Reveal previously hidden classifications to get more out of visualizations in Worldview

Worldview is now providing users with the ability to toggle on/off classifications that were previously hidden to the user as transparent pixel values.

In the example below, the Sea Ice Extent layer previously showed only the sea ice values (Figure 1), but the colormap included other potentially interesting and useful classifications, such as Cloud, Land, Missing Data, etc. Users can now toggle on/off these other classifications (Figure 2) to show relevant information like the location of clouds that may obscure sea ice. Now users have more contextual information to assess these visualizations.

Below is a list of the layers that now show previously hidden pixel classifications.

Figure 1: Sea Ice classification layer from the MODIS instrument aboard the Terra satellite. Sea ice is shown in dark pink, overlaid on a corrected reflectance image from the same satellite and sensor.

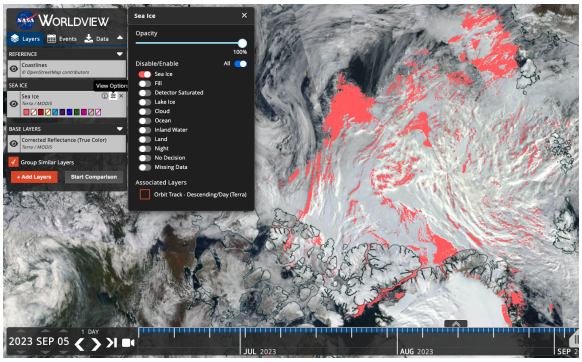
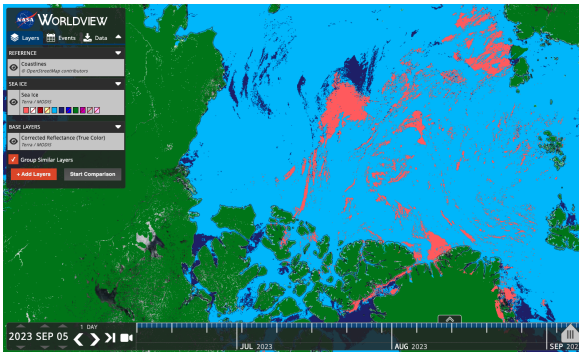


Figure 2. Sea Ice classification layer from the MODIS instrument aboard the Terra satellite. Sea ice is shown in dark pink, cloud in light blue, ocean in dark blue, and land in green. With these other classifications displayed, we now have a better idea of what areas that may have had sea ice were actually obscured by cloud, and the areas that are land masses.



Layers that now show previously hidden pixel classifications

Satellite/Sensor	Layer Name and link to Worldview	Layer ID
Terra/MODIS	Cloud Phase Infrared (Day)	MODIS_Terra_Cloud_Phase_Infrared_Day
Terra/MODIS	Cloud Phase Infrared (Night)	MODIS_Terra_Cloud_Phase_Infrared_Night
Aqua/MODIS	Cloud Phase Infrared (Day)	MODIS_Aqua_Cloud_Phase_Infrared_Day
Aqua/MODIS	Cloud Phase Infrared (Night)	MODIS_Aqua_Cloud_Phase_Infrared_Night
Terra/MODIS	Cloud Phase Optical Properties	MODIS_Terra_Cloud_Phase_Optical_Properties
Aqua/MODIS	Cloud Phase Optical Properties	MODIS_Aqua_Cloud_Phase_Optical_Properties
Terra/MODIS	Cloud Multi Layer Flag	MODIS_Terra_Cloud_Multi_Layer_Flag
Aqua/MODIS	Cloud Multi Layer Flag	MODIS_Aqua_Cloud_Multi_Layer_Flag
Terra/MODIS	Areas of No Data (mask)	MODIS_Terra_Data_No_Data
Aqua/MODIS	Areas of No Data (mask)	MODIS_Aqua_Data_No_Data
Terra and Aqua/MODIS	Flood (2-Day Window)	MODIS_Combined_Flood_2-Day

Terra and Aqua/MODIS	Flood (3-Day Window)	MODIS_Combined_Flood_3-Day
Terra/MODIS	Sea Ice	MODIS_Terra_Sea_Ice
Aqua/MODIS	Sea Ice	MODIS_Aqua_Sea_Ice
Terra/MODIS	Sea Ice Extent (L3, Daily)	MODIS_Terra_L3_Sea_Ice_Daily
Aqua/MODIS	Sea Ice Extent (L3, Daily)	MODIS_Aqua_L3_Sea_Ice_Daily
Terra/MODIS	Land/Water Mask (L3, Annual)	MODIS_Terra_L3_Land_Water_Mask
DSWx-HLS	OPERA Dynamic Surface Water Extent Provisional	OPERA_Dynamic_Surface_Water_Extent
SMAP/Radiometer	Freeze/Thaw 9 km (L3, Passive, Day)	SMAP_L3_Passive_Enhanced_Day_Freeze_Thaw
SMAP/Radiometer	Freeze/Thaw 9 km (L3, Passive, Night)	SMAP_L3_Passive_Enhanced_Night_Freeze_Thaw
SMAP/Radiometer	Freeze/Thaw 36 km (L3, Passive, Day)	SMAP_L3_Passive_Day_Freeze_Thaw
SMAP/Radiometer	Freeze/Thaw 36 km (L3, Passive, Night)	SMAP_L3_Passive_Night_Freeze_Thaw
Aqua/AMSR-E	Freeze/Thaw (Daily Landscape)	MEaSUREs_Daily_Landscape_Freeze_Thaw_AMSRE
DMSP/SSMI	Freeze/Thaw (Daily Landscape)	MEaSUREs_Daily_Landscape_Freeze_Thaw_SSMI