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voyager 1 is the first human made object to venture into interstellar space voyager 1 discovered a thin ring around jupiter and two new jovian moons thebe and metis at saturn voyager 1 found five new moons and a new ring called the g ring after completing the first in depth reconnaissance of the outer planets the twin voyagers are on a new mission to chart the edge of interstellar space questions answers and interviews that explain the voyager mission learn more the twin voyager 1 and 2 spacecraft are exploring where nothing from earth has flown before continuing on their more than 45 year journey since their 1977 launches they each are much farther away from earth and the sun than pluto voyager 2 is the only spacecraft to visit uranus and neptune the probe is now in interstellar space the region outside the heliopause or the bubble of energetic particles and magnetic fields from the sun voyager 1 sent back spectacular photos of jupiter and its giant red spot it showed how dynamic the jovian atmosphere was with clouds and storms it also took pictures of jupiter s moon io voyager 1 one of the celebrated twin spacecraft that was the first to reach interstellar space has finally resumed beaming science data back to earth after a 6 month communications blackout nasa announced this week after a corrupted chip rendered voyager 1 s transmissions unintelligible in november 2023 engineers nursed the spacecraft published 28 may 2024 two of the four science instruments aboard the voyager 1 spacecraft are now returning usable data after months of transmitting only gibberish nasa scientists have announced nasa s voyager 2 spacecraft today entered the observatory phase of its flyby of neptune signaling the beginning of its final planetary encounter after nearly 12 years of exploring the outer solar system voyager 1 is once again returning data from two of four science instruments onboard an artist s concept of voyager 1 in deep space nasa things are looking better for one of nasa s longest running deep space missions after a several month period of problems engineers have announced that the voyager 1 spacecraft is not only back online the twin spacecraft voyager 1 and voyager 2 were launched by nasa in separate months in the summer of 1977 from cape canaveral florida as originally designed the voyagers were to conduct closeup studies of jupiter and saturn saturn s rings and the larger moons of the two planets voyager 1 stopped sending readable science and engineering data back to earth on nov 14 2023 even though mission controllers could tell the spacecraft was still receiving their commands and to learn more about voyager zoom in and give the spacecraft a spin view the full interactive experience at eyes on the solar system credit nasa jpl caltech both voyager 1 and voyager 2 have reached interstellar space and each continue their unique journey through the universe voyager 2 has not reached interstellar space yet but it is expected to while it is still operational the voyagers should remain scientifically operational through 2020 with continued operations with reduced science possibly as far as 2025 voyager 2 confirmed and directly imaged uranus s rings and discovered a ring system around neptune while voyager 1 discovered rings around jupiter between them the 2 probes identified dozens of never before seen moons around the four planets jet propulsion laboratory pasadena calif 818 354 9452 818 354 8307 veronica c mcgregor jpl nasa gov matthew j segal jpl nasa gov 2024 078 in his new role his leadership will be critical in fostering an environment of scientific innovation and excellence ensuring that jpl remains at the forefront of discovery where are they now both voyager 1 and voyager 2 have reached interstellar space and each continue their unique journey deeper into the cosmos in nasa s eyes on the solar system app you can see the actual spacecraft trajectories of the voyagers updated every five minutes a member of the national academy of sciences he has chaired or co chaired numerous advisory and strategic planning committees for the academy nasa and the national science foundation as part of his new role lunine has also been appointed professor of planetary science in caltech s division of geological and planetary sciences gps

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