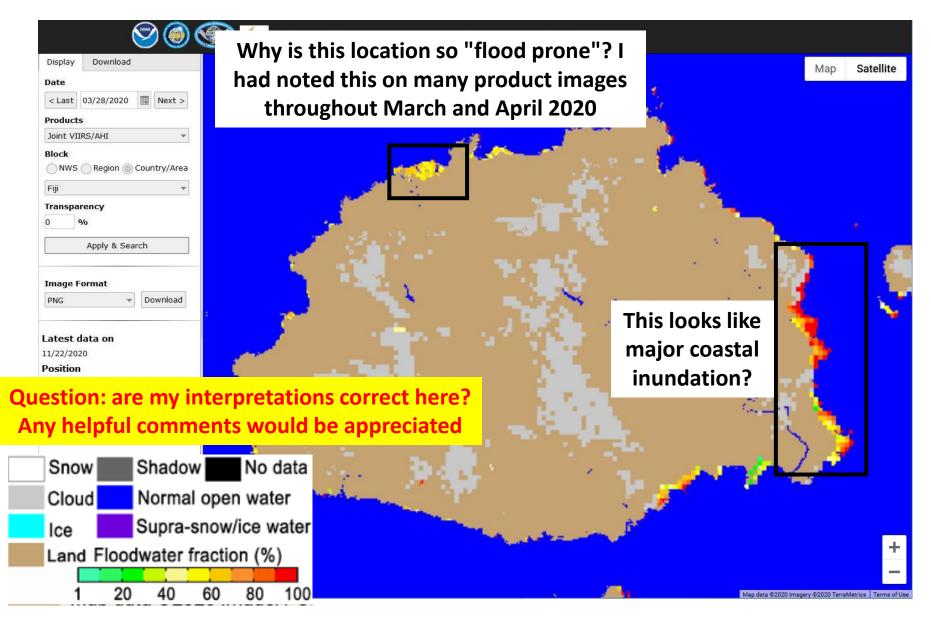
Fiji flooding, 28th March, joint VIIRS/AHI data

Image extracted from the archive at https://jpssflood.gmu.edu/

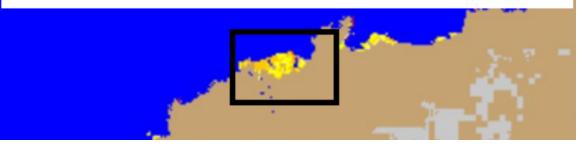


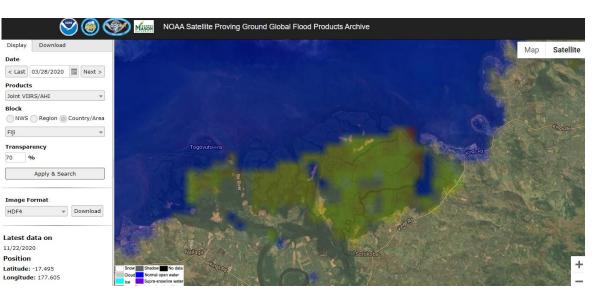
Fiji flooding, 28th March joint VIIRS/AHI data William Straka response

william.straka@ssec.wisc.edu

The transparency tool I mentioned is handy in identifying what is going on. This option is also available on the archive site, though you have to hit "apply and search" each time you change the transparency. By setting it to 70% transparency, you can seen that the area in the Ba region is indeed the marshland

Why is this location so "flood prone"? I had noted this on many product images throughout March and April 2020



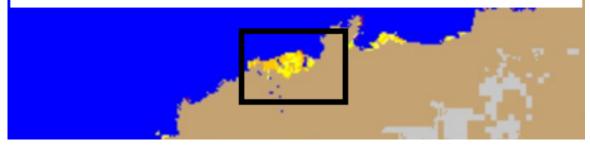


images courtesy



Fiji flooding, 28th March joint VIIRS/AHI data William Straka response

Why is this location so "flood prone"? I had noted this on many product images throughout March and April 2020



In the case of the Ba River valley, that is a very agricultural region, specifically for sugar cane farming.

In addition, the coastal region is a marshland



Fiji flooding, 28th March joint VIIRS/AHI data William Straka response

Display

Products Joint VIIRS/AHI

Transparency 70

Image Format

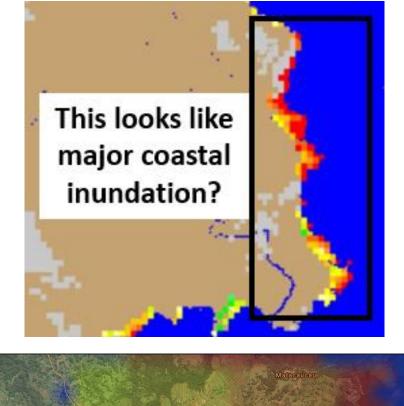
Latest data on 11/22/2020 Position

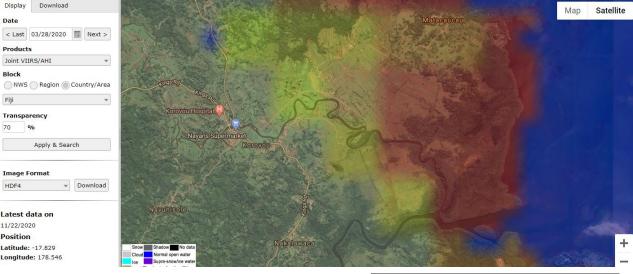
Latitude: -17.829

HDF4

Date

The transparency tool I mentioned is handy in identifying what is going on. This option is also available on the archive site, though you have to hit "apply and search" each time you change transparency. By setting it to 70% transparency, you can seen that the area on the eastern side of Fiji is marshland and tidal regions

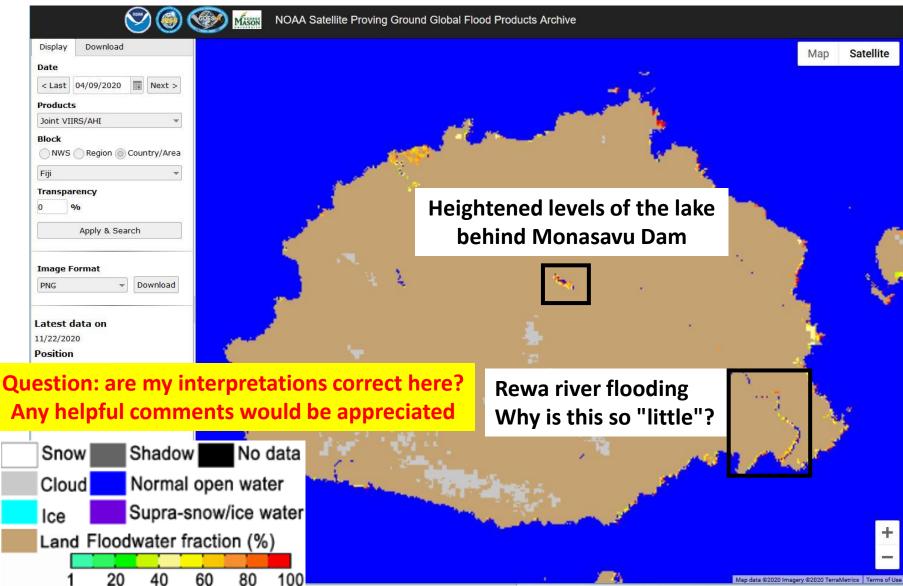




images courtesy



Fiji flooding, 9th April, joint VIIRS/AHI data Image extracted from the archive at https://jpssflood.gmu.edu/

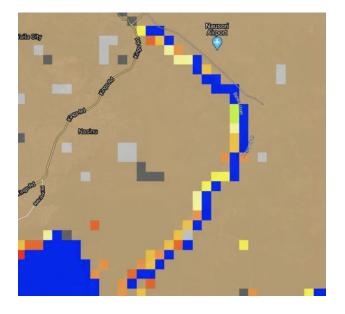


Fiji flooding, 9th April joint VIIRS/AHI data William Straka response



Cyclone Harold was in early April. On 9 April there was minor flooding along the Rewa River

Information from the ground, as passed along from the United Nations confirmed this minor flooding that was occurring. In addition per the UN utilizing very high resolution imagery, they further confirmed only minor flooding on the southern parts of the island and very limited. This further confirmed the flooding seen by VIIRS





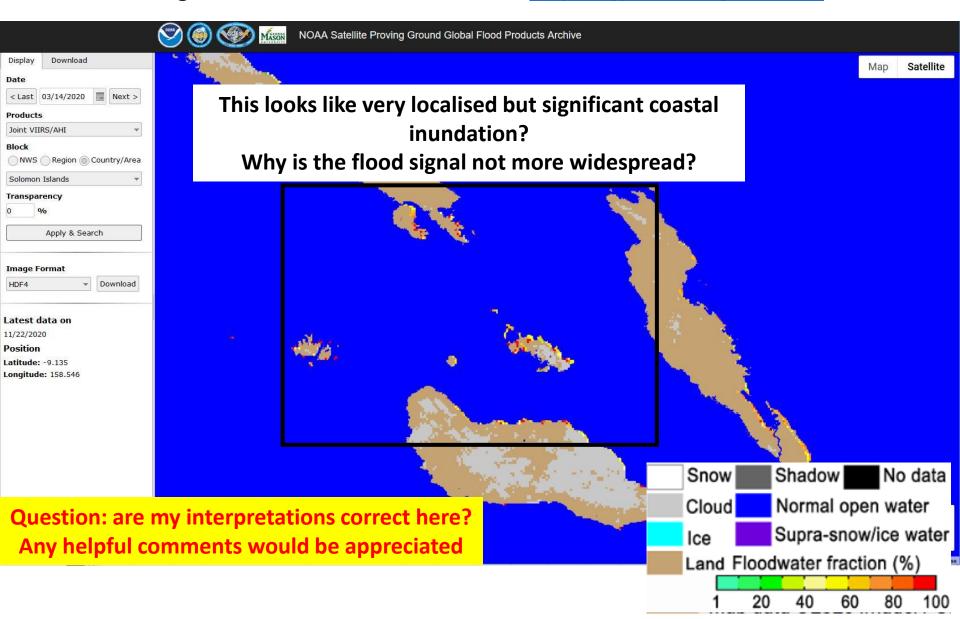
Central Solomon Islands flooding, 15th March, joint VIIRS/AHI data

Image extracted from the archive at https://jpssflood.gmu.edu/

¢	Contraction of the second second Global Flood Products Archive	
Display Download		Map Satellite
Date < Last 03/15/2020 Next > Products Joint VIIRS/AHI Block NWS Region © Country/Area	This looks like very localised but significant coastal inundation? Why is the flood signal not more widespread?	
Solomon Islands Transparency % Apply & Search Image Format		
HDF4 Download Latest data on 11/22/2020 Position Latitude: -8.520 Longitude: 156.179		
	Snow Si	hadow 🗾 No data
	omments would be appreciated	ormal open water upra-snow/ice water
	Land Floodw	ater fraction (%)
	1 20	40 60 80 100

Solomon Islands flooding, 14th March, joint VIIRS/AHI data

Image extracted from the archive at https://jpssflood.gmu.edu/



Solomon Islands flooding, 14th March joint VIIRS/AHI data William Straka response

In the case of the 14 Mar. Solomon islands case. there is a good possibility there is actual flooding going on. However, the area was AHI only, as VIIRS cloudy for both was overpasses. As such, you are limited in this case to the AHI footprint. Same with the 15th in the central islands.

This looks like very localised but significant coastal inundation? Why is the flood signal not more widespread?

