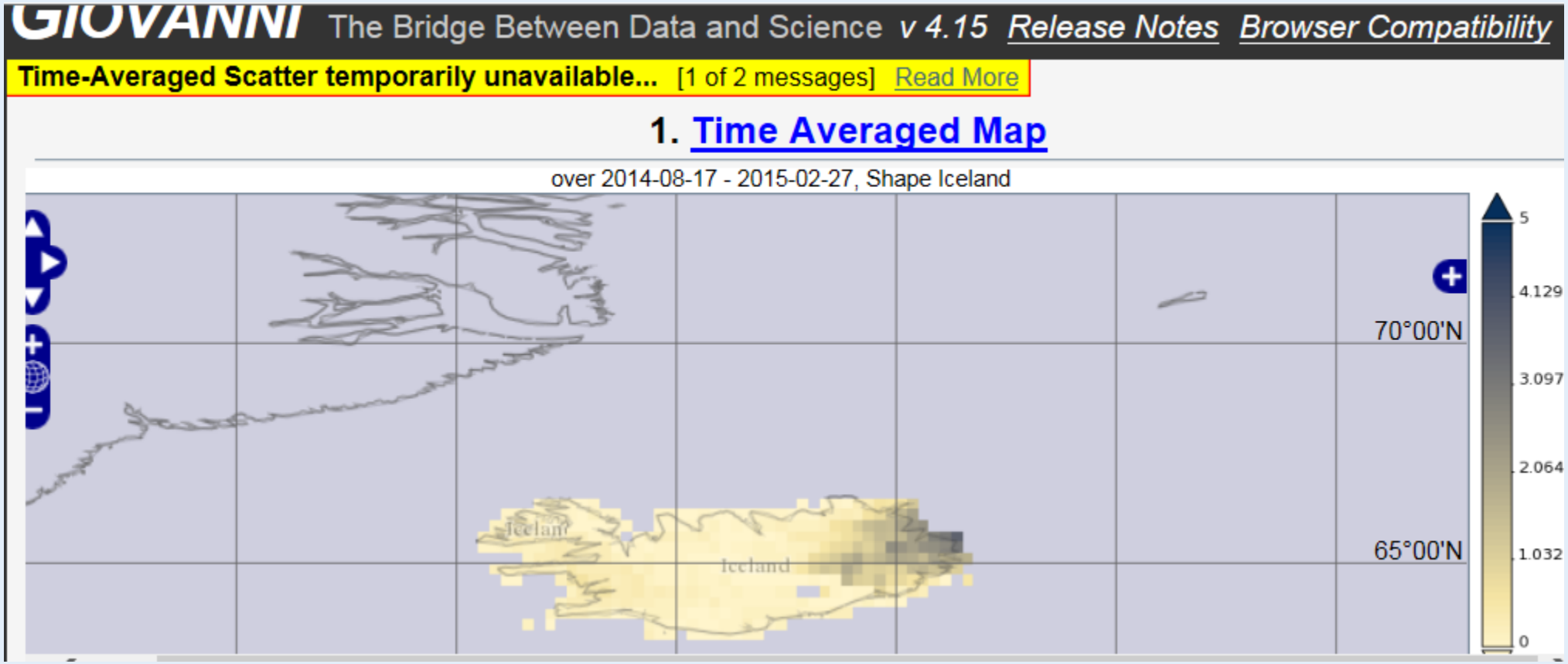
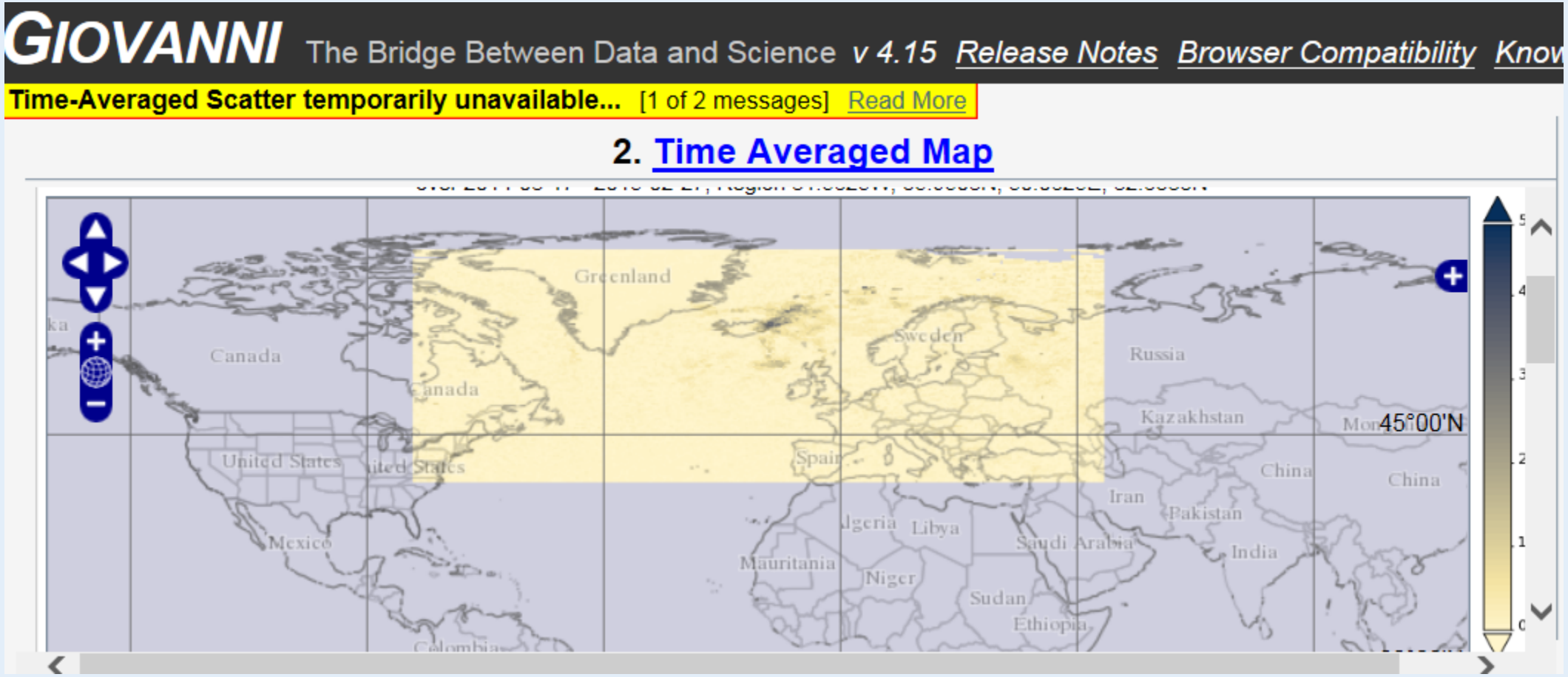
Analyzing Icelandic Volcano

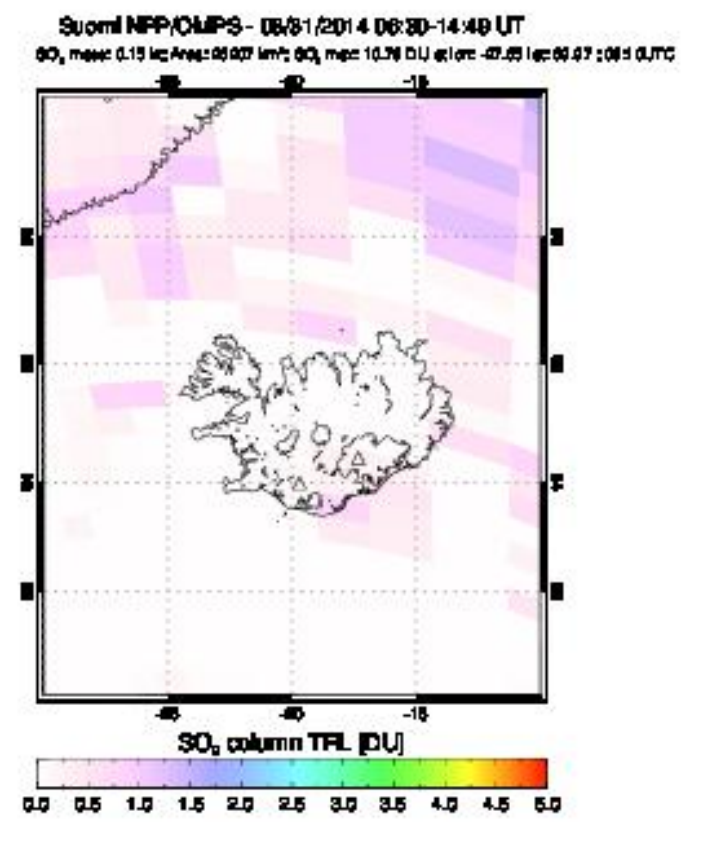
From Giovanni, using OMI Column SO2



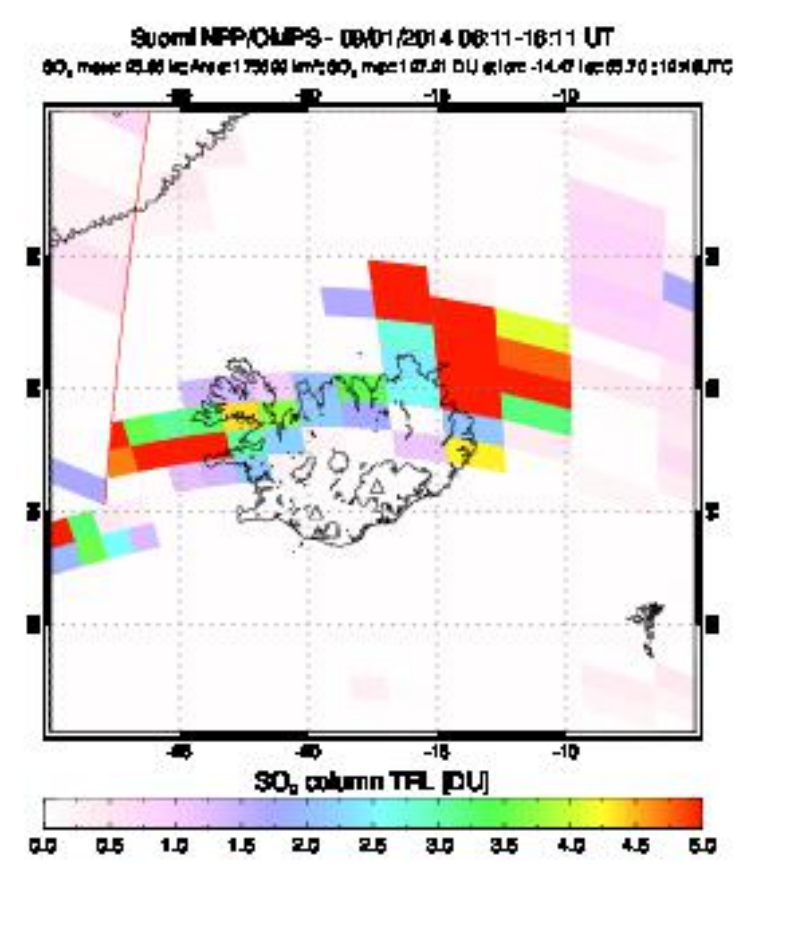
Time Averaged Over Large Area



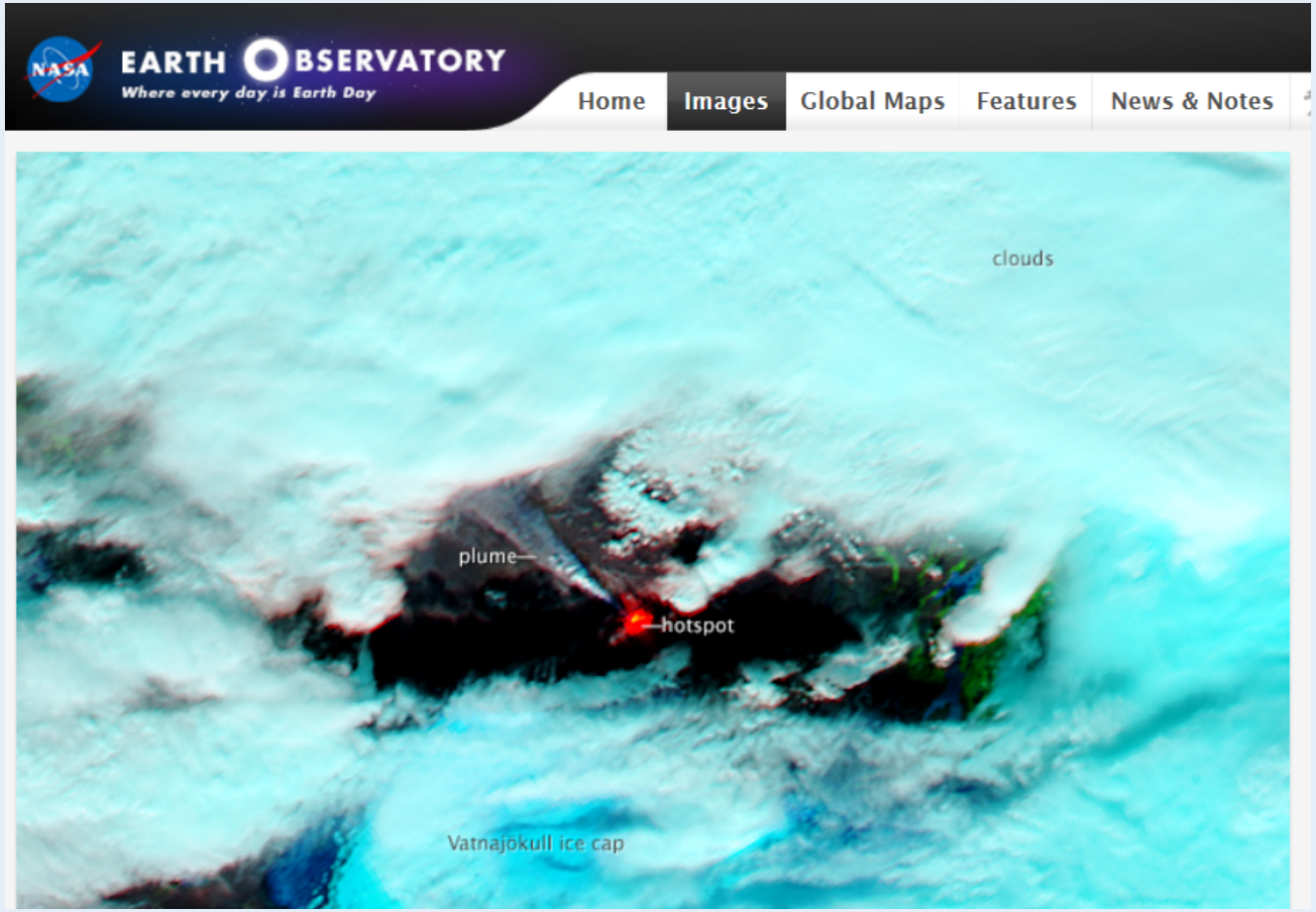
From Hazard Mapping System, Aug. 31, 2014



From Hazard Mapping System, Sept. 1, 2014

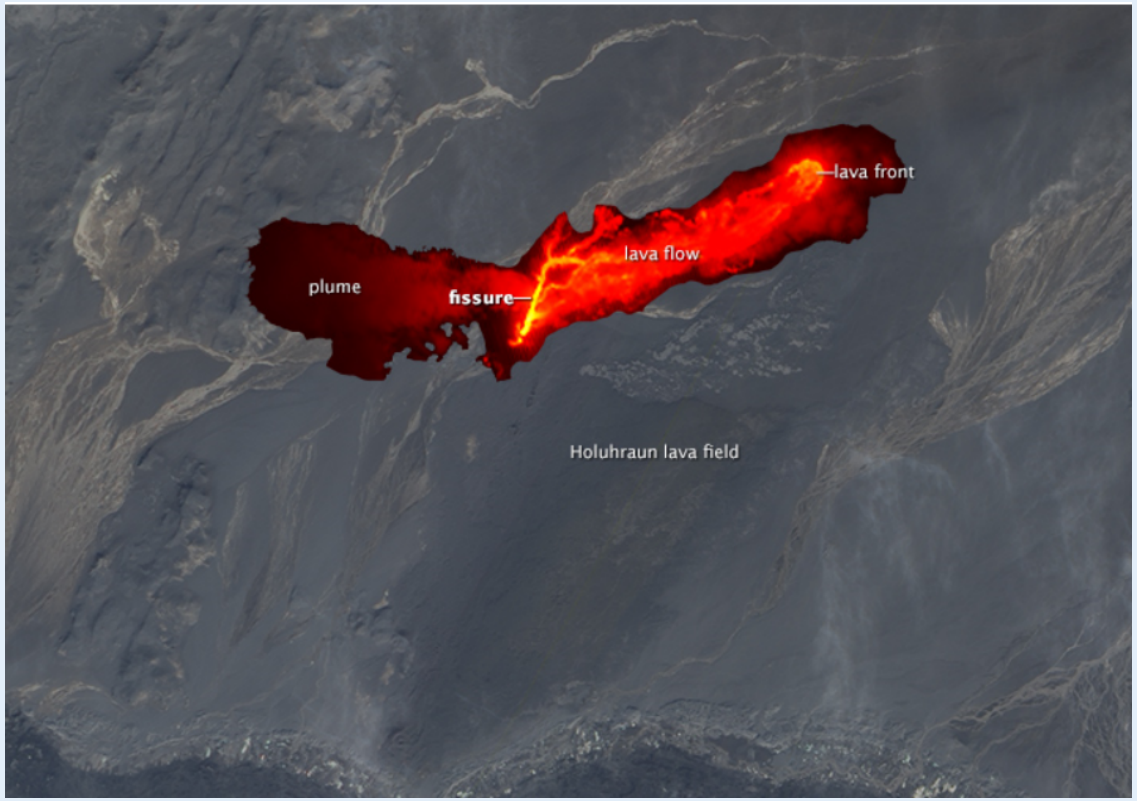


August 31, 2014 Earth Observatory

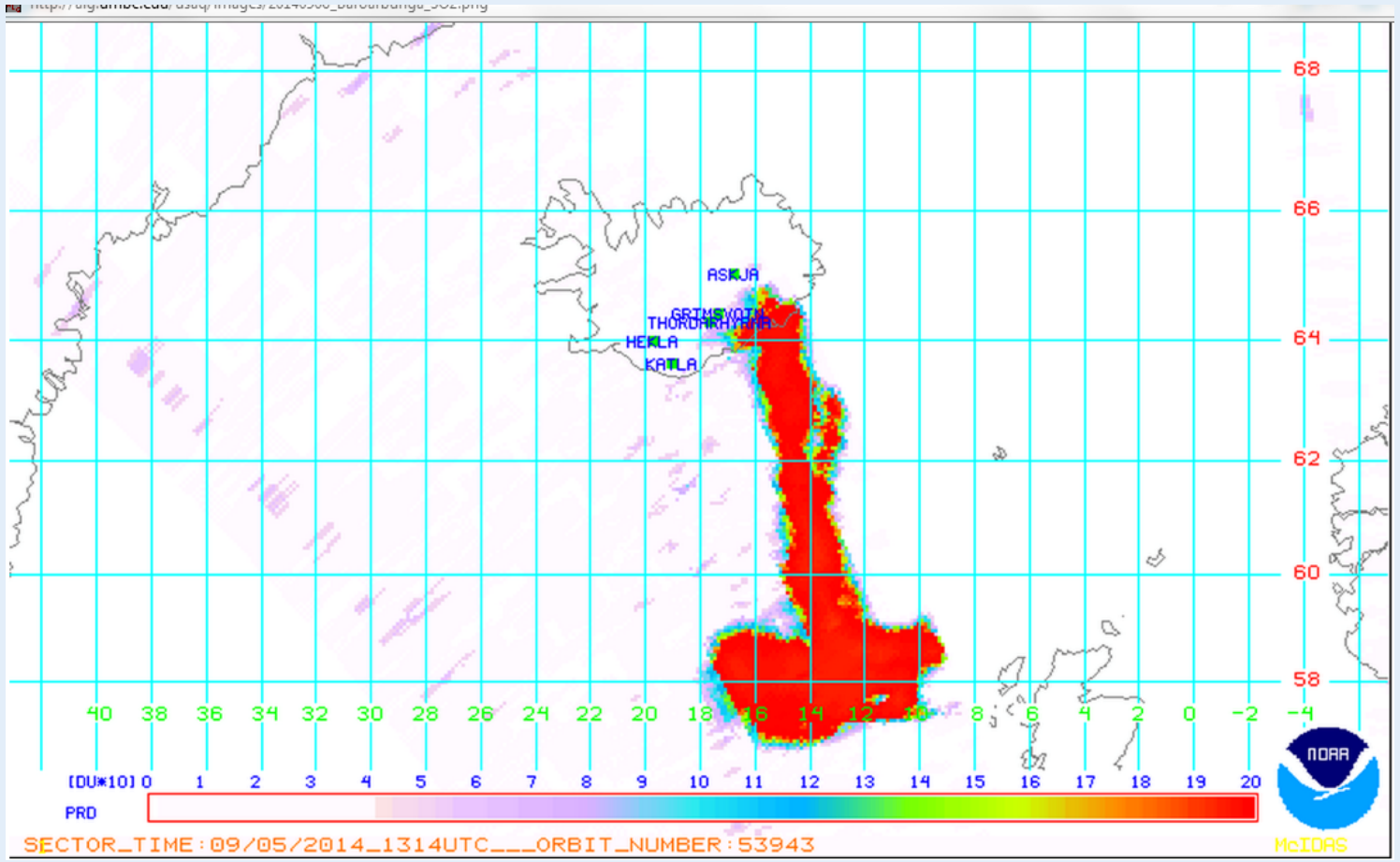


Composite of a natural-color observation from August 27 overlaid with an infrared (IR) night view from September 1

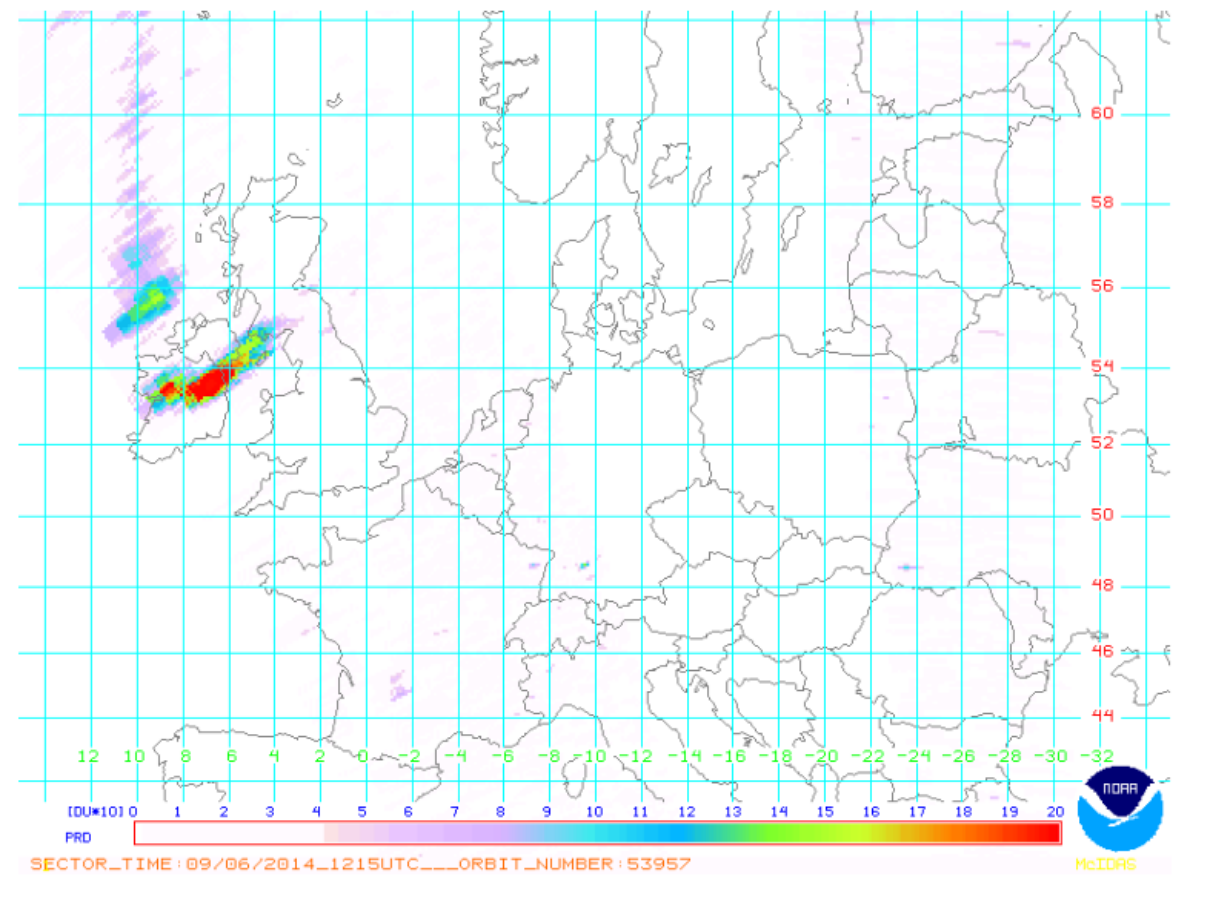
- The night view combines shortwave IR, near IR, and red wavelengths (bands 9-7-5) to tease out the hottest areas within the vent and lava field. The image shows at least a 1-kilometer fissure and lava flowing in channels. The front of the flow has been moving mostly to the northeast in recent days. (Download the large images to see the day and night views separately.)



From the Smog Blog, SO2 September 5, 2014

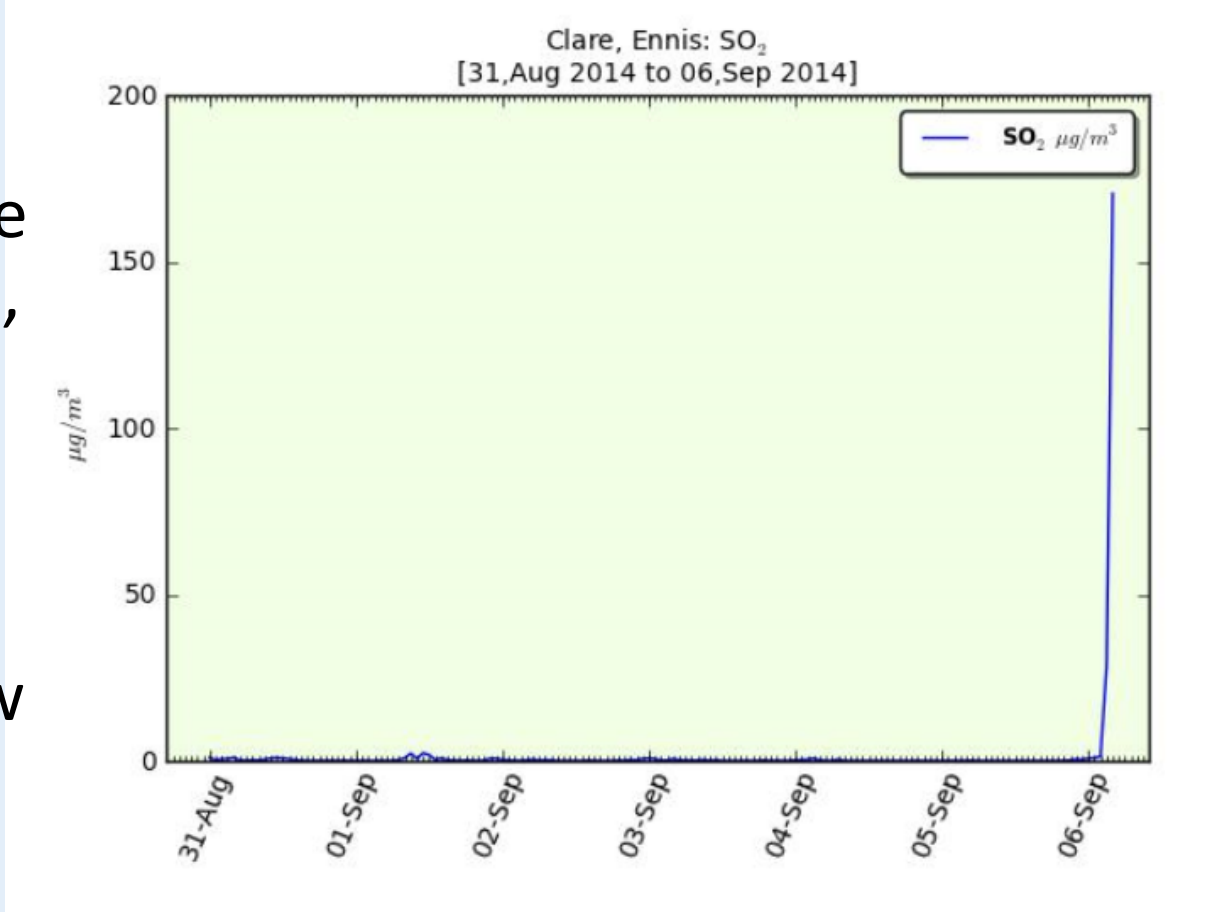


September 6, 2014, Plume Goes for Ireland

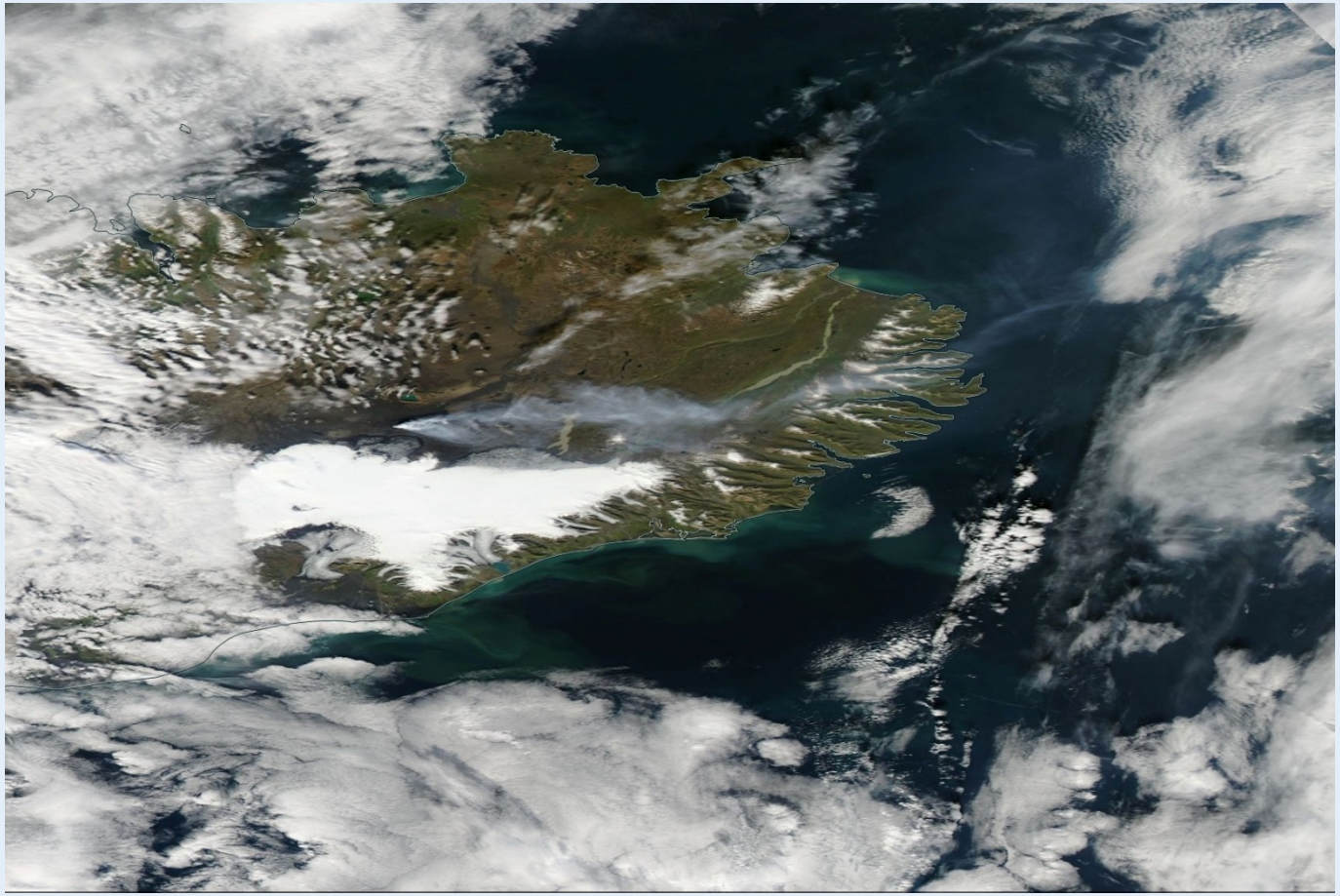


Clare, Ennis:SO2

- Two (Dublin-Rathmines and Dublin-Tallaght) appears to be nearly off the top of the scale, and the other three are now off the top of the scale. I'm going to need to see if I can find the raw data, because otherwise I can't monitor how high this is getting. Clearly they did not anticipate this sort of huge SO2 spike.

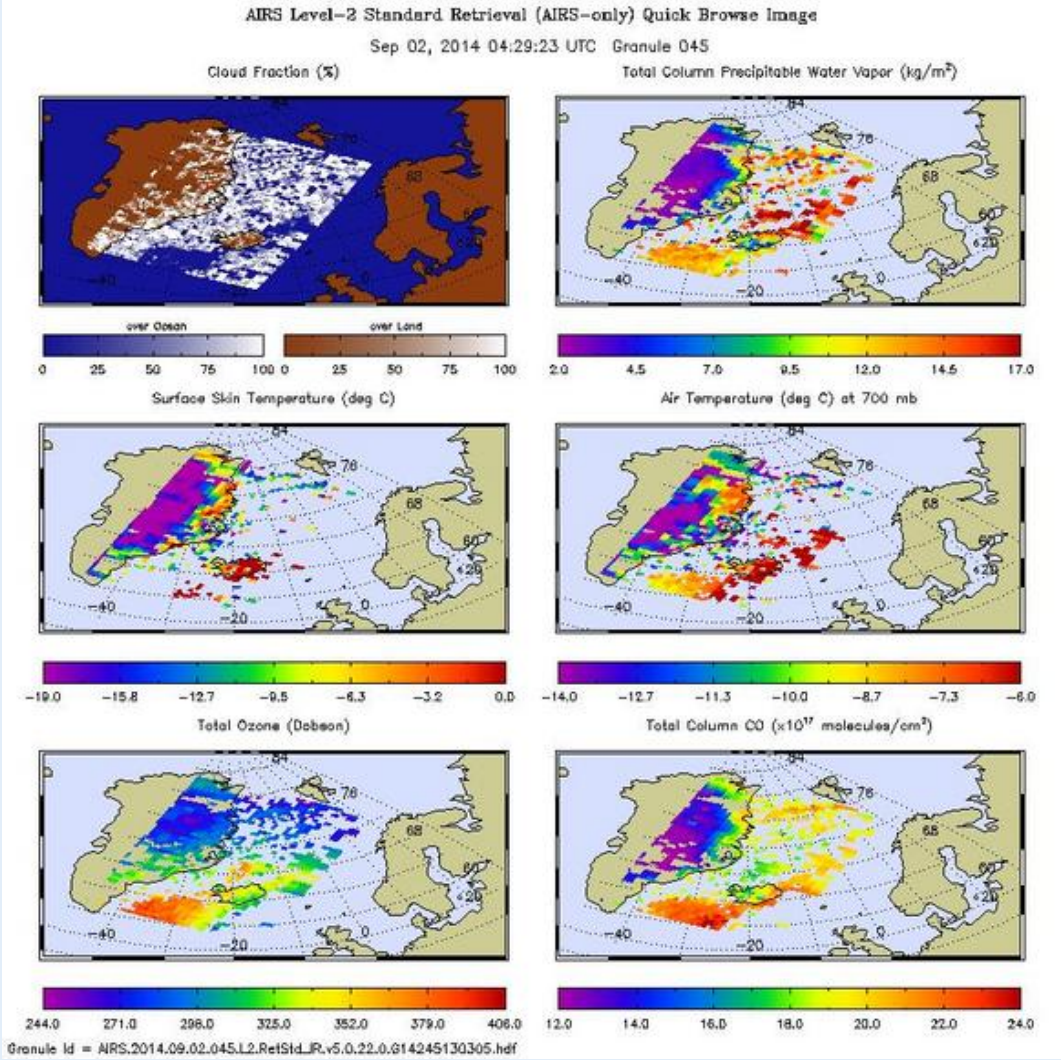


AQUA September 6, 2015

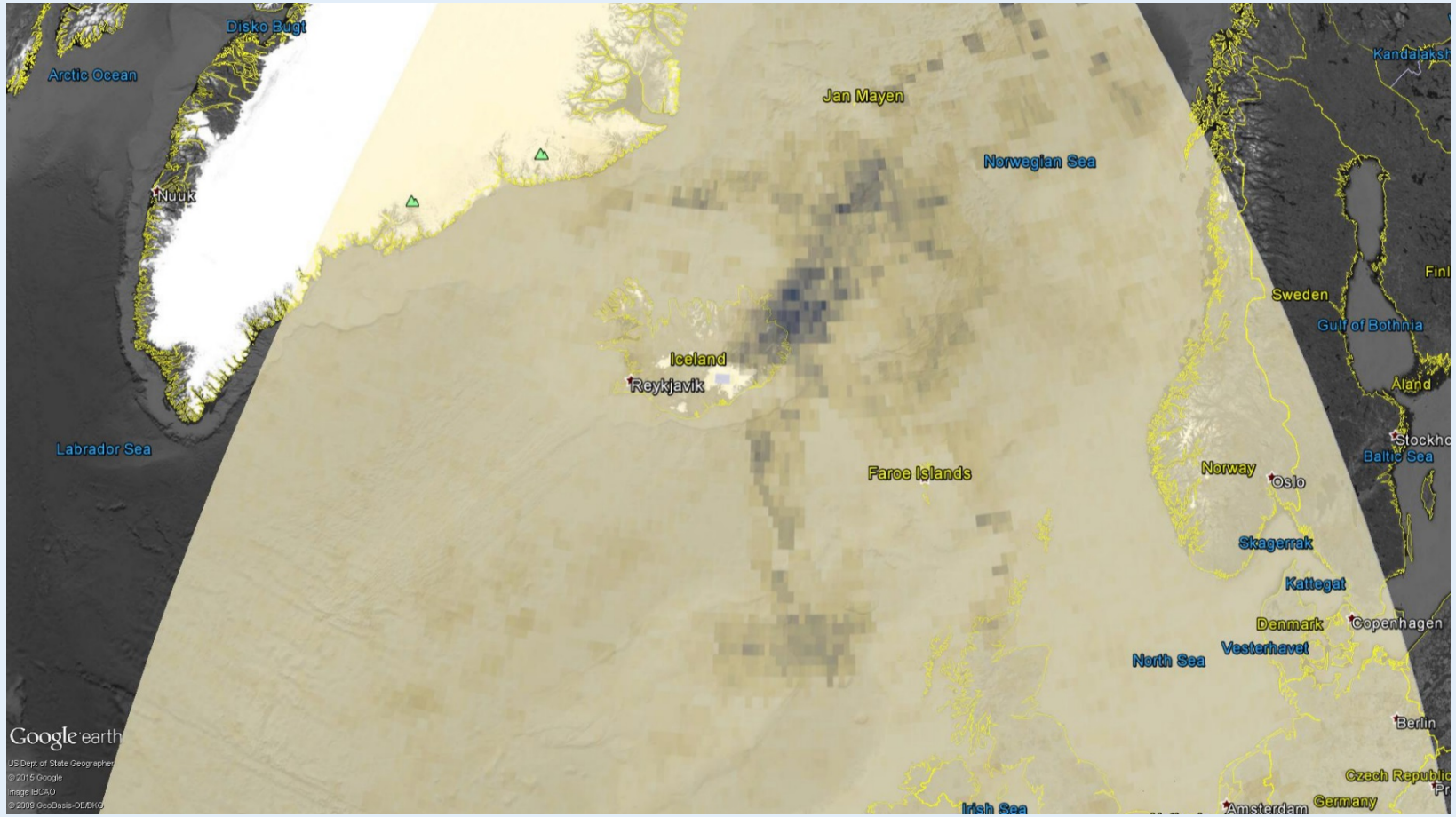


Earth Observing System Data and Information System EOSDIS (9-2-2014)

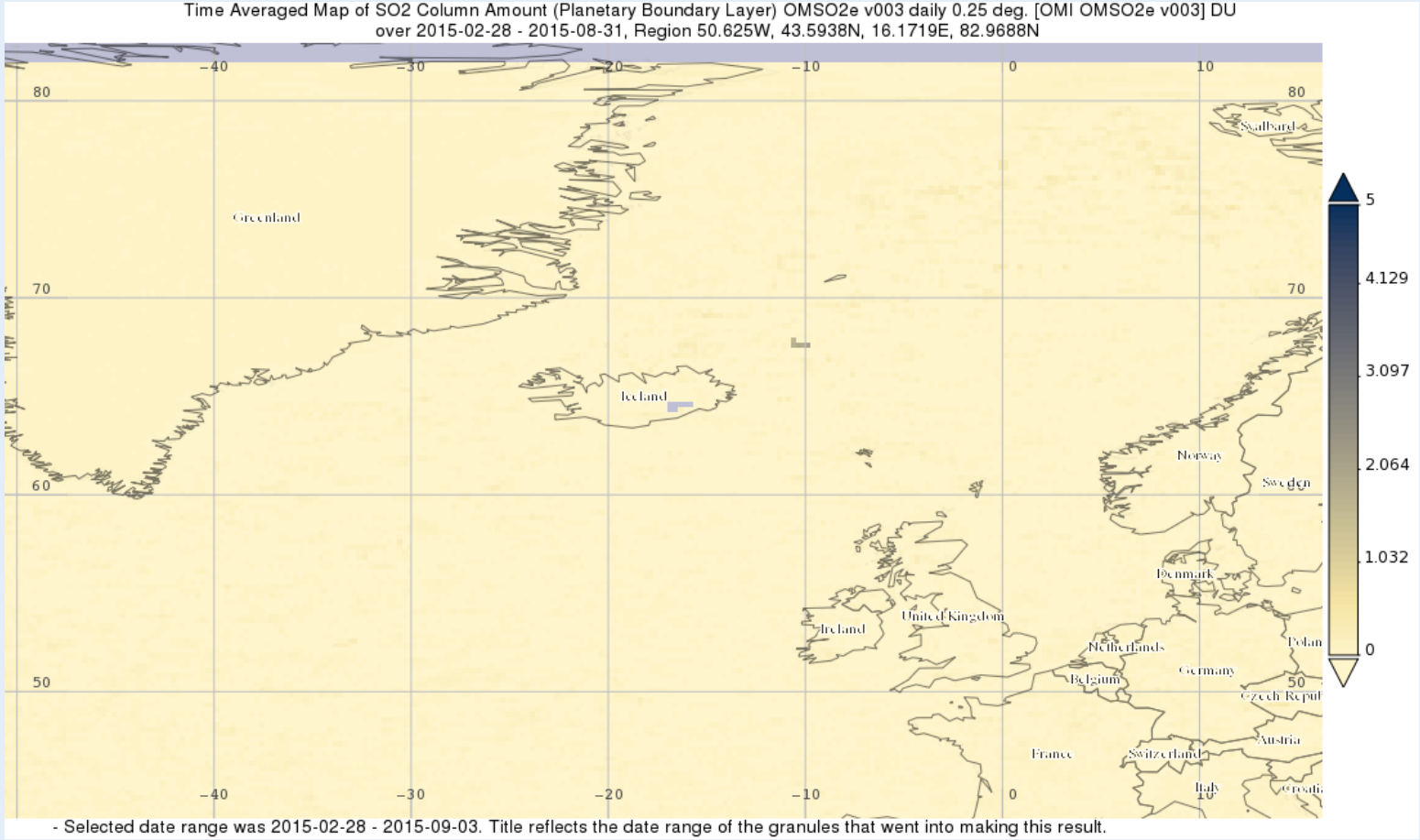
- Cloud Fraction
- Water Vapor
- Surface Temp.
- Air Temperature
- Total Ozone
- CO



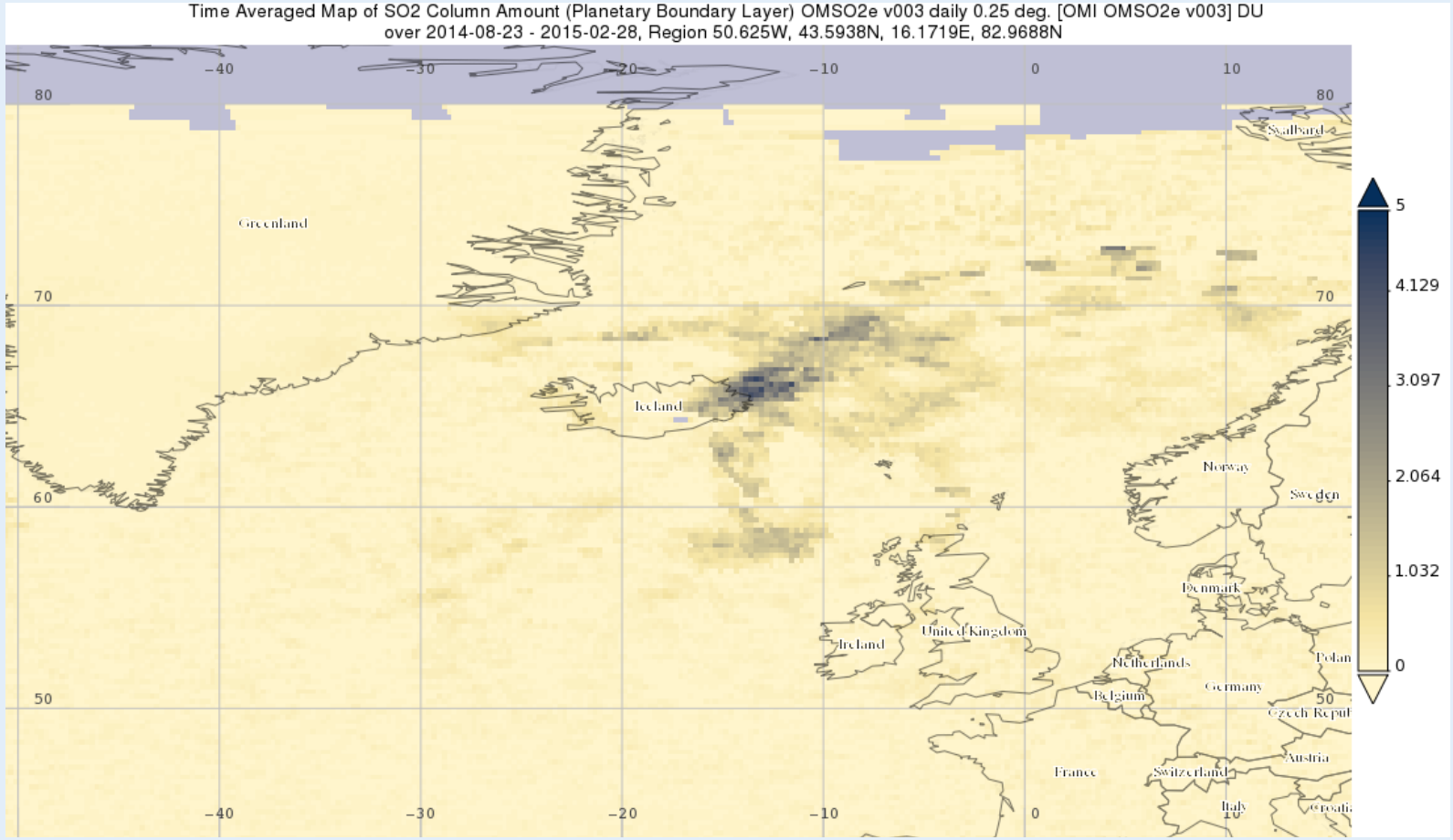
Giovanni GEOTIFF for Google Earth



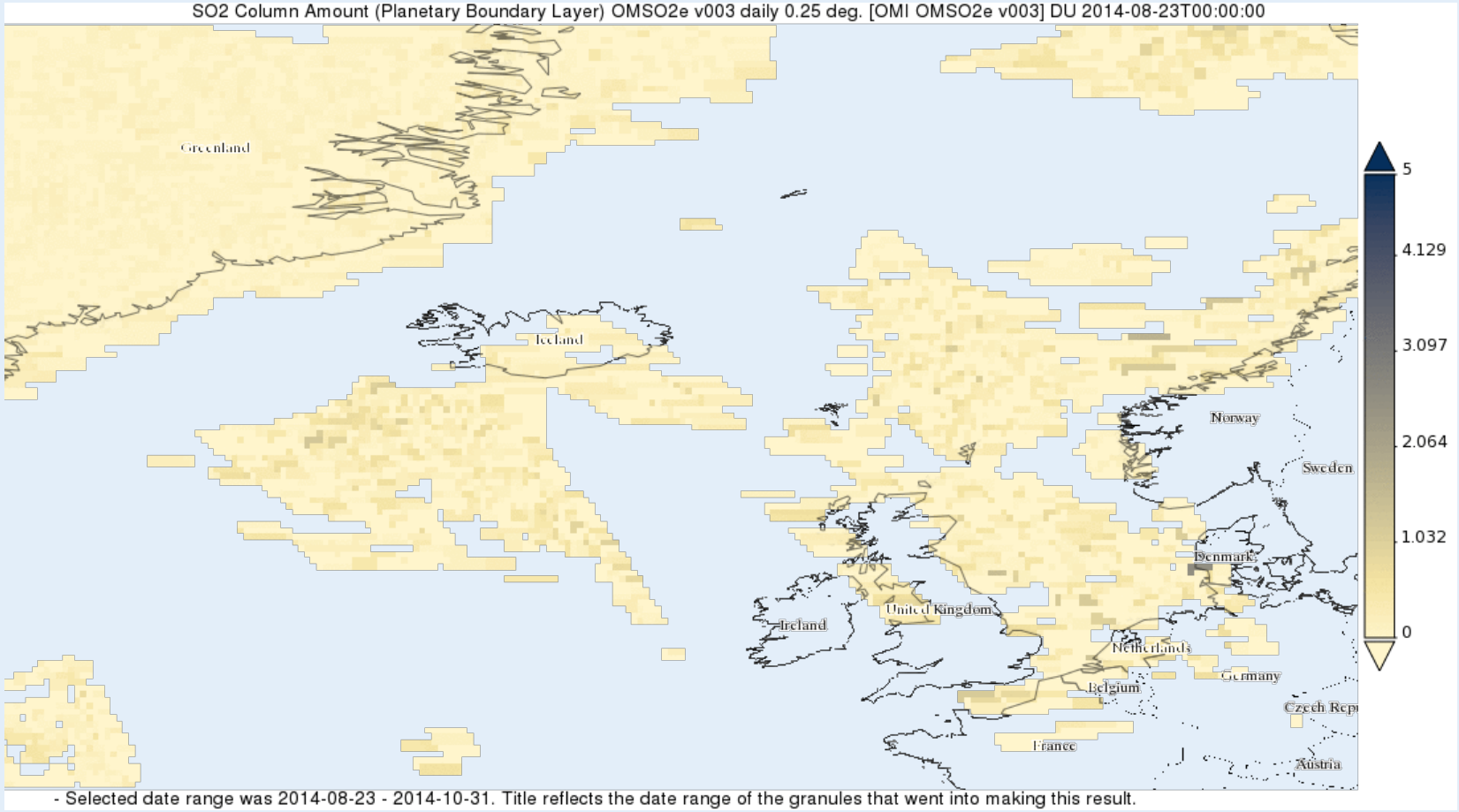
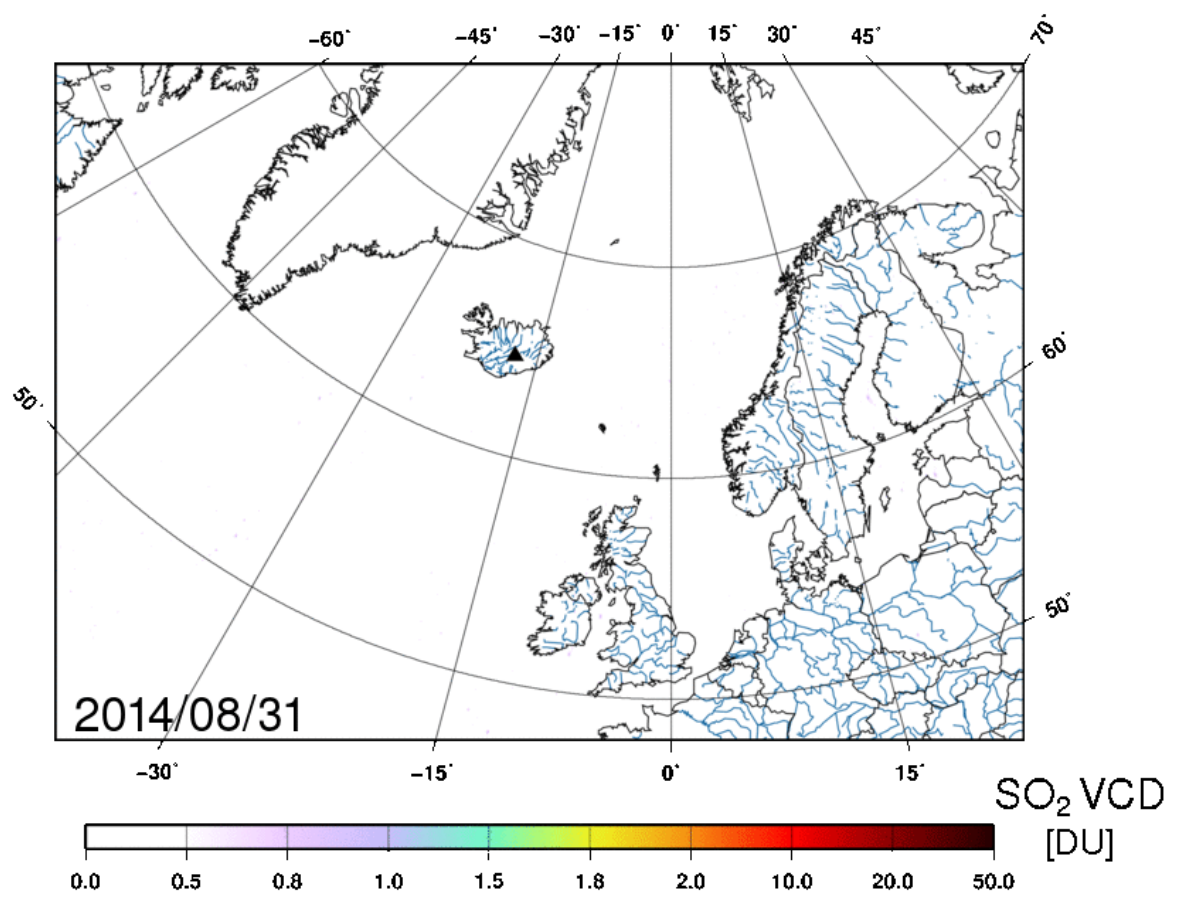
Giovanni Time Averaged SO_2 After Event for Base Case



Giovanni Time Averaged SO_2 During Event



Giovanni Animation SO_2



European Space Agency