



NEWSLETTER-AMSAT-EA

10/2019
OCTOBER

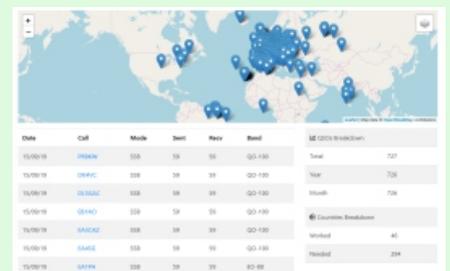
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Translation by Fernando EC1AME

Record of participation in the AM1SAT activity

Record of participation in the AM1SAT activity organized by AMSAT-EA along with the spanish IberRadio hamfest, which has celebrated its fifth edition and that is organized by URE in the city of Ávila every year, this time between the 14th and 15th of September. 727 QSOs and 46 countries, with 38 unique callsigns is the result of the week of activation of the special call AM1SAT, activity that has been carried out for the second consecutive year and that we expect to continue in the following years, since it's considered an incentive and a challenge for fans of satellite communications .



On this occasion the use of the geostationary satellite QO-100 has led to more far away contacts in Asia. However, the non-availability of the FO-29 satellite has hindered the communication with North American stations, we have used AO-7 instead, with the difficulties involved, and the necessary skill of the operators due to their delicate state of functioning. 10 gold and 28 silver diplomas have been awarded, as well as the trophies to the best "grid and satellites hunters" which will be sent soon to the winners: F4DXV and EA3CAZ.

We thank all participants and all the AM1SAT operators.

TAURUS-1

Taurus-1 (Jinniuzuo-1), was launched on a CZ-4B rocket from the Taiyuan Launch Center on Thursday, September 12 at 0326 GMT. It is a CubeSat project developed by the Shanghai Aerospace Systems Engineering Research Institute for education of Young students and amateur radio operators.

The transponder is similar to the one used in LilacSat-1 that receives FM with 67 Hz CTCSS in 145,820 and retransmits it as a digital voice with Codec-2 9600 bps BPSK along with the telemetry data in a nominal frequency of 435.840 MHz +/- 10 kHz Doppler change

FO-29

On September 14, the Fo-29 has become operational again until October 3 when the JARL control team has stopped it. It is expected that in the next few days they will put it back in operation after correctly checking its status.

Renewal of the authorization of the 2,400 MHz band for Es'hail-2

Based on the request written by AMSAT EA and URE and delivered to the Spanish Administration, the Spanish gov has agreed to extend until December 2020 the general authorization of the 2,400 MHz band that allows us to continue using the geostationary satellite Es'hail-2.

At the same time, all references to modulations have been removed, bringing the possibility to use CW, digital modes, even the wideband transponder, as it's within the authorized frequency range. The EIRP maximum is still 1500W and a minimum gain of 22.5 dBi of the directional antennas.



The fundamental points of the resolution are the following:

First.- Authorize until December 26, 2020 the holders of amateur radio authorizations, the realization of emissions of the amateur service in the frequency band 2,400,050 to 2,409,500 MHz., With a maximum p.i.r.e of 1500 watts and using directive antennas with a gain not less than 22.5 dBi, from authorized amateur radio stations located anywhere in Spain to the QO100 satellite located in the 25.9°E orbital position of the geostationary orbit.

Second.- This authorization is granted on the basis of non-interference to other services of authorized telecommunications and non-protection against interference produced by them. In case of harmful interference to other authorized telecommunication services they must be suspended transmission immediately.

Third.- For any modification of the antennas or attached elements installed outside the used property will be in accordance with Article 20 of the current Regulation of use of the public domain by amateur radio ops.

Fourth.- This authorization does not grant any type of rights to use the satellite infrastructure, the interested parties must obtain the permits or authorizations that may be needed.

The full text can be downloaded in Spanish from the URE website at the following link:
<http://tiny.cc/1kj0dz>

EA5GX operating as 7X2ARA from Algeria

For several occasions last September and this October, our colleague Sergio EA5GX, taking advantage of a work trip to Algeria was operating on satellites from the JM26, JM36 and JM35 grids.

Thanks to the efforts of M0NPT, it was able to operate with the 7X2ARA radio club station giving the opportunity to work these grids and unusual country on satellites.



NEXT ACTIVITIES

KE0WPA, Kylee and ND0C Randy, will tour EN12 on the night of October 3, then from EN03 and EN13 from October 4 to 5 with a possible operation of the net. I'm not sure if they will reach EN02 this time due to a change in Travel plans. Operations will be vacation style, only FM satellites. Twitter updates at: https://twitter.com/randy_ND0C

AD0DX, Ron will spend a few days of his vacation to go to CM79 on October 7, 8 and 9. The first day will explore the corner CM79 / CM89 / CN70 / CN80, so there is a small chance that Ron will appear in a pass or two on October 7. Days 2 and 3 (October 8-9) are main days for the operation. The steep terrain, many trees and a nice ridge will decide their operating position and pass availability, but the main objective is CM79. FM and Linear sats. Limited cell coverage (if any), but Ron will send a Tweet when possible: <https://twitter.com/ad0dx> Also, Ron will drive to Seattle on his way back home, with planned stops at CN70, CN71, CN72, CN73 and N74

CU2ZG, Pedro will be in Budapest for business, but will travel with his sat gear as HA / CU2ZG. Only FM and subject to availability. Follow Pedro on Twitter at: <https://twitter.com/pdsousa>

Halvard (**LA7XK**), along with Just (**LA9DL**) and Erling (**LA6VM**), will go to Svalbard for the Scandinavian Activity Contest (SAC).

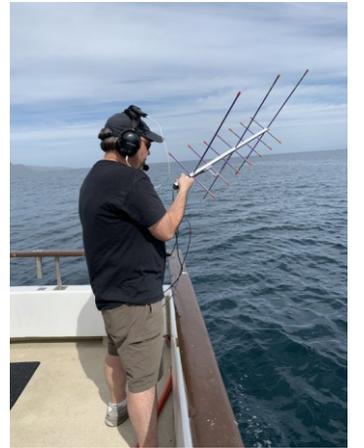
They will arrive at JW at noon on Wednesday, October 9 and return at noon on Monday, October 14. They will be QRV through FO-29, on Wednesday 9 of October to Friday October 11 during local afternoons between 1630Z and 0100Z. The call sign will be JW7XK and the locator is JQ78. His best Direction will be 240 degrees across the west and north at about 34 degrees. In that sector, the elevation will be 1 to 2 degrees. They will alternate between SSB and CW, using an IC-9700 and an arrow antenna.

KN6DBC, Ed goes fishing (literally), but will take equipment to work some FM satellites. October 11 will be in DM15, and October 12 and 13 in DM06. Visit Ken's Twitter feed for a calendar of specific passes and more updates: <https://twitter.com/KN6DBC>

AD7DB, David will visit the CM95 / 96 / DM05 / 06 crossing near Kettleman City CA. AO-91, AO-92, SO-50, and eastern passes will be a priority. Maybe PO-101 if it's operational, and AO-85 if it's not too picky. The contacts will be placed in LOTW after travel. Twitter updates <https://twitter.com/ad7db>



EA5GX, Sergio



Alex, N7AGF operando como N6O/mm

AMSAT-EA FORUM



From AMSAT-EA we want to promote among the community of Spanish amateur radio operators all the knowledge about our hobby through the internet. Therefore we remind you that our association has a forum where anyone can participate without needing to be a member. We encourage you to take advantage of this space to make your inquiries, start discussions, share your concerns or help other hobby partners transmitting your wisdom. The address is: <http://foro.amsat-ea.org>

ISS for the month of October

New SSTV image session from the space station:

WEDNESDAY 9 OCTOBER BETWEEN 09.50 and 16.00 GMT

THURSDAY 10 OCTOBER BETWEEN 08.45 and 16.25 GMT

FREQUENCY: 145,800



Two contacts scheduled for Tuesday, October 8, take note:

HOURLY: 12.50 GMT

ASTRONAUT: Drew Morgan KI5AAA and Luca Parmitano KF5KDP who will use the OR4ISS call

SCHOOL: Bampton Primary School in England. The ISS will call G2LV, the Exmoor Radio Club callsign.

FREQUENCY TO LISTEN: 145,800, It will be live at <https://live.ariss.org/>

A little later, there will be another contact, this time with Robert Doisneau College, Sarralbe, France:

TIME: 14.29 GMT (16.29 in Spain)

ASTRONAUT: Luca Parmitano KF5KDP who will call F6KFT

FREQUENCY TO LISTEN: 145,800

Meeting of satellite fans in Portugal TecSat-Po

On November 23 and 24 in Viana do Castelo, in the north of Portugal, they will celebrate the meeting TecSat-Po 2019, a meeting for satellite fans, with demonstrations, gatherings and round tables.

For some years there has been a notable increase in amateur radio operators operating satellites both in Spain and Portugal and this type of initiative is a good example of this.

The meeting in Portugal is organized by the Association of Radio amateurs of Alto Miño (ARAM).

More information about the event at:

<http://tecsat.aram.pt/>

