

Landsat-9 lifts off from Vandenberg base, California.

Landsat8 OLI-TIRS acquired on 22 November 2020 at 18:40:45 UTC

Sentinel-2 MSI acquired on 22 November 2020 at 18:47:09 UTC

Landsat7 ETM acquired on 23 November 2020 at 17:55:34 UTC

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Keyword(s): NASA, launchpad, California, United States, USA



[2D Layerstack](#)

Fig. 1 - L8 [22.11.2020 18:40] - Landsat-9 took off from Vandenberg, California on 29 September 2021. It will double OLI-TIRS acquisitions. [2D view](#)



Its payload is similar to Landsat-8, launched in 2013: 8 30m optical bands, a 15m panchromatic & 2 100m thermal infrared. It has a 16-day cycle.

Fig. 2 - S2 (22.11.2020 18:47) - Sentinel-2 was launched in 2015 & 2017, both with a 10-day cycle. Each has 4 10m VNIR, 6 20m IR & 3 60m absorption bands.

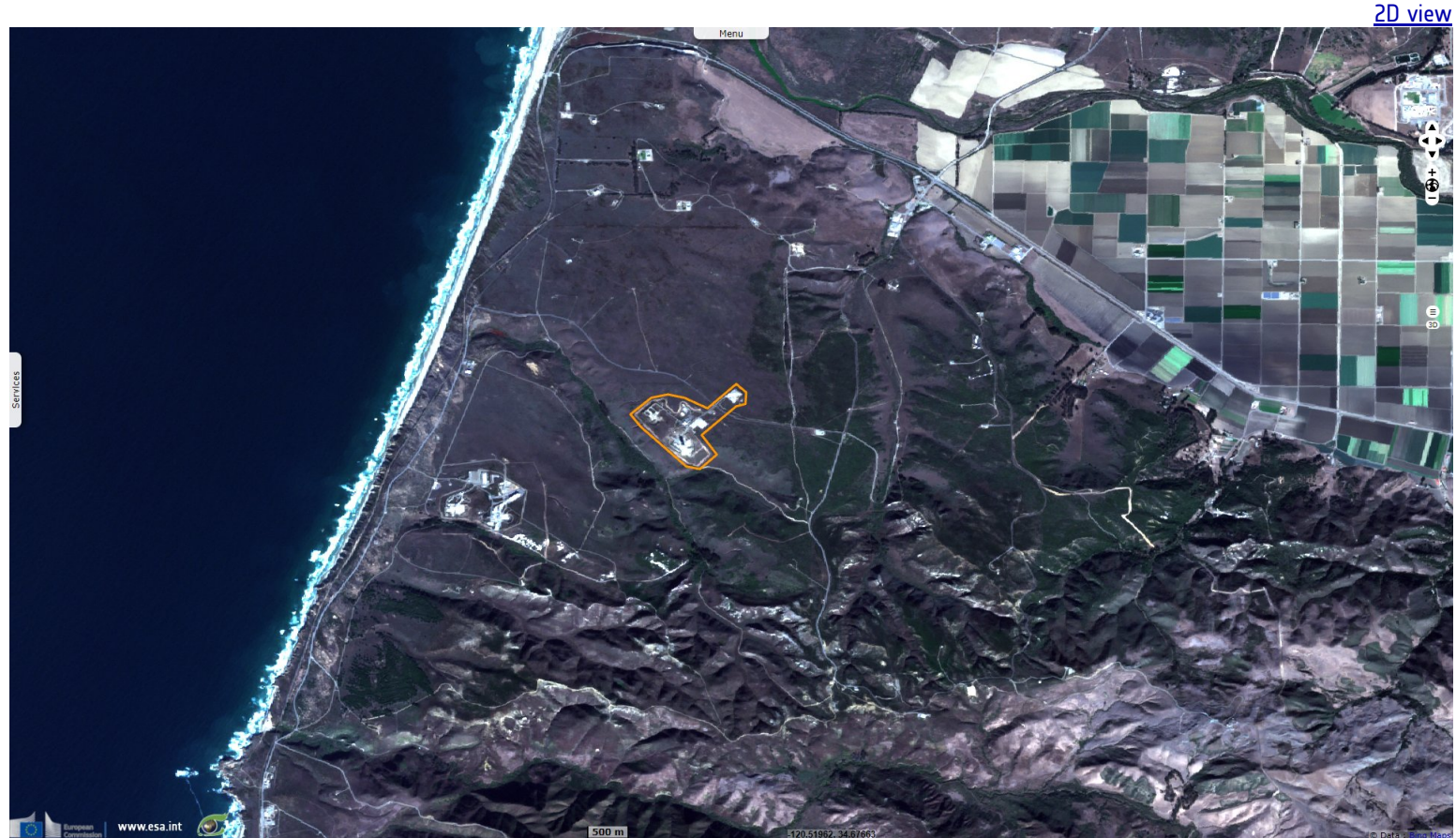
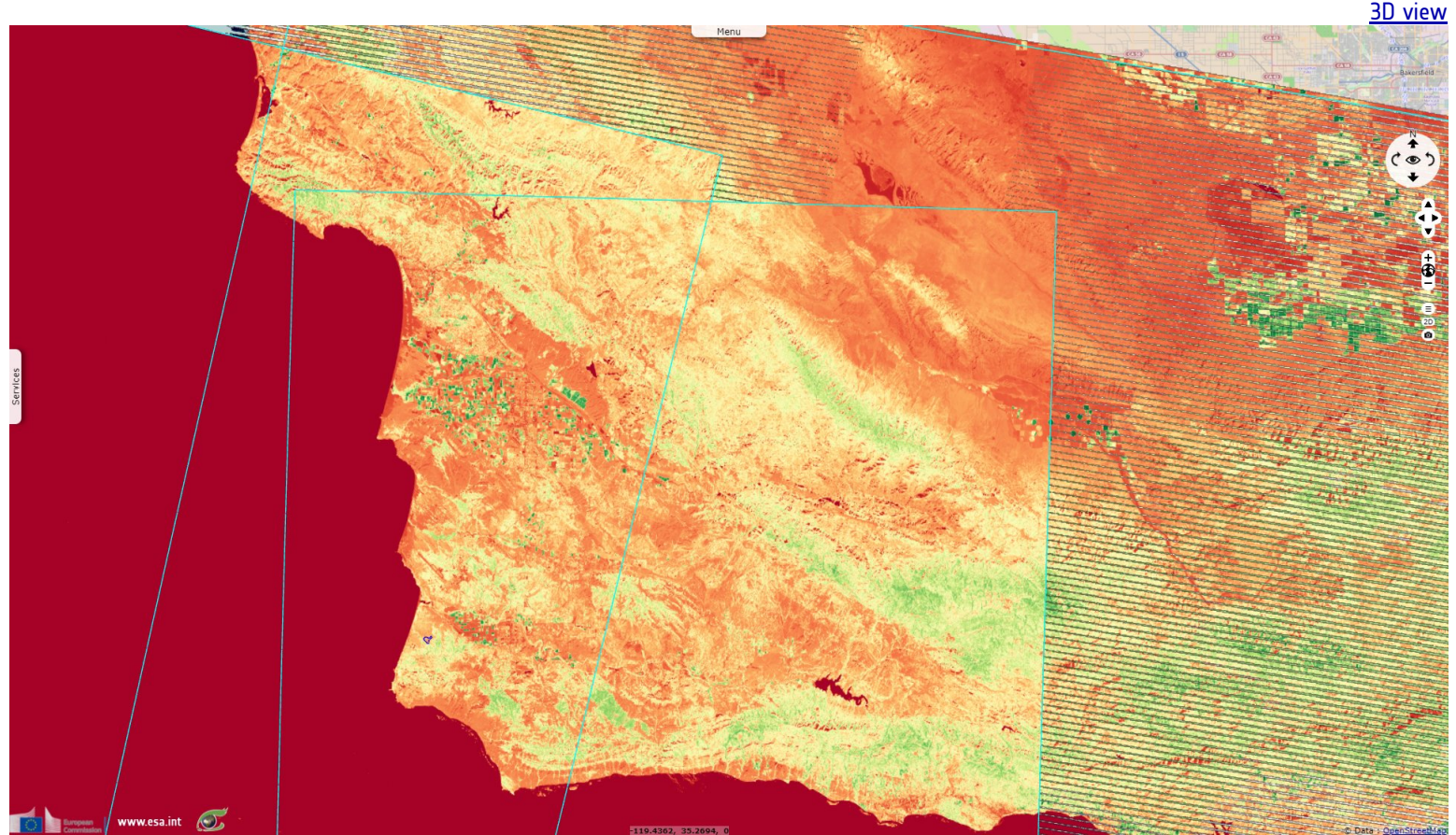














Fig. 3 - L7 (23.11.2020) - Landsat-7 was launched in 1999, its sensor has 6 30m optical bands, a 15m panchromatic & a 60m thermal IR. It has a 16-day cycle.



Fig. 4 - L8 & S2 (22.11.2020) + L7 (23.11.2020) - Using similar bands, these 3 sensors complement each other by increasing acquisition frequency & archive period.



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