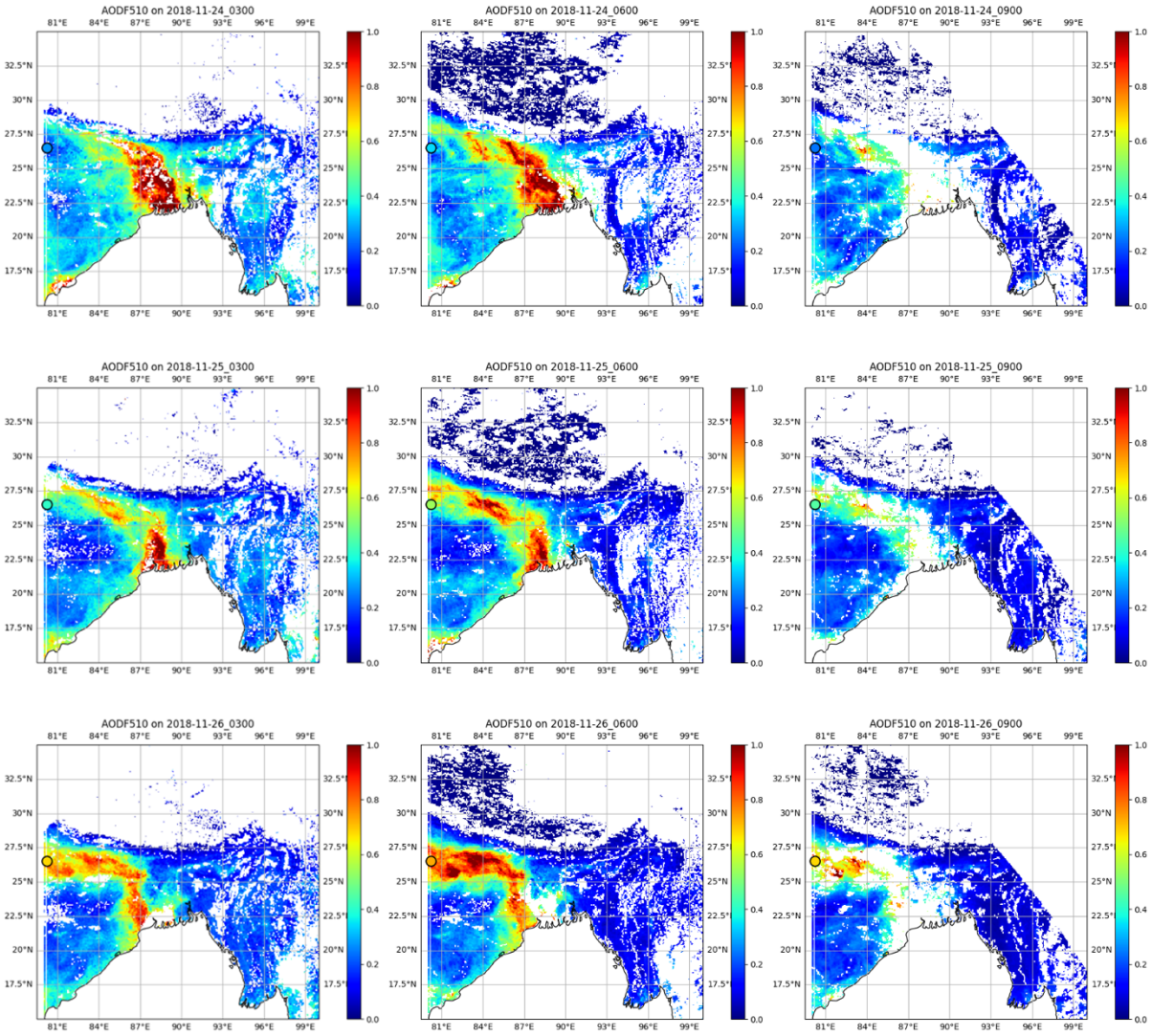

Figure S1: AHI/GRASP AODF510 nm distribution for the pollution event during 24th – 26th November, 2018. The AERONET site Kanpur (India) is marked with a black circle.

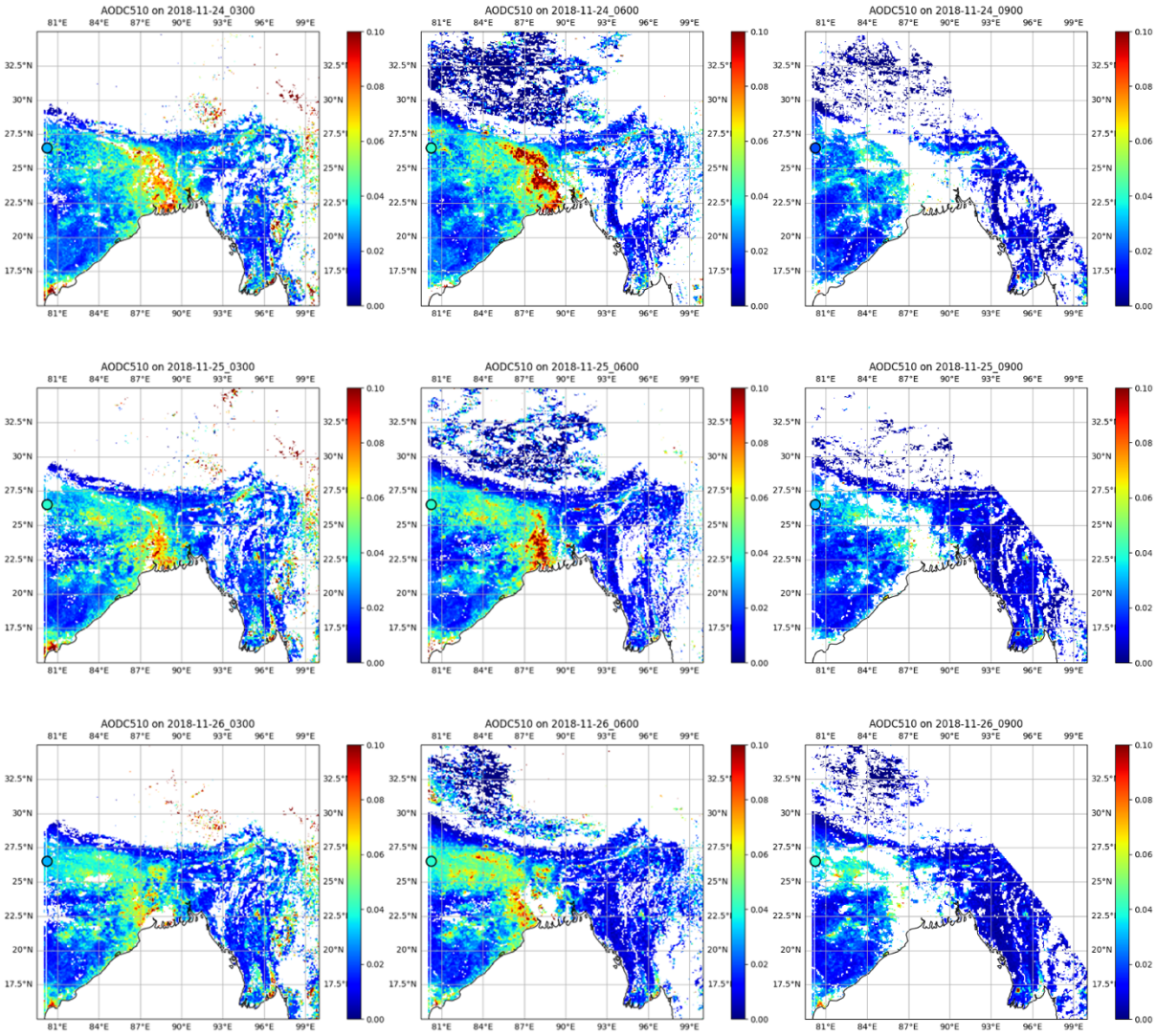

Figure S2: AHI/GRASP AODC510 nm distribution for the pollution event during 24th – 26th November, 2018. The AERONET site Kanpur (India) is marked with a black circle.

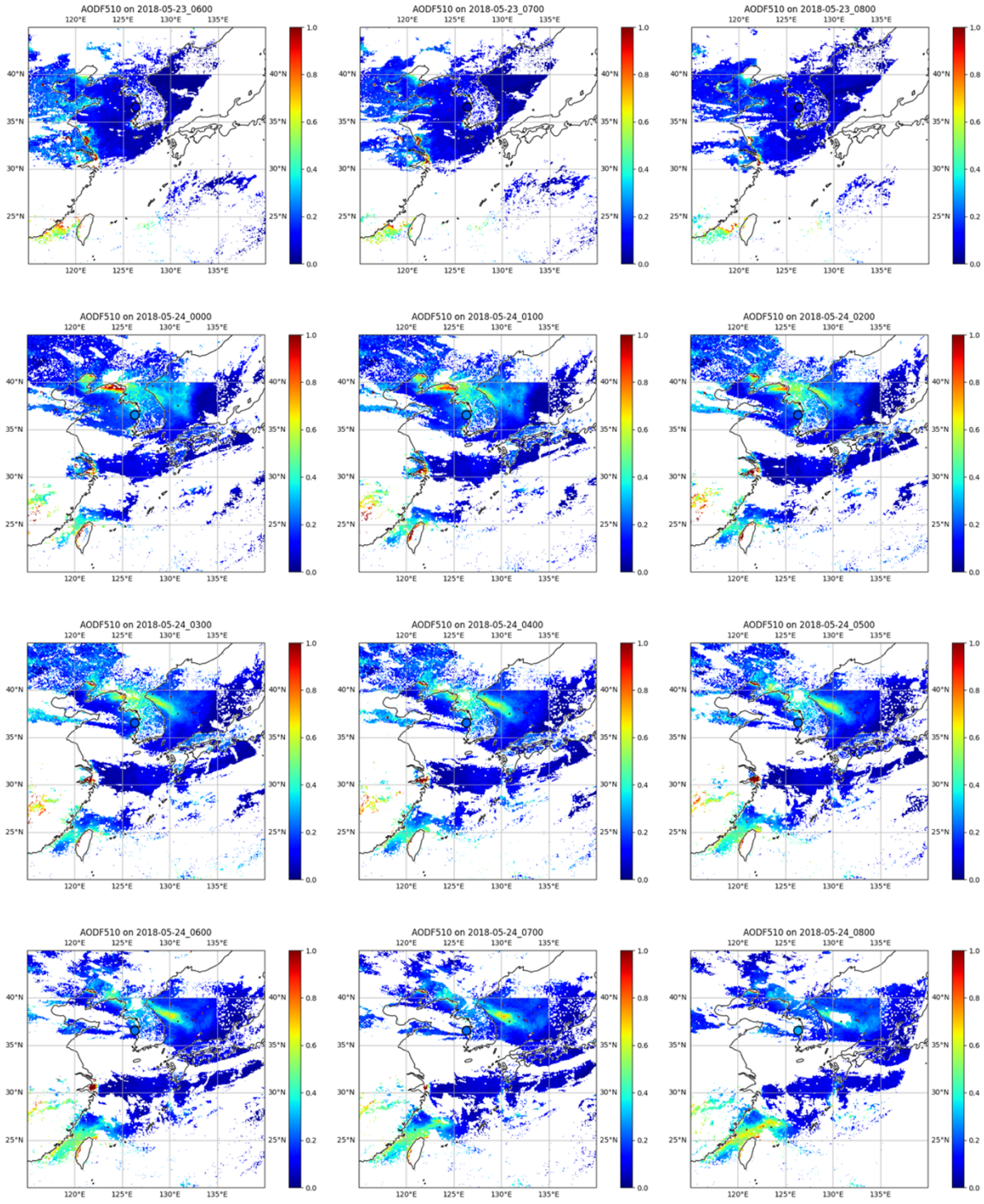

Figure S3: AHI/GRASP AODF510 nm distribution for the pollution event during 23rd-24th May, 2018. The AERONET site Anmyon (South Korea) is marked with a black circle.

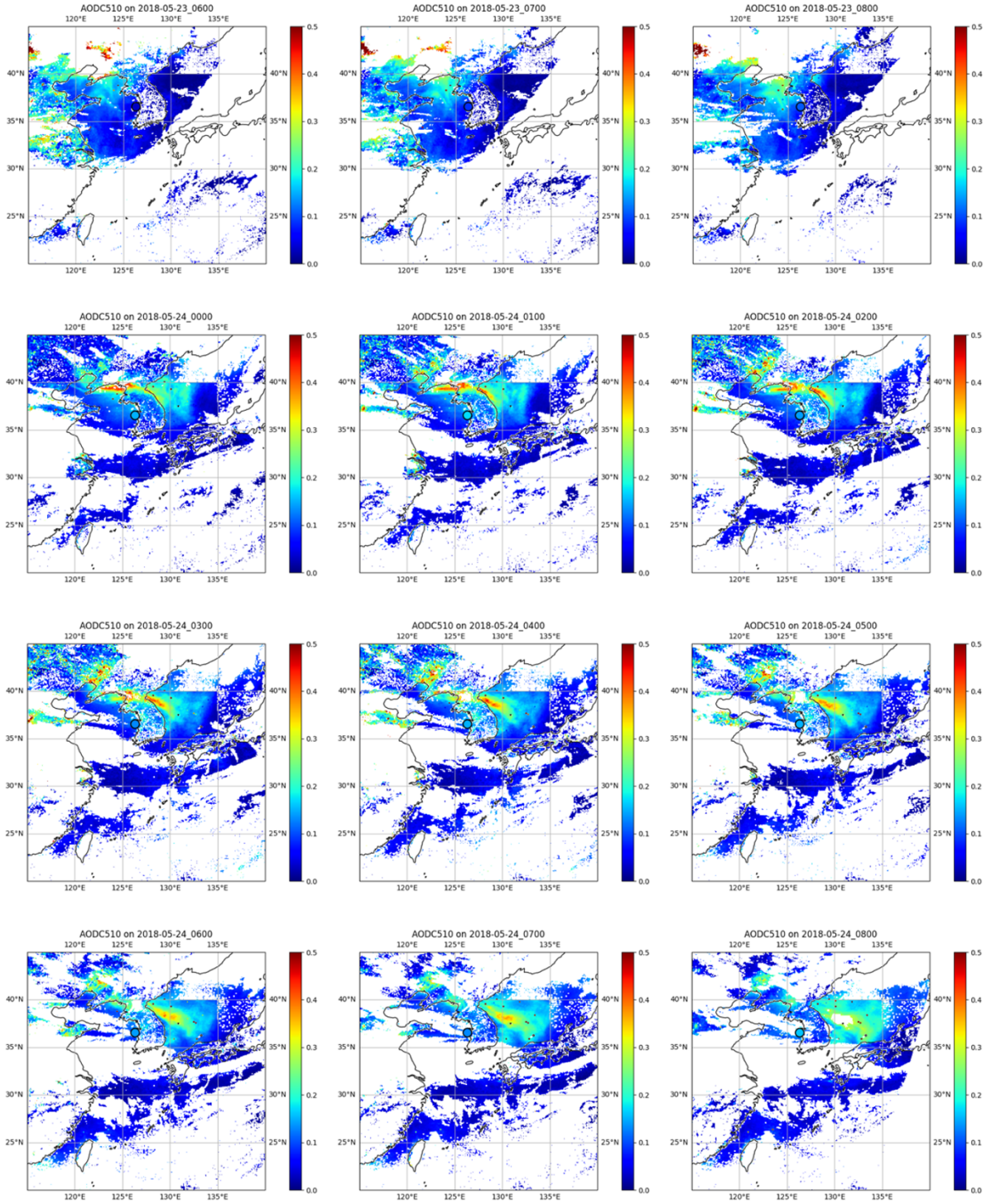

Figure S4: AHI/GRASP AODC510 nm distribution for the pollution event during 23rd-24th May, 2018. The AERONET site Anmyon (South Korea) is marked with a black circle.