



NEWSLETTER-AMSAT-EA

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JANUARY

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Translation by Fernando EC1AME

A new year it's here, two years in arrow making this bulletin. We'd like to thank all of you that have collaborated sending articles, pictures, doing translations etc...

In 2018 AMSAT-EA attended again Iberradio with a small booth where we could meet in person. For the first time ever, the AM1SAT

Certificate was active with a lot of participants activating 15 different grids in Spain.



We wish you a very happy 2019.

NEW HAM RADIO SATELLITE - THE SSO-A MISSION

On December 3 the smallSat Express mission was launched on a SpaceX Falcon9 from the Vandenberg Air Base in California. 64 satellites were put in orbit and many of them with amateur radio payloads. It's the first time they launch such a number of satellites from the USA. Among the satellites with ham radio payload and bidirectional comms :

- **FOX-1Cliff**, FM repeater Uplink 435.300 Mhz and 1267.300 Mhz
.Downlink 145.920 Mhz
- **ESEO**, FM repeater. Uplink 1263.500 Mhz Downlink 145.895 Mhz
- **Exseed**, FM repeater and digipeater with uplink in 435.340 Mhz and downlink 145.900 Mhz
- **JY1-Sat**, Linear transponder with uplink between 435.100 Mhz and 435.120 Mhz and downlink from 145.855 Mhz to 145.875 Mhz.
- **K2SAT**, FM repeater with uplink in 145.980 Mhz and downlink in 436.225 Mhz.

Satellites with telemetry: Al-Farabi, KNACKSAT, IRVINE02, ITASAT, MinXSS-2, MOVE-2, PW-Sat-2, RANGE A&B, SNUGLITE, SNUSAT-2, SUOMI-100 and Visioncube.

UPDATE ON THE AO-85 STATUS

As you maybe already know , the AO-85 Satellite had some battery problems recently . During eclipse time, voltage dropped a lot . Maybe the batteries suffered from high temperatures during sunlight times. This made difficult to maintain the satellite available without damaging the batteries. Days ago the voltage dropped from 3.5v to 2.8v at the end of eclipse. And that is dangerously low. In an effort to extend the satellite useful life , IHU and transmitter were turned off. So no tx, no beacons.

To be able to get its telemetry, they will turn it on during one or two orbits. If all works out as planned, they will turn the repeater on again during the next no eclipse period as from January 24. In the meantime, its important to keep AO85 tracked on its FoxTelem configurations to be able to gather the telemetry and keep us updated on the status.

If you hear the Veronica Beacon , the repeater or the telemetry, please send a report to AMSAT-BB or send an email to

Drew KO4MA
AMSAT VP Operations

FOX-1CLIFF - AO95

After the launch of the Fox-1Cliff /AO-95, on december 4 AMSAT Engineering begun the activation procedure with help from AMSAT, Sat telemetry indicates it's operational and we thank all the stations that have captured and sent the telemetry. Without that it wouldn't be easy to monitor all the onboard systems.

Fox-1Cliff needed a long monitoring period to check the battery status and its nrg levels after the problem and the solution that was set on February 2016 during the environmental tests, and the result was positive. However, later a new problem was discovered in the receiving system. After some tests, analysis and discussions, it seems that Fox-1Cliff /AO-95 won't be commissioned as the 4th Fox-1 ham radio satellite...

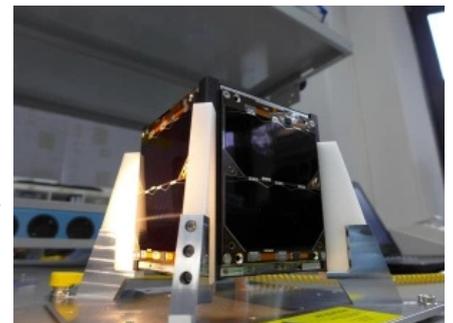


AMSAT Fox-1Cliff

JY1SAT DESIGNATED (JO-97)

On december 3 ,2018, JY1Sat was launched on a Falcon 9 rocket from Vandenberg, California, as part of the SSO-A Spaceflight: Smallsat Express project.

JY1Sat is a Project of the Crown Prince Foundation of Jordan. Telemetry was decoded all over the world since launch date. This satellite was designed by AMSAT as Jordan-OSCAR 97 (JO-97).



Next Activities



Adam, K0FFY

F4DXV, Jerome will be active from Luchon from december 27 to january 1 as F4DXV/P and EA2/F4DXV in JN02.

UT1FG/MM, Captain Yuri is back again on air on his route over the Atlantic activating several ocean grids.

EB1AO, Jose from January 1 to 5 will be active from IM78, IM77, IM76 and IM66 on FM sats.

CU2ZG, Pedro it's from HM58 till January 2

AD0DX and W9LID, Ron and Mike will be active from Point Pelee National Park in EN81, on January 1.

AD0DX, Ron will activate CM95, CM96, DM05, DM06 on January 5.

AD7DB, David will activate some Fm sats from CM95, CM96, DM05, DM06 on January 12.

N7JY, John will activate Fm sats from DM23 from January 19 to the 27.



Félix, EA4GQS from IN73

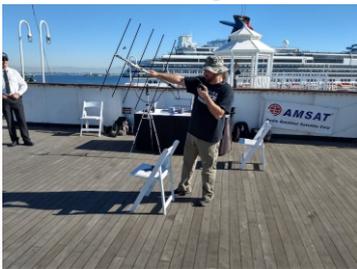
Activities now over

AL6D/KH6, Gabe was active from Hawaii BL10/BL11

EA4NF, Philippe, was active as F/EA4GQS from Jn44

EA4GQS, Félix was active from In73.

EA7AFM, Pedro was active from the School Ship Juan Sebastian El Cano using the call AM7PVM



Endaf, N6UTC working SO-50 as W6RO



AL6D/KH6, Gabe in BL10/11



WB8RJY, Jeff



Miguel, EA4GSX



EA7AFM from the School Ship Juan Sebastian El Cano using the call AM7PVM