

04 July 2023 - Record upon record, hottest day recorded on Earth

Sentinel-3 OLCI LRR acquired on 04 July 2023 at 00:02:13 UTC

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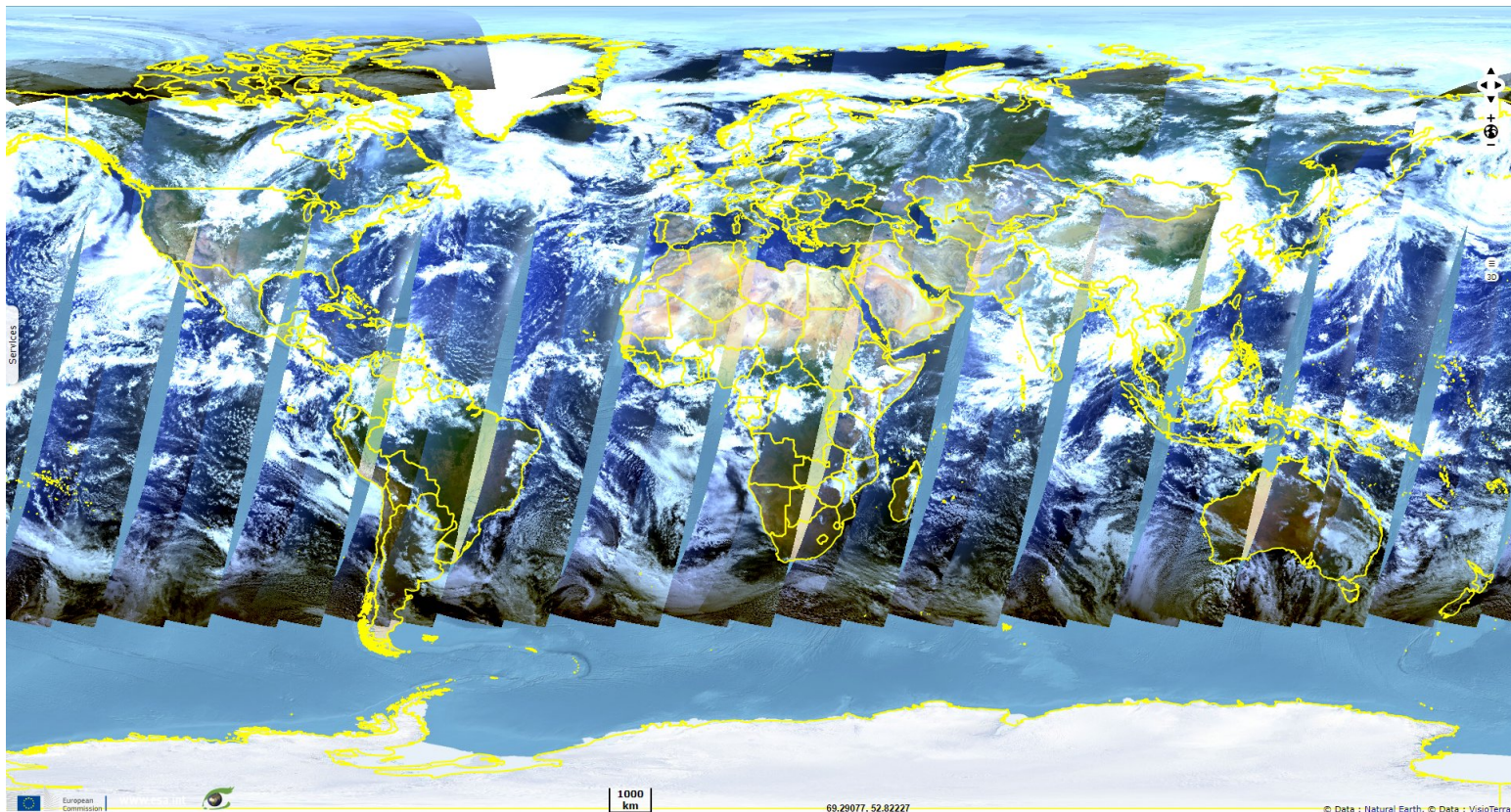
Keyword(s): Climate change, global warming



[2D Layerstack](#)

Fig. 1 - S3 OLCI (04.07.2023) - 04 July 2023 was the warmest day recorded on Earth to this day.

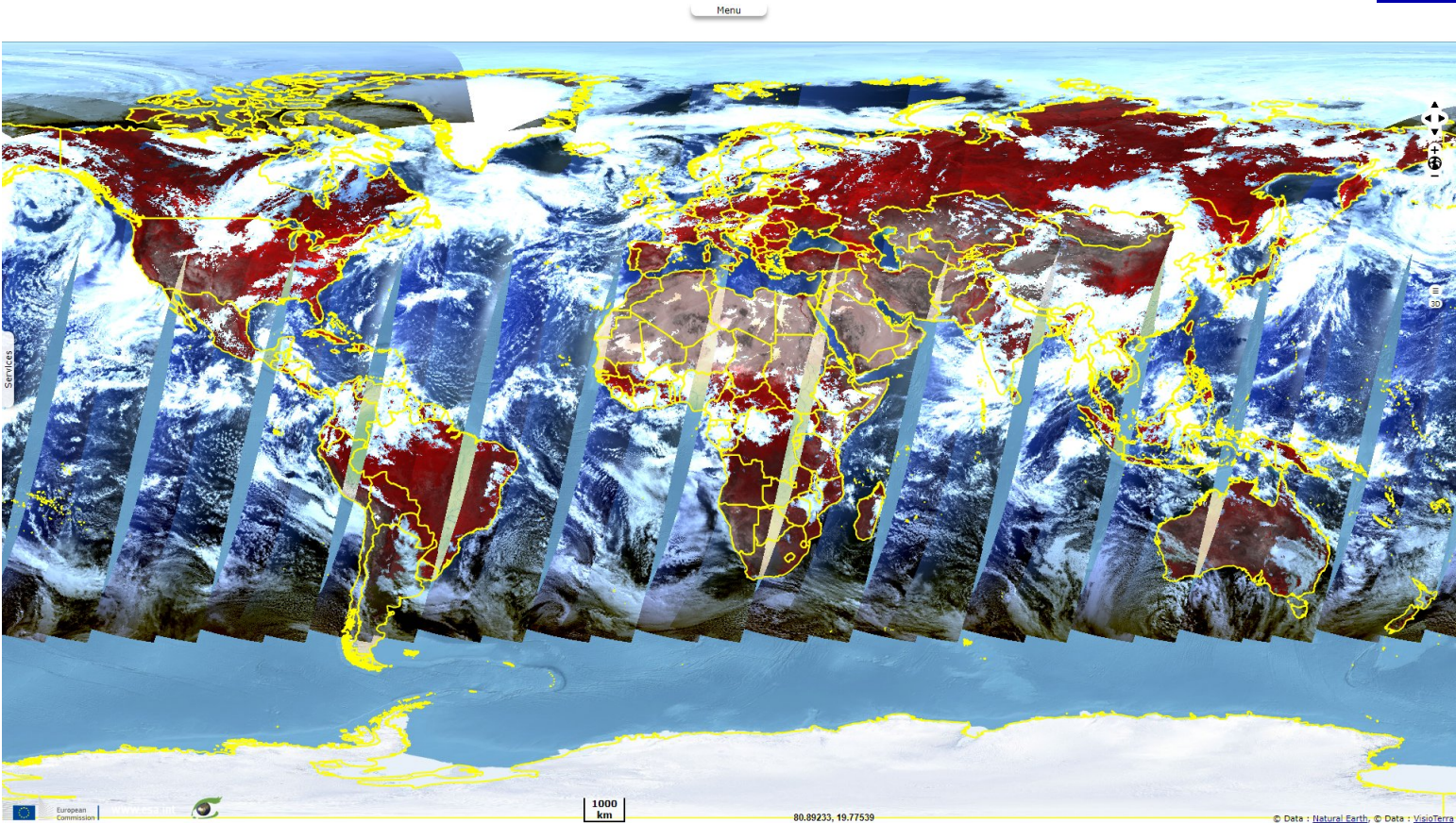
[2D view](#)



On 4 July 2023, the mean air temperature at the planet's surface was measured at 17.18°C. This was well above the 17.01°C measured the previous day, which already beat the previous daily record (16.92°C) measured on 24 July 2022 by a significant margin. At the beginning of June, global mean temperatures were already the hottest ever recorded for this period, beating previous records by a substantial margin.













Fig. 2 - S3 OLCI (04.07.2023) - The record value measured the day before lasted only one day, it smashes by 0.24°C the previous record from 24.07.2022.

[2D view](#)



These records are likely to be broken again in the near future, since the annual maximum is usually reached towards the end of July/beginning of August. In addition, the return of El Niño could further boost new temperature records in the coming years.

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