



Flagging Particle Number Size Distribution Data Examples

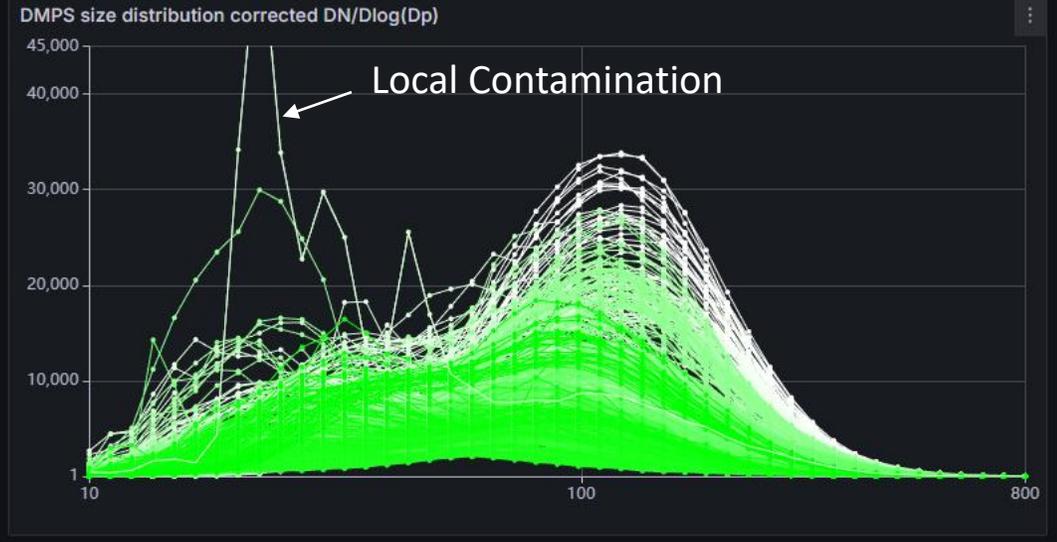
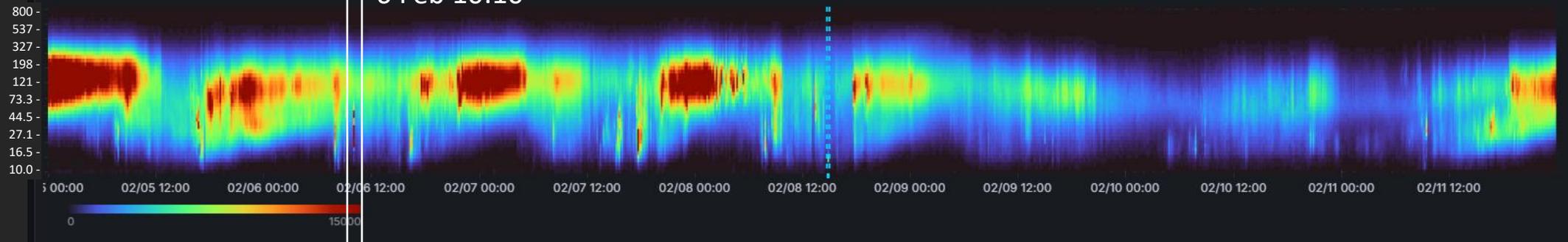
JP Putaud
European Commission – Joint Research Centre

PNSD Data flagging: advice and preamble

1. A flag is a warning message to potential users
2. Log events !
3. Flag Level 0 and 1 data every week (at least)...
4. Don't flag the various variables independently
5. Local contamination = primary emissions => primarily Aitken mode and... Nitrogen Oxide (NO)
6. Local contamination in PNSD best seen on contour plots (if color scale properly set), but Particle Number Concentrations should be looked at too.

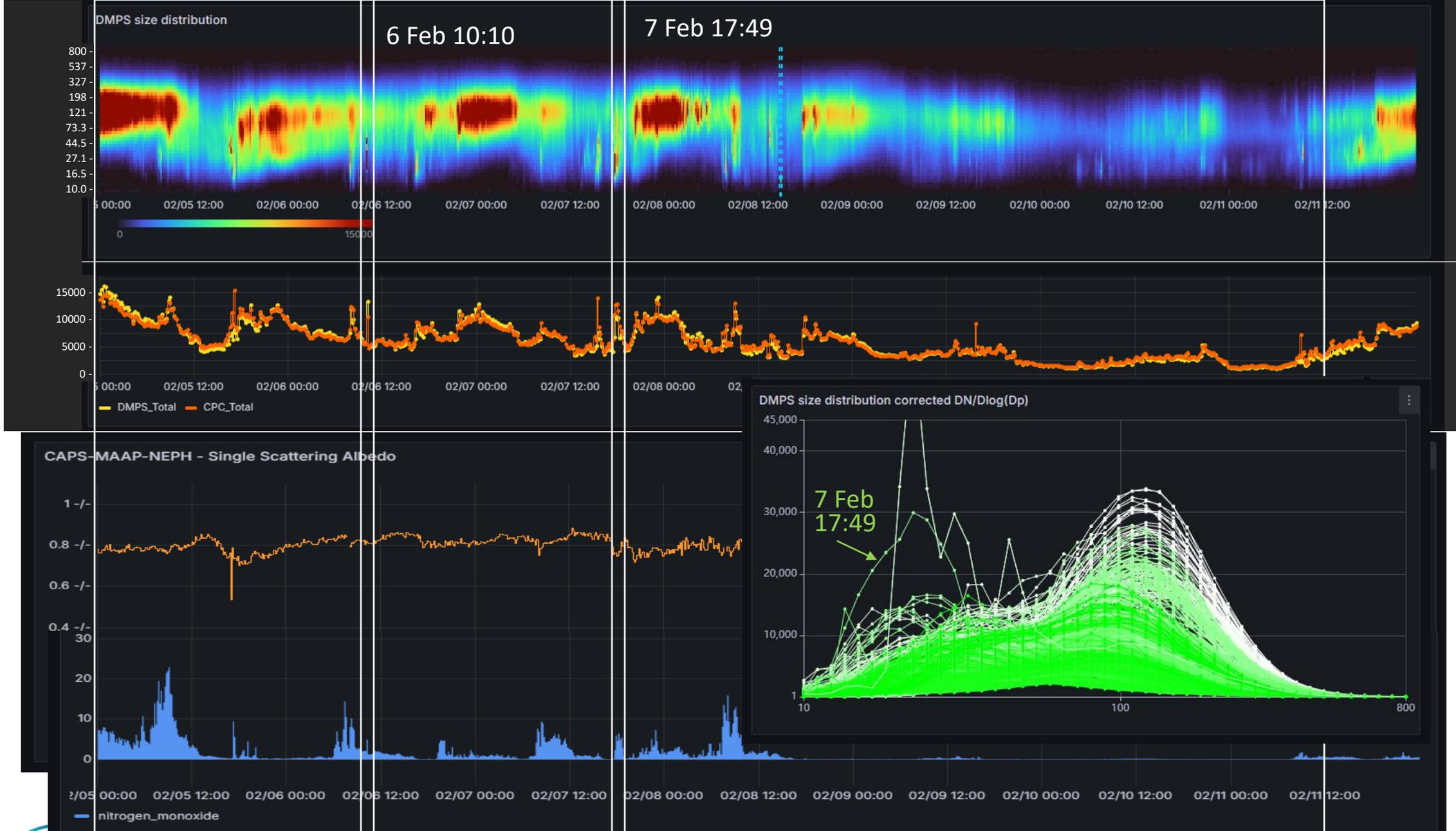
6 Feb 10:10

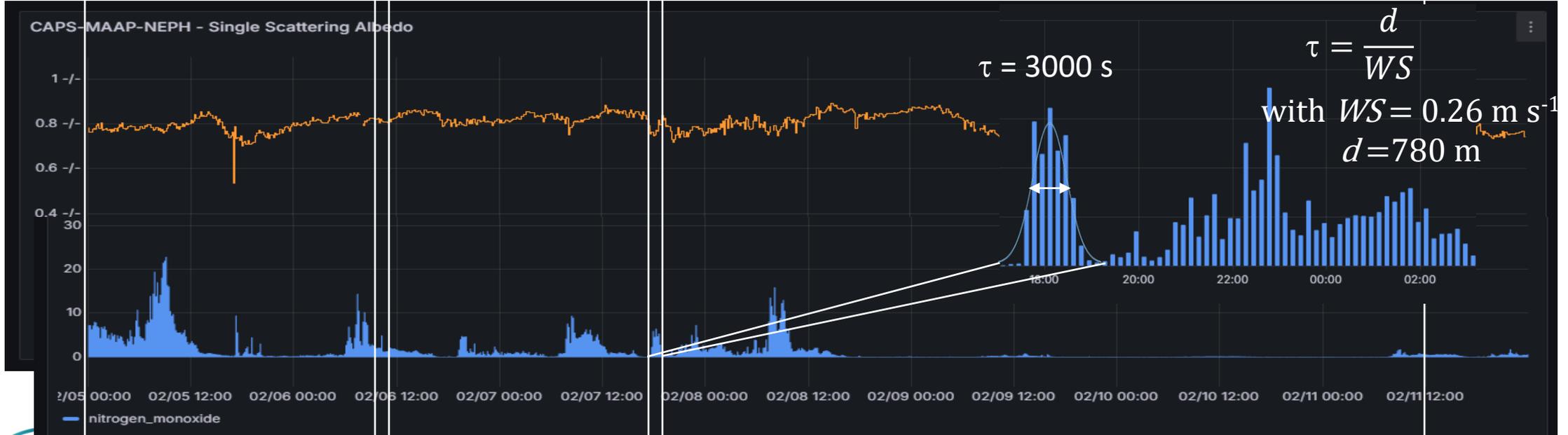
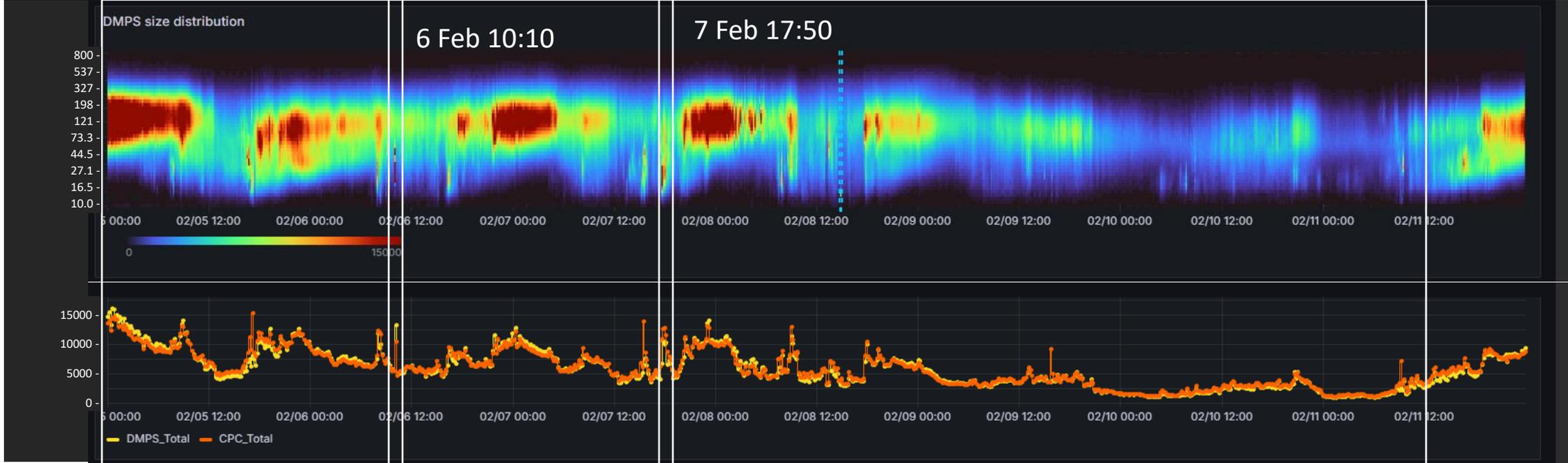
DMPS size distribution

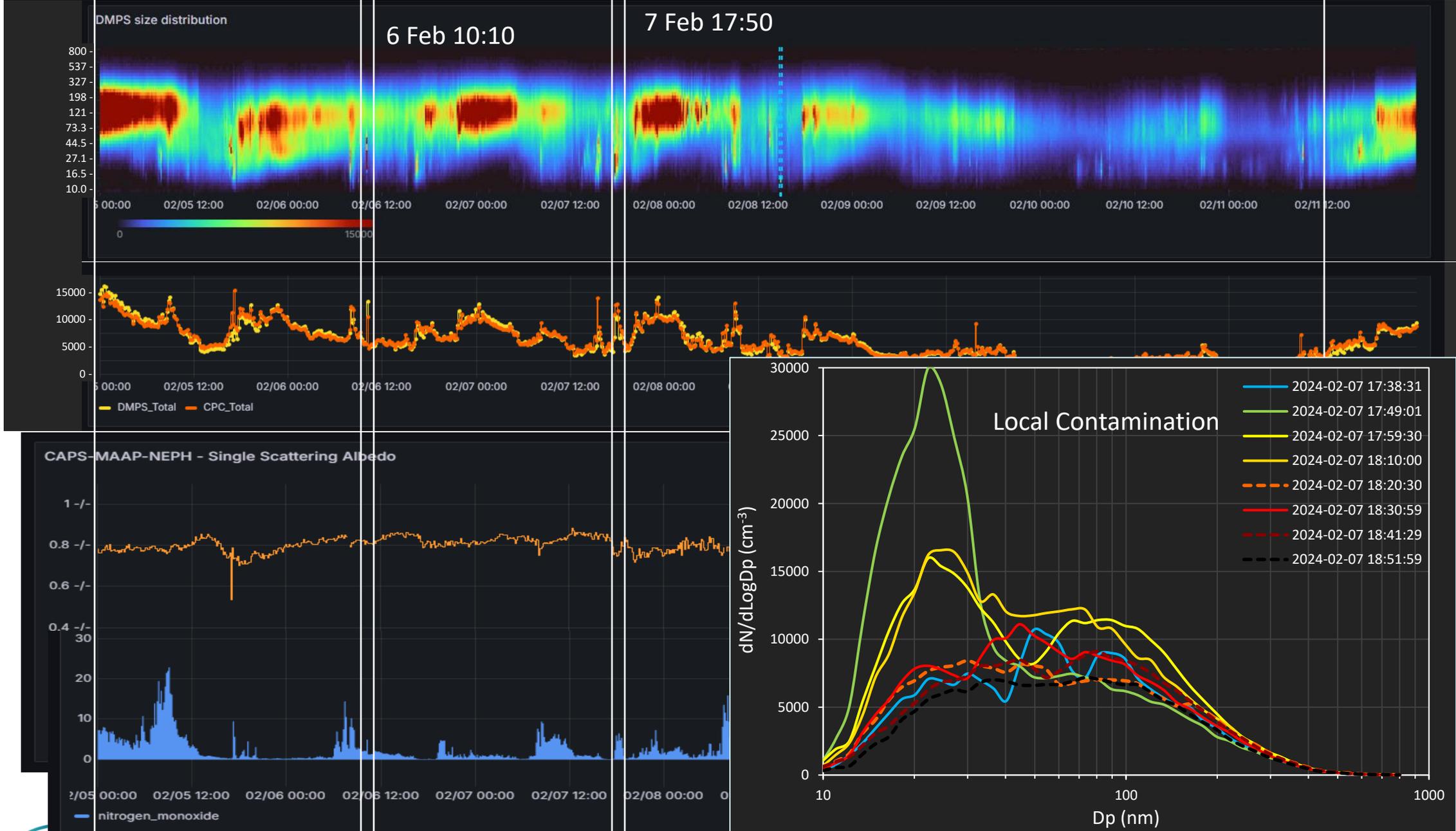


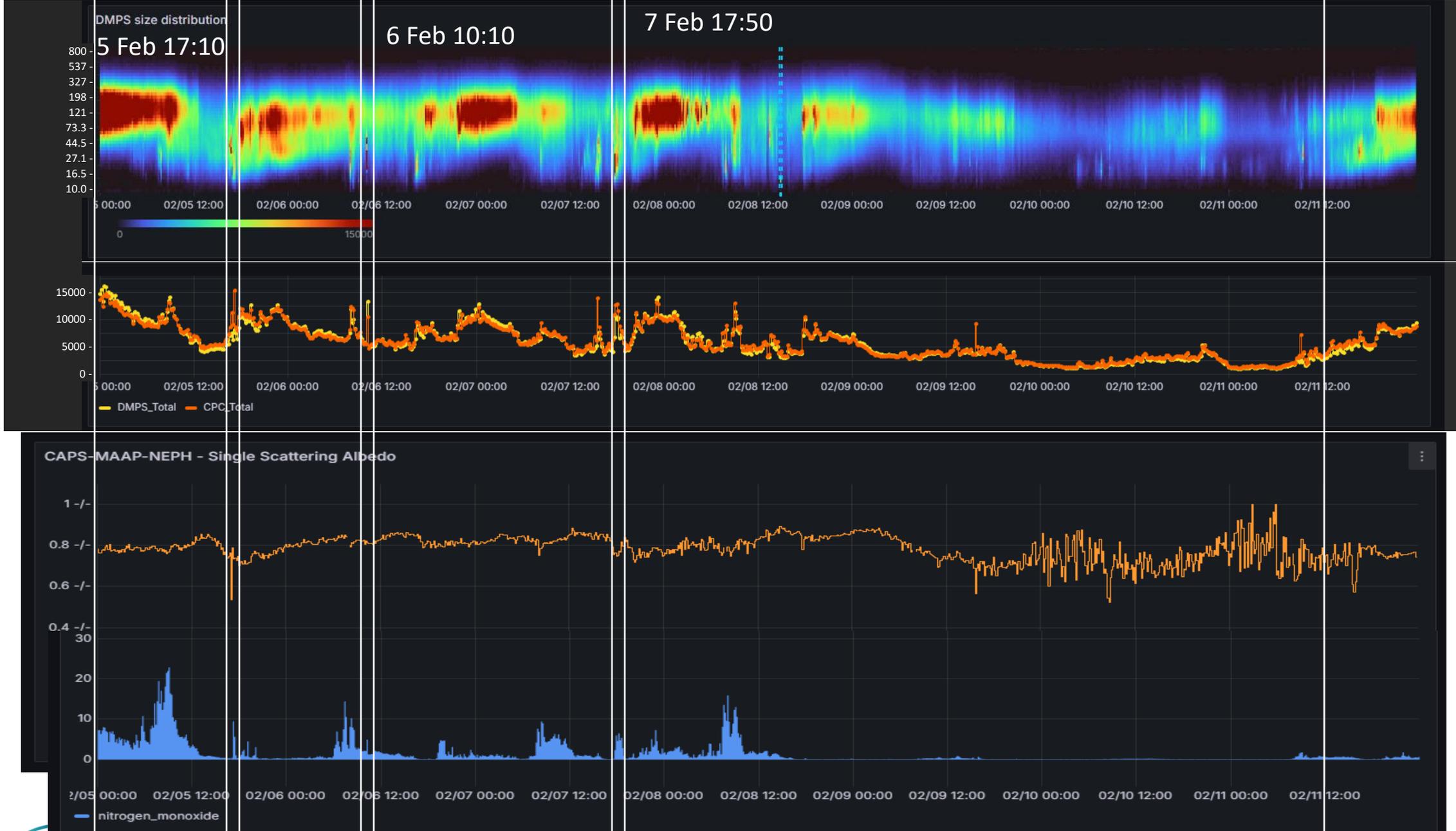
CAPS-MAAP-NEPH - Single Scattering Albedo

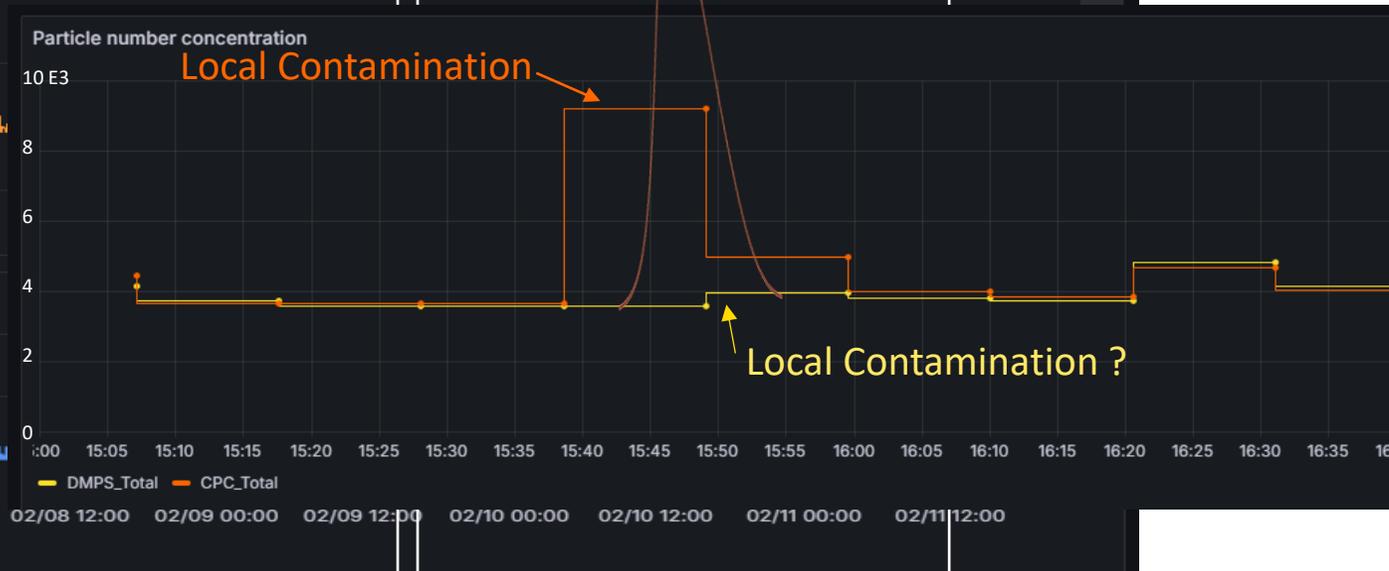
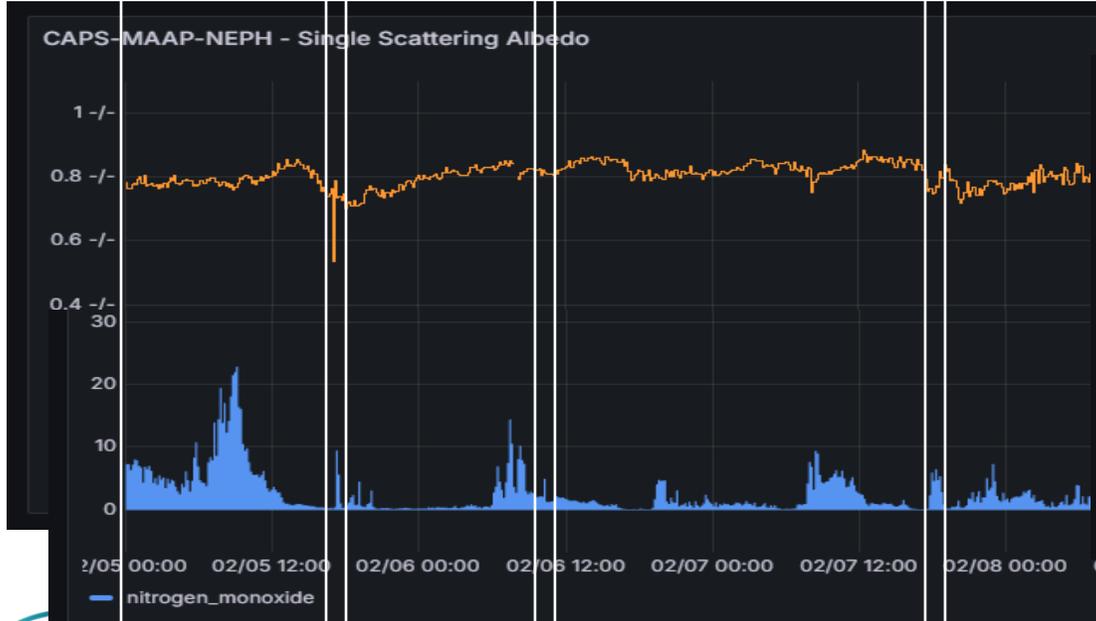
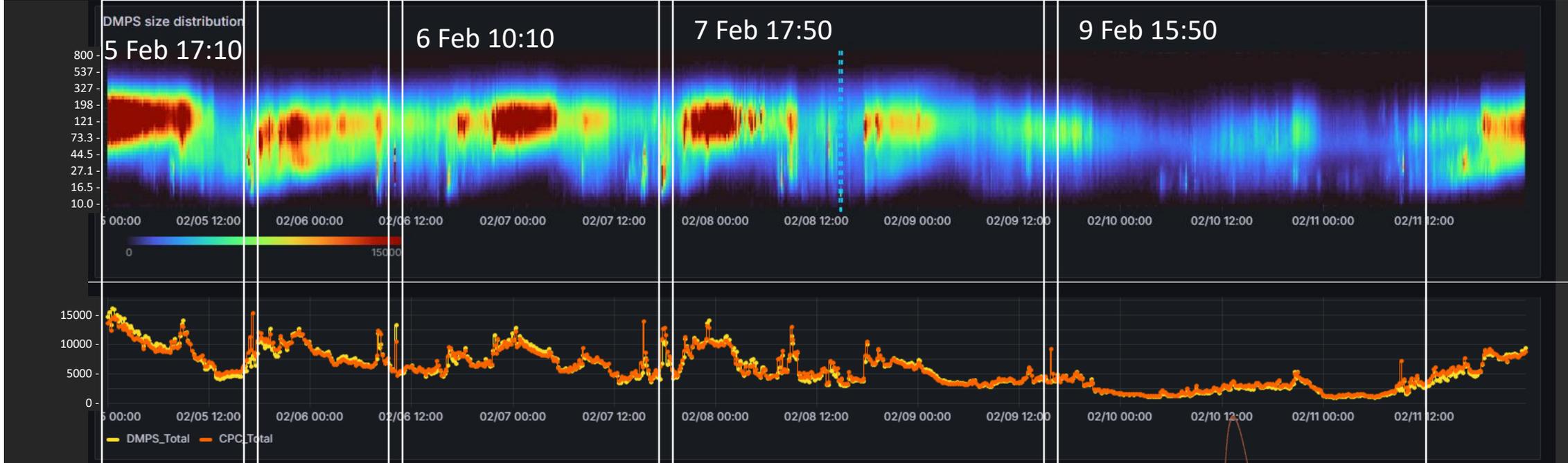


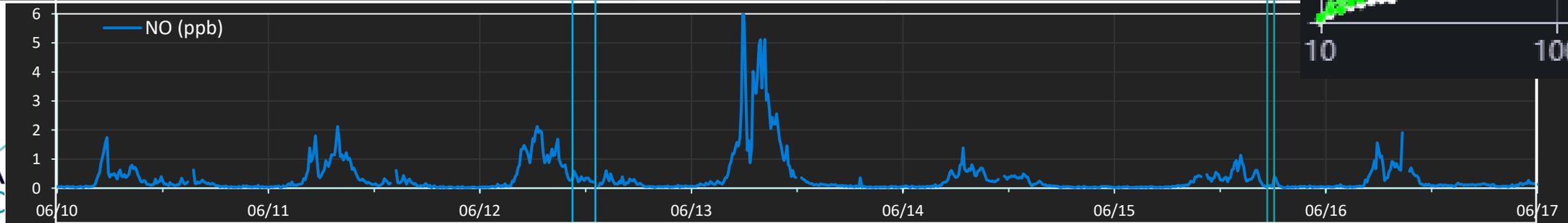
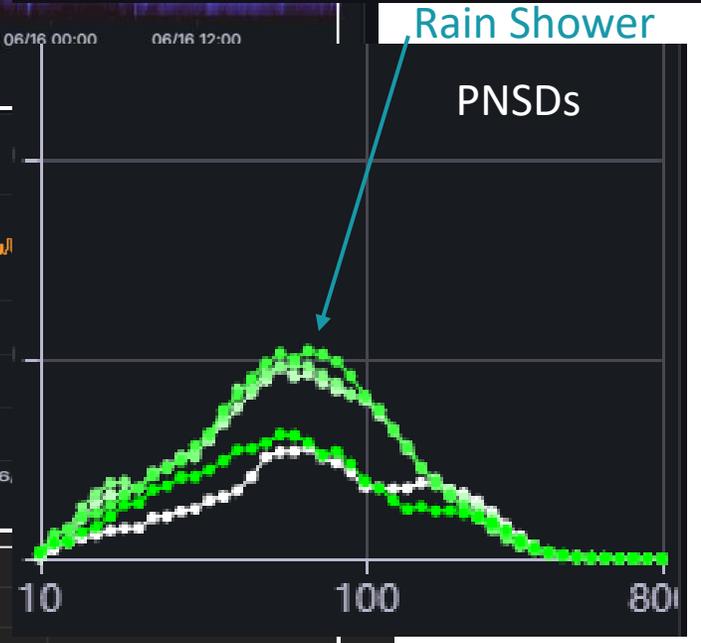
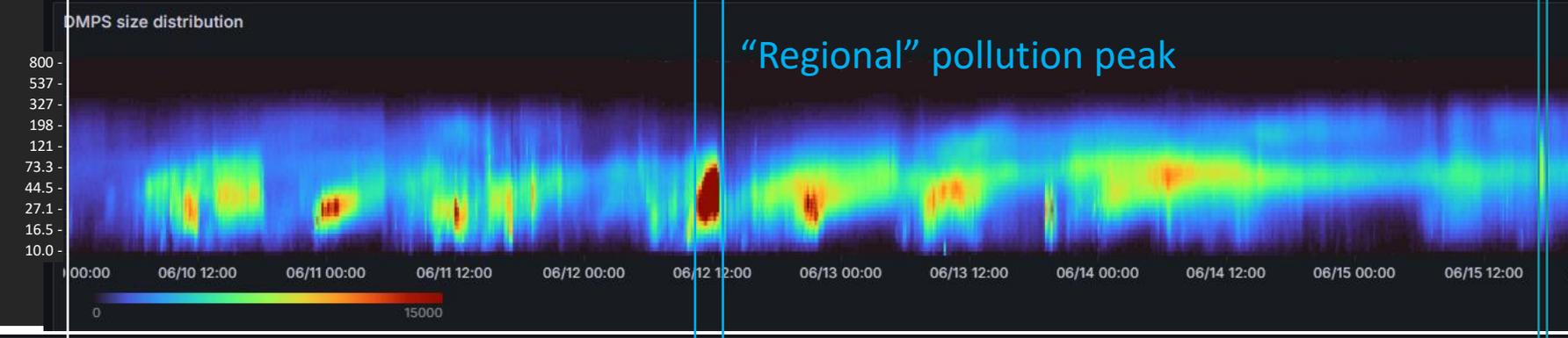
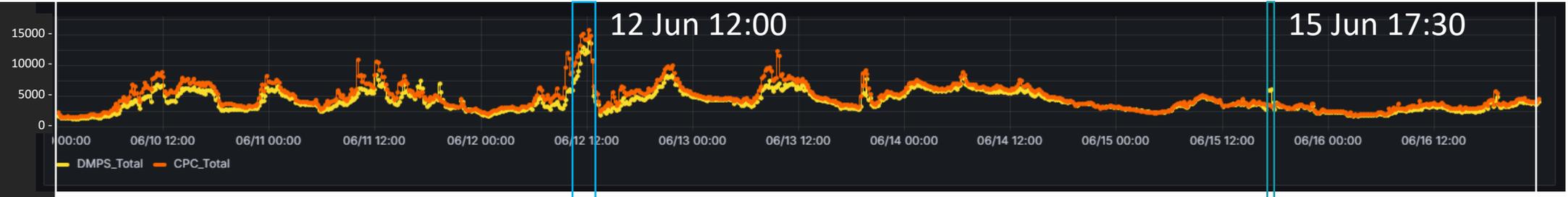


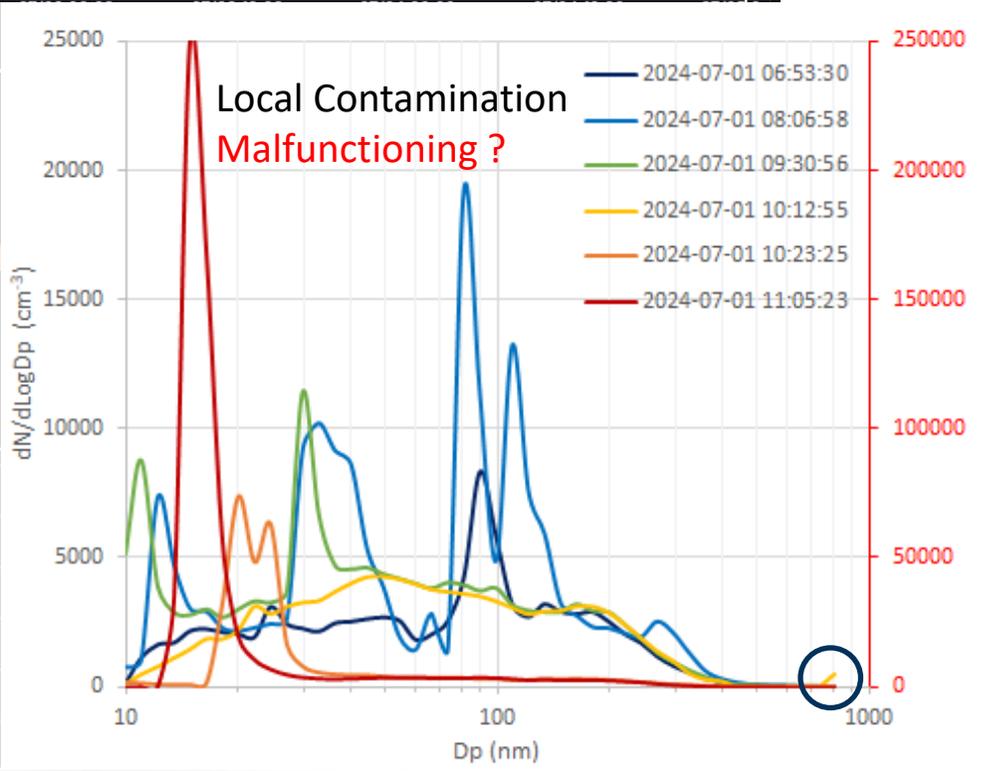
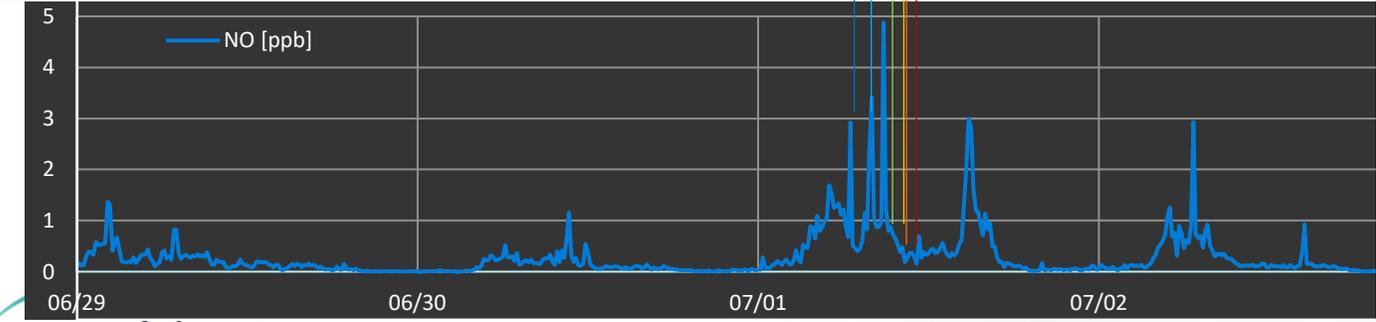
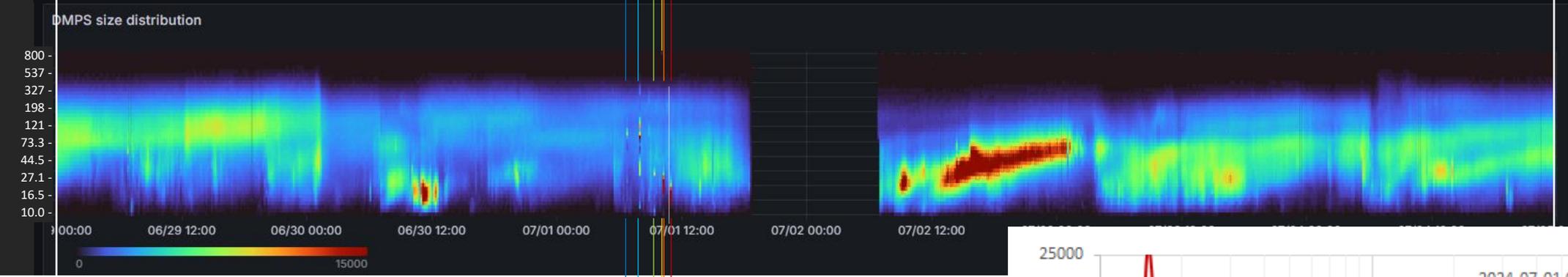


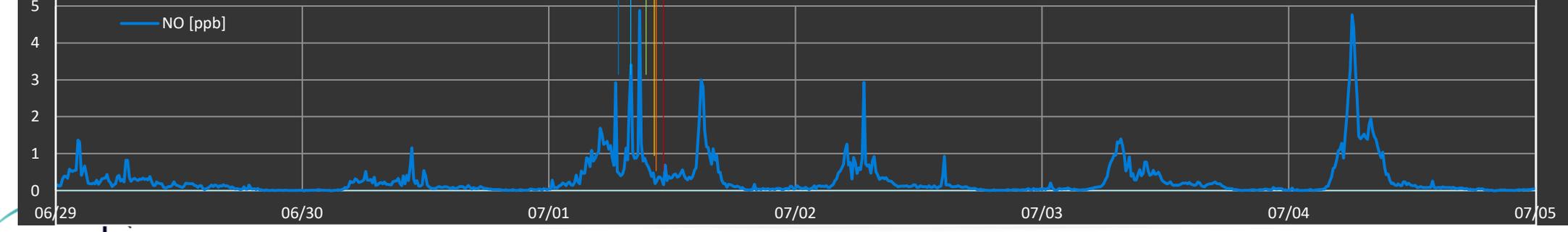
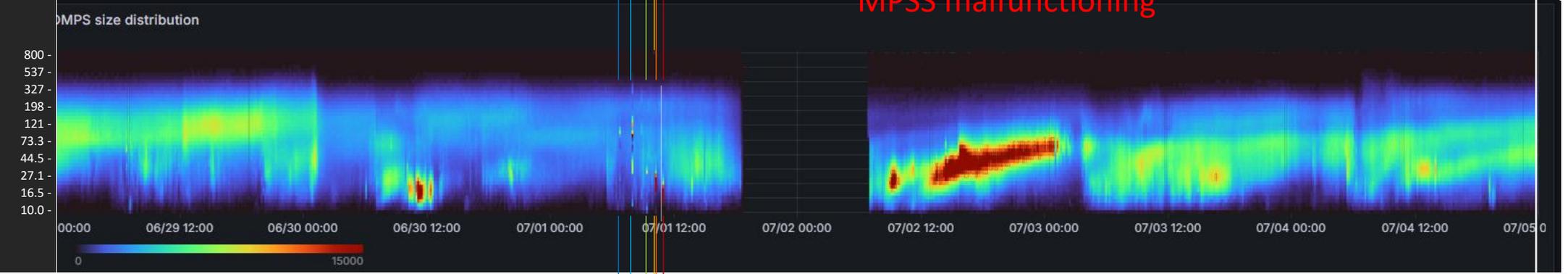












Conclusions

1. Flagging sometimes results from an “educated guess”
2. It is certainly “flagger” dependent
3. Flagging would probably be more consistent if done by a machine....

Thank you

QUESTIONS ?