

Typhoon Mangkhut quickly intensifies near Philippines

Sentinel-3 SLSTR RBT acquired on **09 September 2018** from 11:32:54 to 11:35:54 UTC
Sentinel-3 SLSTR RBT acquired on **10 September 2018** from 00:04:48 to 00:07:48 UTC
Sentinel-3 SLSTR RBT acquired on **11 September 2018** from 12:21:31 to 12:24:31 UTC
Sentinel-1 CSAR EW acquired on **11 September 2018** from 20:47:51 to 20:48:55 UTC
Sentinel-3 SLSTR RBT acquired on **12 September 2018** from 00:53:26 to 00:56:26 UTC

Author(s): Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

Keyword(s): Emergency, natural disaster, atmosphere, storm, climate change, wind, rain, cyclone, hurricane, Philippines



[3D Layerstack](#)

Fig. 1 - S3 SLSTR (09.09.2018) - S8 thermal band with colour map - Typhoon Mangkhut transitioning from tropical storm to typhoon. [3D view](#) [2D view](#)

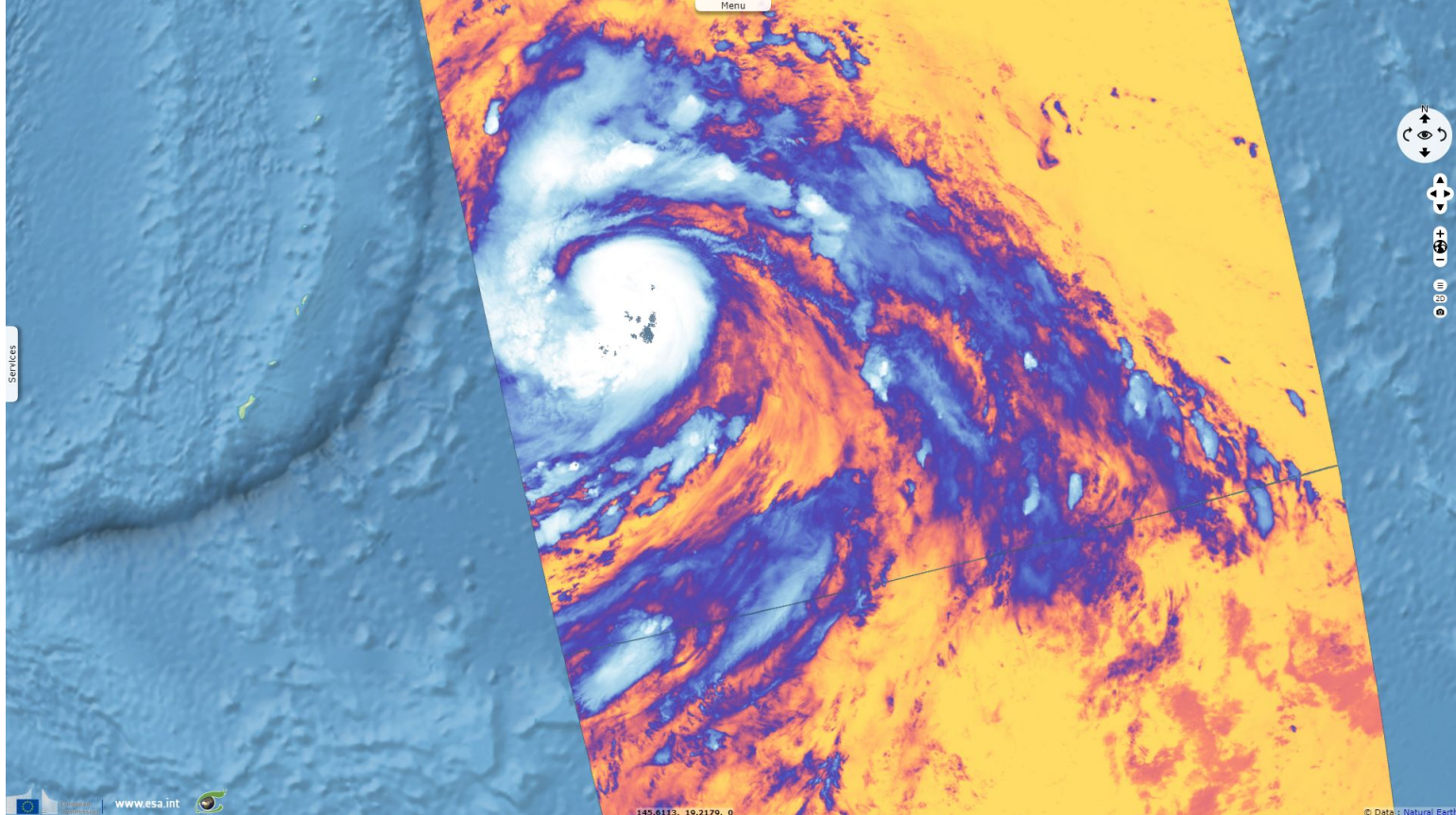


Fig. 2 - S3 SLSTR (10.09.2018) - One day after, its spiral shape is now well defined but the eye is not formed yet. [3D view](#) [2D view](#)

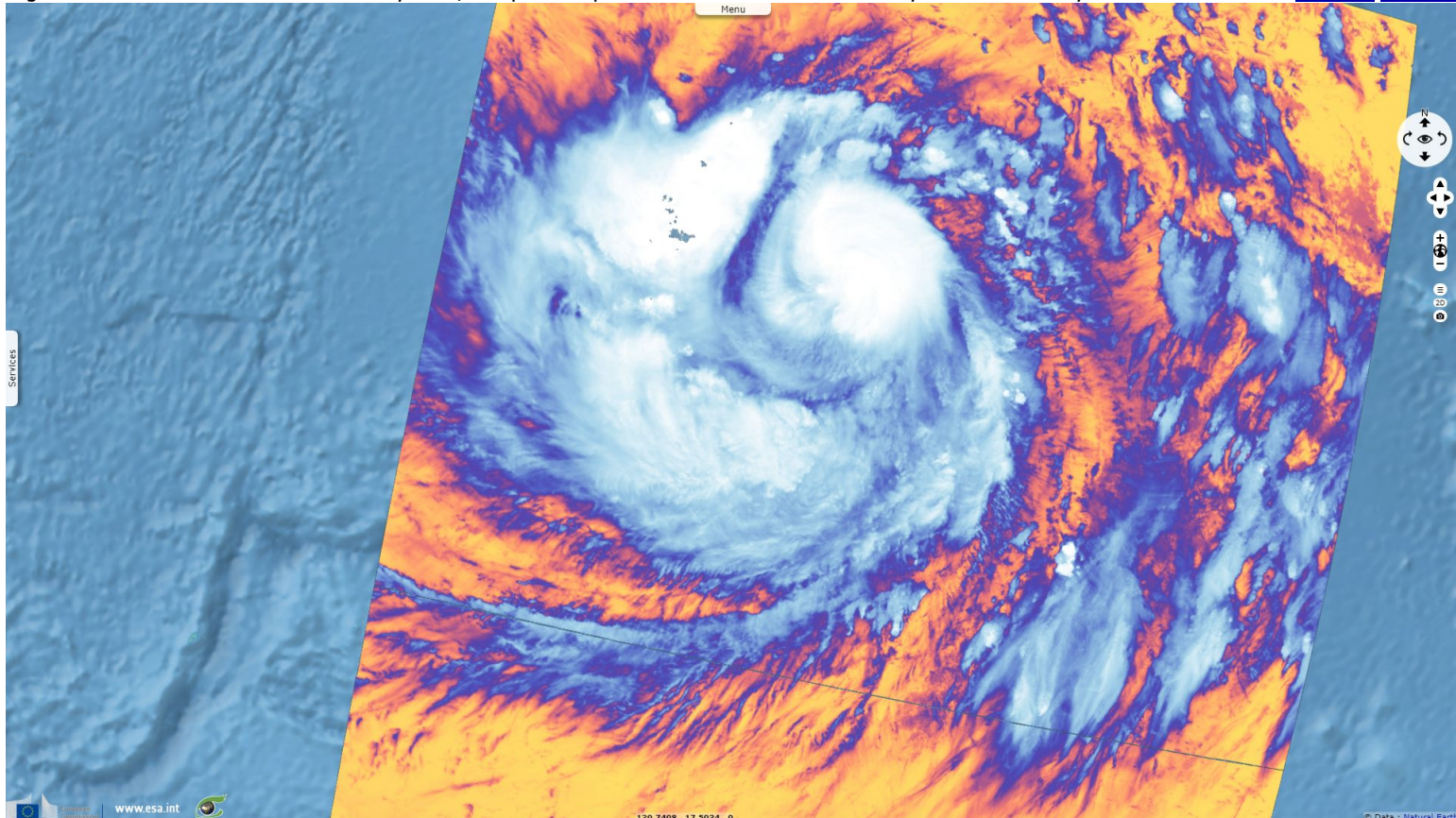


Fig. 3 - S1 EW (11.09.2018) - vv,vh,ndi(vh,vv) colour composite - Formed near Marshall Islands, it now approaches Philippines.

[3D view](#) [2D view](#)

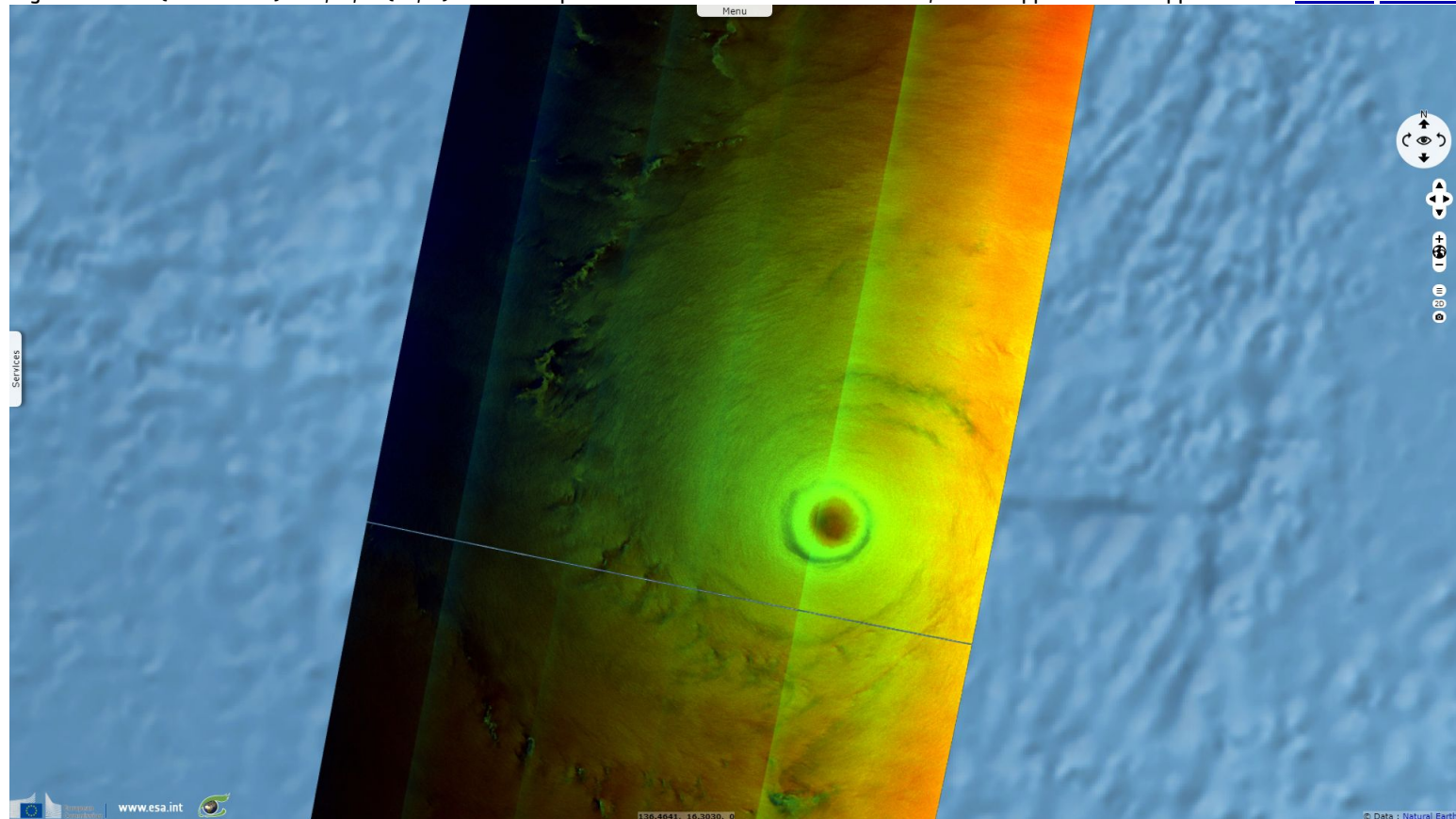
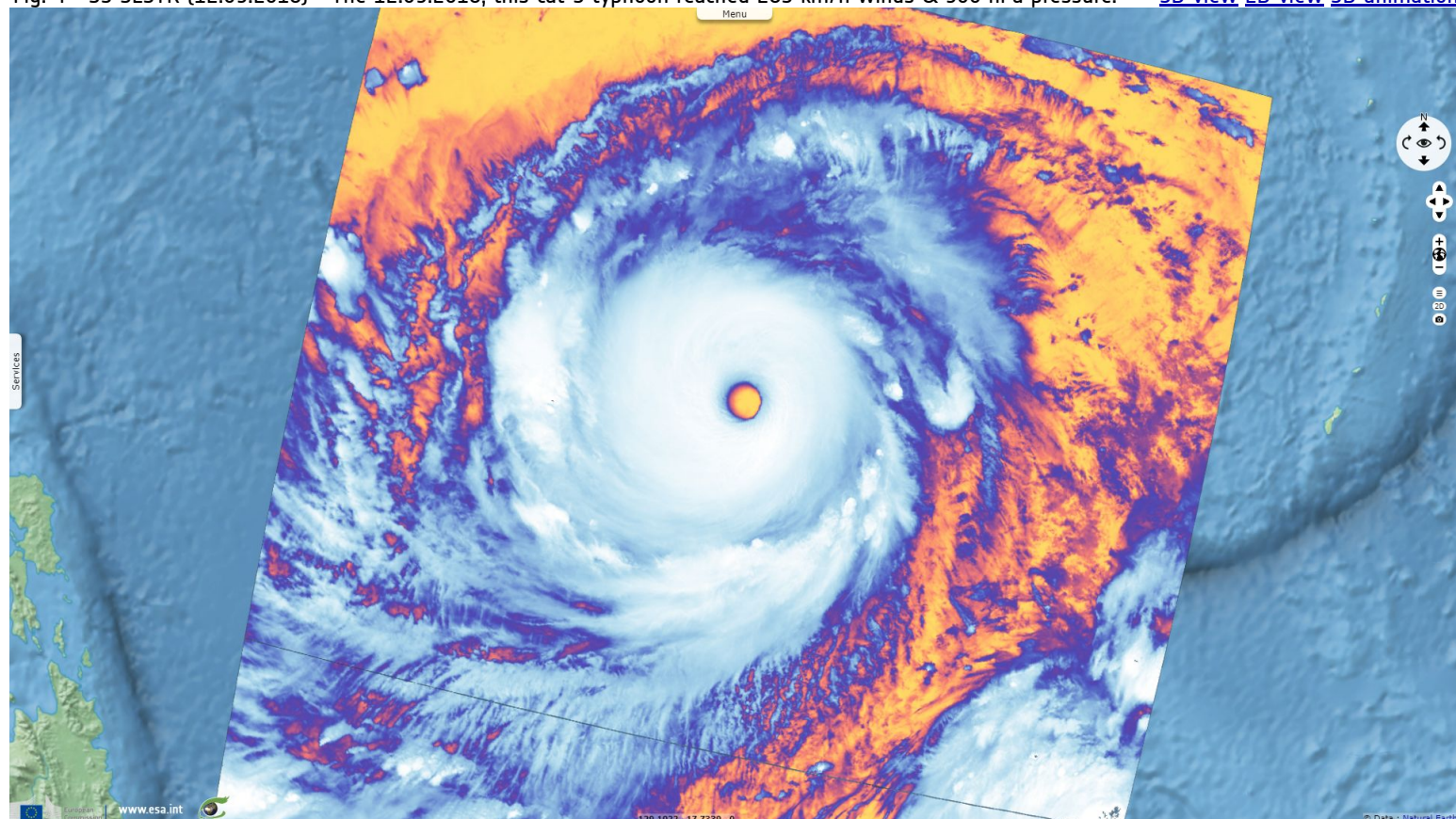


Fig. 4 - S3 SLSTR (12.09.2018) - The 12.09.2018, this cat-5 typhoon reached 285 km/h winds & 900 hPa pressure.

[3D view](#) [2D view](#) [3D animation](#)



The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.

More on European Commission space:						
More on ESA:				S-1 website	S-2 website	S-3 website
More on Copernicus program:				SciHub portal	Cophub portal	Inthub portal Colhub portal
More on VisioTerra:				Sentinel Vision Portal	Envisat+ERS portal	Swarm+GOCE portal CryoSat portal Proba-V portal