Sentinel Vision SED-948 01 October 2021



Mississippi, Ohio & Tennessee colourful meeting, USA

Sentinel-2 MSI acquired on 17 December 2018 at 16:47:09 UTC Sentinel-2 MSI acquired on 17 March 2019 at 16:40:29 UTC Sentinel-2 MSI acquired on 21 April 2019 at 16:39:01 UTC Sentinel-2 MSI acquired on 26 April 2019 at 16:38:49 UTC Sentinel-2 MSI acquired on 29 August 2019 at 16:39:01 UTC

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

Keyword(s): Hydrology, river, water colour, seasons, erosion, sediments, alluvium, precipitations, flooding, United States

Fig. 1 - S2 (29.08.2019) - The Tennessee (blue, east) flows into the Ohio (green, N-E) itself tributary to the Mississippi (light brown, west). 2D view

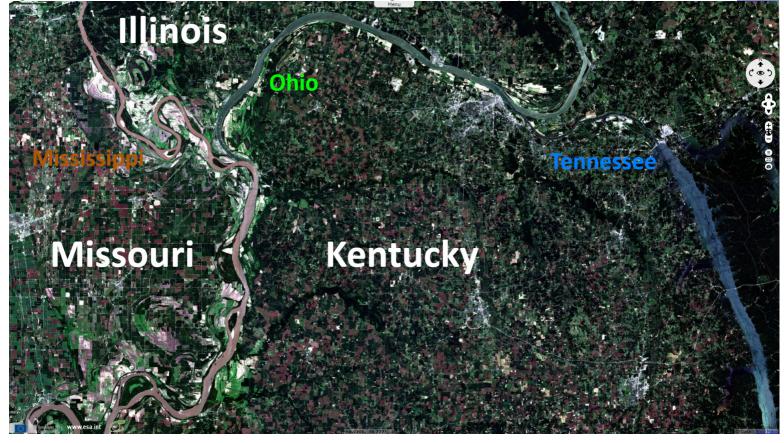


Fig. 2 - S2 (17.12.2018) - The Mississippi-Ohio confluence separates Illinois at north from Missouri at west and Kentucky at east.

2D view

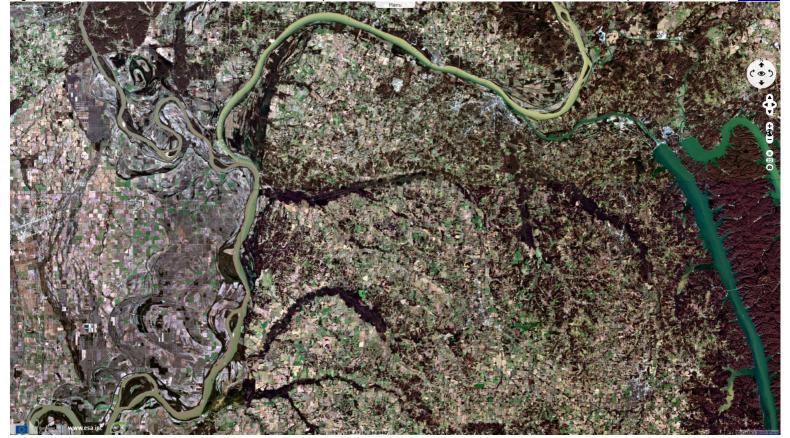


Fig. 3 - S2 (17.03.2019) - Absolute records were breaken during 2019 flooding that lasted for months, colouring the rivers with sediments. <u>2D view</u>



Fig. 4 - S2 (21.04.2019) - The Ohio River is the largest tributary by volume of the Mississippi River, being in fact larger than the Mississippi. 2D view



Fig. 5 - S2 (26.04.2019) - At the confluence, the Ohio long-term mean discharge is 7960 m3/s, as against 5897 m3/s for the Mississippi. 2D view



The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union. Contains modified Copernicus Sentinel data 2021, processed by VisioTerra.

More on European Commission space:		y	You Tube				
More on ESA:	₿	7	You Tube	<u>S-1 website</u>	<u>S-2 website</u>	<u>S-3 website</u>	
More on Copernicus program:	₿	7	You Tube	<u>Scihub portal</u>	<u>Cophub portal</u>	<u>Inthub portal</u>	<u>Colhub portal</u>
More on VisioTerra:	₿	7	You Tube	Sentinel Vision Portal	Envisat+ERS portal	<u>Swarm+GOCE portal</u>	<u>CryoSat portal</u>
			Fun	Funded by the EU and ESA		SED-948-SentinelVision	