## Sentinel Vision SED-1036 04 March 2022

## Once in a generation flooding in eastern Australia

Sentinel-2 MSI acquired on 09 February 2022 at 23:52:39 UTC

Sentinel-1 CSAR IW acquired on 11 February 2022 from 19:13:30 to 19:14:20 UTC

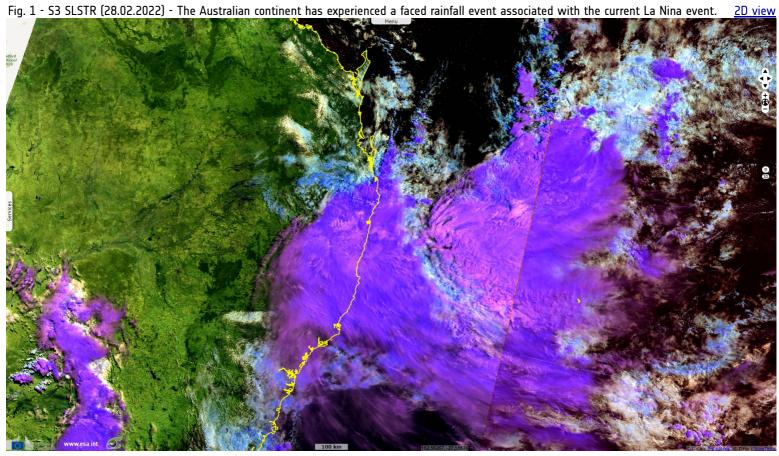
Sentinel-2 MSI acquired on 18 February 2022 at 00:02:41 UTC

Sentinel-1 CSAR IW acquired on 23 February 2022 from 19:13:30 to 19:14:20 UTC

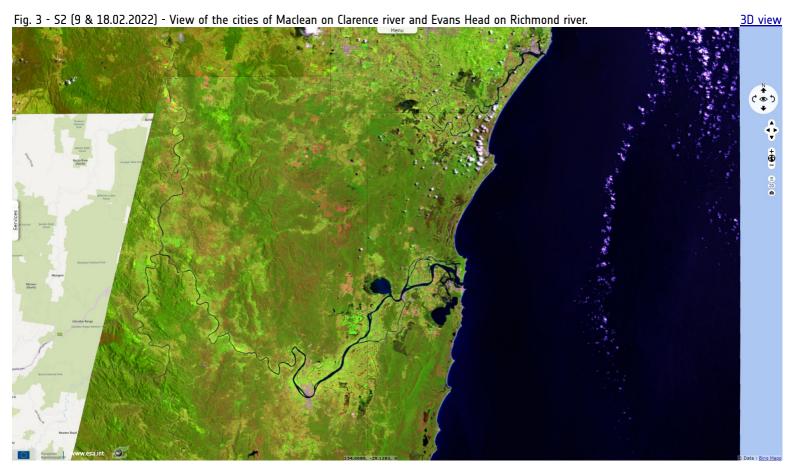
Sentinel-3 SLSTR RBT acquired on 23 February 2022 from 22:52:46 to 23:32:11 UTC

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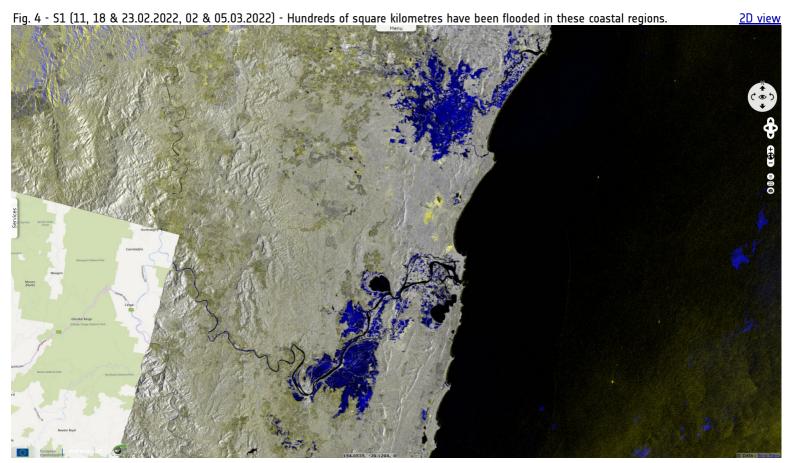
Keyword(s): Emergency, climate change, weather, natural disaster, precipitations, flooding, river, Australia



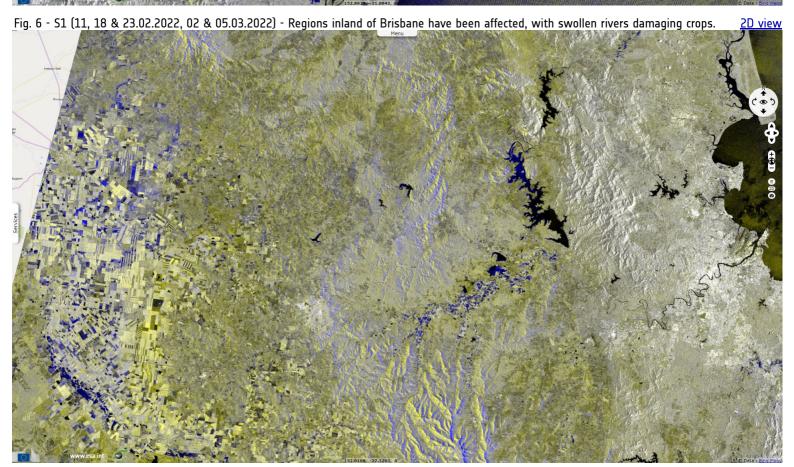




According to <u>floodlist.com</u>, as much as 117 mm of rain fell in just 1 hour in Kippa-Ring, a suburb in the Moreton Bay Region. Bureau of Meteorology figures nearby Clontarf recorded 340 mm in 24 hours on 27 February and 330 the following 24 hour period. The highest total was recorded at Upper Springbrook with 530 mm. The highest in the Brisbane area was Bracken Ridge Reservoir with 444 mm.



A large number of the communities within the area have experienced once in a generation flooding. The Mary River at Gympie jumped to 22.96 metres early 27 February. Major flood stage here is 17 metres. The Wilsons River peaked at a record 14.11 metres early on 28 February, beating previous record highs of 1974 (12.15 m) and 1954 (12.27 m).



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