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**April 28, 2021**

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| MISSION TASK NAME | MILESTONES |           |                  | LAUNCH VEHICLE | LAUNCH SITE<br>OR RETURN SITE | CHAIR | SMA REP. |
|-------------------|------------|-----------|------------------|----------------|-------------------------------|-------|----------|
|                   | Pre-SMSR   | SMSR/SMSA | LAUNCH<br>OR OPS |                |                               |       |          |
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|                                                                                                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------------------|--------------|---------------------|-----|-------|
| SpaceX Crew 3                                                                                                                                                                                                                                                                                                                                                    | TBD       | TBD       | TBD                 | Falcon 9     | KSC                 | HQ  | RG    |
| Comments: SORR: TBD; FRR: TBD (Source: CoFR Matrix dated 4/16/2021)                                                                                                                                                                                                                                                                                              |           |           |                     |              |                     |     |       |
| Boeing-CFT (crewed)                                                                                                                                                                                                                                                                                                                                              | TBD       | TBD       | TBD                 | Atlas V N22  | CCAFS               | HQ  | RG    |
| Comments: SORR: TBD; FRR: TBD (Source: CoFR Matrix dated 4/16/2021)                                                                                                                                                                                                                                                                                              |           |           |                     |              |                     |     |       |
| SpaceX Crew 2 Return                                                                                                                                                                                                                                                                                                                                             | TBD       | TBD       | TBD                 | N/A          | Atlantic Ocean      | HQ  | RG    |
| Comments: SORR: TBD; FRR: TBD (Source: CoFR Matrix dated 4/16/2021)                                                                                                                                                                                                                                                                                              |           |           |                     |              |                     |     |       |
| 75P Disposal                                                                                                                                                                                                                                                                                                                                                     | TBD       | TBD       | Undock<br>4/27/2021 | N/A          | South Pacific Ocean | JSC | GW    |
| Comments: SORR: 4/26/2021 (Source: CoFR Matrix dated 4/5/2021)                                                                                                                                                                                                                                                                                                   |           |           |                     |              |                     |     |       |
| SpaceX Crew 1 Return                                                                                                                                                                                                                                                                                                                                             | TBD       | 4/13/2021 | Undock<br>5/1/2021  | N/A          | Atlantic Ocean      | HQ  | RG    |
| Comments: SORR: 3/29/2021, FRR: 4/15/2021 (Source: CoFR Matrix dated 2/18/2021)                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |
| SpaceX-22                                                                                                                                                                                                                                                                                                                                                        | TBD       | TBD       | 6/3/2021            | Falcon 9     | CCAFS               | JSC | GW    |
| Comments: SORR: 5/13/2021 (Source: CoFR Matrix dated 2/19/2021)                                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |
| 78P Disposal                                                                                                                                                                                                                                                                                                                                                     | TBD       | TBD       | Undock<br>6/28/2021 | N/A          | South Pacific Ocean | JSC | GW    |
| Comments: SORR: 6/16/2021 (Source: CoFR Matrix dated 2/19/2021)                                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |
| 3R (MLM)                                                                                                                                                                                                                                                                                                                                                         | TBD       | TBD       | 7/15/2021           | Proton M     | Kazakhstan          | HQ  | GW    |
| Comments: SORR: 6/24/2021; FRR: 7/8/2021 (Source: CoFR Matrix dated 2/19/2021)                                                                                                                                                                                                                                                                                   |           |           |                     |              |                     |     |       |
| 77P Disposal                                                                                                                                                                                                                                                                                                                                                     | TBD       | TBD       | Undock<br>7/17/2021 | N/A          | South Pacific Ocean | JSC | GW    |
| Comments: SORR: 6/16/2021 (Source: CoFR Matrix dated 2/19/2021)                                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |
| Northrup Grumman-16                                                                                                                                                                                                                                                                                                                                              | TBD       | TBD       | 8/1/2021            | Antares 230+ | Wallops             | JSC | GW    |
| Comments: SORR: 7/8/2021 (Source: CoFR Matrix dated 4/1/2021)                                                                                                                                                                                                                                                                                                    |           |           |                     |              |                     |     |       |
| Boeing-OFT2 (Uncrewed)                                                                                                                                                                                                                                                                                                                                           | 2/11/2021 | TBD       | 8/2/2021<br>NET/UR  | Atlas V N22  | CCAFS               | HQ  | RG    |
| Comments: SORR: 7/22/2021 (Source: HEOMD Significant Near Term Operational Events dated 3/31/2021)                                                                                                                                                                                                                                                               |           |           |                     |              |                     |     |       |
| SpaceX-23                                                                                                                                                                                                                                                                                                                                                        | TBD       | TBD       | 8/18/2021           | Falcon 9     | CCAFS               | JSC | GW    |
| Comments: SORR: U/R; FRR: U/R (Source: HEOMD Significant Near Term Operational Events dated 3/12/2021)                                                                                                                                                                                                                                                           |           |           |                     |              |                     |     |       |
| Landsat-9                                                                                                                                                                                                                                                                                                                                                        | TBD       | 8/5/2021  | 9/16/2021           | Atlas V-401  | VAFB                | HQ  | PP/GL |
| Comments: SORR: TBD; FRR: TBD (Source: Flight Planning Board (FPB) Manifest dated 12/3/2020)                                                                                                                                                                                                                                                                     |           |           |                     |              |                     |     |       |
| Artemis I                                                                                                                                                                                                                                                                                                                                                        | TBD       | TBD       | Oct 2021<br>NET/TBC | SLS          | KSC                 | HQ  | SM    |
| Comments: With the Artemis program, NASA will land the first woman and next man on the Moon by 2024, using innovative technologies to explore more of the lunar surface than ever before. We will collaborate with our commercial and international partners and establish sustainable exploration by 2028. (Source: Email from Shandy McMillian dated 2/1/2021) |           |           |                     |              |                     |     |       |
| 65S                                                                                                                                                                                                                                                                                                                                                              | TBD       | TBD       | 10/5/2021           | Soyuz        | Kazakhstan          | HQ  | GW    |
| Comments: SORR: 9/23/2021; FRR: 9/28/2021 (Source: CoFR matrix dated 2/18/2021)                                                                                                                                                                                                                                                                                  |           |           |                     |              |                     |     |       |

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| MISSION TASK NAME                                                                                                                                                                               | MILESTONES |           |                   | LAUNCH VEHICLE | LAUNCH SITE OR RETURN SITE | CHAIR | SMA REP. |
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|                                                                                                                                                                                                 | Pre-SMSR   | SMSR/SMSA | LAUNCH OR OPS     |                |                            |       |          |
| <i>Lucy</i>                                                                                                                                                                                     | TBD        | 9/13/2021 | 10/16/2021        | Atlas V-401    | CCAFS                      | HQ    | PP/GL    |
| <b>Comments:</b> Lucy will explore six Trojan asteroids, a unique family of asteroids that orbit the Sun in front of and behind Jupiter. (Source: LSP Milestone Review Schedule dated 2/6/2020) |            |           |                   |                |                            |       |          |
| <i>64S Return</i>                                                                                                                                                                               | TBD        | TBD       | Undock 10/17/2021 | N/A            | Kazakhstan                 | HQ    | GW       |
| <b>Comments:</b> SORR: 9/23/2021; FRR: 9/28/2021 (Source: CoFR Matrix dated 2/18/2021)                                                                                                          |            |           |                   |                |                            |       |          |

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| MISSION TASK NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MILESTONES |            |                | LAUNCH VEHICLE | LAUNCH SITE OR RETURN SITE | CHAIR | SMA REP. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------------|----------------|----------------------------|-------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pre-SMSR   | SMSR/SMSA  | LAUNCH OR OPS  |                |                            |       |          |
| <i>James Webb Space Telescope (JWST)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TBD        | TBD        | 10/30/2021     | Ariane V       | Kourou                     | HQ    | PP/GL    |
| <b>Comments:</b> JWST will peer through dusty clouds to see stars forming planetary systems, connecting the Milky Way to our own Solar System. (Website Source: <a href="http://www.jwst.nasa.gov">www.jwst.nasa.gov</a> ) (Source: Flight Planning Board (FPB) Manifest dated 8/3/2020)                                                                                                                                                                                                                  |            |            |                |                |                            |       |          |
| <i>Imaging X-ray Polarimetry Explorer (IXPE)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD        | 10/26/2021 | 11/17/2021     | Falcon 9       | CCAFS                      | HQ    | PP/GL    |
| <b>Comments:</b> The Imaging X-ray Polarimetry Explorer will be launched on or after November 20, 2020 into a 540-km circular orbit at 0° inclination. During IXPE's two-year mission, targets such as active galactic nuclei (AGN), microquasars, pulsars and pulsar wind nebulae, magnetars, accreting X-ray binaries, supernova remnants, and the Galactic center will be studied. (Source: LSP Waterfall dated 12/3/2020)                                                                             |            |            |                |                |                            |       |          |
| <i>Double Asteroid Redirection Test (DART)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TBD        | TBD        | 11/23/2021 U/R | Falcon 9       | VAFB                       | HQ    | PP/GL    |
| <b>Comments:</b> DART is a planetary defense-driven test of technologies for preventing an impact of Earth by a hazardous asteroid. DART will be the first demonstration of the kinetic impactor technique to change the motion of an asteroid in space. (Source: LSP Milestone Review Schedule dated 4/1/2021)                                                                                                                                                                                           |            |            |                |                |                            |       |          |
| <i>SpaceX-24</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD        | TBD        | 12/2/2021      | Falcon 9       | CCAFS                      | JSC   | GW       |
| <b>Comments:</b> SORR: TBD (Source: LSP Waterfall dated 2/4/2021)                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |                |                |                            |       |          |
| <i>Geostationary Operational Environmental Satellite (GOES-T)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                         | TBD        | TBD        | 12/7/2021      | Atlas V-541    | CCAFS                      | HQ    | PP/GL    |
| <b>Comments:</b> The GOES-R satellite series consists of GOES-R, GOES-S, GOES-T, and GOES-U. This series is more advanced than the previous GOES fleet in that the imager can scan the Earth five times faster, at four times the image resolution, with triple the number of channels for more accurate, reliable weather forecasts and severe weather outlooks. They will also provide critical solar monitoring and space weather observations. (Source: LSP Milestone Review Schedule dated 4/2/2020) |            |            |                |                |                            |       |          |
| <i>Boeing Crew 1</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TBD        | TBD        | 2/24/2022      | Atlas V N22    | CCAFS                      | HQ    | RG       |
| <b>Comments:</b> SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 6/4/2020)                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |                |                |                            |       |          |
| <i>SpaceX-25</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD        | TBD        | Apr 2022       | Falcon 9       | CCAFS                      | JSC   | GW       |
| <b>Comments:</b> SORR: TBD; (Source: LSP Waterfall dated 6/4/2020)                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |            |                |                |                            |       |          |
| <i>SpaceX Crew 4</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TBD        | TBD        | 4/5/2022       | Falcon 9       | KSC                        | HQ    | RG       |
| <b>Comments:</b> SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 2/4/2021)                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |                |                |                            |       |          |
| <i>Boeing Crew 2</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TBD        | TBD        | 4/21/2022      | Atlas V N22    | CCAFS                      | HQ    | RG       |
| <b>Comments:</b> SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 6/4/2020)                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |                |                |                            |       |          |

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| MISSION TASK NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MILESTONES |           |                     | LAUNCH VEHICLE | LAUNCH SITE OR RETURN SITE | CHAIR | SMA REP. |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pre-SMSR   | SMSR/SMSA | LAUNCH OR OPS       |                |                            |       |          |
| Low-Boom Flight Demonstrator (LBFD) X-59 QueSST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TBD        | TBD       | Jun 2022            | X-59           | AFRC                       | HQ    | JC       |
| Comments: The Lockheed Martin X-59 QueSST is an American experimental supersonic aircraft being developed at Skunk Works for NASA's Low-Boom Flight Demonstrator program. (Source: Tuesday Tag-up comments from John Lapointe on 9/29/2020)                                                                                                                                                                                                                                                                                                                   |            |           |                     |                |                            |       |          |
| Psyche                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TBD        | TBD       | 7/13/2022-8/26/2022 | Falcon Heavy   | KSC                        | HQ    | PP/GL    |
| Comments: The Psyche mission is a journey to a unique metal asteroid orbiting the Sun between Mars and Jupiter. What makes the asteroid Psyche unique is that it appears to be the exposed nickel-iron core of an early planet, one of the building blocks of our solar system. (Source: LSP Milestone Review Schedule dated 6/25/2020)                                                                                                                                                                                                                       |            |           |                     |                |                            |       |          |
| SpaceX-26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TBD        | TBD       | Sep 2022            | Falcon 9       | CCAFS                      | JSC   | GW       |
| Comments: SORR: TBD (Source: LSP Waterfall dated 6/4/2020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |           |                     |                |                            |       |          |
| Joint Polar Satellite System 2 (JPSS-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TBD        | TBD       | 9/30/2022           | Atlas V-401    | VAFB                       | HQ    | PP/GL    |
| Comments: The Joint Polar Satellite System (JPSS) is the restructured civilian portion of the National Polar-orbiting Operational Environmental Satellite System (NPOESS) that will make afternoon observations as it orbits Earth. The system includes the satellites and sensors supporting civil weather and climate measurements and a shared ground infrastructure with the Department of Defense weather satellite system. Check at Pre-SMSR with JPSS-2 CSO if input needed from LOFTID. (Source: Flight Planning Board (FPB) Manifest dated 8/3/2020) |            |           |                     |                |                            |       |          |
| SpaceX Crew 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TBD        | TBD       | 10/25/2022          | Falcon 9       | KSC                        | HQ    | RG       |
| Comments: SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 2/4/2021)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |           |                     |                |                            |       |          |
| Surface Water and Ocean Topography (SWOT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TBD        | TBD       | Nov 2022            | Falcon 9       | VAFB                       | HQ    | PP/GL    |
| Comments: The SWOT mission brings together two communities focused on a better understanding of the world's oceans and its terrestrial surface waters. U.S. and French oceanographers and hydrologists and international partners have joined forces to develop this satellite mission to make the first global survey of Earth's surface water, observe the fine details of the ocean's surface topography, and measure how water bodies change over time. (Source: LSP Waterfall 4/15/2021)                                                                 |            |           |                     |                |                            |       |          |
| Boeing Crew 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TBD        | TBD       | 12/14/2022          | Atlas V N22    | CCAFS                      | HQ    | RG       |
| Comments: SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 6/4/2020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |           |                     |                |                            |       |          |
| SpaceX-27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TBD        | TBD       | 1/10/2023           | Falcon 9       | CCAFS                      | JSC   | GW       |
| Comments: SORR: TBD (Source: LSP Waterfall dated 4/8/2021)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |           |                     |                |                            |       |          |
| NASA ISRO Synthetic Aperture Radar (NI-SAR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TBD        | TBD       | 1/29/2023           | GSLV-Mark-II   | Satish Dhawan Space Center | HQ    | PP/GL    |
| Comments: Using advanced radar imaging that will provide an unprecedented, detailed view of Earth, the NASA-ISRO Synthetic Aperture Radar, or NISAR, satellite is designed to observe and take measurements of some of the planet's most complex processes, including ecosystem disturbances, ice-sheet collapse, and natural hazards such as earthquakes, tsunamis, volcanoes and landslides. (Source: LSP Milestone Review Schedule dated 3/25/2021)                                                                                                        |            |           |                     |                |                            |       |          |
| SpaceX Crew 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TBD        | TBD       | 2/1/2023            | Falcon 9       | KSC                        | HQ    | RG       |
| Comments: SORR: TBD; FRR: TBD (Source: Flight Planning Board (FPB) Manifest dated 12/23/2020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |           |                     |                |                            |       |          |
| Boeing Crew 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TBD        | TBD       | 4/13/2023           | Atlas V N22    | CCAFS                      | HQ    | RG       |
| Comments: SORR: TBD; FRR: TBD (Source: LSP Waterfall dated 4/22/2021)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |           |                     |                |                            |       |          |

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| MISSION TASK NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MILESTONES |           |               | LAUNCH VEHICLE | LAUNCH SITE OR RETURN SITE | CHAIR | SMA REP. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|---------------|----------------|----------------------------|-------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pre-SMSR   | SMSR/SMSA | LAUNCH OR OPS |                |                            |       |          |
| <i>Geostationary Operational Environmental Satellite (GOES-U)</i>                                                                                                                                                                                                                                                                                                                                                                                                                          | TBD        | TBD       | 4/30/2024     | TBD            | CCAFS                      | HQ    | PP/GL    |
| <b>Comments:</b> The GOES-R satellite series consists of GOES-R, GOES-S, GOES-T, and GOES-U. This series is more advanced than the previous GOES fleet in that the imager can scan the Earth five times faster, at four times the image resolution, with triple the number of channels for more accurate, reliable weather forecasts and severe weather outlooks. They will also provide critical solar monitoring and space weather observations. (Source: LSP Waterfall dated 1/14/2021) |            |           |               |                |                            |       |          |
| <i>PPE+HALO</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TBD        | TBD       | May 2024 NET  | TBD            | KSC                        | HQ    | SM       |
| <b>Comments:</b> The Habitation and Logistics Outpost (HALO) also called the Minimal Habitation Module (MHM) and formerly known as the Utilization Module, will be built by Northrop Grumman Innovation Systems (NGIS). A commercial launch vehicle would launch the HALO in November 2023 with Power and Propulsion Element (PPE) module. The HALO is based on a Cygnus Cargo resupply module. (Source: LSP Waterfall dated 3/11/2021)                                                    |            |           |               |                |                            |       |          |
| <i>Spectro-Photometer for the History of the Universe, Epoch of Reionization and Ices Explorer (SPHEREx)</i>                                                                                                                                                                                                                                                                                                                                                                               | TBD        | TBD       | 6/17/2024     | TBD            | TBD                        | HQ    | PP/GL    |
| <b>Comments:</b> SPHEREx will survey the sky in optical as well as near-infrared light which, though not visible to the human eye, serves as a powerful tool for answering cosmic questions. Astronomers will use the mission to gather data on more than 300 million galaxies, as well as more than 100 million stars in our own Milky Way. (Source: LSP Milestone Review Schedule dated 8/20/2020)                                                                                       |            |           |               |                |                            |       |          |
| <i>Artemis III</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TBD        | TBD       | Sept 2024     | SLS            | KSC                        | HQ    | SM       |
| <b>Comments:</b> With the Artemis program, NASA will land the first woman and next man on the Moon by 2024, using innovative technologies to explore more of the lunar surface than ever before. We will collaborate with our commercial and international partners and establish sustainable exploration by 2028. (Source: Information from Shandy McMillian on 8/24/2020)                                                                                                                |            |           |               |                |                            |       |          |
| <i>Europa Clipper</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TBD        | TBD       | Nov 2024 U/R  | TBD            | TBD                        | HQ    | PP/GL    |
| <b>Comments:</b> NASA's Europa Clipper will conduct detailed reconnaissance of Jupiter's moon Europa and investigate whether the icy moon could harbor conditions suitable for life. (Source: LSP Waterfall dated 1/28/2021)                                                                                                                                                                                                                                                               |            |           |               |                |                            |       |          |

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**Comments:** Changed the name or Restore-L to OSAM-1 (On-orbit Servicing, Assembly and Manufacturing 1 as informed by the OSAM-a Project Manager and LSP on 4/22/2020. (Source: Flight Planning Board (FPB) Manifest dated 1/6/2021)

**Comments:** IMAP will sample, analyze, and map particles streaming to Earth from the edges of interstellar space. IMAP will help researchers better understand the boundary of the heliosphere, a sort of magnetic bubble surrounding and protecting our solar system. (Source: LSP Milestone Review Schedule dated 12/3/2020)

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| MISSION TASK NAME | PC-SMSK | SMSK/SMSA | LAUNCH OR OPS | ENHANCED VEHICLE | OR RETURN SITE | CHART | SAT REF |
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|                   |         |           |               |                  |                |       |         |

The Sentinel-6 program includes two identical satellites, to be launched five years apart, Sentinel-6 Michael Freilich, which launched on 21 November 2020<sup>[2]</sup> and Sentinel-6B, which will launch in 2025.<sup>[3]</sup> These satellites will measure sea level change from space .Source: LSP Waterfall dated 11/19/2020)

The Nancy Grace Roman Space Telescope (formerly known as WFIRST, the Wide Field Infrared Survey Telescope) – a mission concept to answer vital questions in both exoplanet detection and dark energy research. (Source: LSP Milestone Review Schedule dated 1/7/2021)