

Beacon Manufacturer's Workshop 2011

NOAA Report

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May 20, 2011



NOAA-SARSAT Status



Status of Operational Spacecraft

S7 (NOAA-15)	FOC
S8 (NOAA-16)	FOC
S9 (NOAA-17)	FOC
S10 (NOAA-18)	FOC
S11 (MetOp A)	FOC
S12 (NOAA-19)	FOC

GOES-11 (West): Positioned at 135W
GOES-12: at 60W, to support Brazil
GOES-13 (East): Positioned at 75W
GOES-14: In storage at 105W
GOES-15: stored at 90W

NOAA-SARSAT Status



Future SARSAT spacecraft launches (approx.)

LEOSAR

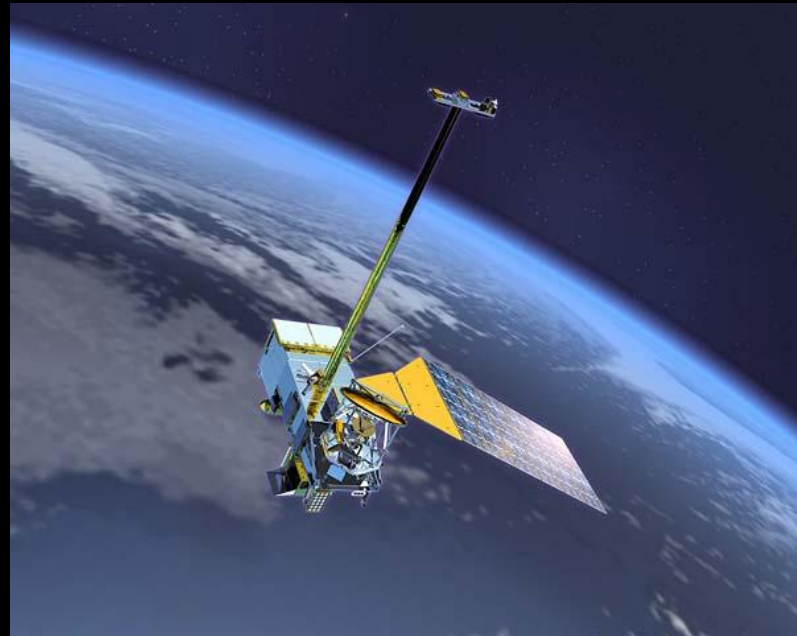
MetOp B:

April 2012

GEOSAR

GOES R:

Sep 2015



Joint Polar Satellite System (JPSS)

NOAA-SARSAT Status



Status of Ground Segment

LEOLUTs

AK 1 & 2 (NOAA CDA Station - Fairbanks, Alaska) - operational

CA 1 & 2 (Vandenberg AFB, California) - operational

FL 1 & 2 (USCG Commsta Miami, Florida) - operational

GU 1 & 2 (Anderson AFB, Guam) - operational

HI 1 & 2 (USCG Commsta, Wahiawa, Hawaii) - operational

LSE (NSOF – Suitland, Maryland)

GEOLUT

MD 1 & 2 (NSOF – Suitland, Maryland) – operational

GSE (NSOF – Suitland, Maryland)

MEOLUT

NOAA MEOLUT to be installed in Hawaii by Sept 30, 2011.

NOAA-SARSAT Status



Status of U.S. Mission Control Center

USMCC system availability: 99.97% available for 2010 (2.5 hours downtime)
99.98% available for 1Q11



NOAA-SARSAT Status



USMCC has a backup location at Wallops Island, VA



SARSAT Saves



In 2010 a total of **295** lives were rescued in the U.S. SRR as a result of the Cospas-Sarsat System:

- 180 lives rescued via EPIRBs
- 43 lives rescued via ELTs
- 72 lives rescued via PLB

Previous years saves

2009: 195

2008: 282

2007: 353

2006: 272

2005: 222

2004: 260

2003: 224



SARSAT Saves



Rescues in the US SRR:

January 1 - May 6, 2011

Total: 70 lives saved in 30 events

EPIRB – 31 lives saved in 10 events

ELT – 4 lives saved in 2 events

PLB – 35 lives saved in 18 events



6,599 people have been rescued in the United States since 1982

Live Testing of Beacons



The COSPAS-SARSAT (C/S) System is an operational entity, and is not designed for “live” testing. This is what the inverted frame synch is for.

A policy on beacon testing has been posted on the SARSAT web site. This is to remind readers that “live” testing of their beacons is not allowed by the Cospas-Sarsat system.

To read the policy, go to the left column of the NOAA web site, www.sarsat.noaa.gov and click the link under the section titled “How You Can Help “SARSAT.” The link for EPIRB testing procedures will still be right below it, which discusses proper “self testing” of the EPIRB, not “live” testing.

Live Testing of Beacons



On-line Beacon Registration

- [SARSAT \(Home\)](#)
- [What's New @ SARSAT?](#)
- [Background/History](#)
- [SARSAT Mission Statement](#)
- [Media/Press Information](#)

How SARSAT Works For You

- [SARSAT System Overview](#)
- [Emergency Beacons](#)
- [Satellites](#)
- [Ground Stations](#)
- [U.S. Mission Control Center](#)
- [Rescue Coordination Centers](#)
- [Recent Rescues](#)

How You Can Help SARSAT

- [Register Your Beacon](#)
- [False Alerts, and Prevention](#)
- [Lost Your Beacon???](#)
- [Testing Policy](#)
- [PIRR Testing Procedures](#)

Additional Information

- [Alaska PLB Program](#)
- [Frequently Asked Questions](#)
- [Dictionary](#)
- [SARSAT Slide Presentations](#)
- [System Documentation](#)
- [Cospas-Sarsat Future](#)
- [SARSAT Meetings](#)

NOAA Satellite and Information Service
National Environmental Satellite, Data, and Information Service (NESDIS)

Search and Rescue Satellite-aided Tracking

Alert*** [FEBRUARY 1, 2009 Cospas-Sarsat ceased coverage of 121.5 MHz and 243 MHz Emergency Beacons](#)
- [Click here for more information](#)

-Pilots are reminded and encouraged to monitor 121.5 MHz from their cockpit to listen for other aircraft that may be in distress.

COSPAS-SARSAT Rescues as of:

May 14, 2010

Number of Persons Rescued (To Date) in the United States: 106

- Rescues at sea: **53** people rescued in **19** events
- Aviation rescues: **22** people rescued in **4** events
- Terrestrial rescues: **31** people rescued in **12** events

Worldwide - **Over 27,000+** People Rescued (since 1982)
United States - **6,340** People Rescued (since 1982)

<http://www.sarsat.noaa.gov/sarsat.html>

Questions and Contact Information



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