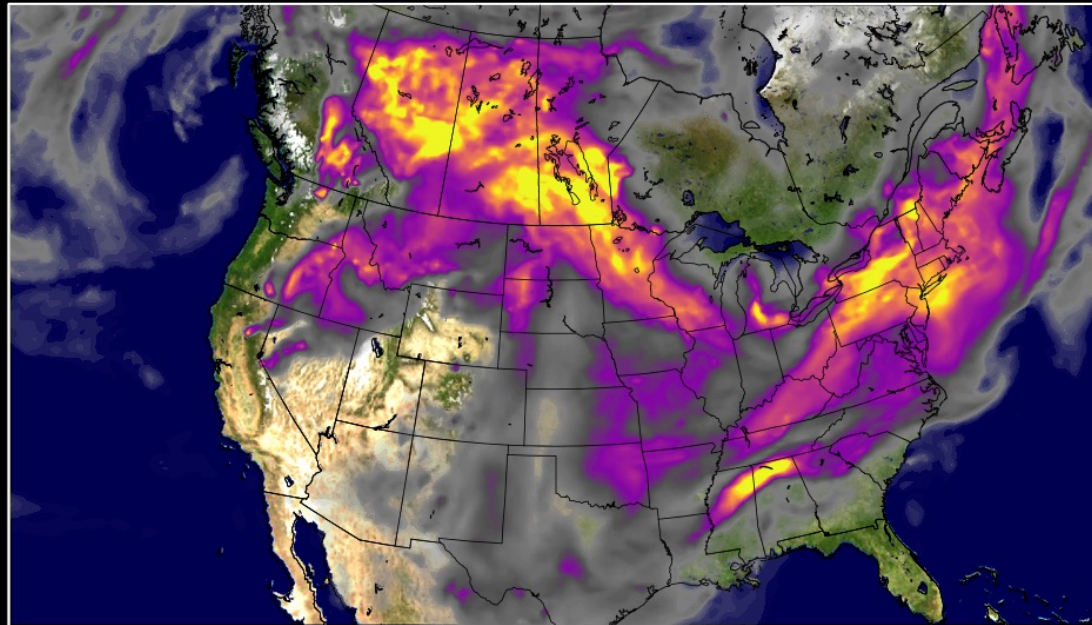


# An Early Start to the North American Biomass Burning Season in 2021

Carbonaceous Aerosol Optical Depth



Wed 21 July 2021 06UTC



The extreme heatwave in northwestern North America in late June 2021, led to numerous early-season wildfires in Canada and the Northwestern portion of the United States in July 2021. Pollutants emitted by these wildfires contain particulate matter, or aerosols, that can be harmful to human health and these emissions have outpaced recent years. Long-distance transport of these pollutants, as computed by the GEOS FP system, has led to poor air quality that extends to the East coast of the U.S. This is illustrated using the aerosol optical depth of carbonaceous aerosols, shown here for 6 UTC on July 21, 2021.

CO Emissions over U.S./Canada from Biomass Burning

