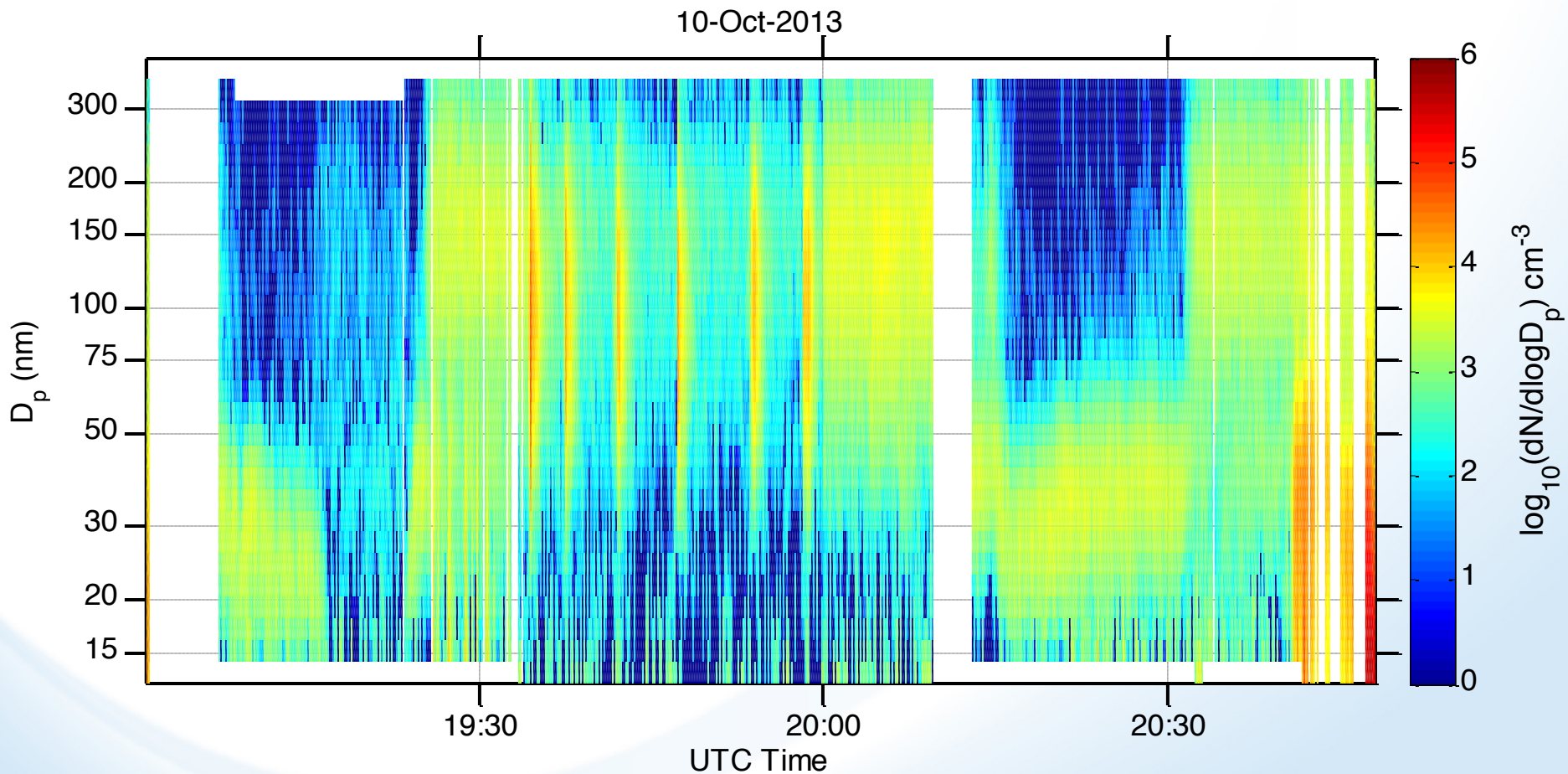
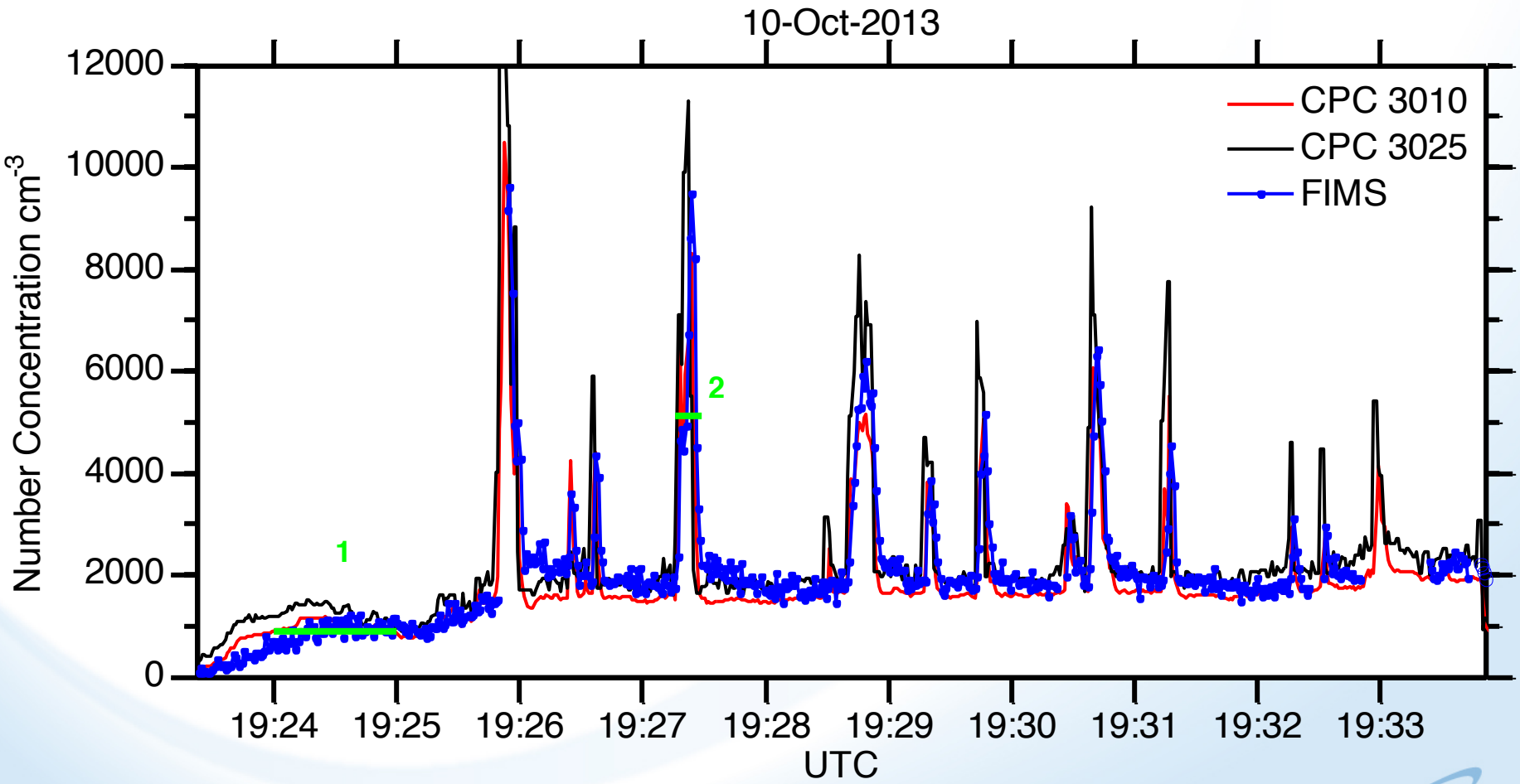
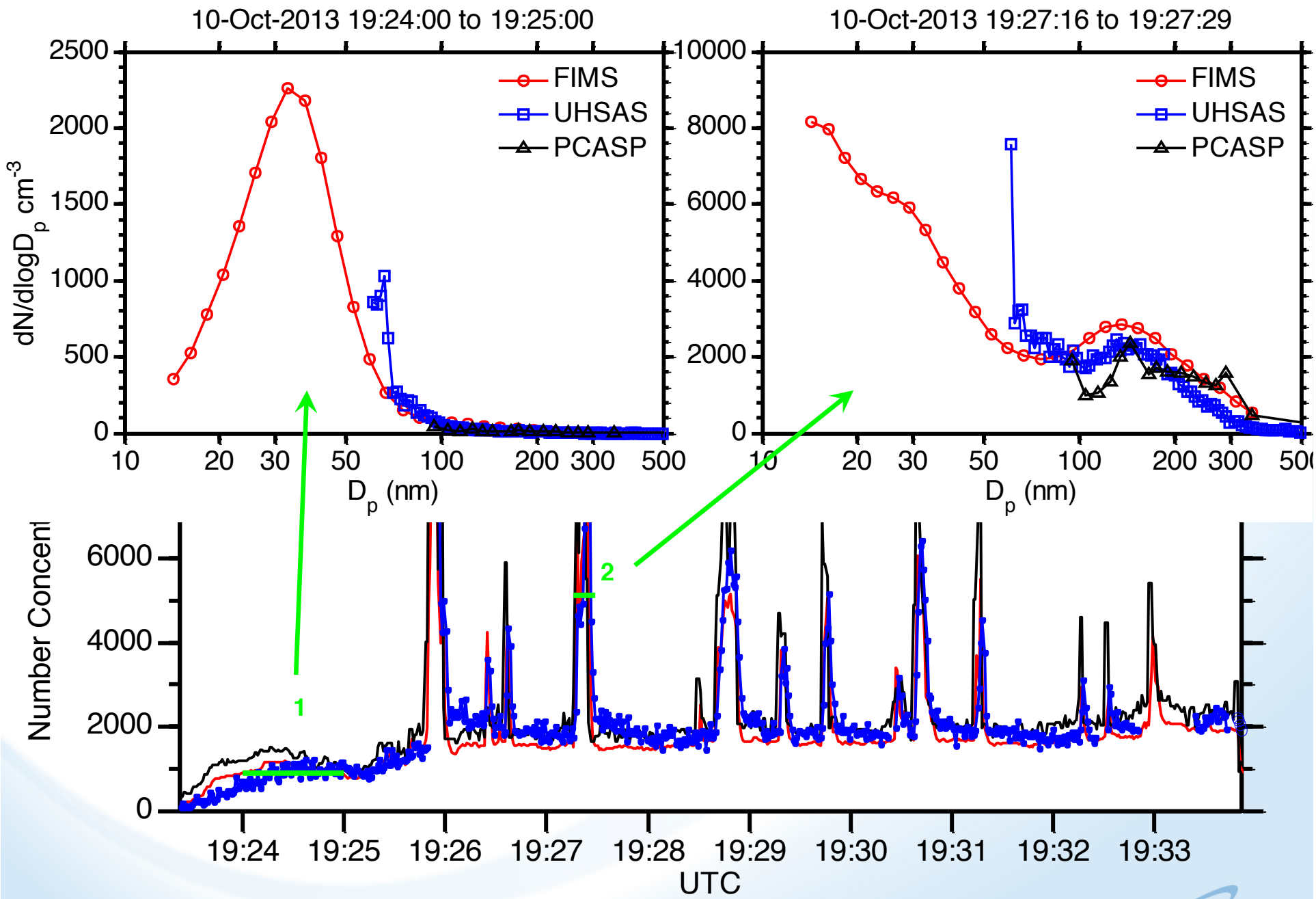
Fast Integrated Mobility Spectrometer

- Dry aerosol size distribution
- Time resolution: 1 sec
- Size range: 15 – 320 nm
- Single particle detection


10-Oct-2013
300
200
150
100
75
50
30
20
15
D_p (nm)
19:30
20:00
20:30
UTC Time
6
5
4
3
2
1
0
$\log_{10}(dN/d\log D_p)$ cm^{-3}


10-Oct-2013
Number Concentration cm-3
12000
10000
8000
6000
4000
2000
0
CPC 3010
CPC 3025
FIMS
1
2
19:24
19:25
19:26
19:27
19:28
19:29
19:30
19:31
19:32
19:33
UTC


10-Oct-2013 19:24:00 to 19:25:00
10-Oct-2013 19:27:16 to 19:27:29
FIMS
UHSAS
PCASP
dN/dlogD$_p$ cm^{-3}
D$_p$ (nm)
Number Concent
UTC
1
2
19:24
19:25
19:26
19:27
19:28
19:29
19:30
19:31
19:32
19:33