PAC) Nominations**

The Planetary Science Advisory Committee (PAC) supports the advisory needs of the Planetary Science Division (PSD), the Science Mission Directorate (SMD) and other mission directorates as required, and the NASA Administrator. The advisory scope of the PAC includes all aspects of NASA's planetary science program, including scientific research; considerations of the development of near-term enabling technologies, systems, and computing and information management capabilities; and developments with the potential to provide long-term improvements in future mission operational systems. Responsibility for biological planetary protection is outside the purview of the PAC.

NASA's PSD is extending the invitation for nominations for service on the PAC. Interested members of the community are invited to review the charter and to submit nominations (including self-nominations) for consideration to fill vacancies on the Committee. For application instructions: <http://planetarynews.org/nasa/20200109-PACnominations.pdf>; the deadline to submit nomination materials is **March 31, 2020**. For more information about PAC: <https://science.nasa.gov/nac/science-advisory-committees/pac>.

## Planetary Science Decadal Survey preparation

As shared in recent newsletters, with updates on LPSC events:

- The Planetary Science and Astrobiology Decadal Survey 2023-2032 Task Statement is available on the NASEM Decadal Survey Website: [https://sites.nationalacademies.org/SSB/SSB\\_198165](https://sites.nationalacademies.org/SSB/SSB_198165).
- General information and resources for the MEPAG community are posted to the MEPAG website: [https://mepag.jpl.nasa.gov/DecadalSurvey/Info\\_PlanetaryDS2020\\_MEPAG.pdf](https://mepag.jpl.nasa.gov/DecadalSurvey/Info_PlanetaryDS2020_MEPAG.pdf).
- A few forums are available to facilitate advertisement of white paper topics, so as to foster community collaboration within preparation for the next Planetary Science Decadal Survey. All members of the Mars community are encouraged to view or add information to any/all of these sites.
  - **LPI** has a [centralized site](#) for advertisement of white paper ideas within all areas of planetary science. Posting a white paper topic idea to the LPI site enables one to reach the broader planetary community, and we recommend that Mars community members post white paper topics to that site and review that site regularly.
  - The **AAS Division of Planetary Sciences (DPS)** has set up a [Decadal Survey Information Hub](#) to help the DPS membership participate in, and navigate through, the Decadal Survey process. This site contains links to AG-specific sites, as well as a spreadsheet for advertising white paper topics related to the "State of the Community."
  - **MEPAG** has kept their [google spreadsheet](#) open to facilitate collaboration and communication regarding community-generated white papers. Although superseded by the LPI site, this MEPAG-hosted site remains as an additional resource for collaboration and evolving ideas – with tabs to help people find additional authors for a white paper topic, volunteer to assist with a white paper topic, or share a relevant resource with the community. Additionally, the first tab includes links to other spreadsheets of this sort within the planetary community.
- The kick-off event for the **early career program** of the Planetary Science and Astrobiology Decadal Survey will be **before LPSC on Sunday, March 15**, 10am-12pm at The Woodlands Waterway Marriott Hotel and Convention Center. The first hour will focus on addressing questions such as: What is a decadal survey? What is the role of a decadal survey? Why are they so important to NASA and Congress? How do I get involved? The second hour will be an open forum and an opportunity to ask questions. Note that LPSC registration is not required to participate in this event. Free registration for this event available at: <http://sgiz.mobi/s3/Early-Career-Event>.
- A **town hall** on the Planetary Science and Astrobiology Decadal Survey will be held **at LPSC on Monday, March 16**, 12:00-1:15pm, in Waterway 1-3 at the Woodlands Waterway Marriott Hotel and Convention Center. This town hall is open to all LPSC attendees (LPSC registration is required to attend).
- At LPSC, **MEPAG** will host an informal discussion about Decadal Survey Preparation on Wednesday **on Wednesday, March 18**, 12:00-1:15pm, in Grogan's Mill at the Woodlands Waterway Marriott Hotel and Convention Center. This informal MEPAG discussion is open to all Mars community members attending LPSC.

## MPO Student Travel Grants Available for 6<sup>th</sup> International Planetary Dunes Workshop

The NASA Mars Program Office has announced that travel funding awards are available for up to 3 U.S. undergraduate and graduate students, for reimbursement of up to \$1000 in travel expenses, to attend the [6<sup>th</sup> International Planetary Dunes Workshop](#). Students who are U.S. citizens, legal residents, or attending a U.S. institution on a valid visa; are at least 18 years of age; are engaged in Mars-related research relevant to this workshop; and have submitted an abstract for presentation are eligible for this program. Applications are due by March 5, 2020 (1 week after the abstract deadline). For more information and the application, see <http://mepag.nasa.gov/student.cfm?expand=student>.

## Open Informational Webinar on Mars 2020 / SuperCam on Feb 25

The Mars 2020 / SuperCam team is holding a 2-hour informational webinar (via WebEx) at 8 am PST, Tuesday, February 25. The webinar is aimed at prospective participating scientists, but is open to anyone who is interested. The content will cover the SuperCam instrument, its capabilities, planned investigations, and operations. We intend to record the session. The slides and informational content will be posted shortly before the meeting at the PDS workshop site: <https://pds-geosciences.wustl.edu/workshops/default.htm>.

- The workshop will be held **8 am PST, Tuesday, February 25**
- To attend: <https://jpl.webex.com>, meeting number **907 024 912** (audio can also be accessed by phone at 510-210-8882 using the same meeting number)

## MER Data Catalog Survey

The goal of the Mars Exploration Rovers (MER) Data Catalog Project is to make it easy and simple for researchers who were not members of the MER team (as well as the general public) to discover and use Spirit and Opportunity data. To that end, the Project members are conducting a survey to find out what features potential users would like to see in the catalog. We would appreciate it if you would take the survey, which should take approximately 5-10 minutes, by going to: <http://www.merdatacatalog.com/survey>. This survey will be open through April 2020.

This link can be shared with anyone who might want to use MER data, including but not limited to Mars-focused and non-Mars-focused planetary scientists, Earth scientists, high school teachers, undergraduates, engineers, and people who work at museums. Conducting a survey constitutes experimenting on humans, so we have sought and received approval for the survey from Cornell University's Institutional Review Board (IRB) Office. The survey does not collect any identifying information, and all data will be presented in aggregate (including an interim results presentation at LPSC).

## AAS call for information: publication policy & codes of conduct for consortia and mission teams

The "Ethics Process" Task Force of the American Astronomical Society is collecting 'best practice' documents for consortia and mission teams in regards to Publication Policy and general Codes of Conduct. Submissions can be treated as confidential if desired (although the task force will need permission from the team lead to use them), and credit will be given to everyone who helps. Topics that the group is interested in learning about, which might be called a code of conduct, 'rules of the road', or a memorandum of understanding) might include:

- the approval process for a paper to be published (or for a project to be started) based on data from the project.
- the process for someone to be appointed lead for a specific topic
- the process for access to proprietary data
- the policy for who are co-authors, and in what order

Read more at: <http://womeninastronomy.blogspot.com/2020/01/call-for-information-publication-policy.html>.

## Applications are open for the 2020 CIDER Summer Program: Earth's Evolution as an Inhabited World

CIDER announces their annual summer program on behalf of the geosciences community. This summer program focuses on the evolution of physical and chemical conditions that allowed life to gain a foothold. This broad program will cover the details of planetary formation and the subsequent evolution of this initial state through the early Earth and through the onset of plate tectonics. At each stage, we explore the interplay between Earth's surface environment and the evolution of the interior. The organizers and program committee, along with applications for participation, can be found at: <https://deep-earth.org/summer20>. The application deadline is February 28, 2020.

The program (June 28 - July 24, 2020) features a 4 week tutorial and research program for about 40 advanced graduate students and postdocs. We also welcome scientists at assistant professor/researcher level (and higher) to participate in any part of the program, with a minimum commitment of 2 weeks. The summer program will be held on the campus of University of California, Santa Barbara. It is supported by the NSF/CSEDI program.

## Near-term Due Dates (next three months)

Due	Conference
February 12	<b>OPAG Meeting - Abstract Deadline</b>
February 14	<b>43rd COSPAR Scientific Assembly – Abstract Deadline</b>
February 27	<b>6<sup>th</sup> International Planetary Dunes Workshop – Abstract Deadline</b>
March 4	<b>Science Mission Directorate's Mars Sample Return Program Director - Job Application deadline</b>
March 5	<b>6<sup>th</sup> International Planetary Dunes Workshop – MPO Student Travel Grant Deadline</b>
March 24	<b>Preventing Harassment in Science: Building a Community of Practice Toward Meaningful Change - Registration Deadline</b>
March 27	<b>7th Mars Atmosphere Modelling and Observations Conference – Abstract Deadline</b>
March 27	<b>Planetary Science Informatics and Data Analytics 2020 Conference – Registration Deadline</b>
March 31	<b>NASA Planetary Advisory Committee – Nomination Deadline</b>
April 3	<b>8th European Lunar Symposium (ELS) – Early Registration Deadline</b>
April 9	<b>Lunar Surface Science Workshop – Registration Deadline</b>
April 13	<b>6th International Planetary Dunes Workshop – Early Registration Deadline</b>
April 16	<b>2020 Annual Meeting of Planetary Geologic Mappers</b>
April 21	<b>Asia Oceania Geosciences Conference 2020 – Early Registration Deadline</b>
April 23	<b>8th European Lunar Symposium (ELS) – Registration Deadline</b>
April 28	<b>6th International Planetary Dunes Workshop – Registration Deadline</b>

## Upcoming Conferences

- Note that for civil servants and those under contract with NASA, foreign and NASA-sponsored conferences generally need to be forecasted via NCTS. Forecasting to NCTS is usually due 60 days in advance for domestic meetings. If you are unsure whether an event is a conference or not, or when the forecasting deadline may be, please consult with your NASA Center conference forecasting/travel unit.

2020 First Quarter		
	February 5-7, 2020 Houston, TX, USA	<b>Exoplanets in Our Backyard</b> <a href="http://www.hou.usra.edu/meetings/exoplanets2020/">www.hou.usra.edu/meetings/exoplanets2020/</a>
<b>NEW!</b>	February 7, 2020	<b>LEAG Virtual Meeting</b> Schedule and dial-in information <a href="https://docs.google.com/document/d/1bCdVP8303Tp5vqaCZpl_9vX3DzIR9dByT5ZA48u5r7M/edit">https://docs.google.com/document/d/1bCdVP8303Tp5vqaCZpl_9vX3DzIR9dByT5ZA48u5r7M/edit</a>
	February 11-13, 2020 Houston, TX, USA	<b>LPI Workshop: The impact of lunar dust on human exploration</b> <a href="https://www.hou.usra.edu/meetings/lunardust2020/">https://www.hou.usra.edu/meetings/lunardust2020/</a>
	February 18-21, 2020 San Antonio, TX, USA	<b>3<sup>rd</sup> International Planetary Caves Conference</b> <a href="https://www.hou.usra.edu/meetings/3rdcaves2020/">https://www.hou.usra.edu/meetings/3rdcaves2020/</a>
	February 25-27, 2020 Laurel, MD, USA	<b>Access to Space Workshop</b> <a href="https://civspace.jhuapl.edu/News-and-Events/events/Access2Space/">https://civspace.jhuapl.edu/News-and-Events/events/Access2Space/</a>
<b>New!</b>	February 28, 2020 JPL WebEx	<b>MEPAG virtual meeting (VM8)</b> <a href="https://mepag.jpl.nasa.gov/meetings.cfm">https://mepag.jpl.nasa.gov/meetings.cfm</a>
	March 2-6, 2020 Santiago, Chile	<b>Ground and Space Observatories: a joint venture to planetary science workshop</b> NCTS 39529-20 <a href="https://conference.almaobservatory.org/planets2020/">https://conference.almaobservatory.org/planets2020/</a>
	March 2-8, 2020 Dehli, India	<b>36th International Geological Congress (IGC)</b> <a href="https://www.36igc.org/home">https://www.36igc.org/home</a>
	March 7-14, 2020 Big Sky, MT, USA	<b>IEEE Aerospace Conference</b> <a href="https://www.aeroconf.org/">https://www.aeroconf.org/</a>
<b>NEW!</b>	March 14-15, 2020 The Woodlands, TX, USA	<b>Microsymposium 61: The next frontier in planetary exploration</b> <a href="http://www.planetary.brown.edu/html_pages/micro61_reg.htm">http://www.planetary.brown.edu/html_pages/micro61_reg.htm</a> <i>Paraphrased announcement: The third dimension of planetary bodies remains largely unexplored, and on many bodies the subsurface presents opportunities to expand our knowledge of habitability. The workshop will be focused on 1) keynote presentations for identifying fundamental questions in these broad areas of investigation, followed by 2)</i>

		<i>reports and discussion on current and future plans for accessing and characterizing the subsurface. Invitations are extended to, and participation is expected from, representatives from Russia, China, ESA, India, Japan, the United States, Korea, and other space-faring nations and commercial enterprises. If you are interested in presenting contact the co-organizers: Jack Mustard, Brown University (<a href="mailto:john_mustard@brown.edu">john_mustard@brown.edu</a>) and Vlada Stamenkovic, JPL (<a href="mailto:vlada.stamenkovic@jpl.nasa.gov">vlada.stamenkovic@jpl.nasa.gov</a>). To Indicate interest and be added to the Micro 61 email list contact: Melissa DeAugustinis (<a href="mailto:melissa_deaugustinis@brown.edu">melissa_deaugustinis@brown.edu</a>).</i>
	March 16-20, 2020 The Woodlands, TX, USA	<b>51<sup>st</sup> Lunar and Planetary Science Conference</b> <a href="https://www.hou.usra.edu/meetings/lpsc2020/">https://www.hou.usra.edu/meetings/lpsc2020/</a>
	Phoenix, AZ, USA March 31-April 2, 2020	<b>Preventing Harassment in Science: Building a community of Practice Toward Meaningful Change</b> <a href="https://www.hou.usra.edu/meetings/anti-harassment2020/organizers/">https://www.hou.usra.edu/meetings/anti-harassment2020/organizers/</a>

Second Quarter, 2020		
<b>UPDATED</b>	April 14-16, 2020 Boulder, CO, USA	<b>Titan Through Time Workshop V</b> <a href="https://astrobiology.nasa.gov/events/titan-through-time-workshop-v/">https://astrobiology.nasa.gov/events/titan-through-time-workshop-v/</a>
	April 15-17, 2020 [TBC] Washington, DC	<b>MEPAG Meeting #38</b> NCTS# 41124-20 <a href="https://mepag.jpl.nasa.gov/meetings.cfm">https://mepag.jpl.nasa.gov/meetings.cfm</a>
	April 20-23, 2020 Seattle, WA, USA	<b>ASCE Earth &amp; Space Conference</b> <b>Symposium 2: Exploration and Utilization of Extra-Terrestrial Bodies</b> <a href="https://www.earthspaceconference.org/symposium-2">https://www.earthspaceconference.org/symposium-2</a>
	April 20-24, 2020 Canary Islands, Spain	<b>Biennial European Astrobiology Conference (BEACON)</b> <a href="http://europeanastrobiology.eu/BEACON2020/index.html">http://europeanastrobiology.eu/BEACON2020/index.html</a>
	April 21-22, 2020 Suitland, MD, USA	<b>Improving Space Operations Workshop (ISOW 2020)</b> <a href="https://isow.space.swri.edu/">https://isow.space.swri.edu/</a>
	April 28-30, 2020 Pasadena, CA, USA	<b>2020 In Situ Science &amp; Instrumentation Workshop for Europa and Ocean Worlds</b> <a href="https://www.europa-insitu.caltech.edu">https://www.europa-insitu.caltech.edu</a>
	April 28-30, 2020 Denver, CO, USA	<b>Lunar Surface Science Workshop</b> <a href="http://www.hou.usra.edu/meetings/lunarsurface2020">http://www.hou.usra.edu/meetings/lunarsurface2020</a>
	May 3-8, 2020 Les Houches, France	<b>Workshop Mars V</b> <a href="https://www.cosmos.esa.int/web/planet-mars-5/home">https://www.cosmos.esa.int/web/planet-mars-5/home</a>
	May 3-8, 2020 Vienna, Austrian	<b>EGU General Assembly</b> <a href="https://www.egu2020.eu/">https://www.egu2020.eu/</a>
	May 6-8, 2020 Saint-Hubert, Quebec	<b>Women in Space 2020</b> <a href="http://www.womeninspacecon.com/">http://www.womeninspacecon.com/</a>
	May 12-15, 2020 Alamosa, CO, USA	<b>6<sup>th</sup> International Planetary Dunes Workshop</b> <a href="https://www.hou.usra.edu/meetings/dunes2020/">https://www.hou.usra.edu/meetings/dunes2020/</a>
	May 12-14, 2020 Washington, DC, USA	<b>Human to Mars Summit</b> <a href="https://www.exploremars.org/">https://www.exploremars.org/</a>
	May 12-14, 2020 Padua, Italy	<b>8th European Lunar Symposium (ELS)</b> <a href="https://els2020.arc.nasa.gov/">https://els2020.arc.nasa.gov/</a>
	June 2-4, 2020 Orleans, France	<b>Mercury 2020, Current and future science of the innermost planet</b> <a href="https://mercury2020.ias.u-psud.fr/main_1st.php">https://mercury2020.ias.u-psud.fr/main_1st.php</a>
	June 8-11, 2020 Paris, France	<b>7<sup>th</sup> Mars Atmosphere Modelling and Observations Conference</b> <a href="http://www-mars.lmd.jussieu.fr/paris2020/">http://www-mars.lmd.jussieu.fr/paris2020/</a>
	June 16-18, 2020 Washington, DC, USA	<b>2020 Annual Meeting of Planetary Geologic Mappers</b> <a href="https://www.hou.usra.edu/meetings/pgm2020/">https://www.hou.usra.edu/meetings/pgm2020/</a>
	June 22-24, 2020 Villanueva de la Cañada, Spain	<b>Planetary Science Informatics and Data Analytics 2020 Conference</b> <a href="https://www.cosmos.esa.int/web/psida-2020">https://www.cosmos.esa.int/web/psida-2020</a>
<b>NEW!</b>	June 28- July 4, 2020 Sono Belle Vivaldi Park, Hongcheon, Korea	<b>Asia Oceania Geosciences Conference 2020</b> <a href="http://www.asiaoceania.org/aogs2020/public.asp?page=home.html">http://www.asiaoceania.org/aogs2020/public.asp?page=home.html</a>

Third-Fourth Quarter, 2020		
	July, 2020	Launch window for the UAE EMM orbiter (Hope)
	July 26-August 11, 2020	Launch window for the ESA-Russia ExoMars rover (Rosalind Franklin)
	July 17-August 5, 2020	Launch window for the NASA Mars 2020 rover
<b>NEW!</b>	August 5-7, 2020	<b>11th Planetary Crater Consortium Meeting</b> <a href="https://www.hou.usra.edu/meetings/crater2020">https://www.hou.usra.edu/meetings/crater2020</a>
	August 15-22, 2020 Sydney, Australia	<b>43<sup>rd</sup> COSPAR Scientific Assembly</b> NCTS 35724-20 <a href="https://www.cospar-assembly.org/">https://www.cospar-assembly.org/</a>
<b>NEW!</b>	August 27- October 2, 2020 Genada, Spain	<b>Europlanet Science Congress</b> <a href="https://www.epsc2020.eu/">https://www.epsc2020.eu/</a>
	October 5-8, 2020 Houston, TX, USA	<b>Martian Enigmas 2020</b> <a href="https://www.hou.usra.edu/meetings/martianenigmas2020/">https://www.hou.usra.edu/meetings/martianenigmas2020/</a>

**Seasons on Mars**

	MY35	MY36	MY37
<b>Start of Northern Spring / L<sub>s</sub> 0</b>	03/23/2019	02/07/2021	12/26/2022
<b>Start of Northern Summer / L<sub>s</sub> 90</b>	10/08/2019	08/25/2021	07/13/2023
<b>Start of Northern Autumn / L<sub>s</sub> 180</b>	04/08/2020	02/24/2022	01/24/2024
<b>Start of Northern Winter / L<sub>s</sub> 270</b>	09/02/2020	07/21/2022	06/07/2024

**Special holidays to consider when scheduling conferences/workshops/meetings**

Good Friday	4/10/20	4/2/2021	04/15/2022	4/7/2023
Rosh Hashanah	9/19/20	9/7/2021	09/26/2022	9/16/2023
Yom Kippur	9/28/20	9/16/2021	10/05/2022	9/25/2023
(Note that Jewish holidays start at sundown the previous evening)				
Thanksgiving Day, Canada	10/12/20	10/11/2021	10/10/2022	10/9/2023
Thanksgiving Day, U.S.	11/26/20	11/25/2021	11/24/2022	11/24/2023
Christmas Day	12/25/20	12/25/2021	12/25/2022	12/25/2023

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Please send Mars Community Announcements and calendar items for inclusion in next month's newsletter to:

Barbara Saltzberg at [Barbara.a.Saltzberg@jpl.nasa.gov](mailto:Barbara.a.Saltzberg@jpl.nasa.gov)

This newsletter (and all previous months') is also posted on the MEPAG website: <http://mepag.jpl.nasa.gov>

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To be added to this list and receive this monthly newsletter and other Mars Science announcements, or to update your MEPAG directory information (which contains the email list used for sending out this newsletter), please fill out the online form at <https://mepag.jpl.nasa.gov/emailnewsletters.cfm> (also linked at the bottom of the MEPAG website <http://mepag.nasa.gov/>) or send an email to [mepag-signup@jpl.nasa.gov](mailto:mepag-signup@jpl.nasa.gov) from the email account you'd like added, with your full name and institution.