

Video: Sentinel-3A liftoff

February 17 2016

Replay of the Sentinel-3A liftoff on a Rockot launcher from the Plesetsk Cosmodrome in northern Russia at 17:57 GMT (18:57 CET) on 16 February 2016.

Sentinel-3A is the third satellite to be launched for Europe's Copernicus environment monitoring programme.

Designed as a two-satellite constellation – Sentinel-3A and -3B – the Sentinel-3 mission carries a series of cutting-edge instruments for systematic measurements of Earth's oceans, land, ice and atmosphere. Over oceans, Sentinel-3 measures the temperature, colour and height of the sea surface as well as the thickness of sea ice. These measurements will be used, for example, to monitor changes in sea level, marine pollution and [biological productivity](#). Over land, this innovative mission will monitor wildfires, map the way land is used, provide indices of vegetation state and measure the height of rivers and lakes.

Provided by European Space Agency

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