
OSCAR's mit analogem Transponder

OSCAR-7 (AO-7)

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[Keine News (aktiv<www.amsat.org/status/>)]

OSCAR-29 (FO-29)

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[Keine News (IB 05.24)]

OSCAR-73 (AO-73)

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[Keine News (aktiv<www.amsat.org/status/>)]

CAS-4B

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[Keine News (08.24 ex)]

OSCAR-100 (QO-100 / Es'hail-2/P4A)

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[Keine News (aktiv<www.amsat.org/status/>)]

[WebSDR:

<https://eshail.batc.org.uk/>

<http://websdr.is0grb.it:8901/>

<http://appr.org.br:8902/>

<https://nolle.engineering/websdr/>

DX-Cluster:

<http://cluster.f5len.org/index.php?what=qo100>

<http://www.dxsummit.fi/#/?include=2.3GHz,10GHz&sat=true>

<https://dx-cluster.de/index.php?x=qo100>

DATV:

<http://www.twitch.tv/pa3fbx>

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OSCAR-97 (JO-97 / JY1Sat)

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[Keine News (aktiv<www.amsat.org/status/>)]

Radio-Sputnik-44 (RS-44 / DOSAAF-85)

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[Keine News (aktiv<www.amsat.org/status/>)]

OSCAR's mit digitalem Transponder / Repeater

OSCAR-50 (SO-50)

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[Keine News (aktiv)]

OSCAR-91 (AO-91 / RadFxSat/Fox-1B)

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[Keine News (aktiv<www.amsat.org/status/>)]

OSCAR-101 (PO-101 / Diwata-2)

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[Keine News (aktiv<www.amsat.org/status/>)]

Tevel-2, 3, 5 - 8

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[Keine News (2,5,7: aktiv<www.amsat.org/status/> / 3,6: aktiv? / 8: IB 06.24)]
[Vorausgerechnetes Verglühen:
3 (50988): 03.08.24 / 8 (50989): 04.08.24 / 5 (50998): 18.07.24 /
6 (50999): 19.07.24 / 7 (51062): 03.08.24 / 2 (51069): 04.08.24]

OSCAR-117 (IO-117 / GreenCube)

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[Keine News (aktiv)]

OSCAR-121 (SO-121 / Hades-D)

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[Keine News (aktiv<www.amsat.org/status/>)]

CubeSat's und andere Satelliten mit Amateurfunkfrequenz

OSCAR-11 (UO-11)

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[Keine News (aktiv? - 145.8250 MHz FM)]

OSCAR-55 (CO-55 / Cute-1)

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[Keine News (aktiv - 436.8352 MHz CW-Sinus)]

OSCAR-57 (CO-57 / XI-IV)

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[Keine News (aktiv - 436.8484 MHz CW(USB))]

OSCAR-58 (CO-58 / XI-V)

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[Keine News (aktiv - 437.4647 MHz CW(USB))]

OSCAR-65 (CO-65 / Cute-1.7+APD II)

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[Keine News (aktiv - 437.2737 MHz CW(USB))]

OSCAR-66 (CO-66 / SEEDS-2)

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[Keine News (aktiv - 437.4852 MHz CW(USB))]

PRISM

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[Keine News (IB 04.24 - 437.2511 MHz CW(USB))]

KKS-1

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[Keine News (aktiv? - 437.3866 MHz CW(USB))]

SwissCube-1

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[Keine News (1B 05.24 - 437.5013 MHz FSK(USB))]

GOMX-1

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[Keine News (1B 06.24 - 437.2516 MHz)]

OSCAR-74 (LO-74 / CubeBug-2)

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[Keine News (1B 04.24 - 437.4430 MHz FM)]

BugSat-1

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[Keine News (11.24 ex - 437.4445 MHz FM)]

LilacSat-2

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[Keine News (aktiv? - 437.2240 MHz FM)]

CAS-2T

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[Keine News (1B 06.24 - 435.7087 MHz CW(USB))]

Lucky-7

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[Keine News (aktiv? - 437.5225 MHz FM)]

CubeSX-HSE

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[Keine News (aktiv? - 435.6495 MHz FM)]

ORBICRAFT-ZORKIY

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[Keine News (aktiv - 437.8500 MHz FM)]

TUBIN

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[Keine News (aktiv - 435.9490 MHz FM)]

KOSEN-1

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[Keine News (IB 03.24 - 435.5245 MHz CW(USB))]

VZLUSAT-2

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[Keine News (10.24 ex - 437.3245 MHz FM)]

IRIS-C

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[Keine News (IB 06.24 - 436.9150 MHz FM)]

MRC-100

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[Keine News (08.24 ex - 436.7200 MHz FM)]

UMKA-1

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[Keine News (IB 06.24 - 437.6240 MHz FM)]

Veronika

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[Keine News (11.24 ex - 436.680 MHz)]

KAFASAT

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[Keine News (11.24 ex - 435.835 MHz FM)]

ENSO

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[Keine News (12.24 ex - 436.500 MHz FM / 14.099 MHz CW)]

Eirsat-1

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[Keine News (12.24 ex - 437.100 MHz FM)]

NanoFF-A & NanoFF-B

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[Keine News (01.25 ex - 435.950 MHz FM)]

SONATE-2

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[Keine News (1B 03.24 - 145.840 MHz CW / aktiv? - 145.8810 MHz FM-SSTV /
aktiv? - 437.0250 MHz FM)]

KASHIWA

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[Keine News (1B 06.24 - 437.3754 MHz CW(USB))]

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Firefly Delivers New Amateur Satellites to Orbit

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The Firefly Alpha FLTA005/NASA ELaNa 43 mission, nicknamed "Noise of Summer," launched successfully at 04:04 UTC on July 4 (Wednesday evening, July 3 in the U.S.) and deployed eight new cube satellites to Low Earth Orbit (LEO). Five of these cubesats carry amateur radio equipment.

The cubesats were placed into a sun-synchronous Earth orbit, meaning that all locations on earth will see high-elevation passes roughly between 8:00 and 10:00 a.m. and between 8:00 and 10:00 p.m. local time daily, with lower elevation passes earlier and later.

<http://www.youtube.com/watch?v=VWAg2vWfWnY>

MESAT-1

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Among the newly-deployed satellites, the one of greatest interest to the amateur radio community is MESAT1. Built by the University of Maine, in cooperation with AMSAT, this satellite carries a 30 kHz wide V/U Transponder plus a 1k2 BPSK telemetry downlink. Telemetry downlink 435.800 MHz with transponder downlink 435.810-435.840 MHz, and transponder uplink 145.910-145.940 MHz. Amateurs are encouraged to use AMSAT's FoxTelem software to collect telemetry.

MESAT1 involves three missions designed by high school students in Maine. The science payloads are climate focused and include ALBEDO, IMAGER, and HAB. These will identify urban heat islands, determine concentration of phytoplankton in water bodies, and help predict harmful algal blooms. Four multispectral cameras on board will relay the data down to University of Maine's ground station for further processing. Amateurs are encouraged to use AMSAT's FoxTelem software to collect telemetry and assist in these science projects.

Info: <https://mainesat.org/mesat1.php>
<https://umaine.edu/wisenetlab/mesat1/>
https://iaru.amsat-uk.org/finished_detail.php?serialnum=822
<https://umaine.edu/news/blog/2024/05/13/maines-first-research-satellite-to-launch-this-year/>
Kepler: 2024-126 (evtl. 60209)
Status: ?
Start: 04.07.2024 Vandenberg SLC-2W Firefly Alpha

CatSat

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Also deployed was CatSat, a technology demonstration of an inflatable antenna for high-speed communications, built by the University of Arizona. CatSat's deployable antenna consists of a Mylar balloon. The front half of the balloon is transparent, allowing microwaves to pass through. The back half of the balloon is aluminized, creating a reflecting antenna. After reaching low Earth orbit, CatSat's antenna will deploy and inflate to a diameter of just over one-and-a-half feet. CatSat's demonstration will be to transmit high-definition Earth photos to 10 GHz, X-band ground stations at ~50 megabits per second.

In addition to images, data about the structure of the Earth's ionosphere will be gathered by listening-in to thousands of beacons from ground-based ham radio stations. CatSat will relay WSPR and FT8 signals from HF. Downlinks on 437.185 MHz and 10470.00 MHz.

Info: https://iaru.amsat-uk.org/finished_detail.php?serialnum=721
https://www.youtube.com/watch?v=EHDgrI_w8hY&t=9935s
Kepler: 2024-126
Status: ?
Start: 04.07.2024 Vandenberg SLC-2W Firefly Alpha

Serenity

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Serenity, which uses a 4k8 FM with AX25 downlink on 437.100 MHz. Serenity was built by Teachers in Space, Inc., a 501(c)(3) nonprofit educational organization in North America that stimulates student interest in science, technology, engineering, and mathematics (STEM). They provide teachers with real space science experiences, space flight opportunities, and industry connections.

Info: https://iaru.amsat-uk.org/finished_detail.php?serialnum=977

Kepler: 2024-126

Status: ?

Start: 04.07.2024 Vandenberg SLC-2W Firefly Alpha

KUbeSat-1

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KUbeSat-1, revives small satellite research at the University of Kansas and starts a new KUbeSat program that will offer space access to student research. The main payload on KUbeSat-1 is the Primary Cosmic Ray Detector which will use a new method to measure the energy and species of primary cosmic rays hitting the Earth. The secondary payload is the High-Altitude Calibration, (HiCalK) that builds on decades of research surrounding Very High Frequency signals generated by cosmic ray interactions with the atmosphere. UHF downlink using 9k6 GMSK. A downlink on 437.085 MHz.

Info: https://iaru.amsat-uk.org/finished_detail.php?serialnum=800

Kepler: 2024-126

Status: ?

Start: 04.07.2024 Vandenberg SLC-2W Firefly Alpha

SOC-i

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SOC-i (Satellite for Optimal Control and Imaging) is a technology demonstration mission of attitude control technology and a camera that serves as an instrument to demonstrate SOC-i's pointing abilities. Developed at the University of Washington, SOC-i has a UHF downlink using 4k8 GMSK. downlink 437.125 MHz.

Info: https://iaru.amsat-uk.org/finished_detail.php?serialnum=833

Kepler: 2024-126

Status: ?

Start: 04.07.2024 Vandenberg SLC-2W Firefly Alpha

Amateur Radio on ISS (ARISS)

Packet Radio (APRS) / SSTV / Repeater

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[Keine News

(www.ariss.net/ - 145.825/145.825 MHz FM APRS
www.amsat.org/status/ - 145.800 MHz FM SSTV
aktiv - 145.990/437.800 MHz FM Repeater
<https://www.ariss.org/current-status-of-iss-stations.html>)

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