

NEWSLETTER-AMSAT-EA

03/2017
DECEMBER

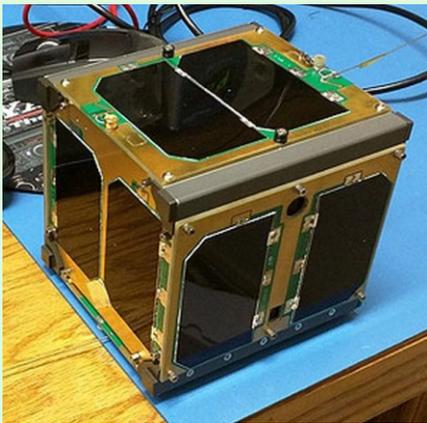
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eb1ao@amsat-ea.org

Translation by Fernando EC1AME

AMSAT

RADFXSAT (FOX-1B)



RadFxSat FOX 1B (AMSAT)

After several attempts, the Fox-1B sat was launched on nov 18 at 09:47:36 GMT from Vandenberg, California. Deployment begun at 11:09 and the first signals were received at 12:12 using the WebSDR at ZR6AIC.

IV3RYQ, Maurizio was the first to send the telemetry received. Minutes later several reports were received confirming everything was working as planned .

After the reception reports were confirmed, Fox- 1B was designated AO91.

The first impressions of the EA sat operators were very positive. Signal from the satellite is strong and willing to get also good hearing from the bird.

The satellite is active on FM since november 23:

Uplink: 435.250 FM (tone 67.0Hz CTCSS)

Downlink: 145.960 FM

NEW RECORD DISTANCE ON Aø73

On november 6 at 2218z after a sked for a transatlantic QSO thru AO73 , a new distance record was achieved between AA2TT (Fn30br52aq) and EB1AO (In52pe28fh) .Total distance: 5299,500Km. (3292,956633 miles).

ARISS SSTV CERTIFICATE

The Polish Amateur Radio Union informs that the deadline to ask for the ARISS SSTV certificate is december 30. To get this certificate you should had received at least 7 SSTV images during the 20 Anniversary event that took place between 20 and 24 of july 2017. First you have to upload your images to [this site](#) and later to fill [this form](#)

NEXT LAUNCH: CUBESAT HA-1

IARU announced the frequency coordination for the HA-1 , a 2U cubesat developed by a group of young amateur radio operators at the Teenagers Amateur Radio Center in Huaian, China.

This cubesat has a ham radio repeater and SSTV. The SSTV beacon shows date, hour, temperature and more. It will be launched in december. Frequencies:

Uplink 145.930 FM, Downlink 436.950 FM, Telemetry 437.350 9k6 BPSK.

ECAMSAT

For you, telemetry lovers, EcAMSat is in orbit. With telemetry at 1200Bps, Frequency: 437.100 FM Packet beacon AX25 every 5 seconds. All the information is available [in this website](#) . They confirm with a QSL.

ANNOUNCED ACTIVITIES

EA9ABV, Diego is active from IM75iv, Ceuta in satellites. He uses a Yaesu 817Nd and Arrow antenna.

HC8LU, several operators are activating Galapagos Islands from nov 29 to december 8 . QSL via IK2DUW. More info: <https://hc8lu.blogspot.com.ar>

AL6D Gabe is already in Alaska (CO28qi) .He will be activating grids from his rover. Updates in twitter [@AL6D_Alaska](https://twitter.com/AL6D_Alaska)

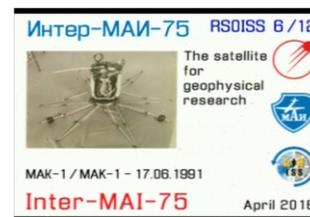
9A161NT active until december 31 celebrating the 161 anniversary of Nicola Tesla, from JN85et QSL info: 9A7R.

ISS, Return of the **MAI-75 SSTV** experiment in passes over Moscow. 6-8 december between 13 and 17h GMT, though it can be activity during more hours.

AC0RA, Wyatt will be active from the Carnival Sunshine cruise december 9 -16 . He will use the callsign C6AWD/MM. He will operate in semiduplex mode with his FT817 and Arrow antenna. More info in his qrz.com



EA9ABV with his Arrow



SSTV image received from the ISS

PAST ACTIVITIES



EA9AI & EA9ABV with his Arrow



EA5WA from IM89

EB5WA, Juan Carlos told us on nov 9: "It's clear you don't need too many stuff to work sats... While in mobile, I had a QSO with EA4GLI on the XW-2C sat. Thanks Salvador" . Notice this QSO was established while driving using a Yaesu ft857 and a ¼ antenna while I was driving to my job .

EA9ABV, Diego made his first satellite QSO thru SO50 from IM75iv, Ceuta with a Ft817nd and an arrow antenna.

EA5WA, Juan Carlos activated the grid IM89wa ,one of the most wanted in Spain.

EB2AT, was active as portable from IN93.

5K0T, The argentinian team was active from San Andres and Providence EK92dn.

COMING ISS CONTACT WITH EG3UPC

Direct QSO with the ISS next december 4 at 15.10 GMT from the Escuela de Ingeniería de Telecomunicaciones y Aeroespacial de Casteldefels (EETAC) , member of the UPC.

The contact will have streaming and Ham TV will be activated. The astronaut that will call EG3UPC from space is Mark Vande Hei, KG5GNP .He will use the call OR4ISS.



Preparing the installation

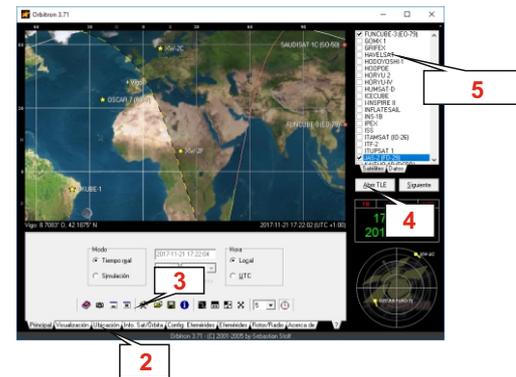


Antennas EG3UPC

ORBITRON: Satellite tracking for Windows

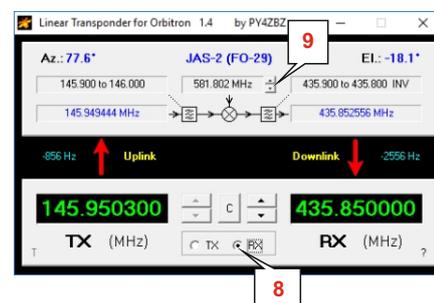
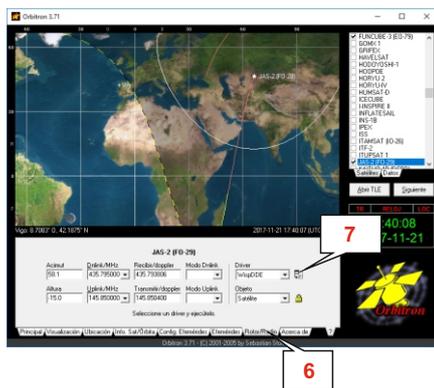
We have this free software available for satellite tracking. It's very simple to install and set up. Just download it from the [developer's website](#) and with just a few steps you can have it running.

- 1.- Right mouse button over programme icon, properties, advanced options and run as an administrator
- 2.- Open the programme and go to **location** (footer) and select your QTH, putting your locator will help, once done, click on **choose**.
- 3.- Then we go to the setup icon and select **TLE updater** and then click on the green globe up right.
- 4.- Then click on **Load TLE** and select the one you want to run, in this case: **Amateur**
- 5.- Then just select the sats you want to track



With these simple steps we can have it running showing us the tracking of our favourite sats. To help us, PY4ZBZ made a widget called [MYDDE](#) to show the frequencies (uplink and downlink) of the selected satellite, this is very useful if you use sats with a lineal transponder (SSB). To install this complement, we unzip the file and we put it in the orbitron folder.

Then we go to **Rotor/Radio (6)** and we select MyDDE as the driver(7). If you are asked for the file location, just select the MyDDE.exe you put in the folder. Then just go to setup (3) and in **extras** select **Autostart Rotor/Radio Driver**



With this module, if we use a lineal transponder satellite we can select the uplink or downlink frequency (8) and, depending on that, we will get the contrary (approximate). We can adjust it with the menu in our radio (9).

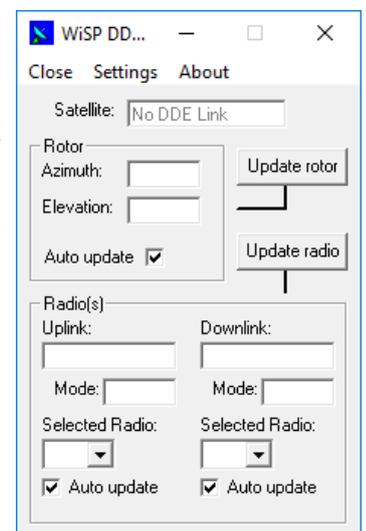
We can also download the rotor control driver [WispDDE](#). This module just needs to be configured in **rotor** where you can set up your rotor parameters.

To have your TLEs updated, the best option is to go to **set up, TLE updater**, click on the white icon to create a **new group** called for instance **amsat.org**

Then we click on **Edit Group** and write the source where we want to get data from, in this case:

<http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt>

Then just don't forget to select: **mark this group to autoupdate**



We just have orbitron running...

!Hola, mis amigos! My name is Robert, KE4AL. First licensed in 1989, I have only recently discovered Amateur Radio Satellites.

On the suggestion of a friend, I brought some satellite gear with me on my December 2016 Buddipole DXpedition to St. Croix, U.S. Virgin Island. This was a very painful experience for me, trying to figure out how to wave aluminum elements at the sky, tune a radio, and speak, all at the same time. Despite not knowing what I was doing, I did manage to make 3 FM satellite contacts while in FK77, and I have been hooked on Satellites ever since.



KE4AL, Robert

The camaraderie in the amateur radio community has been nothing short of amazing, as we all work together to make satellite contacts and chase grids. In just a short year, I have made over 800 satellite QSOs, worked 47 of 50 for ARRL WAS, made contacts with 14 DXCC entities, collected more than 175 gridsquares, and followed satellite rovers as they travel from grid to grid. Wanting to give back, I have recently started to venture out of the comforts of my home gridsquare, EM71hd, to help others in our never-ending thirst for new grids. To date, I have operated from 10 different gridsquares (EL79/EM50/EM51/EM60/EM61/EM62/EM70/EM71/EM80/EM81/FK77), 4 States (AL/FL/GA/MS), and 2 DXCC entities (USA & USVI).



Portable Sat Station

On my most recent GridXpedition, I ventured through the Florida Panhandle (EM70 and EM60) to the State of Mississippi (EM50 and Em51), in an effort to confirm Mississippi for many satellite operators chasing WAS. I was able to make 94 QSOs with 81 unique call signs, the most memorable of which was with Jose, EB1AO



Horizont to EA

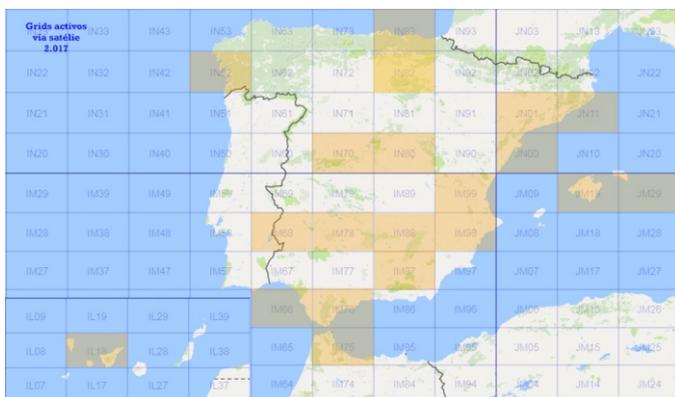
in IN52 on FO-29, for a distance of 7,015.54 kilometers.

As an added surprise, I stumbled on to the Jackson County Amateur Radio Association Hamfest, in Ocean Springs, Mississippi. By chance, I offered to provide an impromptu Amateur Radio Satellite Demonstration for the attendees. With almost no satellite operators in Mississippi, it was very rewarding to share my passion with amateur radio satellites with them. There was a lot of interest from the crowd, which holds great promise for the future.

I look forward to future GridXpeditions, and I am more than happy to schedule a QSO with you. 73 of KE4AL,

Robert

EA Stations active thru satellites (EA7AFM)



If you do not appear on the list and you are active in a grid, send us an email

Locators	Estaciones Activas	
IL18	EA8CUZ	EA8HB
IM66	EA7AFM	
IM68	EA4BMG	
IM75	EA9ABV	
IM76	EA7AHA	EA7HCV
IM78	EA4CYQ	
IM87	EA7AHG	EA7JHV
IM88	EA4BUL	EA4FG EA5MT
IM98	EA5GF	EB5GIE EA5WA
IM99	EA5JK	EA5TT EA5WA
	EB5YF	EC5CIA
IN52	EB1AO	
IN70	EA1BYA	EA1BYC
IN80	EA4GLI	EA4GSX EA4GVA
	EA4SG	EC4TR
IN82	EA2US	EA5WA
IN83	EA2CSI	EA1IW EA1JK
	EB2DJ	
JM19	EA6RF	
JM29	EA6ALW	
JN00	EA3AGB	EB5AL
JN01	EA3HAH	
JN11	EA3CNO	EA3LW