



NEWSLETTER-AMSAT-EA

03/2022

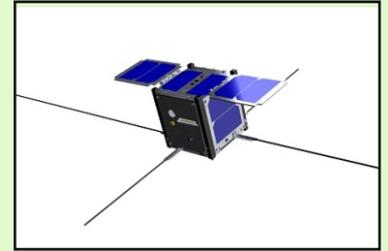
MARCH



MIR-SAT1

During the past weekend of 12-13 March, as reported by Jean-Marc (3B8DU) on the AMSAT-BB. The MIR-SAT1 digipeater was active with the call sign 3B8MIR-1.

Acknowledging the comments on the BB, and those sent to jean.marc.momple@gmail.com or the Twitter account [@3b8DU](https://twitter.com/3b8DU). These comments can be very helpful in identifying problems and take the appropriate actions.



If everything works normally, it will be open all weekends.

CUBESAT CAS-10

CAMSAT's CAS-10 is an 8U CubeSat that will carry a VHF to UHF linear (SSB) transponder for hams for communications. This satellite also known as Hope-4 (XW-4) is an 8U CubeSat with approximate measurements of 228 x 455 x 100 mm and with a mass of 12 kg. Among its utility loads are:

- A linear VHF uplink transponder and UHF downlink with a bandwidth of 30 kHz. The transponder will work all day during the life cycle of the satellite, and may be used by radio enthusiasts around the world.
- A camera that will take pictures and store them in the sat's flash memory. They have designed a DTMF command control system with which we can send commands to download them.
- A CW beacon to send satellite telemetry data.
- A GMSK AX.25 4.8k/9.6kbps telemetry downlink

The launch is scheduled for November 2022 from the Hainan Launch Center using a CZ-7 launch vehicle in a circular orbit of 400 km with an inclination of 42.9 degrees.

Ham Radio Satellite Operators Team in Costa Rica

AMSAT-TI

On December 1, 2021, Costa Rica celebrated the National HamRadio Day, so decreed by the Government of the Central American country in 1991 under the presidency of Dr. Rafael Angel Calderon Fournier. During the annual celebration organized by the Cartago Amateur Radio Association TI0ARC they unveiled the members of the Ham Radio Satellite Operators Team – Costa Rica, a group that comes to spread the activities of AMSAT TI, within the Radio Club of Costa Rica TI0RC.



From right to left TI3IES, TI2VLM, TI3ATS, TI2BSH

The group is initially made up of the satellite operators like Carlos Badilla Aguilar TI2BSH, Víctor Manuel López Jirón TI2VLM, Alfonso Octavio Araya Flores TI3ATS and Ignacio Granados Vega TI3IES, as a member of the group we also have Luis Diego Monge Solano TI2SAT, creator of the AMSAT TI logo, who could not be present to the meeting due to personal reasons.

This group has started the task of raising awareness of the world of amateur radio satellites and other applications, to those who are new to our hobby and the general public. They have the support of the radio clubs of Costa Rica and with the essential interest of those who wish to venture into the space comms.



Amateur radio payload for the Tiangong Space Station

From the IARU frequency coordination department they report that they have received a request for coordination of a ham radio payload in the Tiangong space station.

The request, says:

CSSARC is the Amateur Radio Payload for the chinese Space Station , proposed by the Amateur Radio Club of China (CRAC), the Shanghai Aerospace Systems Engineering Research Center (ASES) and the Harbin Institute of Technology (HIT). The first phase of the payload is capable of providing the following functions using the VHF/UHF amateur radio band:

- Crew voice V/V o U/U;
- Repeater FM V/U o U/V;
- V/V o U/U 1k2 AFSK digipeater;
- V/V o U/U SSTV or digital image.

The payload will provide resources for radio amateurs around the world to establish contact with the astronauts on board or communicate with each other. It is also intended to inspire students to follow interests and careers in science, technology, engineering, and mathematics, and encourage more people to become interested in amateur radio.

The launch is planned from Wenchang in the third quarter of 2022.



Taikonaut Wang Yaping "flies" inside the central module of the Tianhe space station.



The taikonaut Nie Haisheng works inside the Tianhe module.

MERCAÚ ASTUR RADIO

FERIA DEL RADIOAFICIONADO

30 DE ABRIL 2022



Foto: Victor Berenguer



CAJA RURAL
DE ASTURIAS

11:15 - 12:00 SATELITE QO100 by EA1TA (Francisco Manuel)

12:15 - 13:00 THE SLOW TELEVISION SWEEP - SSTV by EA2AFL (Jose Angel)

13:15 - 14:00 V CENTENARY FIRST TOUR AROUND THE WORLD by EA7HLU (Carlos)

16:00 - 18:00 URESAT & PREVIOUS MISSIONS by EA4GQS (Felix)

11:00 - 14:00 YOOFAB WORKSHOPS

16:00 - 18:00 YOOFAB WORKSHOPS

AMSAT-EA products in the URE store

For several weeks you have at your disposal several products of AMSAT-EA personalized with your callsign on the URE website.



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