

An atmospheric river floods California, United States

Sentinel-1 CSAR IW acquired on 08 December 2022 from 01:59:42 to 02:00:07 UTC

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Sentinel-1 CSAR IW acquired on 13 January 2023 from 01:59:15 to 02:00:05 UTC

Sentinel-1 CSAR IW acquired on 18 January 2023 from 02:07:22 to 02:08:37 UTC

Sentinel-3 OLCI FR & SLSTR RBT acquired on 20 January 2023 at 18:29:51 UTC

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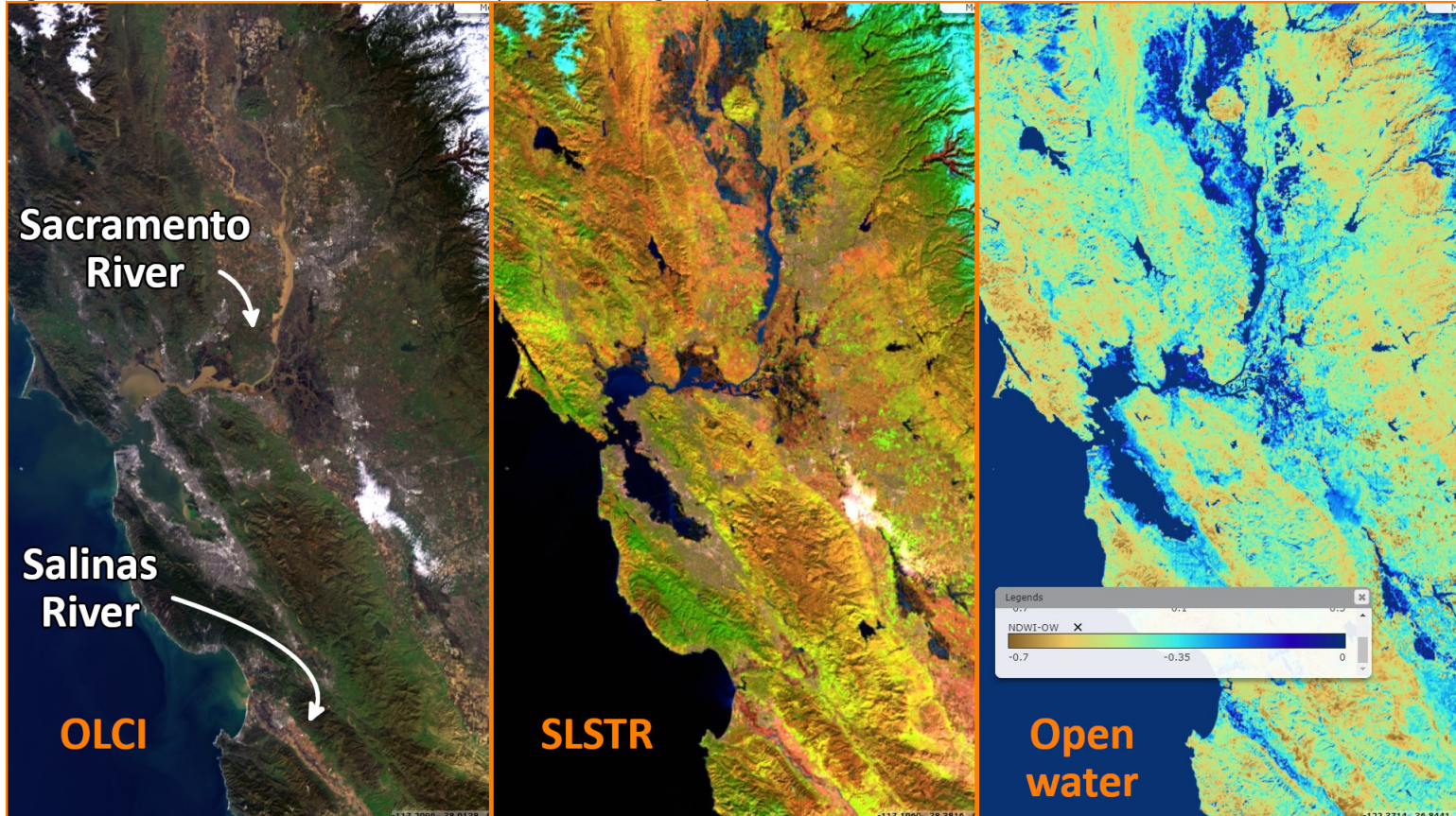
Keyword(s): Emergency, natural disaster, coastal, rainfall, orographic precipitation, hydrology, urban planning, climate change, water colour, alluvium, sediments, California, United States, USA



[2D Layerstack](#)

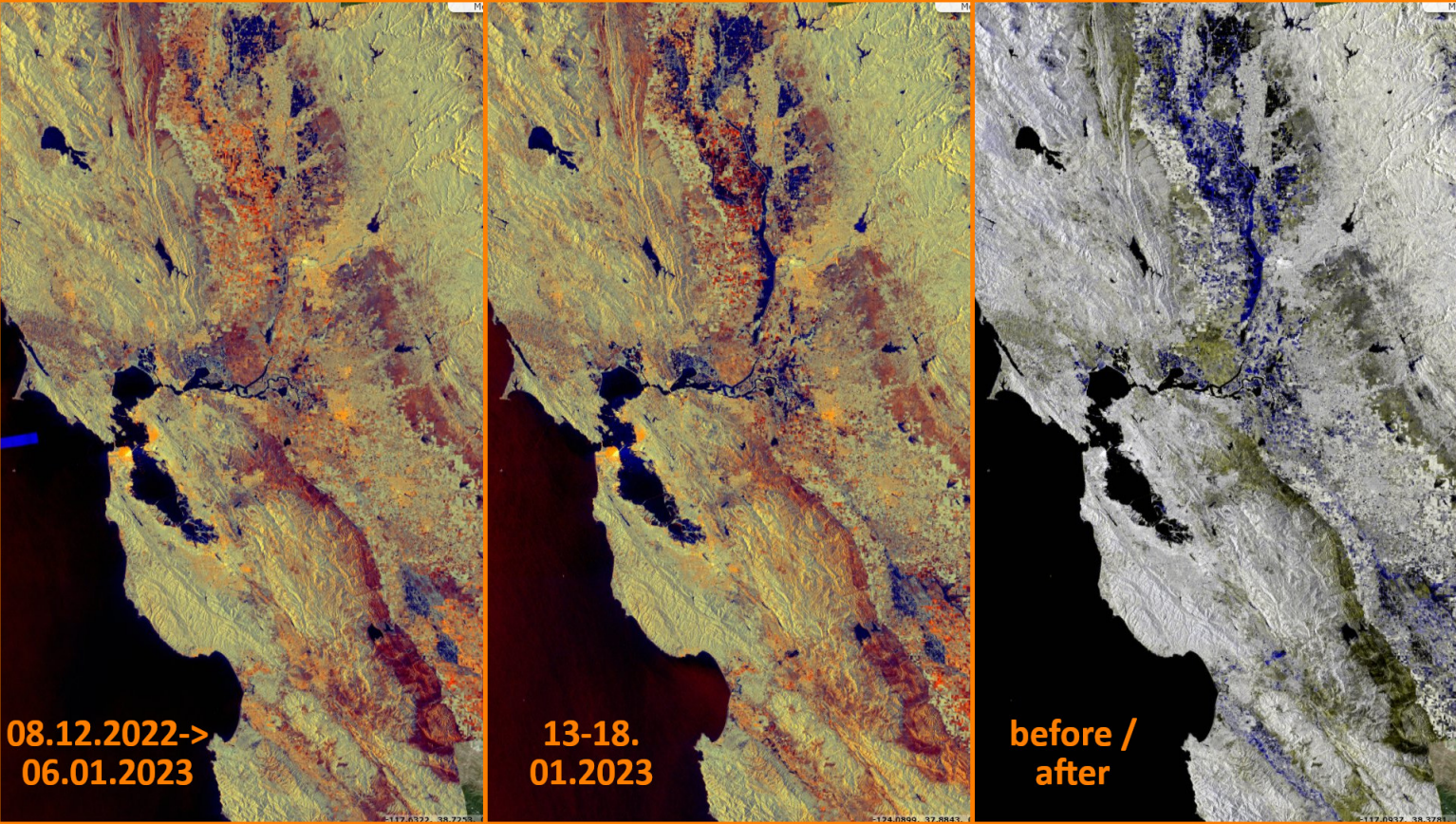
Fig. 1 - S3 OLCI & SLSTR (20.01.2023) - An atmospheric river brought up to 400 mm on California in 48h.

[2D view](#) [2D view](#) [2D view](#)















An atmospheric river brought heavy rain and snow to parts of California on 31 December 2022. For a 48-hour period to 10 January, even more important rainfall occurred. Nearly all of California has seen much above average rainfall totals over the past several weeks with totals 400-600% above average values.

Fig. 2 - S1 (08.12.2022->06.01.2023; 13-18.01.2023) - The flooded areas show in blue on these views. [2D view](#) [2D view](#) [3D view](#)



Parts of Los Angeles have been flooded but even more in San Francisco Bay Area, in particular the Sacramento river and Salinas river overflowed and took a yellow hue due to alluvium.

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