AFLUX Quicklook meeting
10 april 2019

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(Laboratoire de Météorologie Physique)

Polar Nephelometer:
Scattering phase function measurement (few µm to ~1 mm)
→ Extinction oefficient, asymmetry parameter, cloud phase

2DS probe:
Particle size distribution (50 to 1280 µm)
→ Number, size, IWC, shape

Flight #06 – 30 march

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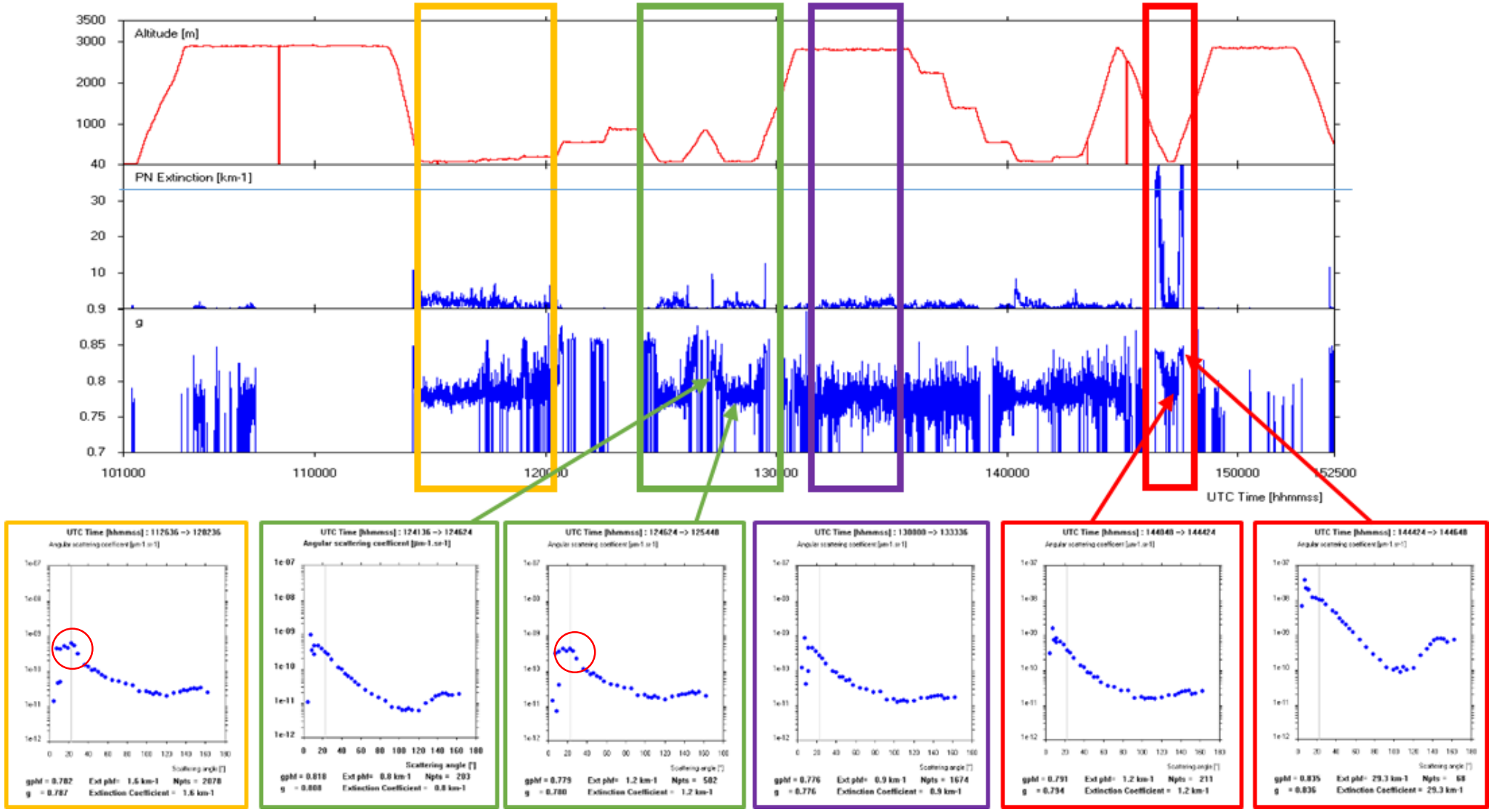
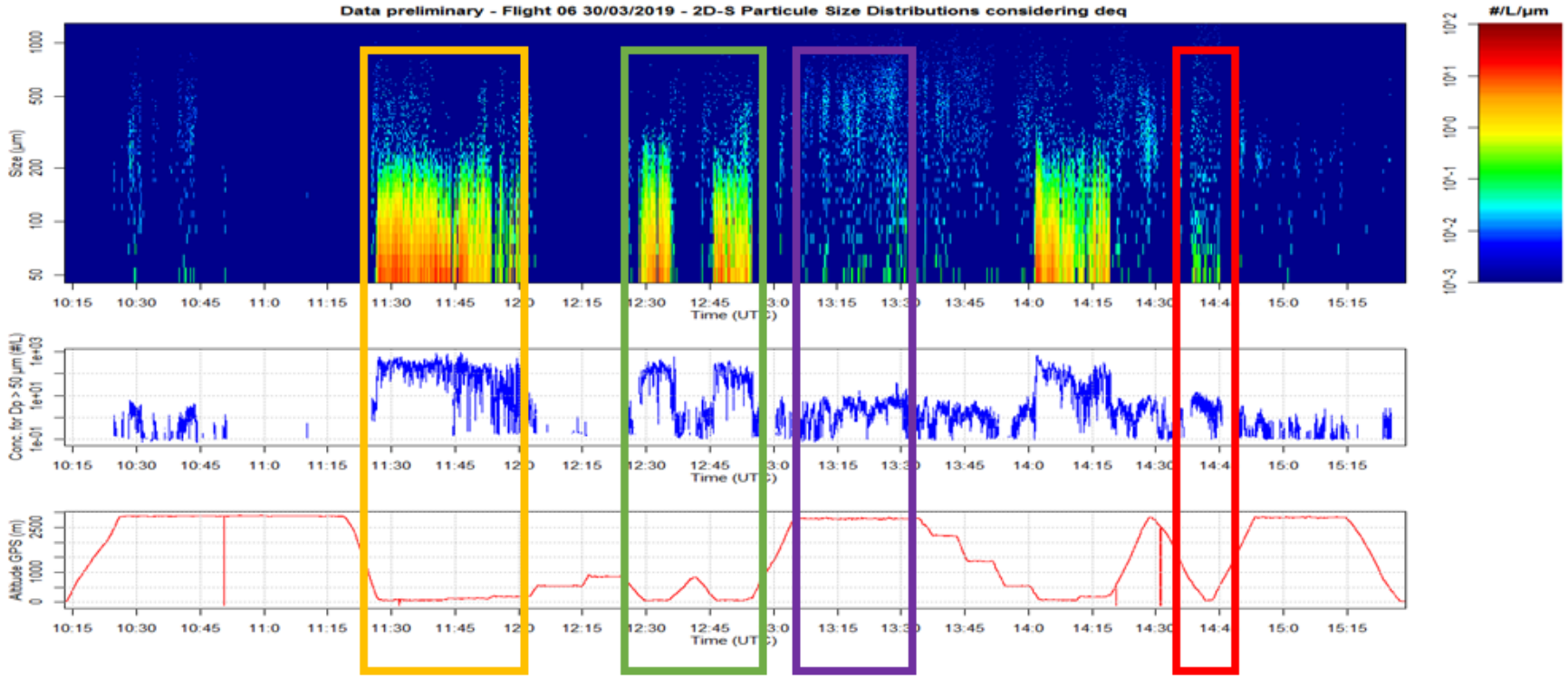
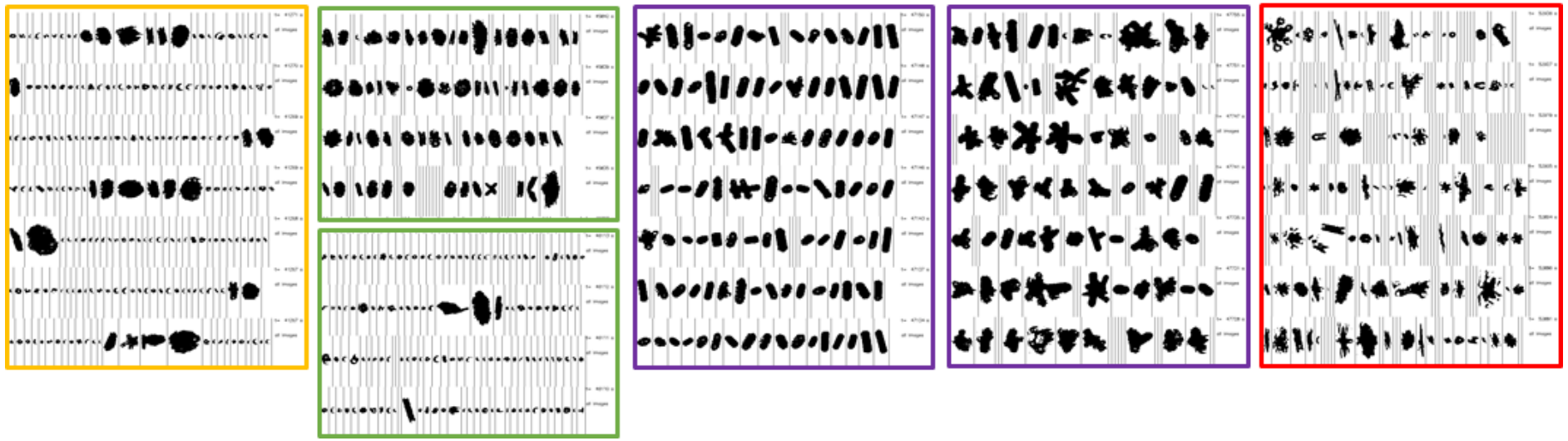
Polar Nephelometer



Flight #06 – 30 march

2DS probe



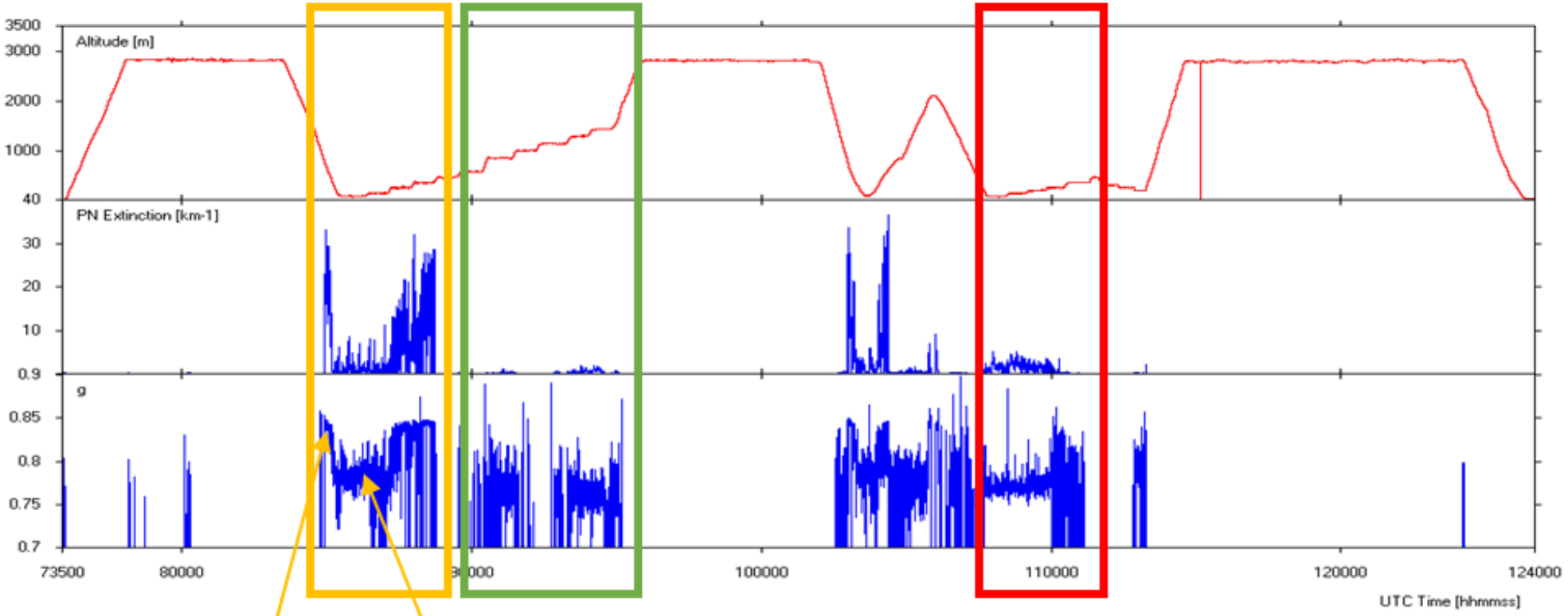


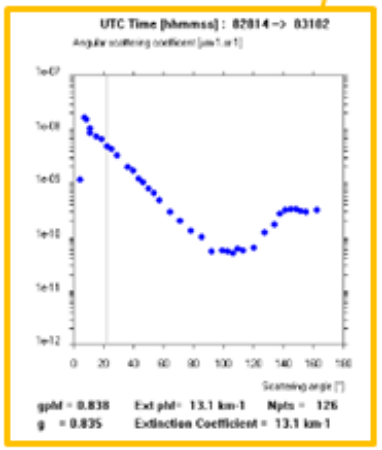
Flight #08 – 1 april

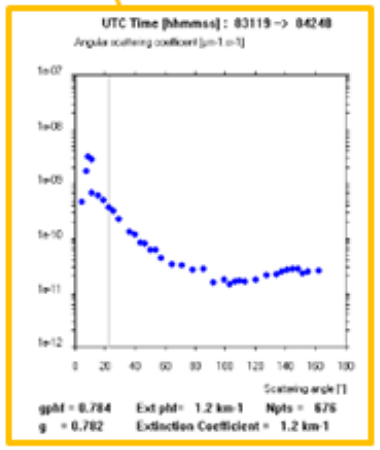
Flight #08 – 1rst april

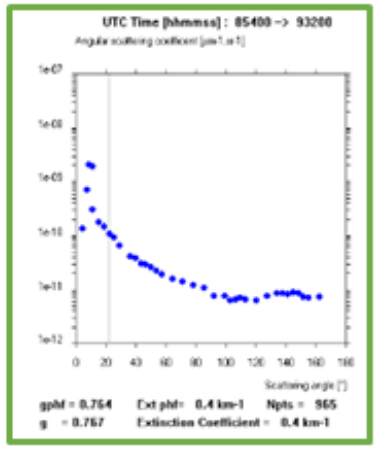
(Satellite overpass flight)

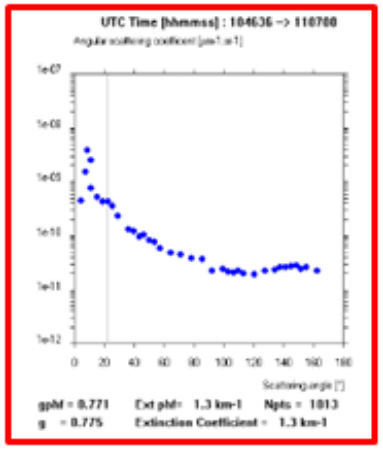
Polar Nephelometer











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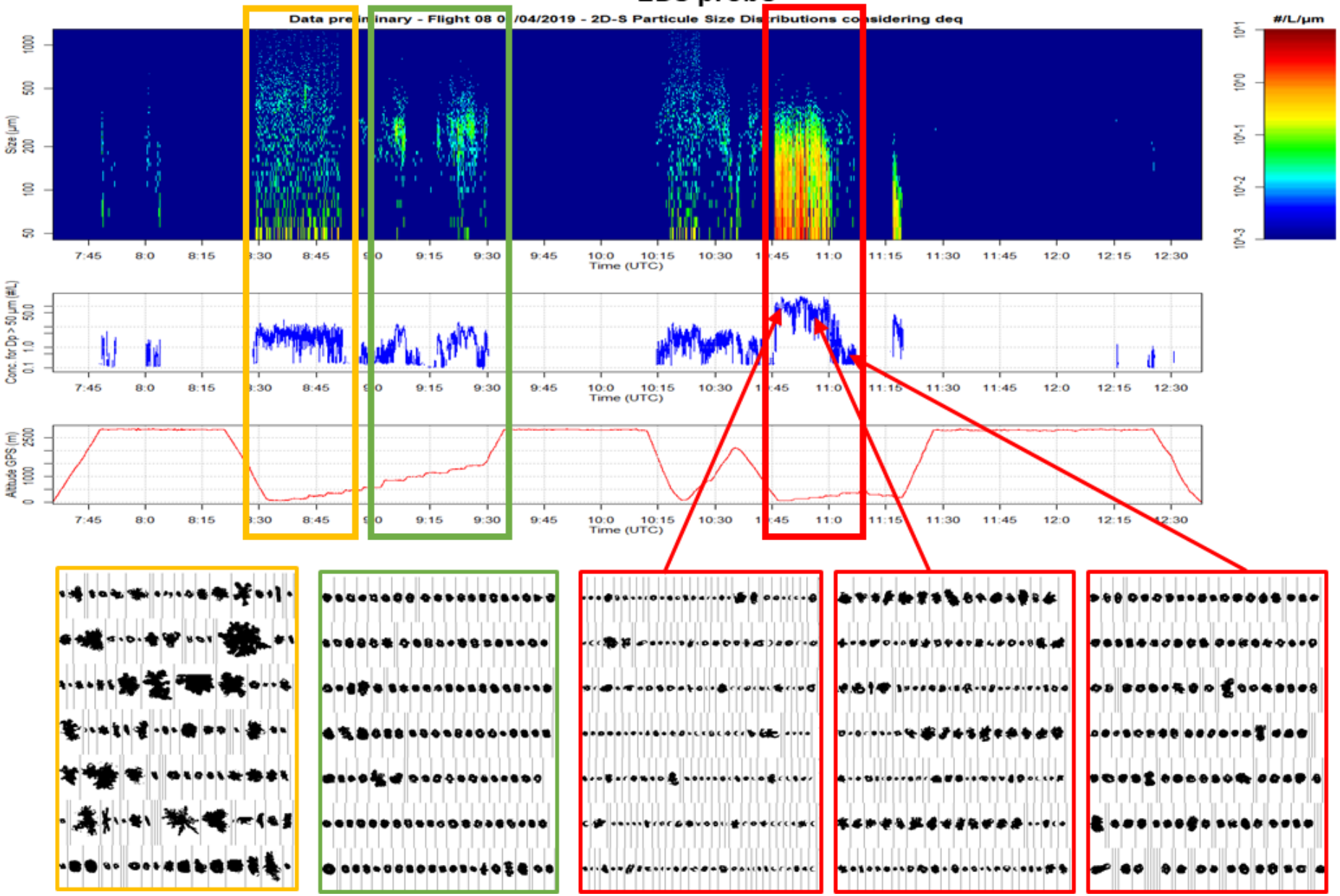
(Satellite overpass flight)

2DS probe



Flight #11 – 6 april

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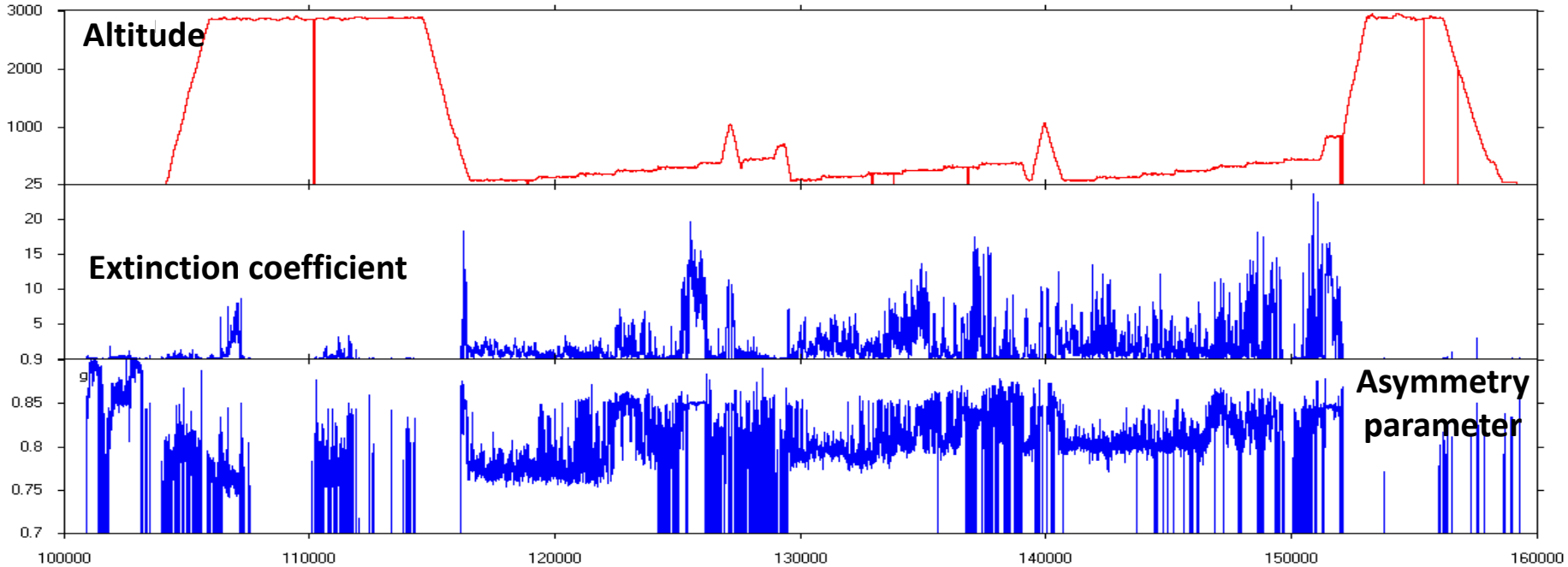
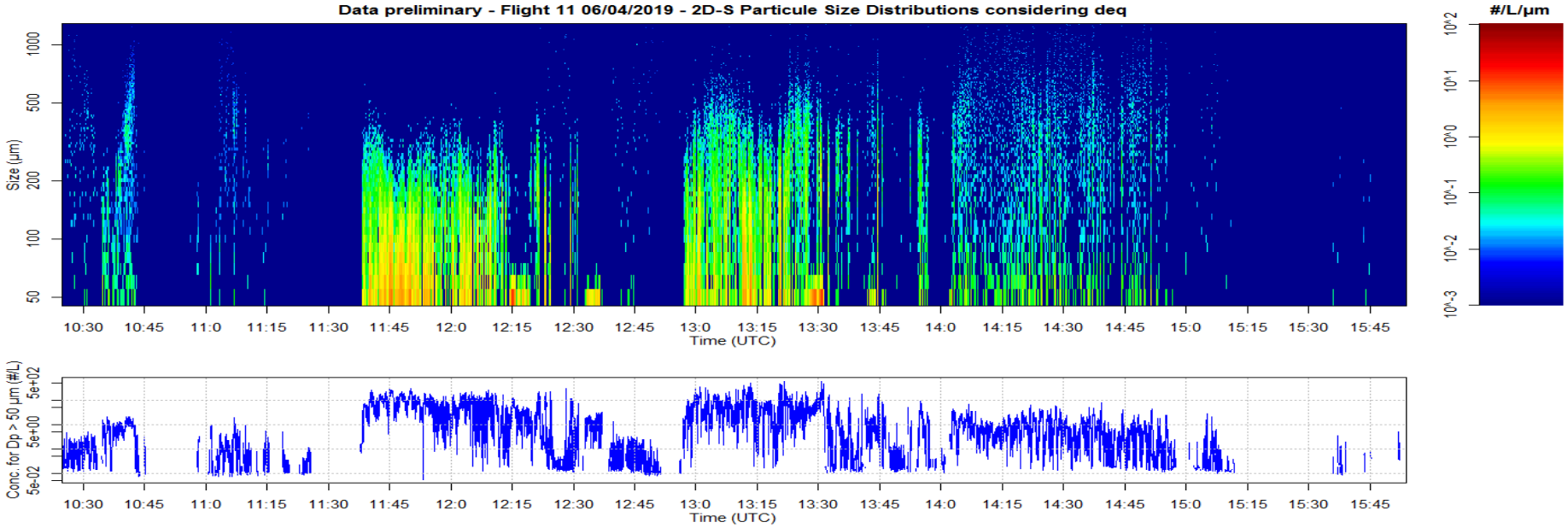


POLAR NEPHELOMETER



2DS

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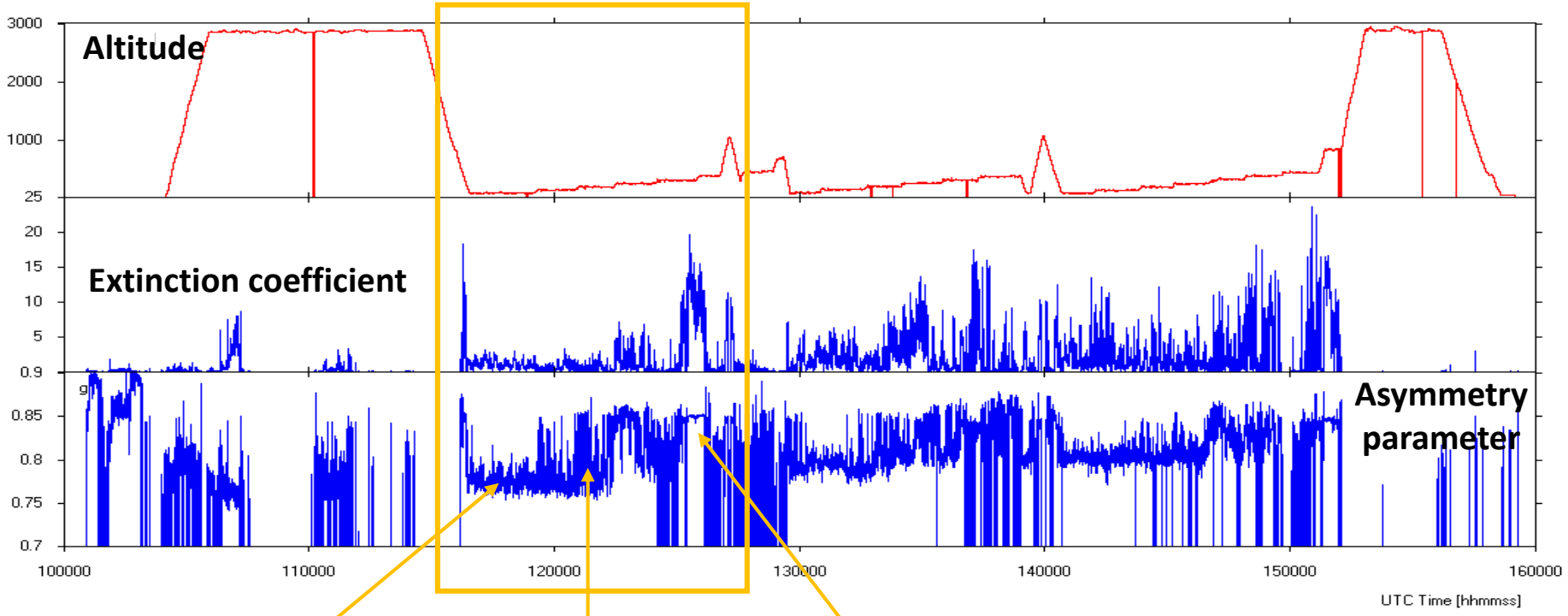
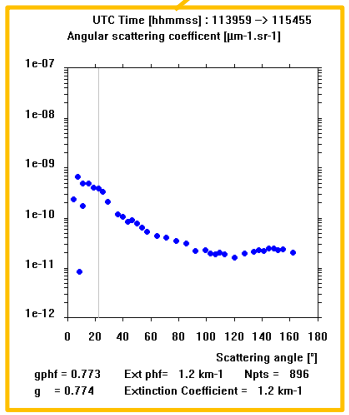
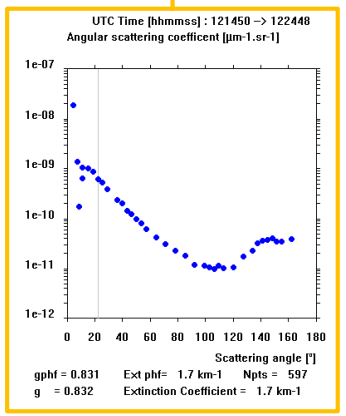
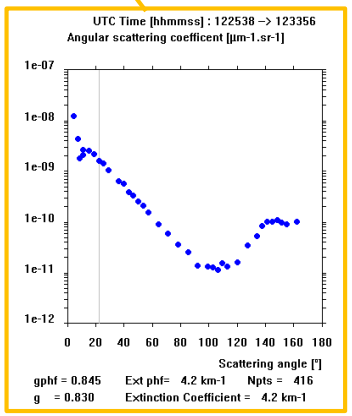
Polar Nephelometer









Asymmetry parameter g is derived from scattering phase function.
Good proxy for cloud phase:
Ice cloud : g < ~0,80
Liquid cloud : g > ~0,83
Mixed phase: 0,80 < g < 0,83

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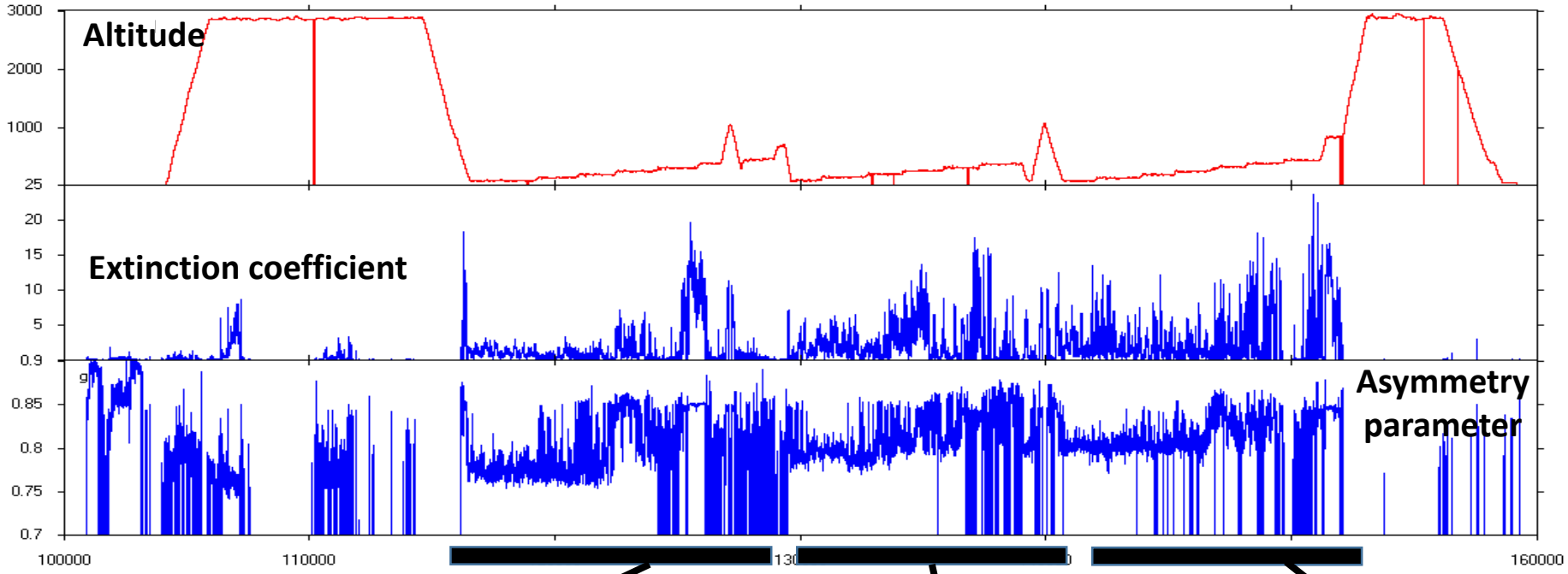

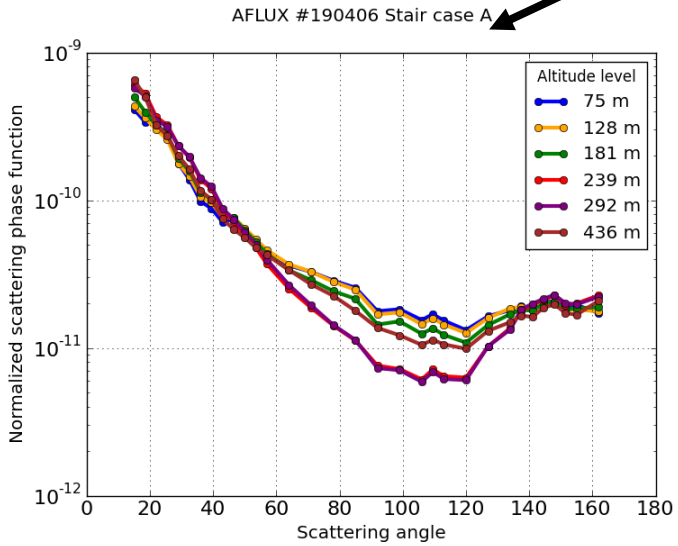

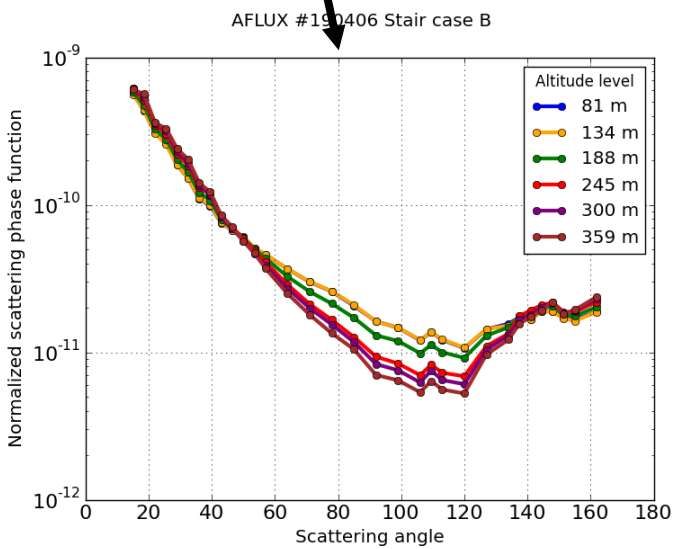

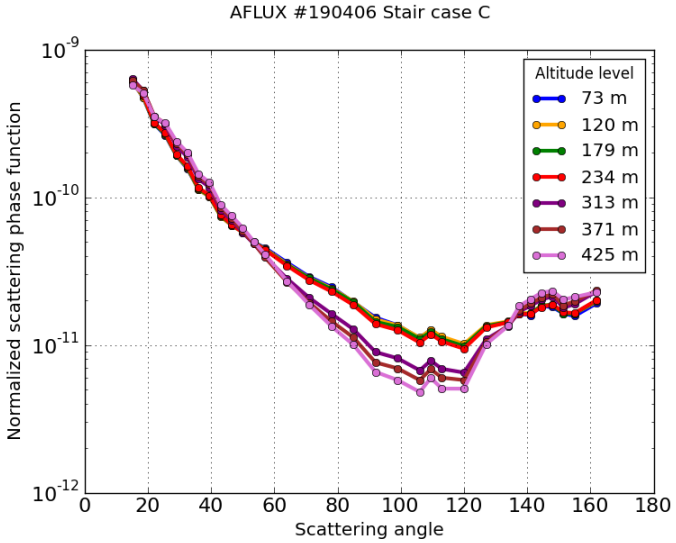

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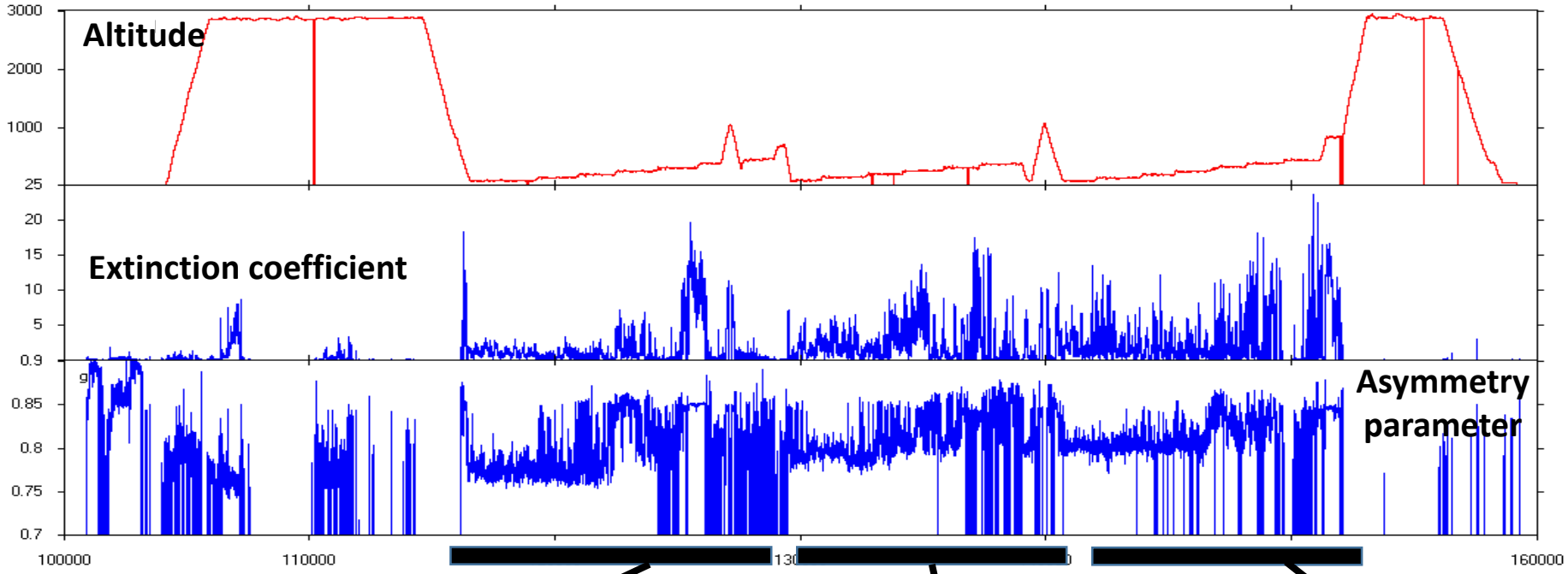

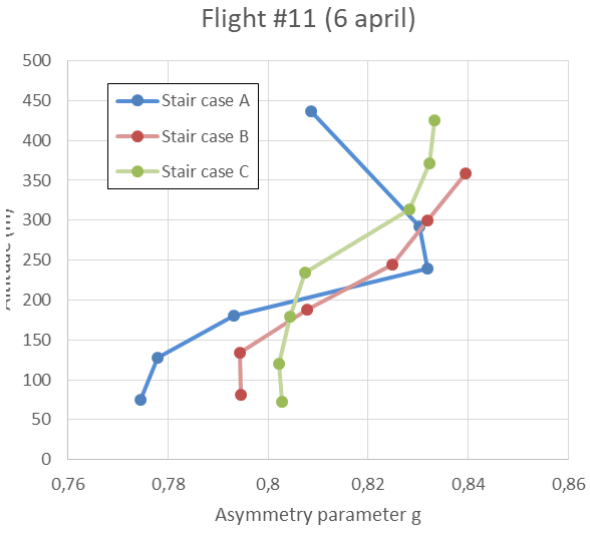

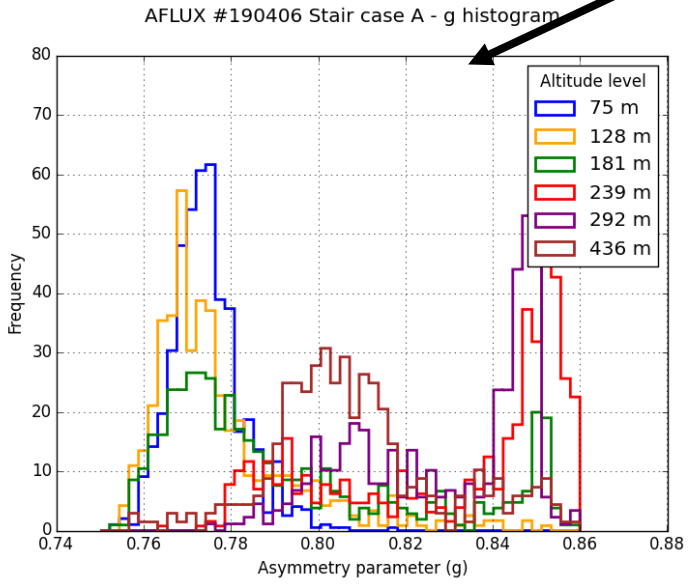

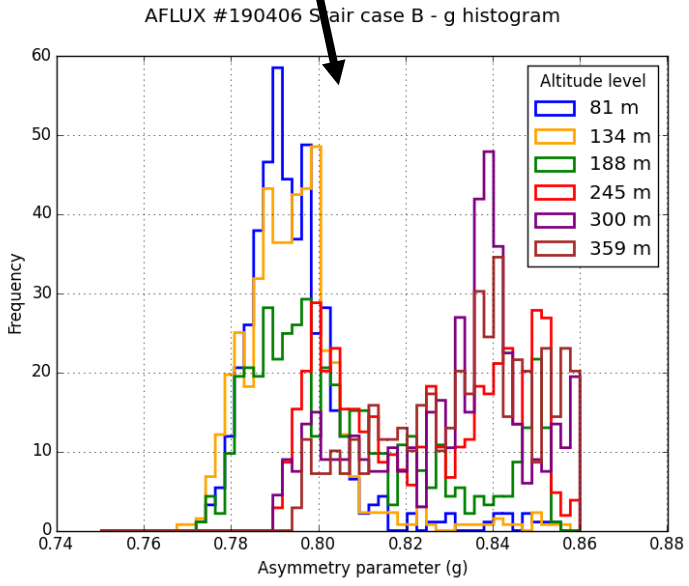

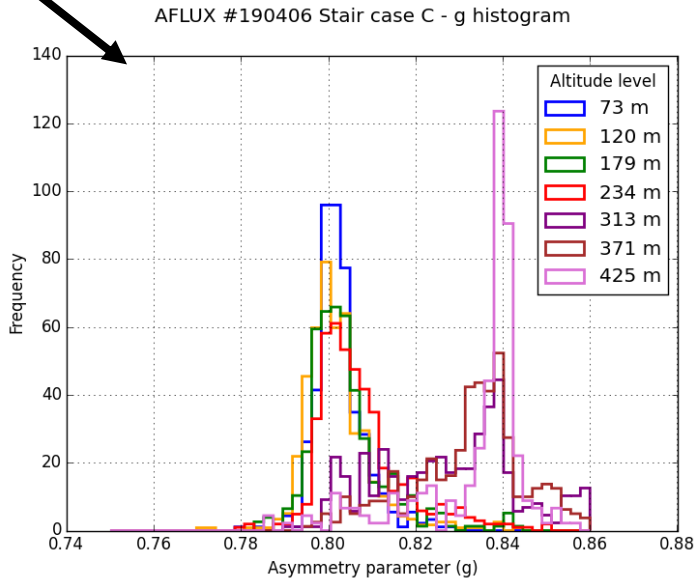

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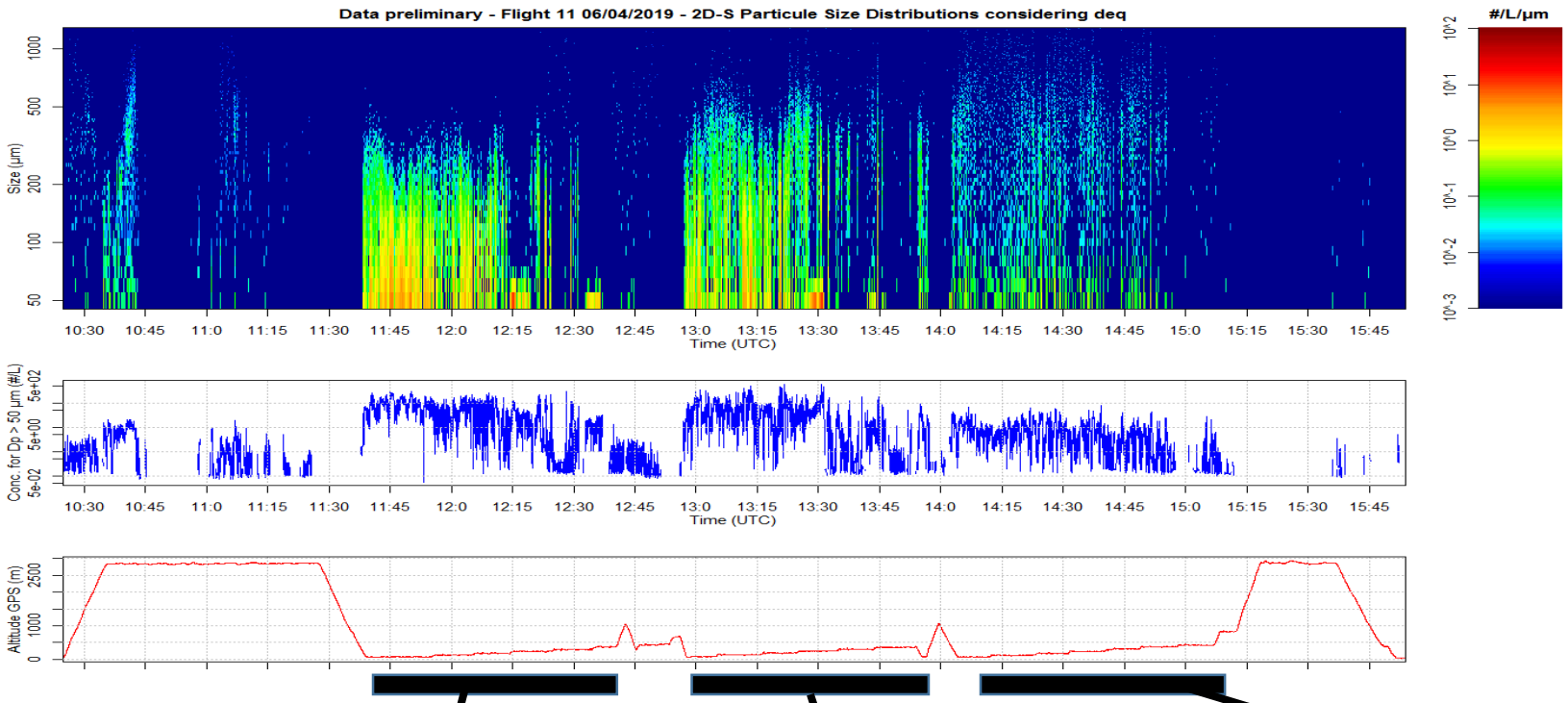
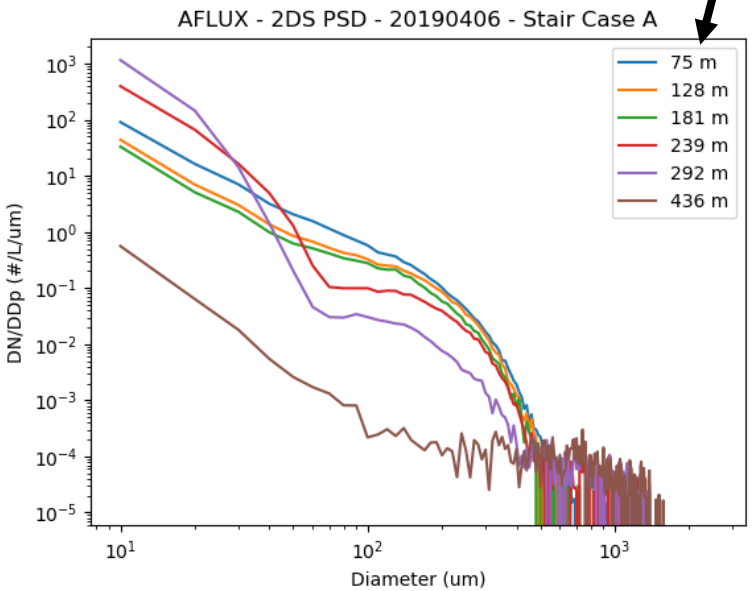
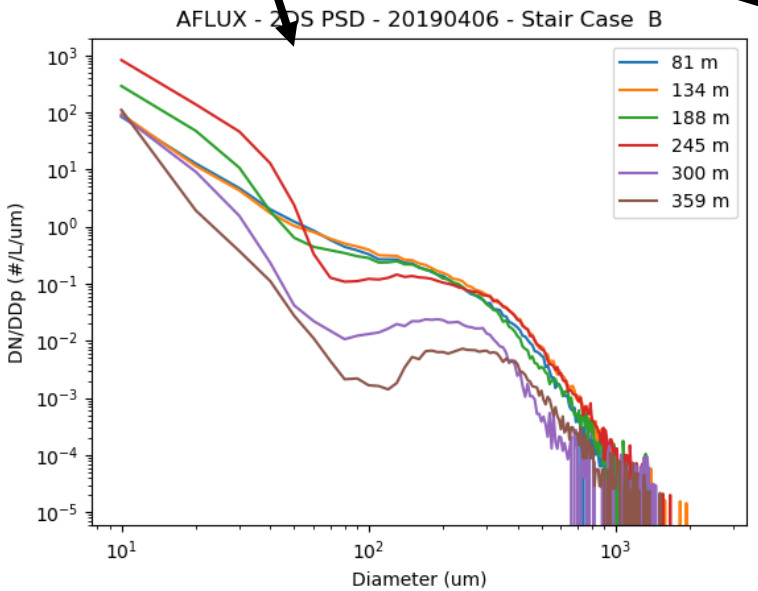
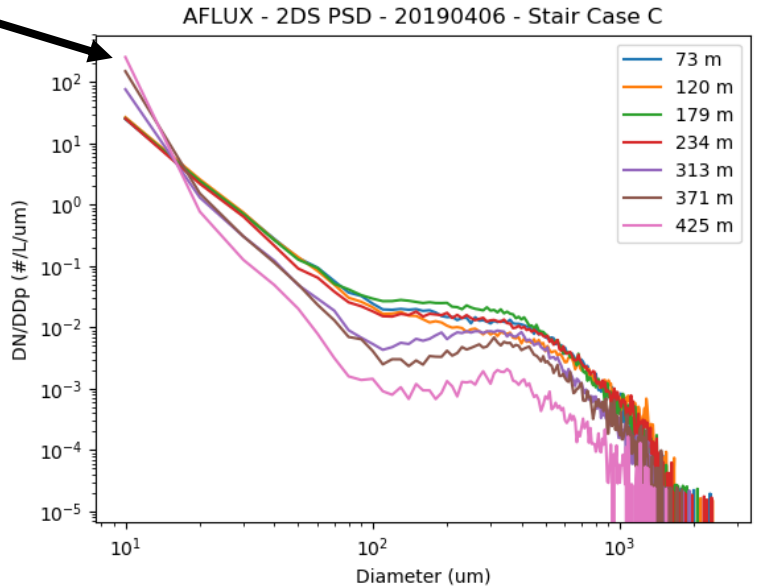
2DS









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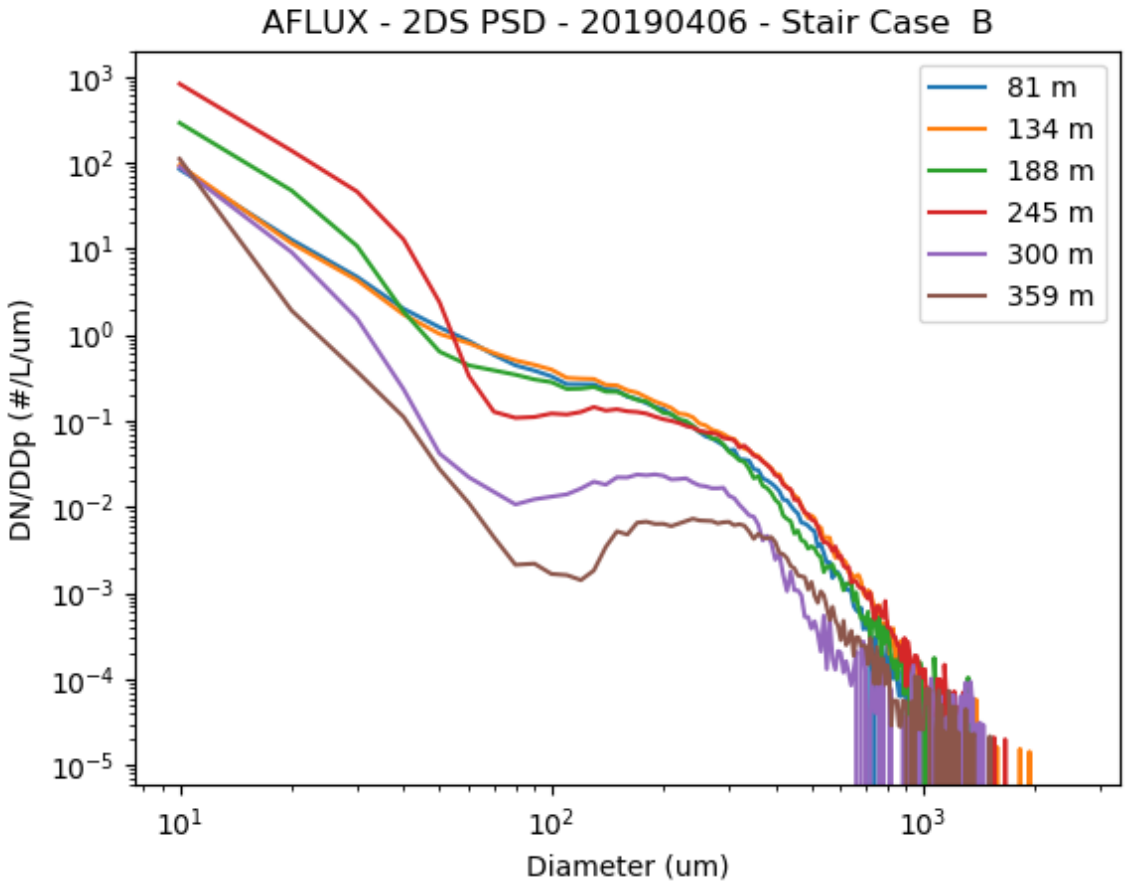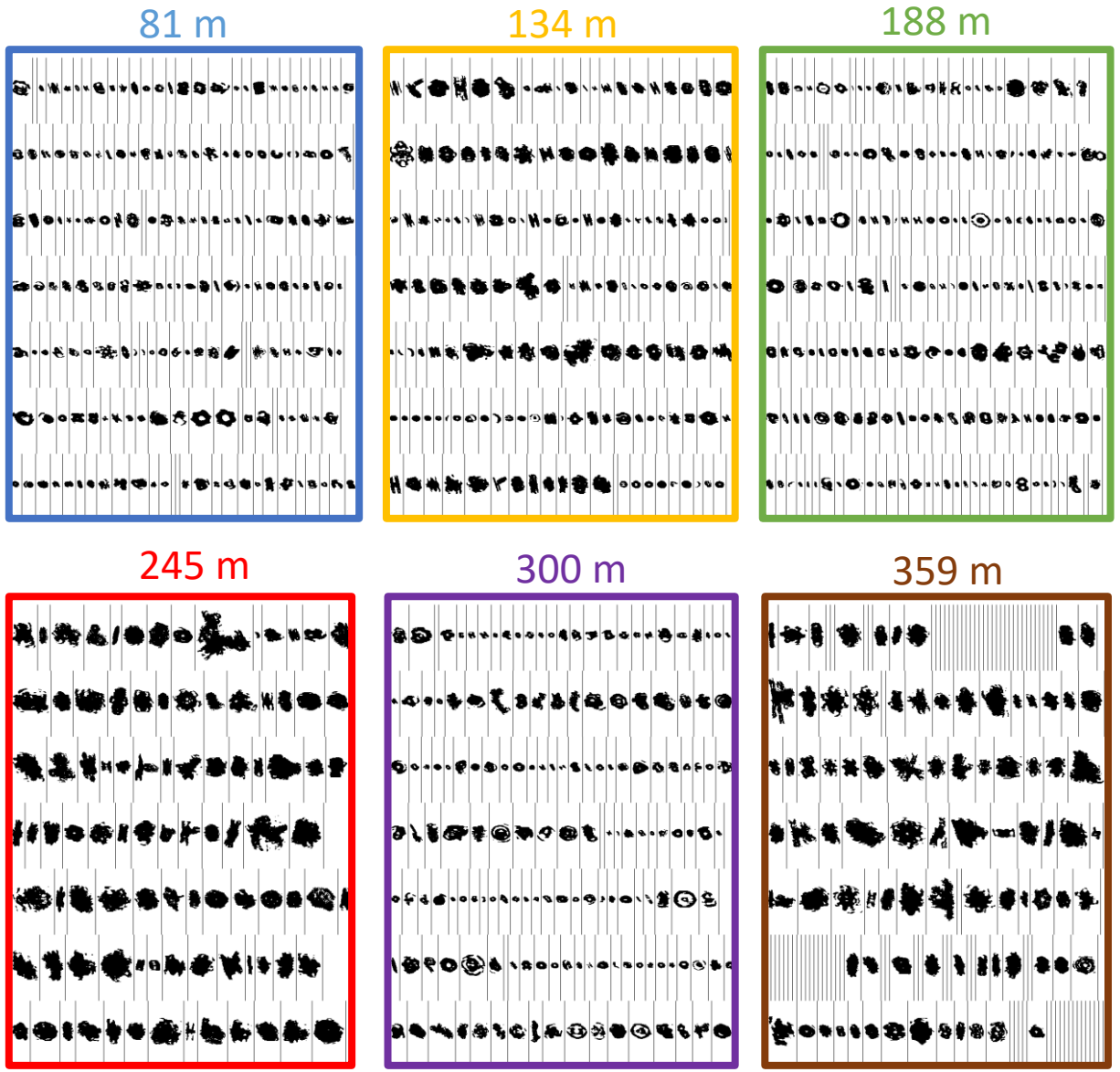
2DS