National Aeronautics and Space Administration

Headquarters
Washington, DC 20546-0001

Reply to attn. of: Office of Communications

January 11, 2021

John Greenewald, Jr.
The Black Vault, Inc.
27305 W. Live Oak Rd., Suite 1203
Castaic, CA 91384-4520
john@greenewald.com

Re: FOIA Tracking Number 21-HQ-F-00603

Dear Mr. Greenewald:

This is our second interim response to your Freedom of Information Act (FOIA) request to the National Aeronautics and Space Administration (NASA), the clarified version of which was received in this office on July 22, 2021. You seek the following:

> *ALL emails, with any level of classification (list of NASA personnel below), which contain the following keywords:*
>
> *"Unidentified Aerial" and/or*
> *"Unidentified Flying" and/or*
> *"UAP" and/or*
> *"UFO" and/or*
> *"Unidentified Spacecraft" and/or*
> *"Unidentified aircraft" and/or*
> *"UAPTF"*
>
> *PLEASE INCLUDE ALL ATTACHMENTS TO EMAILS FOUND . . . search the [following] e-mail boxes, with the time frames in the parentheticals:*
>
> - *Mike Gold, Acting Associate Administrator, Office of International and Interagency Relations (November 2019 - May 2021)*
> - *Joel Montalbano, International Space Station (ISS) Program Manager (January 1, 2020, through the date of processing the request)*

- *Margaret Kieffer, Director of the Export Control and Interagency Liaison Division (January 1, 2017 - the date of processing this request)*

- *Suzanne Gillen, Former Associate Administrator for Legislative Affairs (January 1, 2017 - January 20, 2021)*

- *Dr. Ravi Kumar Kopparapu, Research AST, Planetary Studies (August 1, 2015 - the date of processing this request)*

- *Sandra E. Connelly, Deputy Associate Administrator (January 1, 2020 - the date of processing this request)*

- *Karen Feldstein, Associate Administrator for International and Interagency Relations (January 1, 2016 - the date of processing this request)*

- *Dr. Michael New, Deputy Associate Administrator for Research (June 1, 2018 - the date of processing this request)*

- *Dr. Paul Hertz, Astrophysics Division Director (April 1, 2000 - the date of processing this request)*

- *Bhavya Lal, Senior Advisor for Budget and Finance (January 1, 2020 - the date of processing this request)*

- *Thomas Zurbuchen, NASA Science Associate Administrator (June 11, 2021 - the date of processing this request)*

Our first interim response, dated October 6, 2021, notified you that we tasked NASA's Office of Information Technology (IT) to search the email accounts of the above-named officials using the key words and date ranges you specified. That search located extremely voluminous records. Our letter further advised you that the search did not locate any responsive records within Mr. Joel Montelbano's account. However, IT has since re-run its search and did locate some responsive records in that account. The additional records were provided to the FOIA Office and we are processing them with the other responsive records. At this time, we have completed processing some records from the accounts of Sandra Connelly, Margaret Kieffer and Bhavya Lal. We continue to process remaining records and will issue subsequent responses on a rolling basis. To enable us to respond to the remainder of your request as quickly as possible, please notify us if you wish to reformulate it to reduce the amount of records, or to arrange an alternative time frame for processing. We are making every effort to comply with your request in a timely manner.

As noted above, we completed processing a portion of the responsive records. We reviewed them under the FOIA to determine whether they may be disclosed to you. Based on that review this office is providing the following:

__31__ page(s) are released in full (RIF);
__4__ page(s) are released in part (RIP).

NASA redacted from the enclosed documents certain information pursuant to FOIA exemption 6. Exemption 6 allows withholding of "personnel and medical files and *similar files* the disclosure of which would constitute a clearly unwarranted invasion of personal privacy." 5 U.S.C. § 552(b)(6)(emphasis added). NASA invokes exemption 6 to protect unpublished NASA cell phone numbers, personal phone numbers, and the names and contact information of third parties.

Appeal

Because processing is not yet complete, we ask that you defer any appeals until we complete our production of records. You do, however, have the right to appeal this response. Your appeal must be received within 90 days of the date of our final response. Please send your appeal to:

Administrator
NASA Headquarters
Executive Secretariat
ATTN: FOIA Appeals
MS 9R17
300 E Street S.W.
Washington, DC 2054

Both the envelope and letter of appeal should be clearly marked, "Appeal under the Freedom of Information Act." You must also include a copy of your initial request, the adverse determination, and any other correspondence with the FOIA office. In order to expedite the appellate process and ensure full consideration of your appeal, your appeal should contain a brief statement of the reasons you believe this initial determination should be reversed. Additional information on submitting an appeal is set forth in the NASA FOIA regulations at 14 C.F.R. § 1206.700.

Assistance and Dispute Resolution Services

If you have any questions, please feel free to contact me at stephanie.k.fox@nasa.gov. For further assistance you may also contact Nikki Gramian, Principal Agency FOIA Officer, at nikki.n.gramian@nasa.gov.

Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services it offers. The contact information for OGIS is as follows: Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College Park, Maryland 20740-6001, e-mail at ogis@nara.gov; telephone at 202-741-5770; toll free at 1-877-684-6448; or facsimile at 202-741-5769.

Important: Please note that contacting any agency official including the undersigned, NASA's Chief FOIA Public Liaison, and/or OGIS is not an alternative to filing an administrative appeal and does not stop the 90 day appeal clock.

Sincerely,

Stephanie K. Fox

Stephanie K. Fox
FOIA Team Lead / Chief FOIA Public Liaison

Enclosures

Re: NASA HQ IMAGE - Partial Solar Eclipse - NHQ202106100010

From:	Lal, Bhavya (HQ-AA000) </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8F41245EAB914300A3D5B858A7F1720C-LAL, BHAVYA>, Lal, Bhavya (HQ-AA000) <"/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8F41245EAB914300A3D5B858A7F1720C-LAL, BHAVYA">
To:	Etkind, Marc R. (HQ-NA000) <marc.r.etkind@nasa.gov>
Sent:	June 10, 2021 8:53:23 AM EDT
Received:	June 10, 2021 8:53:23 AM EDT

Ah! Very VERY cool.

My trainers are always asking me questions. I need to always stay current and have good explanations - keeps me sharp haha. Today I got a ton of questions on the UAP stuff.

Bhavya Lal, Ph.D.

b6 [redacted]

On: 10 June 2021 08:50, "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov> wrote:

Sorry just to be clear—highest day ever for Discovery Science for the 2017 eclipse.

From: Bhavya Lal <bhavya.lal@nasa.gov>
Date: Thursday, June 10, 2021 at 8:49 AM
To: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>
Subject: Re: NASA HQ IMAGE - Partial Solar Eclipse - NHQ202106100010

Right after Artemis III lands the first two women on the Moon

Seriously, that’s spectacular. Public interest is good for us.

Bhavya Lal, Ph.D.

b6 [redacted]

On: 10 June 2021 08:45, "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov> wrote:

On the tv side, our highest day ever. Next one April 2024!

From: Bhavya Lal <bhavya.lal@nasa.gov>
Date: Thursday, June 10, 2021 at 8:28 AM
To: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>, "Quinn, Susie Perez (HQ-AH000)" <susie.p.quinn@nasa.gov>, "Dalton, Bale (HQ-AH000)" <bale.dalton@nasa.gov>, "Miller, Helen G. (HQ-AA000)" <helen.g.miller@nasa.gov>, "McGuinness, Jackie (HQ-NA000)" <jackie.mcguinness@nasa.gov>, "Brown, Alicia N.

(HQ-VA000)" <alicia.n.brown@nasa.gov>, "Hunter, Reagan A. (HQ-VA000)" <reagan.a.hunter@nasa.gov>, "Lambert, Rashahra T. (HQ-AA000)" <rashahra.t.lambert@nasa.gov>, "Gulley, Bryan F. (HQ-NA000)" <bryan.f.gulley@nasa.gov>
Subject: Re: NASA HQ IMAGE - Partial Solar Eclipse - NHQ202106100010

Yes. People love this stuff! Remember the frenzy after the solar eclipse? It was so crazy Thomas Z had to testify in Congress to explain the interest.

Bhavya Lal, Ph.D.

b6 [redacted]

On: 10 June 2021 08:21, "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov> wrote:

We live streamed as well. It's the number one topic on twitter right now and great to have NASA in the convo.

From: Bhavya Lal <bhavya.lal@nasa.gov>
Date: Thursday, June 10, 2021 at 8:18 AM
To: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>, "Quinn, Susie Perez (HQ-AH000)" <susie.p.quinn@nasa.gov>, "Dalton, Bale (HQ-AH000)" <bale.dalton@nasa.gov>, "Miller, Helen G. (HQ-AA000)" <helen.g.miller@nasa.gov>, "McGuinness, Jackie (HQ-NA000)" <jackie.mcguinness@nasa.gov>, "Brown, Alicia N. (HQ-VA000)" <alicia.n.brown@nasa.gov>, "Hunter, Reagan A. (HQ-VA000)" <reagan.a.hunter@nasa.gov>, "Lambert, Rashahra T. (HQ-AA000)" <rashahra.t.lambert@nasa.gov>, "Gulley, Bryan F. (HQ-NA000)" <bryan.f.gulley@nasa.gov>
Subject: Re: NASA HQ IMAGE - Partial Solar Eclipse - NHQ202106100010

Too cool!

Bhavya Lal, Ph.D.

b6 [redacted]

On: 10 June 2021 07:56, "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov> wrote:

Thought you might enjoy these photos the NASA photographer took this morning.

From: <nasa- <mailto:nasa-hq-image-bounces@lists.hq.nasa.gov>hq- <mailto:hq-image-bounces@lists.hq.nasa.gov>image- <mailto:image-bounces@lists.hq.nasa.gov>bounces@lists.hq.nasa.gov> on behalf of "Ingalls, Bill (HQ-NG000)[MORI ASSOCIATES INC]" <bingalls@nasa.gov>
Date: Thursday, June 10, 2021 at 7:14 AM
To: NASA HQ IMAGE RELEASE <nasa- <mailto:nasa-hq-image@lists.hq.nasa.gov>hq- <mailto:hq-image@lists.hq.nasa.gov>image@lists.hq.nasa.gov>
Subject: NASA HQ IMAGE - Partial Solar Eclipse - NHQ202106100010

CAPTION:

A partial solar eclipse is seen as the sun rises behind the Statue of Freedom atop the United States Capitol Building,

Thursday, June 10, 2021, as seen from Arlington, Virginia. The annular or “ring of fire” solar eclipse is only visible to some people in Greenland, Northern Russia, and Canada. Photo Credit: (NASA/Bill Ingalls)

This image, and others, are available on Flickr:https://flic.kr/s/aHsmVY6CMm <https://gcc02.safelinks.protection.outlook.com/?url=https://flic.kr/s/aHsmVY6CMm&data=04|01|bhavya.lal@nasa.gov|04a32f966897491f78da08d92c0e497a|7005d45845be48ae8140d43da96dd17b|0|0|637589262130117362|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0=|1000&sdata=Bh3eIfvWkWynFtb5BJ7B8+fKxaCGGOuodF+232Mqnk4=&reserved=0>

Cheers

Bill

-- --

Bill Ingalls

Supervisor/Senior Photographer

NASA Headquarters, Office of Communications

300 E ST., SW

Washington, DC

20546

phone: 202.358.1742

fax: 202.358.4333

email: bingalls@nasa.gov

Visit us on Flickr at:

http://www.flickr.com/photos/nasahqphoto <https://gcc02.safelinks.protection.outlook.com/?url=http://www.flickr.com/photos/nasahqphoto/&data=04|01|bhavya.lal@nasa.gov|04a32f966897491f78da08d92c0e497a|7005d45845be48ae8140d43da96dd17b|0|0|637589262130127321|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0=|1000&sdata=0VS4zcBG01BpmxBO3rMjsL/KuqWb3hw4poUWZs1fBwc=&reserved=0>

Follow us on Twitter at:

http://twitter.com/nasahqphoto <https://gcc02.safelinks.protection.outlook.com/?url=http://twitter.com/nasahqphoto&data=04|01|bhavya.lal@nasa.gov|04a32f966897491f78da08d92c0e497a|7005d45845be48ae8140d43da96dd17b|0|0|637589262130127321|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0=|1000&sdata=/xWObffDN1sLIMn5zPHqr1PZAellEJYBCVmDO4+BHg0=&reserved=0>

FW: OIIR Weekly Update

From:	Torres, Alfonso (HQ-TH000) <alfonso.torres@nasa.gov>
To:	Troxell, Jennifer L. (HQ-TH000) <jennifer.l.troxell@nasa.gov>, Drew, Benjamin A. (HQ-TH000) <b.a.drew@nasa.gov>, Conole, Kevin C. (HQ-TH000) <kevin.c.conole@nasa.gov>, Santos, Juan F. (HQ-TH000) <juan.f.santos@nasa.gov>, Hodgdon, Kenneth Michael (HQ-TH000) <kenneth.m.hodgdon@nasa.gov>, Meidinger, Jolene A. (HQ-TH000) <jolene.meidinger@nasa.gov>
Cc:	Kieffer, Margaret (HQ-TH000) <margaret.kieffer@nasa.gov>, Flynn, David T. (HQ-TH000) <david.flynn@nasa.gov>
Sent:	July 19, 2021 9:55:34 AM EDT
Received:	July 19, 2021 9:55:38 AM EDT

All,

Please see below for OIIR's weekly update.

Thanks,

Al

From: Kieffer, Margaret (HQ-TH000) <margaret.kieffer@nasa.gov>
Sent: Sunday, July 18, 2021 8:42 PM
To: Torres, Alfonso (HQ-TH000) <alfonso.torres@nasa.gov>
Cc: Flynn, David T. (HQ-TH000) <david.flynn@nasa.gov>
Subject: Fwd: OIIR Weekly Update

From: Karen Feldstein <karen.c.feldstein@nasa.gov>
Date: Sunday, July 18, 2021 at 5:44 PM
To: "Cabana, Robert D. {HQ-Associate Administrator} (KSC-AI000)" <robert.d.cabana@nasa.gov>
Cc: "Melroy, Pamela A. (HQ-AB000)" <pamela.a.melroy@nasa.gov>, "Saunders, Melanie (HQ-AA000)" <melanie.saunders-1@nasa.gov>, "Quinn, Susie Perez (HQ-AH000)" <susie.p.quinn@nasa.gov>, "Dalton, Bale (HQ-AH000)" <bale.dalton@nasa.gov>, "Lal, Bhavya (HQ-AA000)" <bhavya.lal@nasa.gov>, "Cremins, Tom (HQ-AJ000)" <tom.cremins-1@nasa.gov>, "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>, "Stephenson, Johnny F. (MSFC-NA000)" <johnny.f.stephenson@nasa.gov>, "Jacobs, Bob (HQ-NA000)" <bob.jacobs@nasa.gov>, "Kerwin, Mary D. (HQ-IA000)" <mary.d.kerwin@nasa.gov>, "Brown, Alicia N. (HQ-VA000)" <alicia.n.brown@nasa.gov>, "Flaherty, Christopher J. (HQ-VA030)" <christopher.j.flaherty@nasa.gov>, "Zurbuchen, Thomas H. (HQ-DA000)" <thomas.h.zurbuchen@nasa.gov>, "Lueders, Kathryn L. (KSC-CA000)" <kathryn.l.lueders@nasa.gov>, Meredith McKay <meredith.mckay@nasa.gov>, "Swails, Casey L. (HQ-LE030)" <casey.l.swails@nasa.gov>
Subject: OIIR Weekly Update

Bob,

Below isa list of top-level, OIIR-supported activities of interest this week and some upcoming activities:

Public Meeting on NASA's Proposal to Withdrawal Land from Railroad Valley (RRV), Nevada: On July 19, NASA will participate in a virtual public meeting with an official from the Department of Interior's Bureau of Land Management to provide an overview of, and hear public comments regarding, NASA's request to withdrawal nearly 23,000 acres of land from public use in RRV. NASA initiated the withdrawal application to preserve this land for satellite calibration activities. RRV is the best vicarious calibration site in the U.S. and one of the best in the world for Earth observing

satellites because it has ideal and stable land characteristics, is well-instrumented, and can be relatively easily accessed by scientists. Representatives from SMD, OComm, and OIIR will attend.

ISS Multilateral Coordination Board (MCB): On July 19, HEOMD AA Lueders will chair the ISS MCB, the highest-level governing board of the program, with her counterparts from the Canadian Space Agency (CSA), Roscosmos, the European Space Agency (ESA), and Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Norms of Behavior for National Security Space Activities: On July 20, the National Security Council (NSC) will kick off a series of biweekly Sub-Interagency Policy Committee (Sub-IPC) meetings to develop norms of behavior for national security space activities. The principal participants are DOD, the State Department, and the Intelligence Community. Civil departments and agencies are being included for awareness. OIIR will support.

NASA Annual Export Control Program Review: On July 20, the Deputy Administrator will provide welcoming remarks at this OIIR-sponsored agencywide event for 75 NASA civil servants and contractors responsible for assuring agency compliance with U.S. export control regulations. The Deputy Administrator's participation will reinforce the critical importance of protecting the nation's sensitive technologies.

NSC Restricted IPC meeting: On July 21, the NSC will hold the 2nd in a series of weekly in-person restricted IPC meetings to continue the development of strategic messaging and a diplomatic plan for Department of Defense space activities. OIIR will support.

Climate presentation at Japan event: On July 21, NASA Senior Climate Advisor (acting) Dr. Gavin Schmidt will provide a presentation on "NASA's Cooperation in Addressing the Climate Challenge" toa Japan Aerospace Exploration Agency (JAXA)-hosted virtual event.

Launch of Russia's Nauka Multipurpose Laboratory Module (MLM) to ISS: On July 21, Roscosmos is scheduled to launch the Nauka MLM to ISS from Baikonur, Kazakhstan, on a Proton-M rocket. The Nauka MLM includes a robotic arm provided by the European Space Agency. NASA's Director of Human Space Flight Programs in Russia, Tricia Mack, traveled from Moscow to Baikonur for launch.

Potential Visit by Spain Prime Minister to JPL: On July 22, the mayor of Los Angeles, Eric Garcetti, is scheduled to host the Prime Minister of Spain, Pedro Sanchez, for a meeting and brief tour at JPL. The visit isn't yet confirmed.

Chief Scientist Lecture at Oxford: On July 23, NASA Chief Scientist Dr. Jim Green will give a virtual lecture at the University of Oxford's St. Cross College Center for the History and Philosophy of Physics on "The Future of Space Activities and Preservation on Mars."

Upcoming Activities

July 2021

July 27-Aug 1

Zurbuchen travel to Kourou, French Guiana for Ariane 5 launch

July TBD

Administrator meeting with SBA Administrator

August 2021

Aug 4-5

ISS Advisory Committee joint meeting with Roscosmos Advisory Expert Council (virtual)

Aug 4-5 (proposed)

Administrator meeting with President, Japan Aerospace Exploration Agency (JAXA) President

Aug 5

Administrator Nelson meeting with Director, National Reconnaissance Office (NRO)

August 17

Briefing on Task Force Report on Unidentified Aerial Phenomena

Aug 18

Administrator Nelson meeting with NOAA Administrator

Aug 22-26

36th Space Symposium, Colorado Springs

Aug 25-Sep 3

UN Committee on the Peaceful Uses of Outer Space (COPUOS)

Aug 29-Sep 4

SMD AA Zurbuchen travel to Europe for meetings with CNES and ESA and remarks at the Swiss Economic Forum

Please let me know if you have any questions or would like additional information.

Regards,

Karen

Karen C. Feldstein

Associate Administrator for

International and Interagency Relations

NASA Headquarters

300 E St SW, Washington DC 20546

Tel: (202) 358-0400

Mobile: b6 [redacted]

Daily Report for Tuesday, June 22

From: Potter, Sean (HQ-NA020) <sean.potter@nasa.gov>
Sent: June 22, 2021 8:00:34 AM EDT
Received: June 22, 2021 8:01:08 AM EDT
Attachments: DAILY REPORT 06-22-2021.docx

Good morning.

Attached and below is today's Communications Daily Report.

Thank you,

Sean Potter

NASA Communications Daily Report

Tuesday, June 22

Activities

·12:30 to 1:30 pm – NBC interview on NASA's search for life with Planetary Sciences Division Director Lori Glaze

oNBC's Tom Costello will interview Lori Glaze on NASA's ongoing work and research in the search for life beyond our own planet.

·3pm – NASA Administrator Bill Nelson live interview with Newsmax on vision for NASA

·Aviation Week interviews with Webb experts

o4:30 pm – Sandra Irish, Webb lead structures engineer; Begoña Vila, Webb instrument systems engineer; Bill Ochs, Webb project manager at Goddard; Scott Willoughby, Webb program manager at Northrop Grumman interview with Irene Klotz of Aviation Week at Northrop Grumman

o5 to 6 pm – Aviation Week interview of Webb team members Scott Willoughby and Bill Ochs

·7 to 8 pm – Virtual Tour: Space Environments Complex at Glenn

oVirtual tour followed by live Q&A with expert for registered guests. The SEC is home to the world's largest and most powerful Space Simulation Vacuum Chamber, which measures 100 ft. in diameter by 122 ft. high. It also boasts the Reverberant Acoustic Test Facility, which can simulate the noise of a spacecraft launch up to 163 decibels; and the Mechanical Vibration Facility, the world's most powerful spacecraft shaker system, which subjects test articles to the rigorous conditions of launch.

·Deutsche Welle interview with Dr. Ravi Kumar Kopparapu of Goddard for story on the UFO/UAP report.

·External Proctor & Gamble media release on NASA Space Act Agreement

·Webb Launch Readiness Exercise #4 concludes at the Space Telescope Science Institute in Baltimore

·Astronaut Jessica Meir for Emory University and Children's Healthcare of Atlanta

oResults of SpaceX's 20th Resupply Mission Research "How Growing Cardiac Stem Cells in Space Can Benefit our Cardiac Kids" in Atlanta.

·Astronaut Kate Rubins with Fox 40 Sacramento on her recent mission to the space station

NASA Television

On Air

·No new programming scheduled

NASA HQ In-Studio Shoots, Productions:

·12:30 pm – Lori Glaze interview with NBC’s Tom Costello via Zoom

Social Media ActivitY

Agency

·Live coverage of Administrator Nelson’s testimony before the House Science Committee on NASA’s FY2022 Budget will air beginning at 10 a.m. EDT. Programming will air on NASA TV, the NASA App, nasa.gov/live and will be promoted on flagship social media accounts.

·Women@NASA posts with flagship amplification to commemorate science fiction author Octavia E. Butler’s birthday. In March, NASA named the landing site of the Perseverance rover “Octavia E. Butler Landing,” after the author.

Solar System and Beyond

·Flagship social media accounts will amplify posts for the Ask an Astrobiologist live show featuring Goddard scientist Heather Graham. The program will stream live at 1 p.m. EDT to the NASA Astrobiology Facebook page.

Other

·NASA Knowledge: The Golden Record in English / Johnson

HQ Products

Release

·[TENTATIVE] RFI Public Meeting Registration

oInformation on how to register for the June 29 Mission Equity RFI event

Media Advisory

·NASA to Air Third Spacewalk to Install New Station Solar Arrays

·Northrop Grumman CRS-15 departure coverage advisory

Contract Release

·[TENTATIVE] NASA Extends Cyclone Global Navigation Satellite System Mission Contract (notifications complete; held from Monday)

·4 pm – Contract Mechanical Integration Services and Technologies (MIST) II contract (held from Monday)

Center Products

Blog Post

·10 am – Artemis I LVSA Foaming and Integration / Kennedy

oBlog post on Artemis I Launch Vehicle Stage Adapter (LVSA) will be mated atop the core stage upon completion of thermal protection system (TPS) foaming.

·2 pm – Ingenuity Flight 8 Recap / JPL

oOperations lead Teddy Tzanetos recaps the flight from Sunday, June 20.

Image/Video

·UTM close-out image feature / Ames

oA multi-image feature marks the close-out of the Unmanned Aircraft Systems Traffic Management project, or UTM. One photo is featured from each year of testing for the four technical capability levels achieved.

Web Articles

·10 am – EPSCoR Feature / Kennedy

oFeature highlighting NASA's Established Program to Stimulate Competitive Research program with an overview of two of the recently funded projects.

·1:30 pm -- A Perseverance Scientist's Favorite Image from Jezero Crater / JPL

oAs part of an occasional series, a Perseverance scientist offers details on her favorite image of Jezero Crater. First up is an image of a feature called Delta Scarp.

Attachment

1. DAILY REPORT 06-22-2021.docx

Type:	application/vnd.openxmlformats-officedocument.wordprocessingml.document
Size:	44 KB (45,747 bytes)

Attachment #1

DAILY REPORT 06-22-2021.docx

Original view

3 pages (displayed on pages 6 to 8)

NASA Communications Daily Report

Tuesday, June 22

ACTIVITIES

- 12:30 to 1:30 pm – NBC interview on NASA's search for life with Planetary Sciences Division Director Lori Glaze
  - NBC's Tom Costello will interview Lori Glaze on NASA's ongoing work and research in the search for life beyond our own planet.
- 3pm – NASA Administrator Bill Nelson live interview with Newsmax on vision for NASA
- Aviation Week interviews with Webb experts
  - 4:30 pm – Sandra Irish, Webb lead structures engineer; Begoña Vila, Webb instrument systems engineer; Bill Ochs, Webb project manager at Goddard; Scott Willoughby, Webb program manager at Northrop Grumman interview with Irene Klotz of Aviation Week at Northrop Grumman
  - 5 to 6 pm – Aviation Week interview of Webb team members Scott Willoughby and Bill Ochs
- 7 to 8 pm – Virtual Tour: Space Environments Complex at Glenn
  - Virtual tour followed by live Q&A with expert for registered guests. The SEC is home to the world's largest and most powerful Space Simulation Vacuum Chamber, which measures 100 ft. in diameter by 122 ft. high. It also boasts the Reverberant Acoustic Test Facility, which can simulate the noise of a spacecraft launch up to 163 decibels; and the Mechanical Vibration Facility, the world's most powerful spacecraft shaker system, which subjects test articles to the rigorous conditions of launch.
- Deutsche Welle interview with Dr. Ravi Kumar Kopparapu of Goddard for story on the UFO/UAP report.
- External Proctor & Gamble media release on NASA Space Act Agreement
- Webb Launch Readiness Exercise #4 concludes at the Space Telescope Science Institute in Baltimore
- Astronaut Jessica Meir for Emory University and Children's Healthcare of Atlanta
  - Results of SpaceX's 20th Resupply Mission Research "How Growing Cardiac Stem Cells in Space Can Benefit our Cardiac Kids" in Atlanta.
- Astronaut Kate Rubins with Fox 40 Sacramento on her recent mission to the space station

NASA TELEVISION

On Air

- No new programming scheduled

NASA HQ In-Studio Shoots, Productions:

- 12:30 pm – Lori Glaze interview with NBC's Tom Costello via Zoom

SOCIAL MEDIA ACTIVITY

Agency

- Live coverage of Administrator Nelson's testimony before the House Science Committee on NASA's FY2022 Budget will air beginning at 10 a.m. EDT. Programming will air on NASA TV, the NASA App, nasa.gov/live and will be promoted on flagship social media accounts.
- Women@NASA posts with flagship amplification to commemorate science fiction author Octavia E. Butler's birthday. In March, NASA named the landing site of the Perseverance rover "Octavia E. Butler Landing," after the author.

Solar System and Beyond

- Flagship social media accounts will amplify posts for the Ask an Astrobiologist live show featuring Goddard scientist Heather Graham. The program will stream live at 1 p.m. EDT to the NASA Astrobiology Facebook page.

Other

- NASA Knowledge: The Golden Record in English / Johnson

HQ PRODUCTS

Release

- [TENTATIVE] RFI Public Meeting Registration
  - Information on how to register for the June 29 Mission Equity RFI event

Media Advisory

- NASA to Air Third Spacewalk to Install New Station Solar Arrays
- Northrop Grumman CRS-15 departure coverage advisory

Contract Release

- [TENTATIVE] NASA Extends Cyclone Global Navigation Satellite System Mission Contract *(notifications complete; held from Monday)*
- 4 pm – Contract Mechanical Integration Services and Technologies (MIST) II contract *(held from Monday)*

CENTER PRODUCTS

Blog Post

- 10 am – Artemis I LVSA Foaming and Integration / Kennedy
  - Blog post on Artemis I Launch Vehicle Stage Adapter (LVSA) will be mated atop the core stage upon completion of thermal protection system (TPS) foaming.
- 2 pm – Ingenuity Flight 8 Recap / JPL
  - Operations lead Teddy Tzanetos recaps the flight from Sunday, June 20.

Image/Video

- UTM close-out image feature / Ames
  - A multi-image feature marks the close-out of the Unmanned Aircraft Systems Traffic Management project, or UTM. One photo is featured from each year of testing for the four technical capability levels achieved.

Web Articles

- 10 am – EPSCoR Feature / Kennedy
    - Feature highlighting NASA's Established Program to Stimulate Competitive Research program with an overview of two of the recently funded projects.
- 1:30 pm -- A Perseverance Scientist's Favorite Image from Jezero Crater / JPL
    - As part of an occasional series, a Perseverance scientist offers details on her favorite image of Jezero Crater. First up is an image of a feature called Delta Scarp.

FYI: For Awareness: Search for Life Web Feature for Publishing 6/25

From:	Petree, Kirsten (HQ-DA000)[BOOZ ALLEN HAMILTON] <kirsten.petree@nasa.gov>
To:	Connelly, Sandra (HQ-DA000) <sandra.connelly@nasa.gov>
Sent:	June 25, 2021 12:17:09 PM EDT
Received:	June 25, 2021 12:17:27 PM EDT
Attachments:	Searching for Life feature_final.docx

FYI: Going out later today.

From: O'Connor, Courtney M (HQ-1862)[MORI ASSOCIATES INC] <courtney.m.oconnor@nasa.gov>
Sent: Friday, June 25, 2021 11:42 AM
To: Keshian, Jaclyn R. (HQ-VA000) <jaclyn.r.keshian@nasa.gov>; Rowe, Andrew (HQ-VA030) <andrew.rowe@nasa.gov>; Belson, DaMara (HQ-IA000) <damara.m.belson@nasa.gov>; Kerwin, Mary D. (HQ-IA000) <mary.d.kerwin@nasa.gov>; Petree, Kirsten (HQ-DA000)[BOOZ ALLEN HAMILTON] <kirsten.petree@nasa.gov>; Bentley, Elaine M. (GSFC-619.0)[ADNET SYSTEMS INC] <elaine.m.bentley@nasa.gov>
Cc: Beutel, Allard (HQ-NA020) <allard.beutel@nasa.gov>; Thompson, Tabatha T. (HQ-NA020) <tabatha.t.thompson@nasa.gov>; Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>; Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>; Furfaro, Emily M. (HQ-DO000) <emily.furfaro@nasa.gov>
Subject: For Awareness: Search for Life Web Feature for Publishing 6/25

Hi everyone,

Attached for awareness is a web feature about NASA’s search for life and astrobiology-related missions that we are looking to publish today, 6/25. This will be timed with the UFO / UAP report that we are expecting to publish this afternoon.

Please let me know if there are any questions.

Thank you!

Courtney

Courtney O’Connor

NASA Headquarters

Digital Media Strategist

Courtney.M.OConnor@nasa.gov

Attachment

1. Searching for Life feature_final.docx

Type:	application/vnd.openxmlformats-officedocument.wordprocessingml.document
Size:	23 KB (23,677 bytes)

Attachment #1

Searching for Life feature_final.docx

Original view

6 pages (displayed on pages 4 to 9)

NASA's Search for Life: Astrobiology in the Solar System and Beyond

Are we alone in the universe? So far, the only life we know of is right here on Earth. But here at NASA, we're looking.

NASA is exploring the solar system and beyond to help us answer fundamental questions about life beyond our home planet. From studying the habitability of Mars, probing promising "oceans worlds," such as Titan and Europa, to identifying Earth-size planets around distant stars, our science missions are working together with a goal to find unmistakable signs of life beyond Earth (a field of science called astrobiology).

Through the study of astrobiology, NASA invests in understanding the origins, evolution, and limits of life on Earth. This work has been important in shaping ideas about where to focus search for life efforts. As NASA explores the solar system, our understanding of life on Earth and the potential for life on other worlds has changed alongside the many discoveries. The study of organisms in extreme environments on Earth, from the polar plateau of Antarctica to the depths of the ocean, have highlighted that life as we know it is highly adaptable, but not always easy to find. The search for life requires great care, and is based in the knowledge we gain by studying life on Earth through the lens of astrobiology. If there's something out there, we may not yet know how to recognize it.

Dive into the past, present, and future of NASA's search for life in the universe.

Past Missions

Viking 1 and 2
Over 45 years ago, the Viking Project found a place in history when it became the first U.S. mission to land a spacecraft safely on the surface of Mars.

Viking 1 and 2, each consisting of an orbiter and a lander, were NASA's first attempt to search for life on another planet and thus the first mission dedicated to astrobiology. The mission's biology experiments revealed unexpected chemical activity in the Martian soil, but provided no clear evidence for the presence of living microorganisms near the landing sites.

Galileo
NASA's Galileo mission orbited Jupiter for almost eight years, and made close passes by all its major moons. Galileo returned data that continues to shape astrobiology science — particularly the discovery that Jupiter's icy moon Europa has evidence of a subsurface ocean with more water than the total amount of liquid water found on Earth. These findings also expanded the search for habitable environments outside of the traditional "habitable zone" of a system, the distance from a star at which liquid water can persist on the surface of a planet.

Cassini

For more than a decade, the Cassini spacecraft shared the wonders of Saturn and its family of icy moons — taking us to astonishing worlds and expanding our understanding of the kinds of worlds where life might exist.

For the first time, astrobiologists were able to see through the thick atmosphere of Titan and study the moon's surface, where they found lakes and seas filled with liquid hydrocarbons. Astrobiologists are studying what these liquid hydrocarbons could mean for life's potential on Titan. Cassini also witnessed icy plumes erupting from Saturn's small moon Enceladus. When flying through the plumes, the spacecraft found evidence of saltwater and organic chemicals. This raised questions about whether habitable environments could exist beneath the surface of Enceladus.

Spirit and Opportunity Mars Exploration Rovers
NASA's twin Mars Exploration Rovers, Spirit and Opportunity, launched towards Mars in 2003 in search of answers about the history of water on Mars. Originally a three-month prime mission, both robotic explorers far outlasted their original missions and spent years collecting data at the surface of Mars.

Spirit and Opportunity were the first mission to prove liquid water, a key ingredient for life, had once flowed across the surface of Mars. Their findings shaped our understanding of Mars' geology and past environments, and importantly suggested Mars' ancient environments may once have been suitable for life.

Kepler and K2
NASA's first planet-hunting mission, the Kepler Space Telescope, paved the way for our search for life in the solar system and beyond. An important part of Kepler's work was the identification of Earth-size planets around distant stars.

After nine years in deep space, collecting data that indicate our sky to be filled with billions of hidden planets – more planets even than stars – the space telescope retired in 2018. Kepler left a legacy of more than 2,600 exoplanet discoveries, many of which could be promising places for life.

Spitzer
Over its sixteen years in space, the Spitzer Space Telescope evolved into a premier tool for studying exoplanets, using its infrared view of the universe. Spitzer marked a new age in planetary science as one of the first telescopes to directly detect light from the atmospheres of planets outside the solar system, or exoplanets. This enabled scientists to study the composition of those atmospheres and even learn about the weather on these distant worlds.

Spitzer's infrared instruments allowed scientists to peer into cosmic regions that are hidden from optical telescopes, including dusty stellar nurseries, the centers of galaxies, and newly forming planetary systems. Spitzer's infrared eyes also enabled astronomers to see cooler

objects in space, like failed stars (brown dwarfs), extrasolar planets, giant molecular clouds, and organic molecules that may hold the secret to life on other planets.

Current Missions

Hubble
Since it launched in 1990, the Hubble Space Telescope has made immense contributions to astrobiology. Astronomers used Hubble to make the first measurements of the atmospheric composition of extrasolar planets, and Hubble is now vigorously characterizing exoplanet atmospheres with constituents such as sodium, hydrogen, and water vapor. Hubble observations are also providing clues about how planets form, through studies of dust and debris disks around young stars.

Not all of Hubble's contributions involve distant targets. Hubble has also been used to study bodies within the solar system, including asteroids, comets, planets, and moons, such as the intriguing ocean-bearing icy moons Europa and Ganymede. Hubble has provided invaluable insight into life's potential in the solar system and beyond.

MAVEN
NASA's atmosphere-sniffing Mars Atmosphere and Volatile Evolution (MAVEN) mission launched in November 2013 and began orbiting Mars roughly a year later. Since that time, the mission has made fundamental contributions to understanding the history of the Martian atmosphere and climate.

Astrobiologists are working with this atmospheric data to better understand how and when Mars lost its water and identifying periods in Mars' history when habitable environments were most likely to exist at the planet's surface.

Mars Odyssey
For two decades, NASA's Mars Odyssey – the longest-lived spacecraft at the Red Planet – has helped locate ice, assess landing sites, and study the planet's mysterious moons.

Odyssey has provided global maps of chemical elements and minerals that make up the surface of Mars. These detailed maps are used by astrobiologists to determine the evolution of the Martian environment and its potential for life.

Mars Reconnaissance Orbiter
NASA's Mars Reconnaissance Orbiter (MRO) is on a search for evidence that water persisted on the surface of Mars for a long period of time. While other Mars missions have shown that water flowed across the surface in Mars' history, it remains a mystery whether water was ever around long enough to provide a habitat for life.

Data from MRO is essential to astrobiologists studying the potential for habitable environments on past and present Mars. Additionally, these studies are important in building climate models

for Mars, and for use in comparative planetology studies for the potential habitability of exoplanets that orbit distant stars.

Curiosity Mars Rover
The Curiosity Mars rover is studying whether Mars ever had environments capable of supporting microbial life. In other words, its mission is to determine whether the planet had all of the ingredients life needs – such as water, carbon, and a source of energy – by studying its climate and geology.

It's been nearly nine years since Curiosity touched down on Mars in 2012, and the robot geologist keeps making new discoveries. Curiosity provided evidence that freshwater lakes filled Gale Grater billions of years ago. Lakes and groundwater persisted for millions of years and contained all the key elements necessary for life, demonstrating Mars was once habitable.

TESS Mission
The Transiting Exoplanet Survey Satellite (TESS) is the next step in the search for planets outside of our solar system, including those that could support life. Launched in 2018, TESS is on a mission to survey the entire sky and is expected to discover and catalogue thousands of exoplanets around nearby bright stars.

To date, TESS has discovered more than 120 confirmed exoplanets and more than 2,600 planet candidates. The planet-hunter will continue to find exoplanets targets that NASA's upcoming James Webb Space Telescope will study in further detail.

Perseverance Mars Rover
NASA's newest robot astrobiologist, the Perseverance Mars rover, touched down safely on Mars on February 18, 2021, and is kicking off a new era of exploration on the Red Planet. Perseverance will search for signs of ancient microbial life, which will advance the agency's quest to explore the past habitability of Mars.

What really sets this mission apart is that the rover has a drill to collect core samples of Martian rock and soil, and will store them in sealed tubes for pickup by a future Mars Sample Return mission that would ferry them back to Earth for detailed analysis.

Upcoming Missions

James Webb Space Telescope
The James Webb Space Telescope (Webb), slated to launch in 2021, will be the premier space-based observatory of the next decade. Webb is a large infrared telescope with a 6.5-meter primary mirror.

Webb observations will be used to study every phase in the history of the universe, including planets and moons in our solar system, and the formation of distant solar systems potentially capable of supporting life on Earth-like exoplanets. The Webb telescope will also be capable of

making detailed observations of the atmospheres of planets orbiting other stars, to search for the building blocks of life on Earth-like planets beyond our solar system.

Europa Clipper Mission
Jupiter's moon Europa may have the potential to harbor life. The Europa Clipper mission will conduct detailed reconnaissance of Europa and investigate whether the icy moon could harbor conditions suitable for life. Targeting a 2024 launch, the mission will place a spacecraft in orbit around Jupiter in order to perform a detailed investigation of Europa — a world that shows strong evidence for an ocean of liquid water beneath its icy crust.

Europa Clipper is not a life-detection mission, though it will investigate whether the icy moon, with its subsurface ocean, has the capability to support life. Understanding Europa's habitability will help scientists better understand how life developed on Earth and the potential for finding life beyond our planet.

Dragonfly Mission to Titan
The Dragonfly mission will deliver a rotorcraft to visit Saturn's largest and richly organic moon, Titan. Slated for launch in 2026 and arrival in 2034, Dragonfly will sample and examine dozens of promising sites around Saturn's icy moon and advance our search for the building blocks of life.

This revolutionary mission will explore diverse locations to look for prebiotic chemical processes common on both Titan and Earth. Titan is an analog to the very early Earth, and can provide clues to how prebiotic chemistry under these conditions may have progressed.

Nancy Grace Roman Telescope
Slated to launch in the mid-2020s, the Roman Space Telescope will have a field of view that is 200 times greater than the Hubble infrared instrument, capturing more of the sky with less observing time. In addition to ground-breaking astrophysics and cosmology, the primary instrument on Roman, the Wide Field Instrument, has a rich menu of exoplanet science. It will perform a microlensing survey of the inner Milky Way that will reveal thousands of worlds orbiting within the habitable zone of their star and farther out, while providing an additional bounty of more than 100,000 transiting exoplanets.

The mission will also be fitted with "starglasses," a coronagraph instrument that can block out the glare from a star and allow astronomers to directly image giant planets in orbit around it. The coronagraph will provide the first in-space demonstration of technologies needed for future missions to image and characterize smaller, rocky planets in the habitable zones of nearby stars. Roman coronagraph will make observations that could contribute to the discovery of new worlds beyond our solar system and advance the study of extrasolar planets that could be suitable for life.

Learn more about the NASA Astrobiology Program:

https://astrobiology.nasa.gov/

FW: FIRST UPDATE - UFO Report

From:	Etkind, Marc R. (HQ-NA000) <marc.r.etkind@nasa.gov>
To:	McGuinness, Jackie (HQ-NA000) <jackie.mcguinness@nasa.gov>, Brown, Alicia N. (HQ-VA000) <alicia.n.brown@nasa.gov>, Gulley, Bryan F. (HQ-NA000) <bryan.f.gulley@nasa.gov>, Quinn, Susie Perez (HQ-AH000) <susie.p.quinn@nasa.gov>, Lal, Bhavya (HQ-AA000) <bhavya.lal@nasa.gov>, Dalton, Bale (HQ-AH000) <bale.dalton@nasa.gov>
Sent:	June 25, 2021 4:59:55 PM EDT
Received:	June 25, 2021 4:59:57 PM EDT

From: "Jacobs, Bob (HQ-NA000)" <bob.jacobs@nasa.gov>
Date: Friday, June 25, 2021 at 4:58 PM
To: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>, "Stephenson, Johnny F. (MSFC-NA000)" <johnny.f.stephenson@nasa.gov>, "Beutel, Allard (HQ-NA020)" <allard.beutel@nasa.gov>, "Thompson, Tabatha T. (HQ-NA020)" <tabatha.t.thompson@nasa.gov>, Brittany Brown <brittany.a.brown@nasa.gov>
Subject: FIRST UPDATE - UFO Report

https://www.dni.gov/files/ODNI/documents/assessments/Prelimary-Assessment-UAP-20210625.pdf <https://gcc02.safelinks.protection.outlook.com/?url=https://www.dni.gov/files/ODNI/documents/assessments/Prelimary-Assessment-UAP-20210625.pdf&data=04|01|bhavya.lal@nasa.gov|0c41a531b1154170ad7108d9381c2f5f|7005d45845be48ae8140d43da96dd17b|0|0|637602515973070753|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0=|1000&sdata=FIX8SKj18xxJ7UY5jzsdhpZiLxYoyjARcvujL7trXvc=&reserved=0>

We can expect inquiries accordingly.

bj

UAP Report (public)

From: Lal, Bhavya (HQ-AA000) </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8F41245EAB914300A3D5B858A7F1720C-LAL, BHAVYA>, Lal, Bhavya (HQ-AA000) <"/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8F41245EAB914300A3D5B858A7F1720C-LAL, BHAVYA">
To: Melroy, Pamela A. (HQ-AB000) <pamela.a.melroy@nasa.gov>
Sent: June 25, 2021 5:40:57 PM EDT
Received: June 25, 2021 5:40:57 PM EDT

The public version is out.

Bhavya Lal, Ph.D.

b6 [redacted]

Begin Forwarded Message:

From: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>
Subject: FW: FIRST UPDATE - UFO Report
Date: 25 June 2021 17:00
To: "McGuinness, Jackie (HQ-NA000)" <jackie.mcguinness@nasa.gov>, "Brown, Alicia N. (HQ-VA000)" <alicia.n.brown@nasa.gov>, "Gulley, Bryan F. (HQ-NA000)" <bryan.f.gulley@nasa.gov>, "Quinn, Susie Perez (HQ-AH000)" <susie.p.quinn@nasa.gov>, "Lal, Bhavya (HQ-AA000)" <bhavya.lal@nasa.gov>, "Dalton, Bale (HQ-AH000)" <bale.dalton@nasa.gov>

From: "Jacobs, Bob (HQ-NA000)" <bob.jacobs@nasa.gov>
Date: Friday, June 25, 2021 at 4:58 PM
To: "Etkind, Marc R. (HQ-NA000)" <marc.r.etkind@nasa.gov>, "Stephenson, Johnny F. (MSFC-NA000)" <johnny.f.stephenson@nasa.gov>, "Beutel, Allard (HQ-NA020)" <allard.beutel@nasa.gov>, "Thompson, Tabatha T. (HQ-NA020)" <tabatha.t.thompson@nasa.gov>, Brittany Brown <brittany.a.brown@nasa.gov>
Subject: FIRST UPDATE - UFO Report

https://www.dni.gov/files/ODNI/documents/assessments/Prelimary-Assessment-UAP-20210625.pdf <https://gcc02.safelinks.protection.outlook.com/?url=https://www.dni.gov/files/ODNI/documents/assessments/Preliminary-Assessment-UAP-20210625.pdf&data=04|01|bhavya.lal@nasa.gov|0c41a531b1154170ad7108d9381c2f5f|7005d45845be48ae8140d43da96dd17b|0|0|637602515973070753|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0=|1000&sdata=FIX8SKj18xxJ7UY5jzsdhpZiLxYoyjARcvujL7trXvc=&reserved=0>

We can expect inquiries accordingly.

bj

Daily Report for Tuesday, June 29

From: Potter, Sean (HQ-NA020) <sean.potter@nasa.gov>
Sent: June 29, 2021 7:53:23 AM EDT
Received: June 29, 2021 7:53:47 AM EDT
Attachments: DAILY REPORT 06-29-2021.docx

Good morning.

Attached and below is today's Communications Daily Report.

Thank you,

Sean Potter

NASA Communications Daily Report

Tuesday, June 29

Activities

·9 am – Sen. Nelson at Best Places to Work Event

·9 am to 1 pm – CBS Sunday Morning News Interview at JPL on Drought in West

oThe interview will be with hydrologist JT Reager.

·10:30 am – Sen. Nelson Interview with Bloomberg TV on commercialization

·10:30 to 11 am – Phil McAlister, director of commercial spaceflight development, interview with AP's Marcia Dunn about the agency's efforts to grow a strong low-Earth orbit economy

·11 am – Sen. Nelson records NASA Science Live video for Asteroid Day and KSC Indian River Bridge video

·11 am to 1 pm – Kathy Lueders Artemis update to National Academy of Engineering

·12:25 pm – Northrop Grumman CRS-15 Cygnus departure from International Space Station; live coverage on NASA TV begins at 12 pm.

·2:00 pm – Sen. Nelson Interview with Discovery on UAP report

·7:27 pm – Progress 78 launch from Baikonur Cosmodrome in Kazakhstan; live coverage on NASA TV begins at 7 pm

·Astronaut Mike Barratt for 16th Annual Space Life Sciences Summer Institute in Houston

·Launch of SpaceX Transporter-2 with NASA CubeSats

oSpaceX Transporter-2 rideshare mission will launch from Cape Canaveral Space Force Station in Florida. Includes the TROPICS pathfinder CubeSat, as well as two technology demonstration missions – PACE-1, and TILE-3, that will fly on CubeSat platforms.

·Webb presentations at the European Astronomical Society

·Anniversary: Launch of first nuclear powered satellite (Transit 4A) (1961)

Social Media Activity

Agency

·Pride Month – New edition of Faces of NASA web feature released for Pride month.

Humans in Space

·Live coverage of the release of the Northrop Grumman “SS Katherine Johnson” Cygnus Cargo Craft from the International Space Station is scheduled for release at 12:25 pm. Coverage will be airing on NASA TV, the NASA App, nasa.gov/live and NASA flagship social media accounts.

·Live coverage of the launch of the ISS Progress 78 Cargo Ship to the International Space Station from the Baikonur Cosmodrome in Kazakhstan launch scheduled for 7:27 pm, airing on NASA TV, the NASA App, and nasa.gov/live.

Moon to Mars

·Flagship social media accounts will share communications products for the conclusion of the Purposeful Passengers – Name the Artemis Moonikin Challenge. Products include a news release and a Tumblr post.

Space Tech

·Flagship will amplify Space Tech social media products surrounding the newest edition of NASA’s Software catalog.

NASA Television

On Air

·12 pm – Coverage of the Release of the Northrop Grumman “SS Katherine Johnson” Cygnus Cargo Craft from the International Space Station (release scheduled at 12:25 p.m. EDT)

·7 pm – Coverage of the Launch of the ISS Progress 78 Cargo Ship to the International Space Station from the Baikonur Cosmodrome in Kazakhstan (Launch scheduled at 7:27 p.m. EDT)

In Production

·10:30 am – Sen. Nelson interview with Bloomberg

·11 am – Record Teleprompter Message for NASA Science Live

·11:15 am – Record Teleprompter Message for Indian River Bridge Award

·2 pm – Sen. Nelson interview with Discovery

HQ Products

Release

·Best Place to Work Results

·Available for Download, NASA Software Benefits Earth

oNASA's computational innovations are readily available for applications beyond space, including benefiting our home planet. The agency’s latest software catalog has dozens of new codes available for free download.

·Public Names ‘Moonikin’ Flying Around Moon on NASA’s Artemis I Mission

Web Article

·9 am – After 60 Years, Nuclear Power for Spaceflight is Still Tried and True

oSix decades after the launch of the first nuclear-powered space mission, Transit IV-A, NASA is embarking on a bold future of human exploration and scientific discovery. This future builds on a proud history of safely launching and operating nuclear-powered missions in space.

·11 am – Abnormally High Alcohol, Mystery Heat Source Detected on Comet Wirtanen

oA study using Keck Observatory data finds that Comet 46P/Wirtanen was releasing an unusual amount of alcohol as it made its historic flyby of Earth two and a half years ago.

·12 pm – Black Holes Make Tsunamis in Computer Simulations

Center Products

Blog Post

·3 pm – ELaNa 33 CubeSat Deployment / Kennedy

oThe ELaNa 33 CubeSat IT-SPINS, created by Montana State University, will deploy after the NG-15 Cygnus spacecraft undocks from the ISS.

·[TENTATIVE] Ingenuity Flight 9 Preview / JPL

oIngenuity chief pilot Havard Grip looks ahead at what could be an ambitious next flight.

Web Articles

·11 am – Scientists Closer to Explaining Mars Methane Mystery / Goddard

oScientists closer to settling the question: Why do some instruments detect methane on Mars while others don’t?

·12 pm – Evergreen story about PACE series of CubeSat missions / Ames (held from Monday)

oEvergreen webpage about the Payload Accelerator for CubeSat Endeavors, or PACE, initiative's series of missions. The timing of the feature is tied to the launch of the first mission, PACE-1, on SpaceX's Transporter-2 rideshare mission.

·[TENTATIVE] 3:30 pm – NASA Launches First of Six Tiny Satellites to Keep a Near-constant Eye / Goddard

oNASA launched a test satellite or Pathfinder, ahead of a constellation of six small satellites that will work together to provide near hourly updates of hurricanes and tropical cyclones. Also tied to Transporter-2 rideshare launch.

·Endowing Satellite Swarms With a Hive Mind / Goddard

oUsing machine learning, swarms of SmallSats buzzing around Earth could coordinate amongst themselves to collect data on important weather patterns at different times of the day or year, and from multiple angles. Such swarms could revolutionize scientists' understanding of weather and climate changes.

·NASA Satellites See Climate-Driven Upper Atmosphere Cooling and Shrink / Goddard

oThe sky isn't falling, but scientists have found the upper atmosphere is gradually dropping in response to rising human-produced greenhouse gas emissions. Combined data from three NASA satellites have produced the first long-term record that reveals a particular layer of the atmosphere, the mesosphere, is both cooling and shrinking.

Attachment

1. DAILY REPORT 06-29-2021.docx

Type:	application/vnd.openxmlformats-officedocument.wordprocessingml.document
Size:	45 KB (46,405 bytes)

Attachment #1

DAILY REPORT 06-29-2021.docx

Original view

3 pages (displayed on pages 7 to 9)

NASA Communications Daily Report

Tuesday, June 29

ACTIVITIES

- 9 am – Sen. Nelson at Best Places to Work Event
- 9 am to 1 pm – CBS Sunday Morning News Interview at JPL on Drought in West
  - The interview will be with hydrologist JT Reager.
- 10:30 am – Sen. Nelson Interview with Bloomberg TV on commercialization
- 10:30 to 11 am – Phil McAlister, director of commercial spaceflight development, interview with AP's Marcia Dunn about the agency's efforts to grow a strong low-Earth orbit economy
- 11 am – Sen. Nelson records NASA Science Live video for Asteroid Day and KSC Indian River Bridge video
- 11 am to 1 pm – Kathy Lueders Artemis update to National Academy of Engineering
- 12:25 pm – Northrop Grumman CRS-15 Cygnus departure from International Space Station; live coverage on NASA TV begins at 12 pm.
- 2:00 pm – Sen. Nelson Interview with Discovery on UAP report
- 7:27 pm – Progress 78 launch from Baikonur Cosmodrome in Kazakhstan; live coverage on NASA TV begins at 7 pm
- Astronaut Mike Barratt for 16th Annual Space Life Sciences Summer Institute in Houston
- Launch of SpaceX Transporter-2 with NASA CubeSats
  - SpaceX Transporter-2 rideshare mission will launch from Cape Canaveral Space Force Station in Florida. Includes the TROPICS pathfinder CubeSat, as well as two technology demonstration missions – PACE-1, and TILE-3, that will fly on CubeSat platforms.
- Webb presentations at the European Astronomical Society
- Anniversary: Launch of first nuclear powered satellite (Transit 4A) (1961)

SOCIAL MEDIA ACTIVITY

Agency

- Pride Month – New edition of Faces of NASA web feature released for Pride month.

Humans in Space

- Live coverage of the release of the Northrop Grumman "SS Katherine Johnson" Cygnus Cargo Craft from the International Space Station is scheduled for release at 12:25 pm. Coverage will be airing on NASA TV, the NASA App, nasa.gov/live and NASA flagship social media accounts.
- Live coverage of the launch of the ISS Progress 78 Cargo Ship to the International Space Station from the Baikonur Cosmodrome in Kazakhstan launch scheduled for 7:27 pm, airing on NASA TV, the NASA App, and nasa.gov/live.

Moon to Mars

- Flagship social media accounts will share communications products for the conclusion of the Purposeful Passengers – Name the Artemis Moonikin Challenge. Products include a news release and a Tumblr post.

Space Tech

- Flagship will amplify Space Tech social media products surrounding the newest edition of NASA's Software catalog.

NASA TELEVISION

On Air

- 12 pm – Coverage of the Release of the Northrop Grumman "SS Katherine Johnson" Cygnus Cargo Craft from the International Space Station (release scheduled at 12:25 p.m. EDT)
- 7 pm – Coverage of the Launch of the ISS Progress 78 Cargo Ship to the International Space Station from the Baikonur Cosmodrome in Kazakhstan (Launch scheduled at 7:27 p.m. EDT)

In Production

- 10:30 am – Sen. Nelson interview with Bloomberg
- 11 am – Record Teleprompter Message for NASA Science Live
- 11:15 am – Record Teleprompter Message for Indian River Bridge Award
- 2 pm – Sen. Nelson interview with Discovery

HQ PRODUCTS

Release

- Best Place to Work Results
- Available for Download, NASA Software Benefits Earth
    - NASA's computational innovations are readily available for applications beyond space, including benefiting our home planet. The agency's latest software catalog has dozens of new codes available for free download.
- Public Names 'Moonikin' Flying Around Moon on NASA's Artemis I Mission

Web Article

- 9 am – After 60 Years, Nuclear Power for Spaceflight is Still Tried and True
    - Six decades after the launch of the first nuclear-powered space mission, Transit IV-A, NASA is embarking on a bold future of human exploration and scientific discovery. This future builds on a proud history of safely launching and operating nuclear-powered missions in space.
- 11 am – Abnormally High Alcohol, Mystery Heat Source Detected on Comet Wirtanen
    - A study using Keck Observatory data finds that Comet 46P/Wirtanen was releasing an unusual amount of alcohol as it made its historic flyby of Earth two and a half years ago.
- 12 pm – Black Holes Make Tsunamis in Computer Simulations

CENTER PRODUCTS

Blog Post

- 3 pm – ELaNa 33 CubeSat Deployment / Kennedy
    - The ELaNa 33 CubeSat IT-SPINS, created by Montana State University, will deploy after the NG-15 Cygnus spacecraft undocks from the ISS.
- [TENTATIVE] Ingenuity Flight 9 Preview / JPL
    - Ingenuity chief pilot Havard Grip looks ahead at what could be an ambitious next flight.

Web Articles

- 11 am – Scientists Closer to Explaining Mars Methane Mystery / Goddard
    - Scientists closer to settling the question: Why do some instruments detect methane on Mars while others don't?
- 12 pm – Evergreen story about PACE series of CubeSat missions / Ames *(held from Monday)*
    - Evergreen webpage about the Payload Accelerator for CubeSat Endeavors, or PACE, initiative's series of missions. The timing of the feature is tied to the launch of the first mission, PACE-1, on SpaceX's Transporter-2 rideshare mission.
- [TENTATIVE] 3:30 pm – NASA Launches First of Six Tiny Satellites to Keep a Near-constant Eye / Goddard
    - NASA launched a test satellite or Pathfinder, ahead of a constellation of six small satellites that will work together to provide near hourly updates of hurricanes and tropical cyclones. Also tied to Transporter-2 rideshare launch.
- Endowing Satellite Swarms With a Hive Mind / Goddard
    - Using machine learning, swarms of SmallSats buzzing around Earth could coordinate amongst themselves to collect data on important weather patterns at different times of the day or year, and from multiple angles. Such swarms could revolutionize scientists' understanding of weather and climate changes.
- NASA Satellites See Climate-Driven Upper Atmosphere Cooling and Shrink / Goddard
    - The sky isn't falling, but scientists have found the upper atmosphere is gradually dropping in response to rising human-produced greenhouse gas emissions. Combined data from three NASA satellites have produced the first long-term record that reveals a particular layer of the atmosphere, the mesosphere, is both cooling and shrinking.