

USN support of Sirius-FM7 from Hawaii

Sirius/XM Satellite Radio’s Sirius-FM7 launches from the Kennedy Space Center on a SpaceX launch vehicle. Nominal lift-off time schedule is: November 6th, 2020. USN will support the final orbital maneuver (AMF#4) 10 days after Launch and Early Orbit (LEOP), orbit to parking raising followed by the In Orbit Testing (IOT) phases of the mission for a period of 21 days.

Sequence of events for support of Sirius-FM7 from USN-Hawaii:

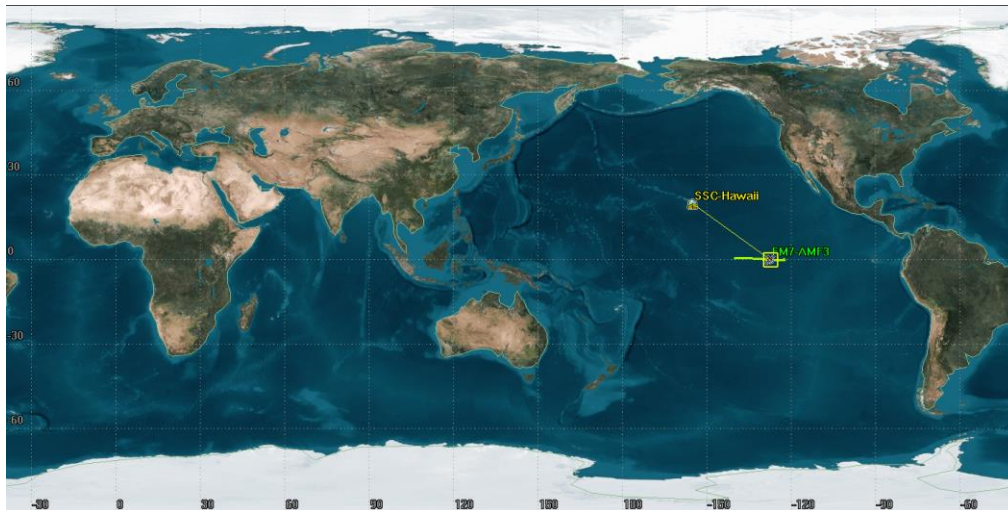
Event	Date	Time
Launch	6-Nov	TBD
End of AMF#3 burn	15-Nov	13:56:39 UTC
Hawaii AOS 24/7 continuous	15-Nov	13:56:39 UTC
End of AMF#4 burn	16-Nov	12:41:18 UTC
Spacecraft parked at 120.5 W for IOT	16-Nov	12:41:18 UTC
Commence IOT for 21 days	16-Nov – 7 Dec	

Detailed pass support

USN will support Sirius-FM7 continuously from Nov 15th thru Dec 7th.

Spacecraft Post AMF#3 Orbital Elements:

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Sirius XM7 Post AMF 3
1 28364U 04024A 20320.58101528 -.00000300 00000-0 10000-3 0 573
2 28364 0.3722 123.0972 0320449 175.5112 186.4409 1.05257917 837
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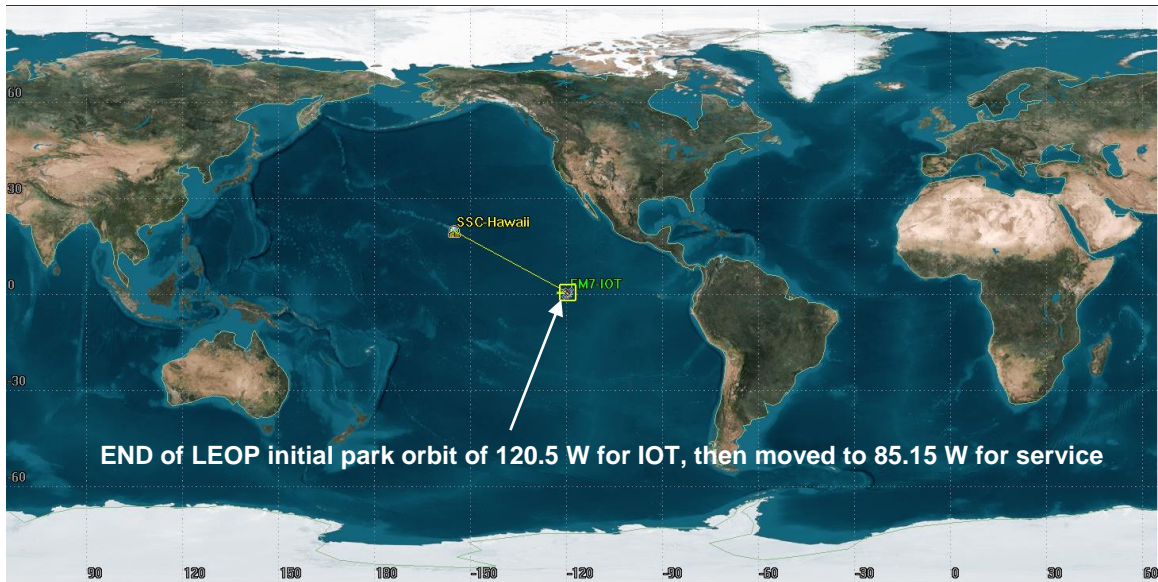
USN Hawaii coverage of Sirius-FM7.
Continuous support visibility starting on Nov 15th at 13:56 UTC.

Spacecraft Post AMF#4 Orbital Elements:

Sirius XM7 Post AMF 4

1 28364U 04024A 20321.52868704 -.00000300 00000-0 10000-3 0 574

2 28364 0.0894 121.1315 0003177 182.0910 180.5872 1.00467189 837



USN Hawaii coverage of Sirius-FM7 END of LEOP phase

USN now transitions into the IOT phase to support the in orbit testing and commissioning of the spacecraft for the next 21 days ending on Dec 7th 2020.