

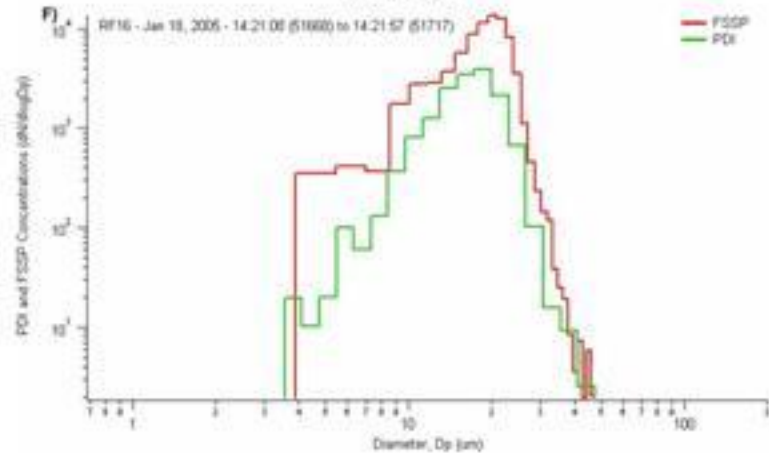
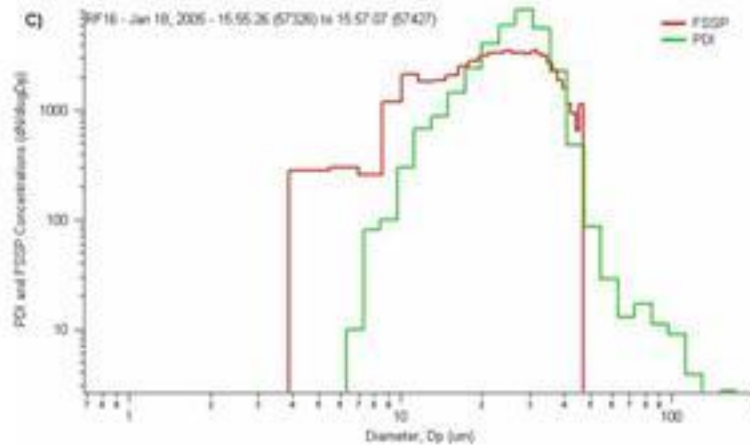
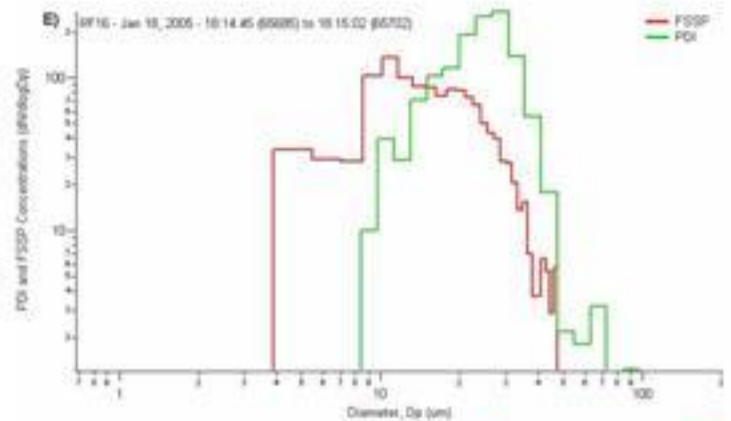
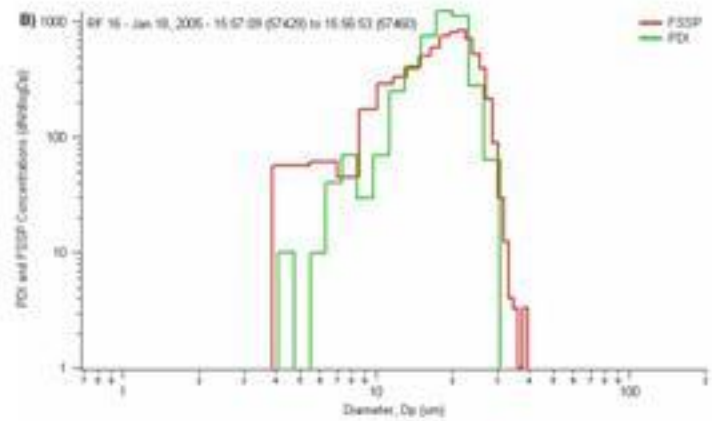
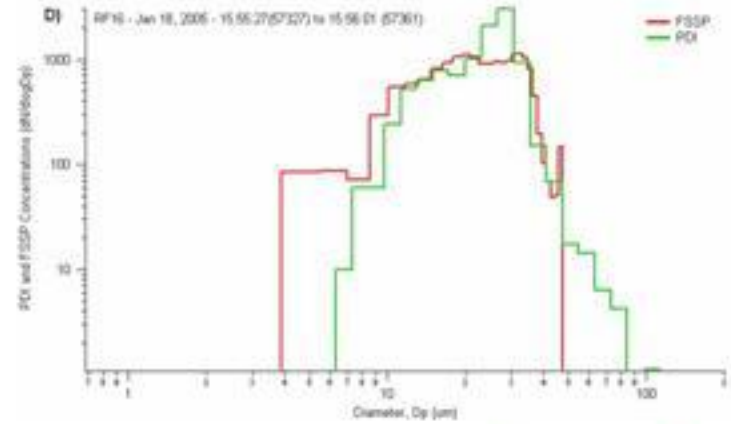
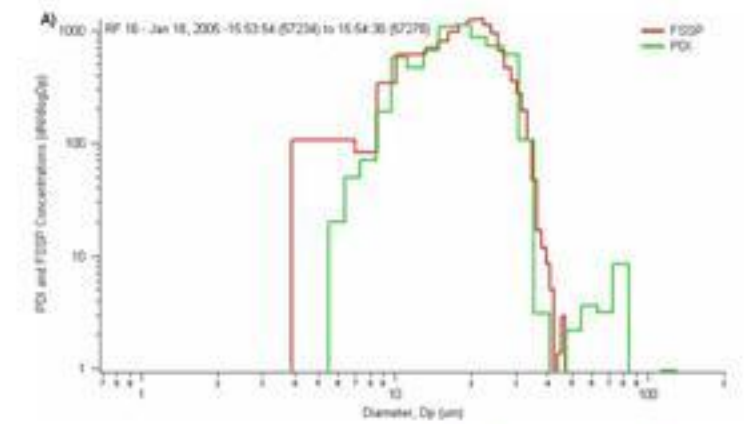
Phase Doppler data summary

- This was the first deployment of the instrument
- We have data for RF15 – 19 (but RF17 had only 5 sec of data)
- Largest uncertainty right now is the algorithm for determining view volume. We are working on that right now.

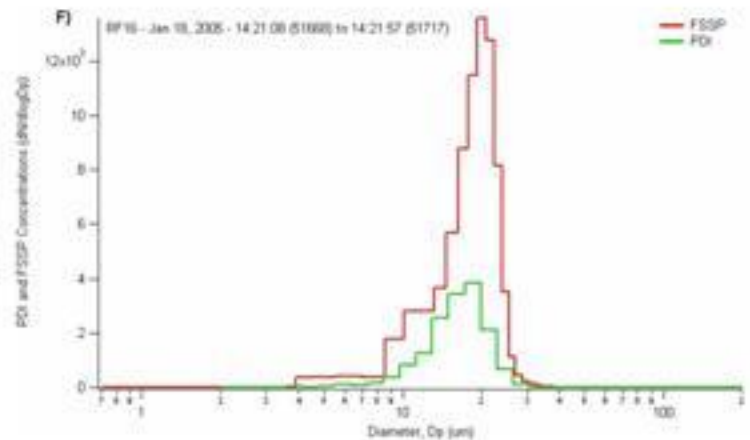
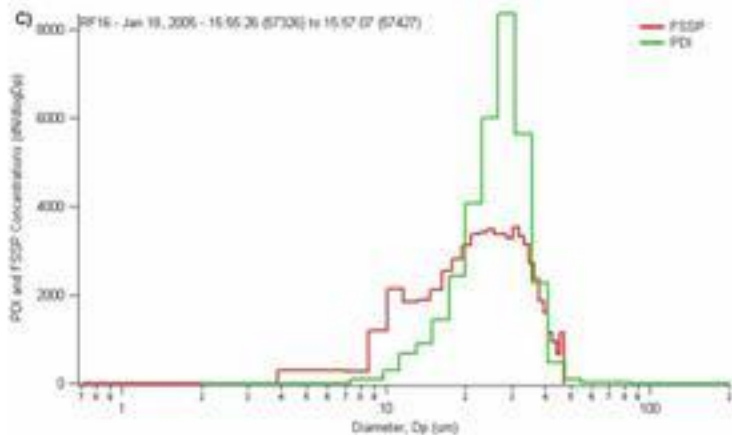
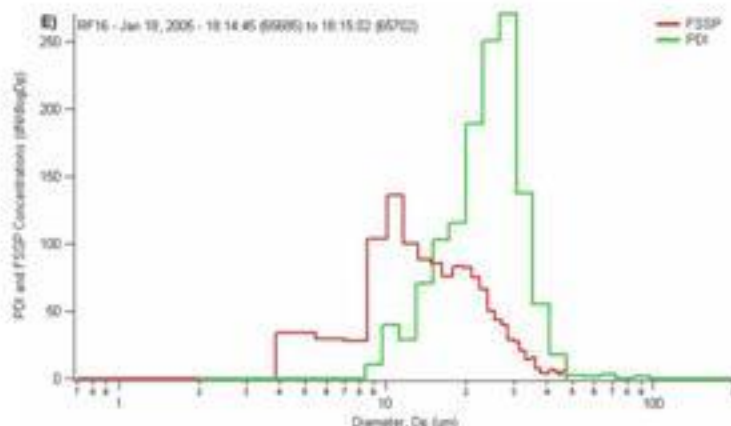
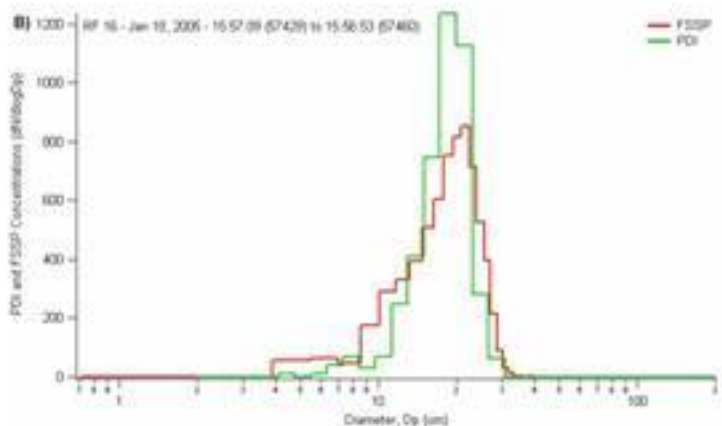
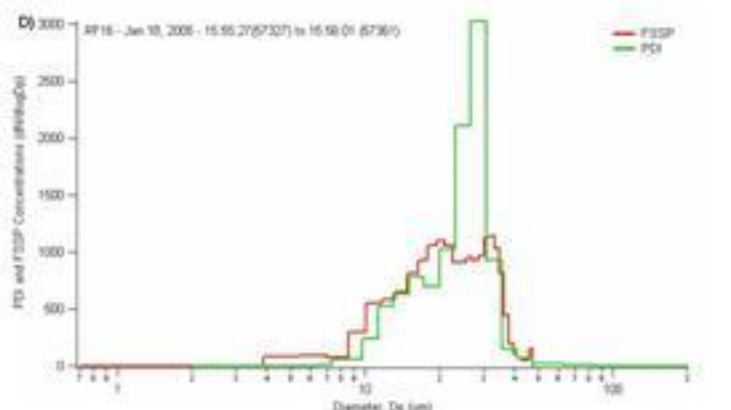
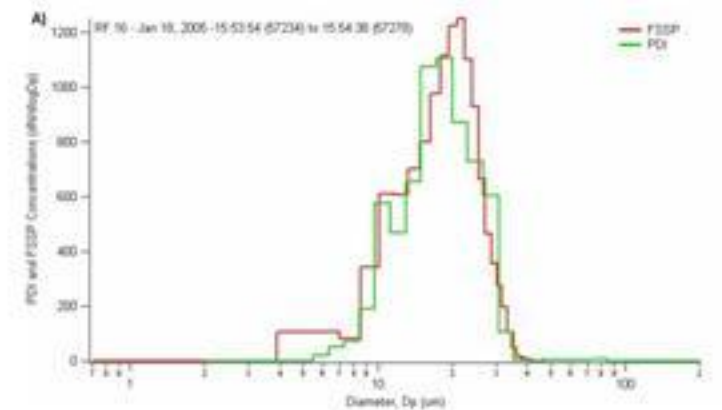
Data preliminaries

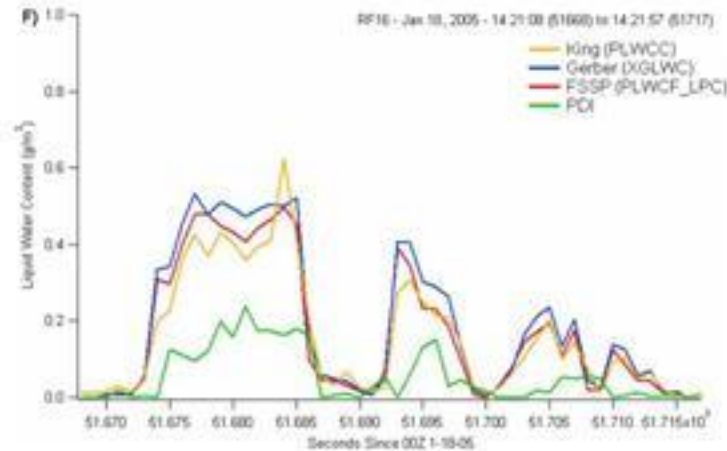
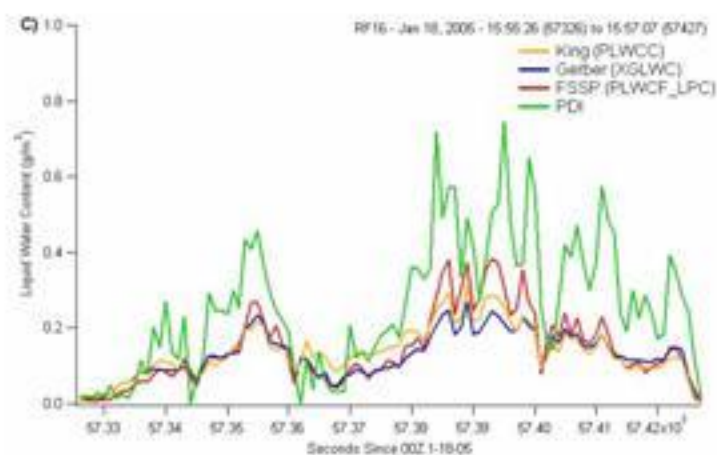
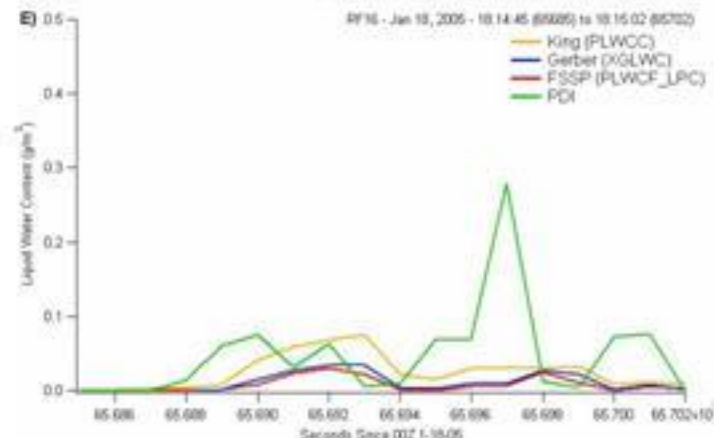
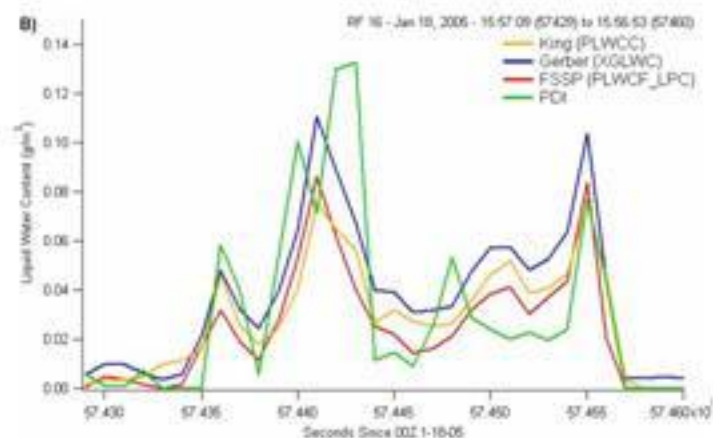
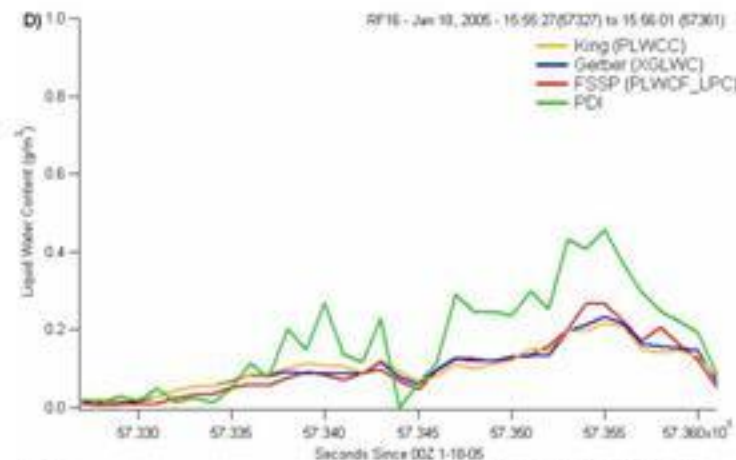
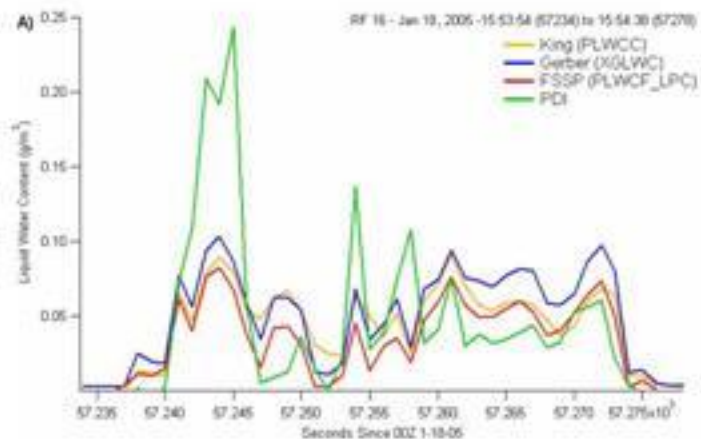
- Following spectra and LWC comparisons are for RF16.
- 6 periods labelled A to E are all chosen to be cloud but not precip.
- Spectra concentrations are plotted on both log and linear scales.

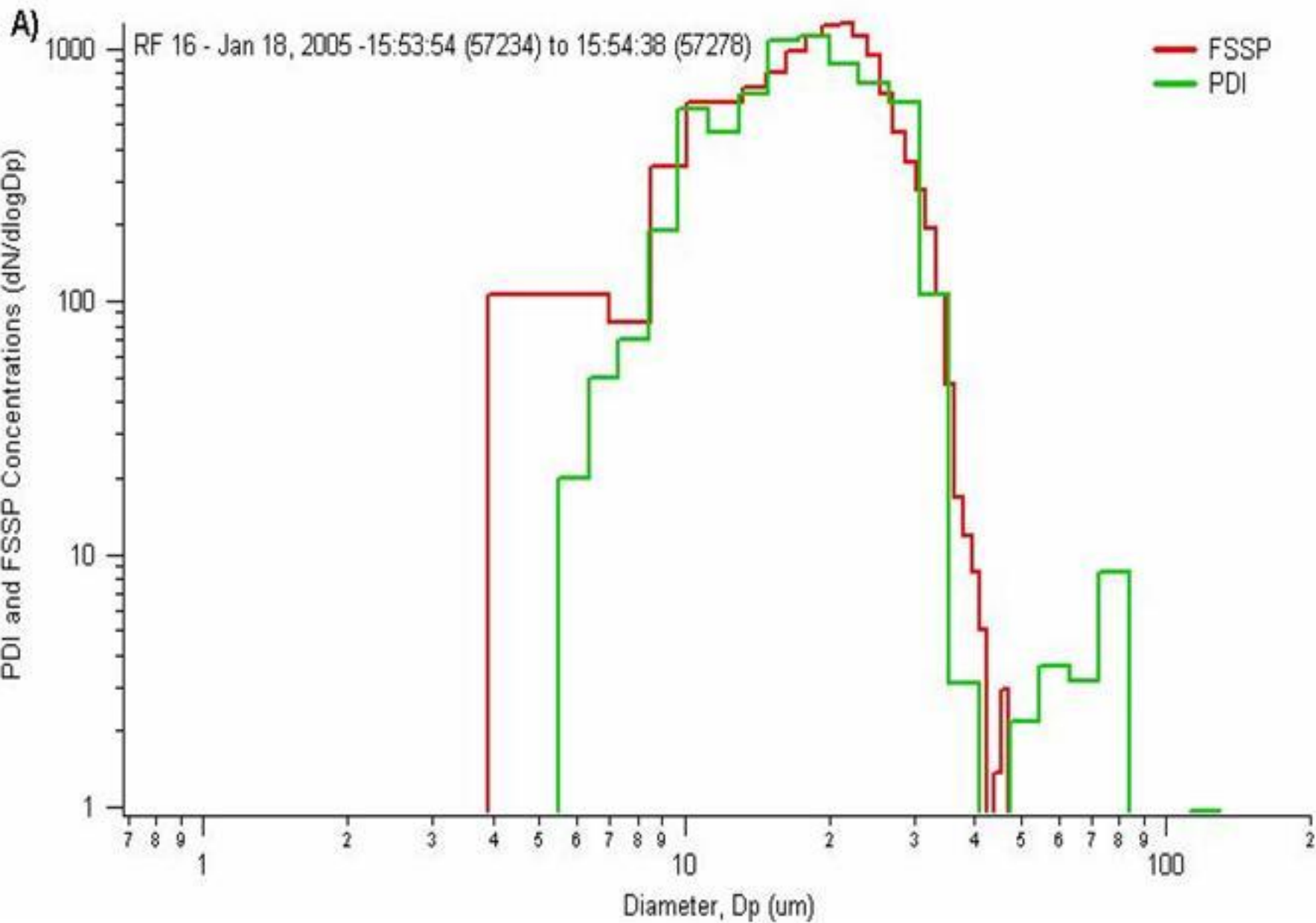
1-18-05 PDI and FSSP Concentration (dN/dlogDp) log y-axis plots

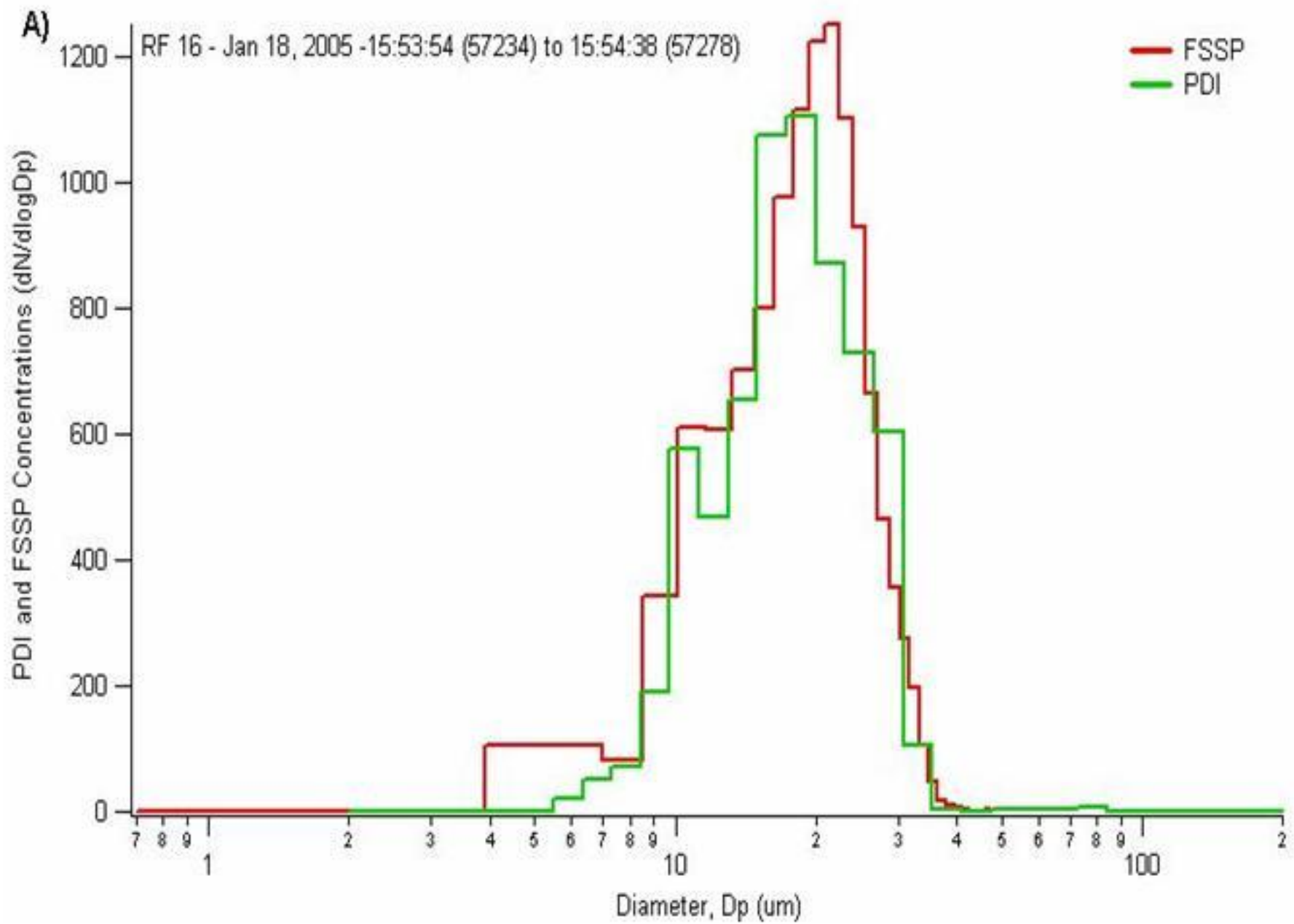


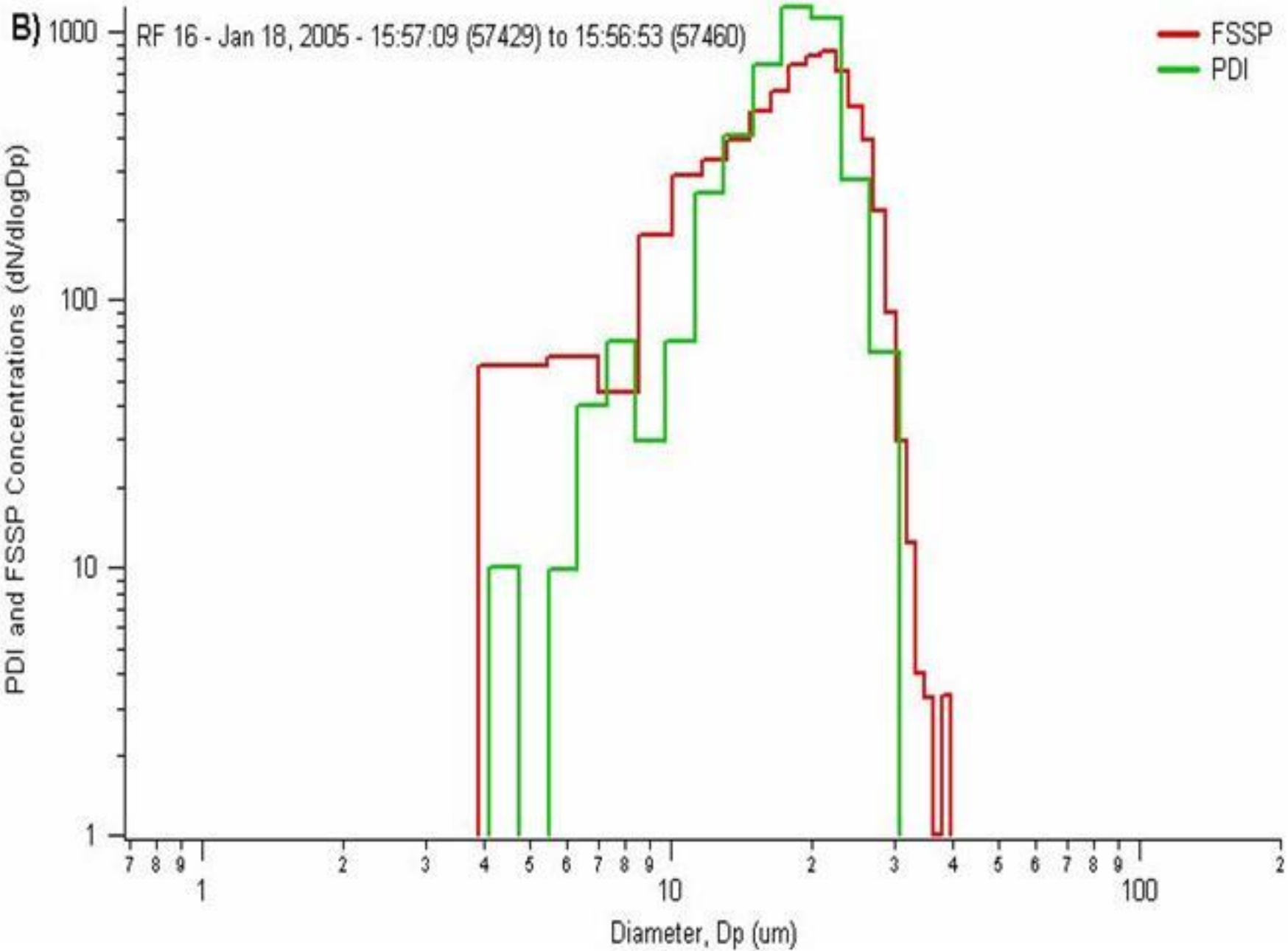
1-18-05 PDI and FSSP Concentration (dN/dlogDp) linear y-axis plots

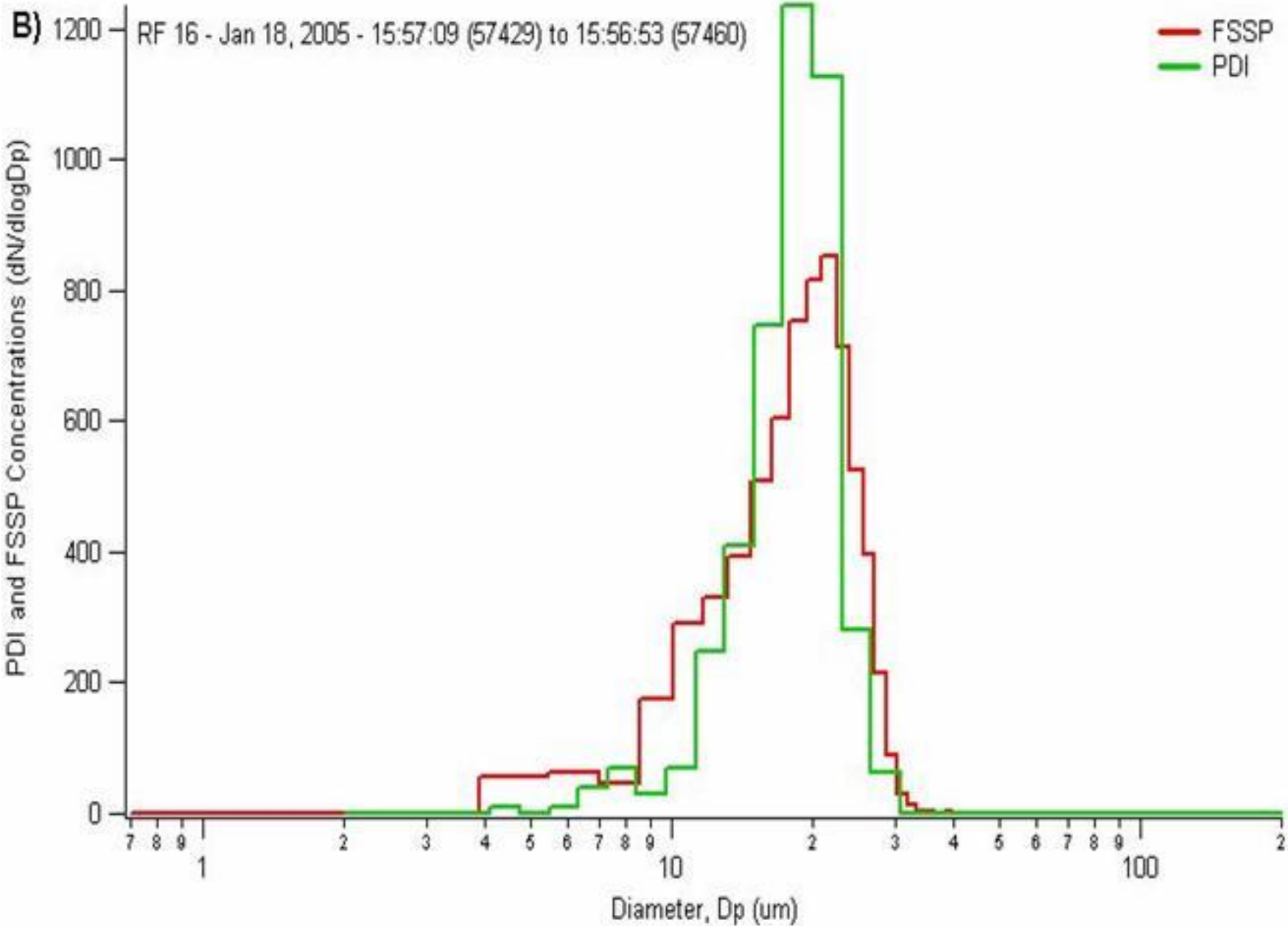












C)

RF16 - Jan 18, 2005 - 15:55:26 (57326) to 15:57:07 (57427)

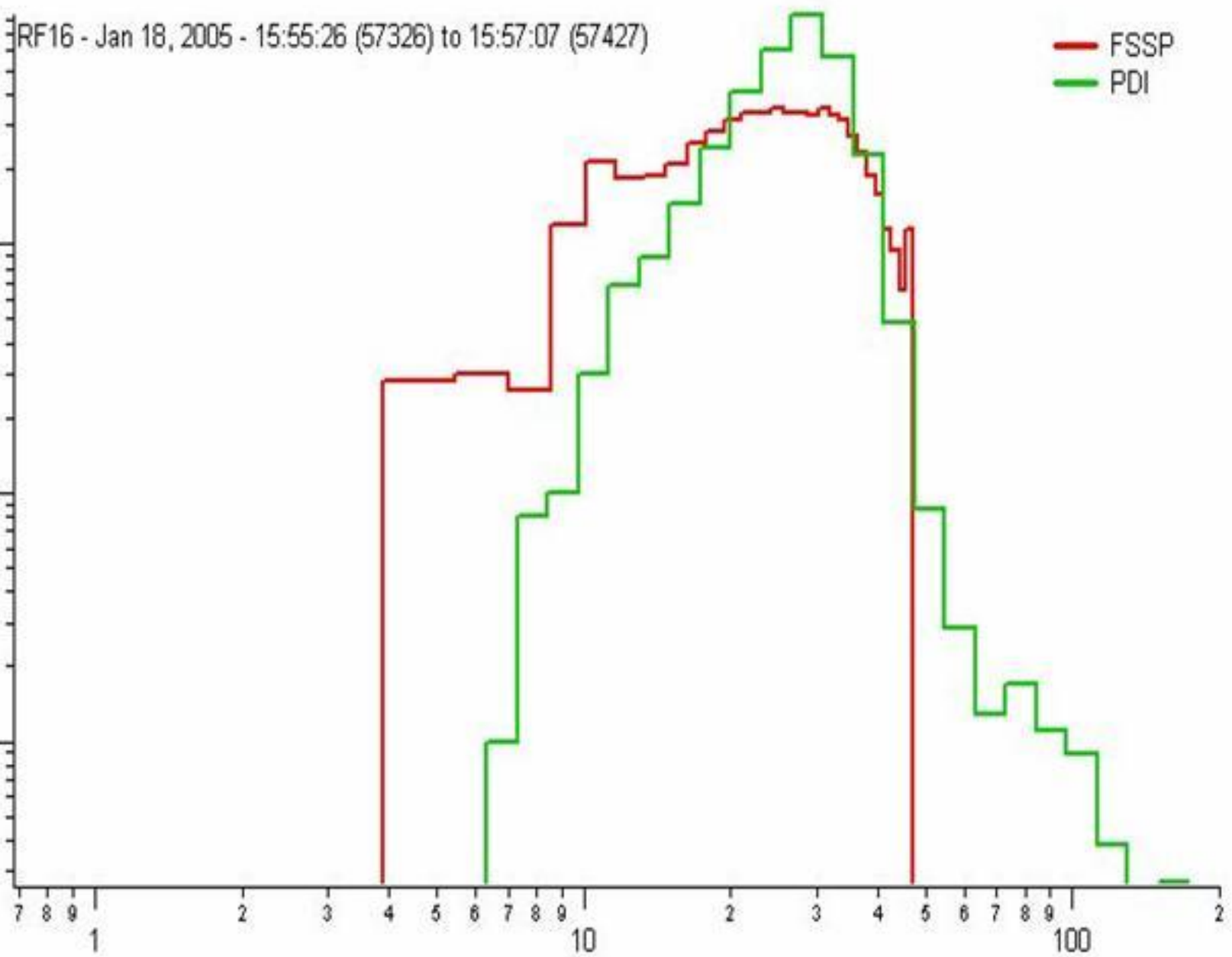
FSSP
PDI

PDI and FSSP Concentrations (dN/dlogDp)

1000
100
10

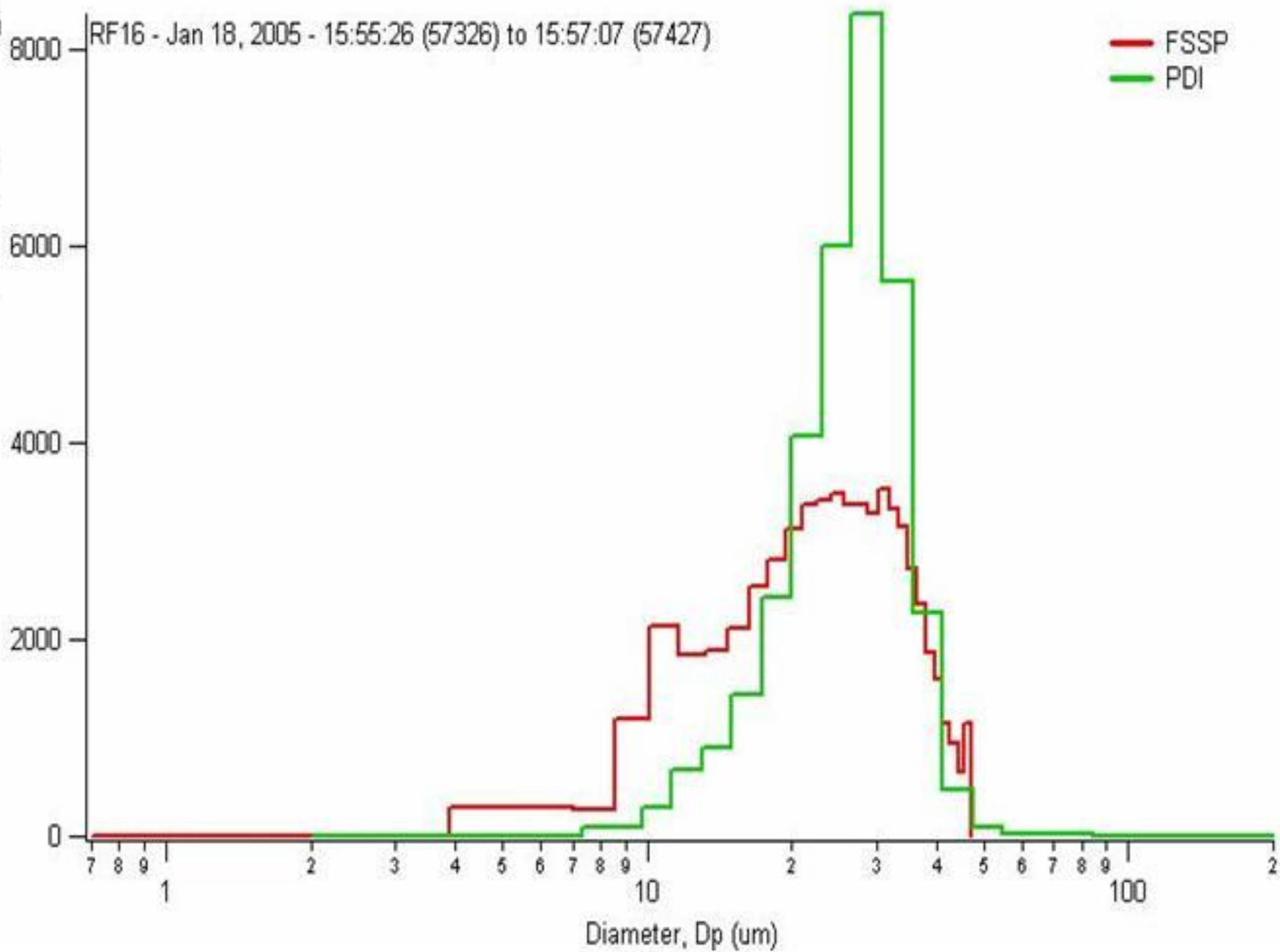
7 8 9 1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 100 2

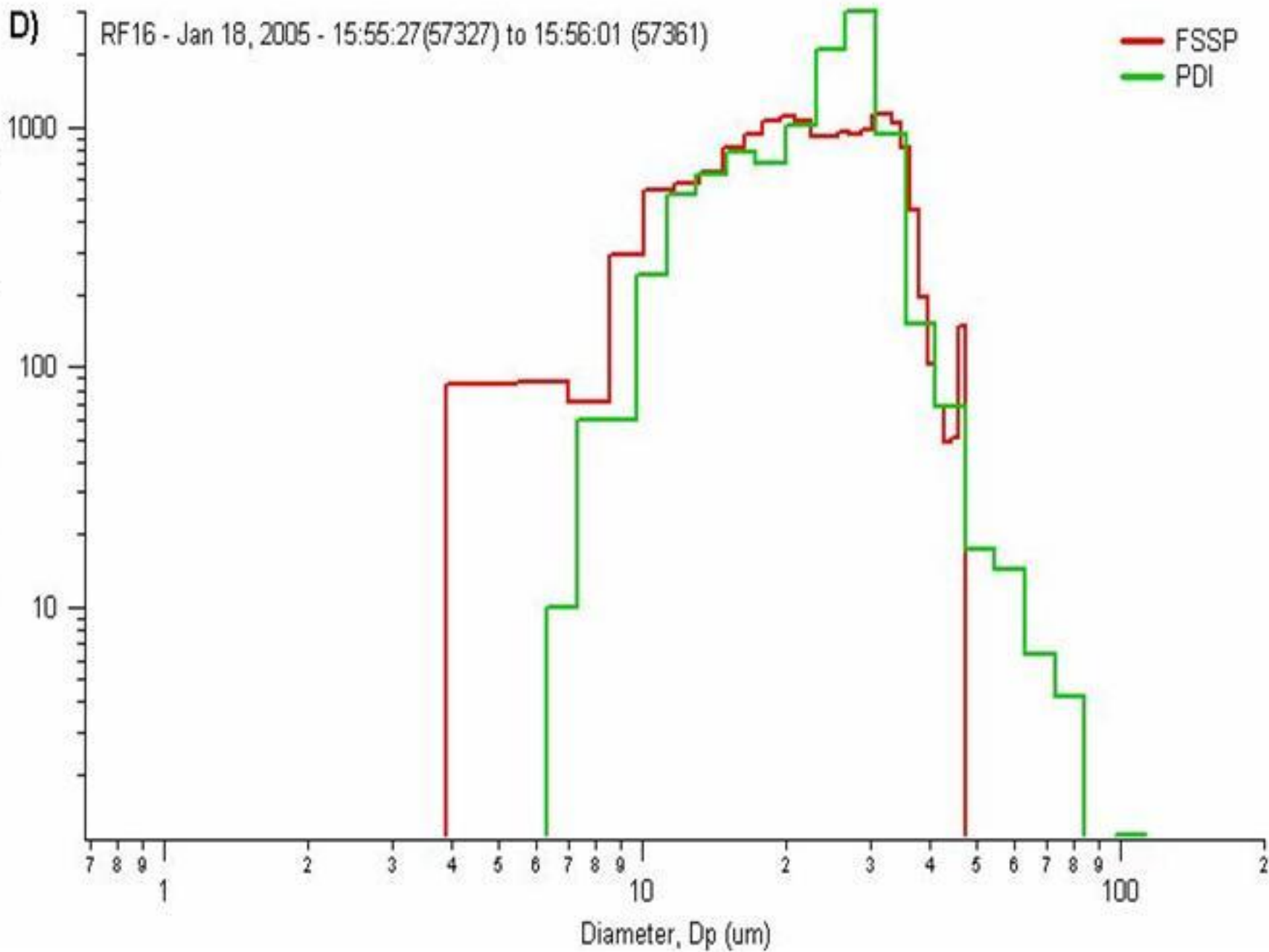
Diameter, Dp (um)

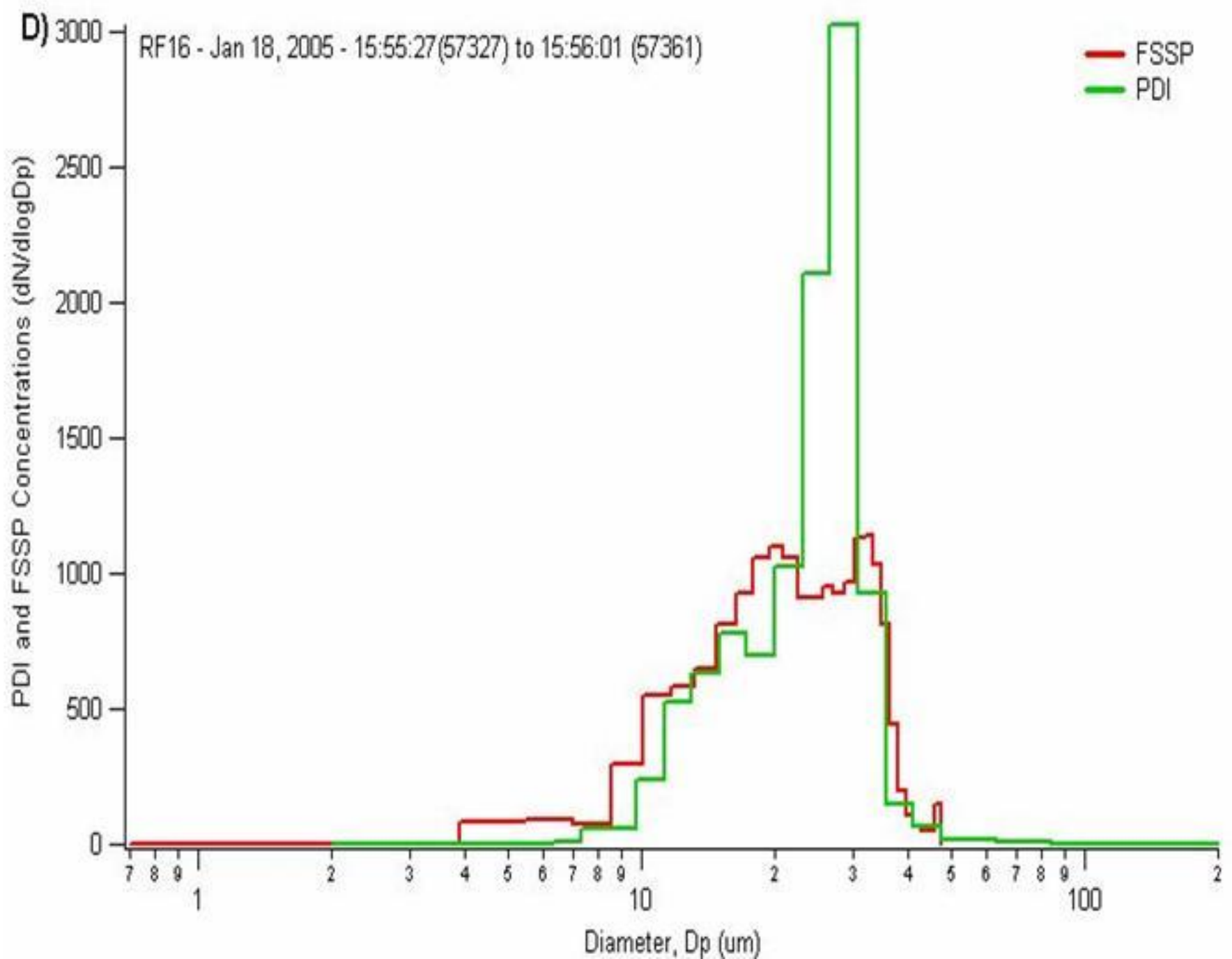


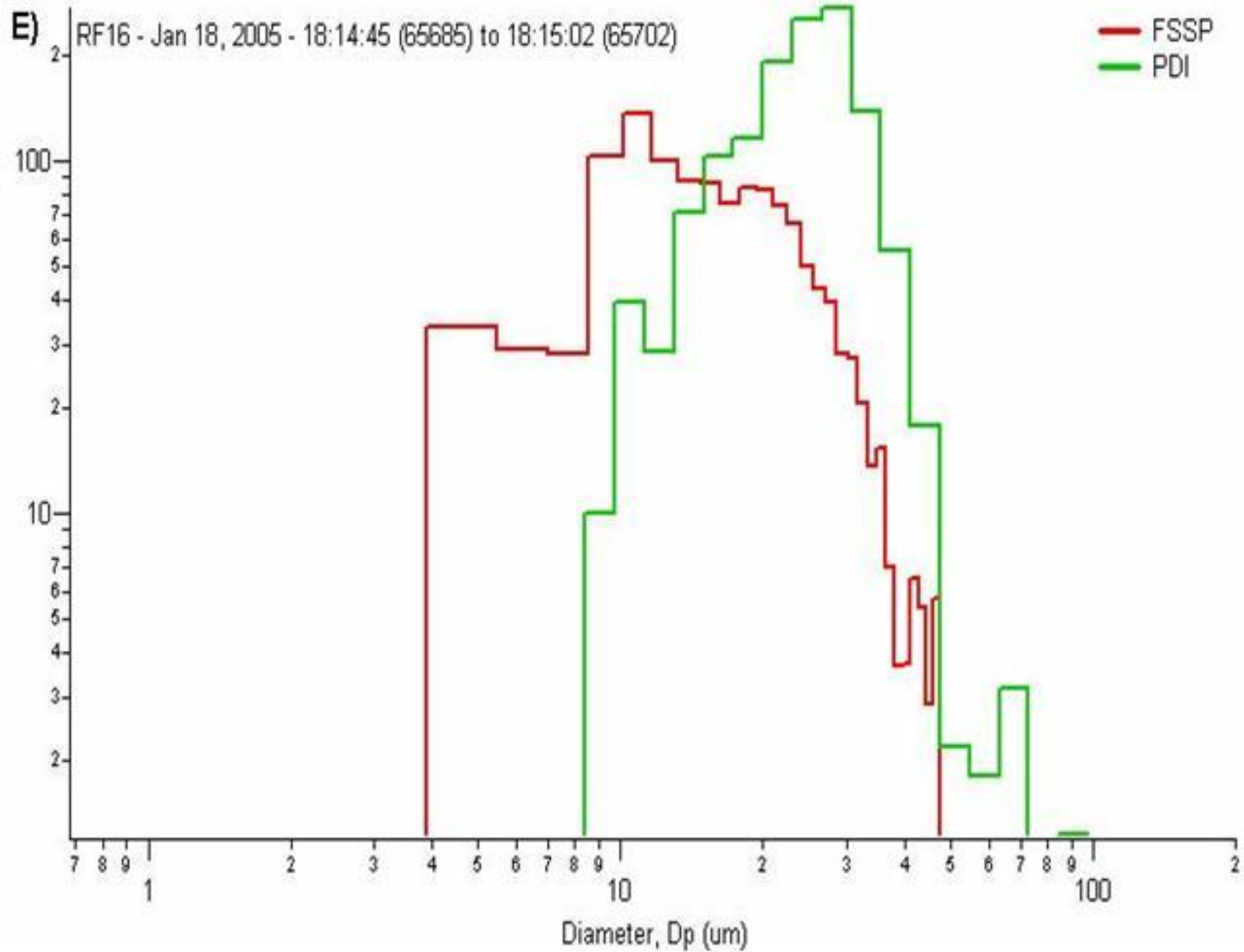
C) RF16 - Jan 18, 2005 - 15:55:26 (57326) to 15:57:07 (57427)

PDI and FSSP Concentrations (dN/dlogDp)



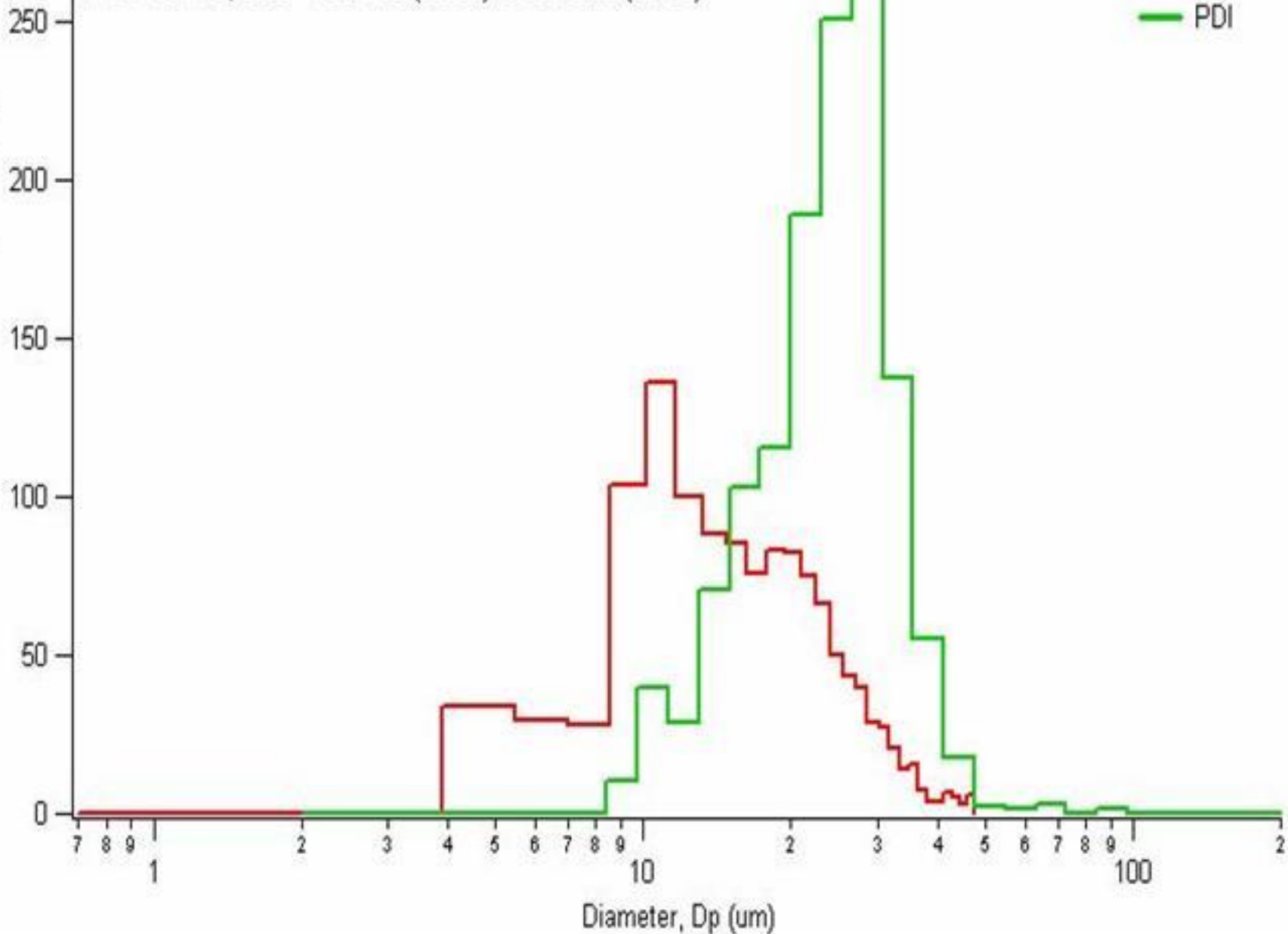


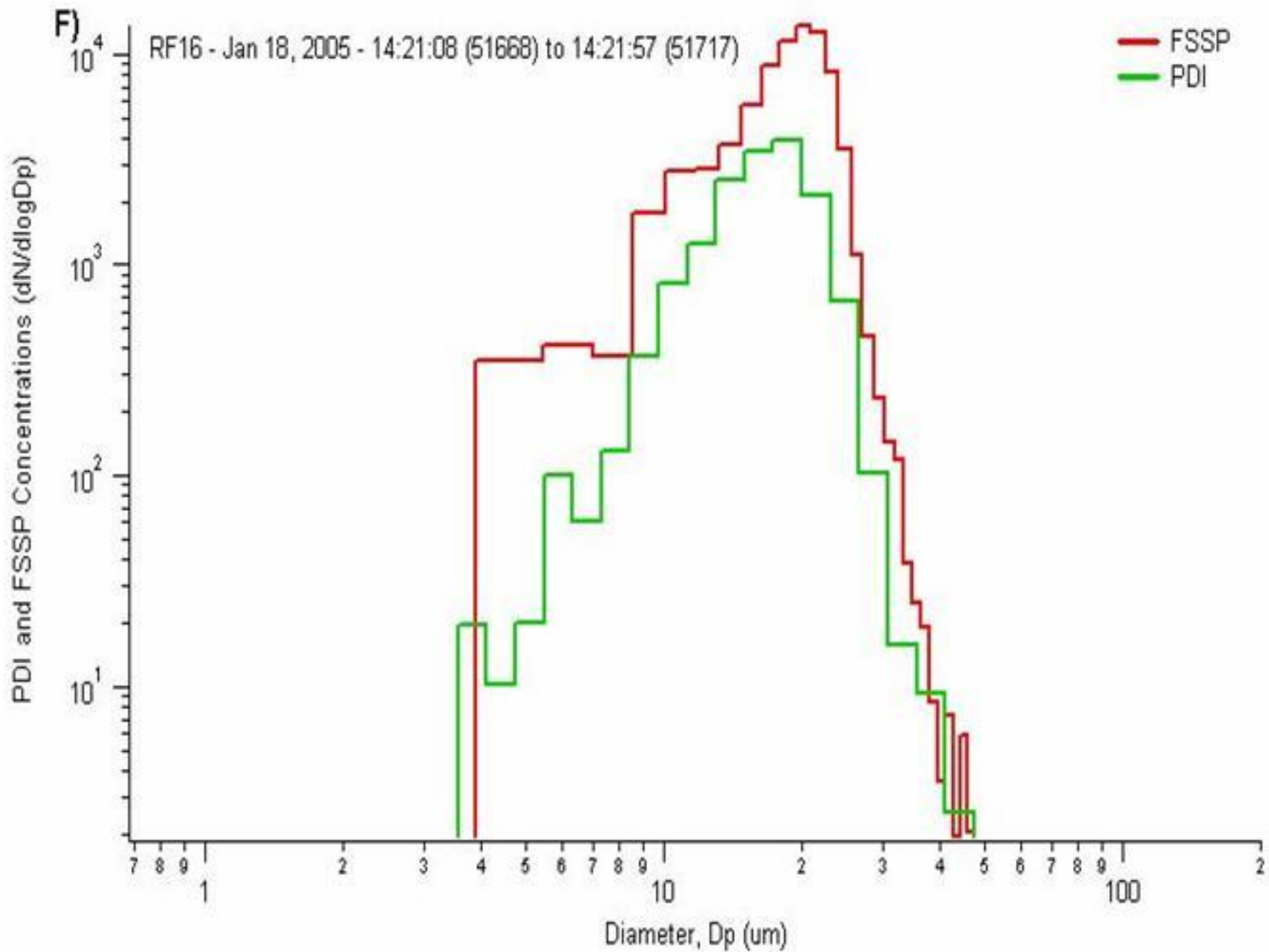




E) RF16 - Jan 18, 2005 - 18:14:45 (65685) to 18:15:02 (65702)

PDI and FSSP Concentrations (dN/dlogDp)





F)

RF16 - Jan 18, 2005 - 14:21:08 (51668) to 14:21:57 (51717)

PDI and FSSP Concentrations (dN/dlogDp)

FSSP
PDI

12×10^3

10

8

6

4

2

0

7

8

9

1

2

3

4

5

6

7

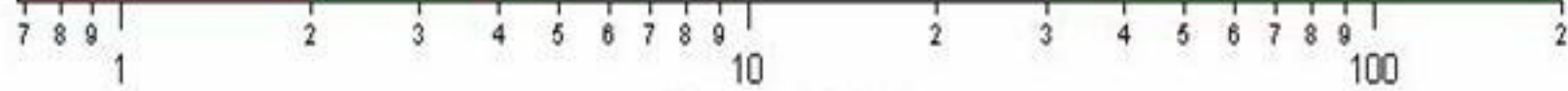
8

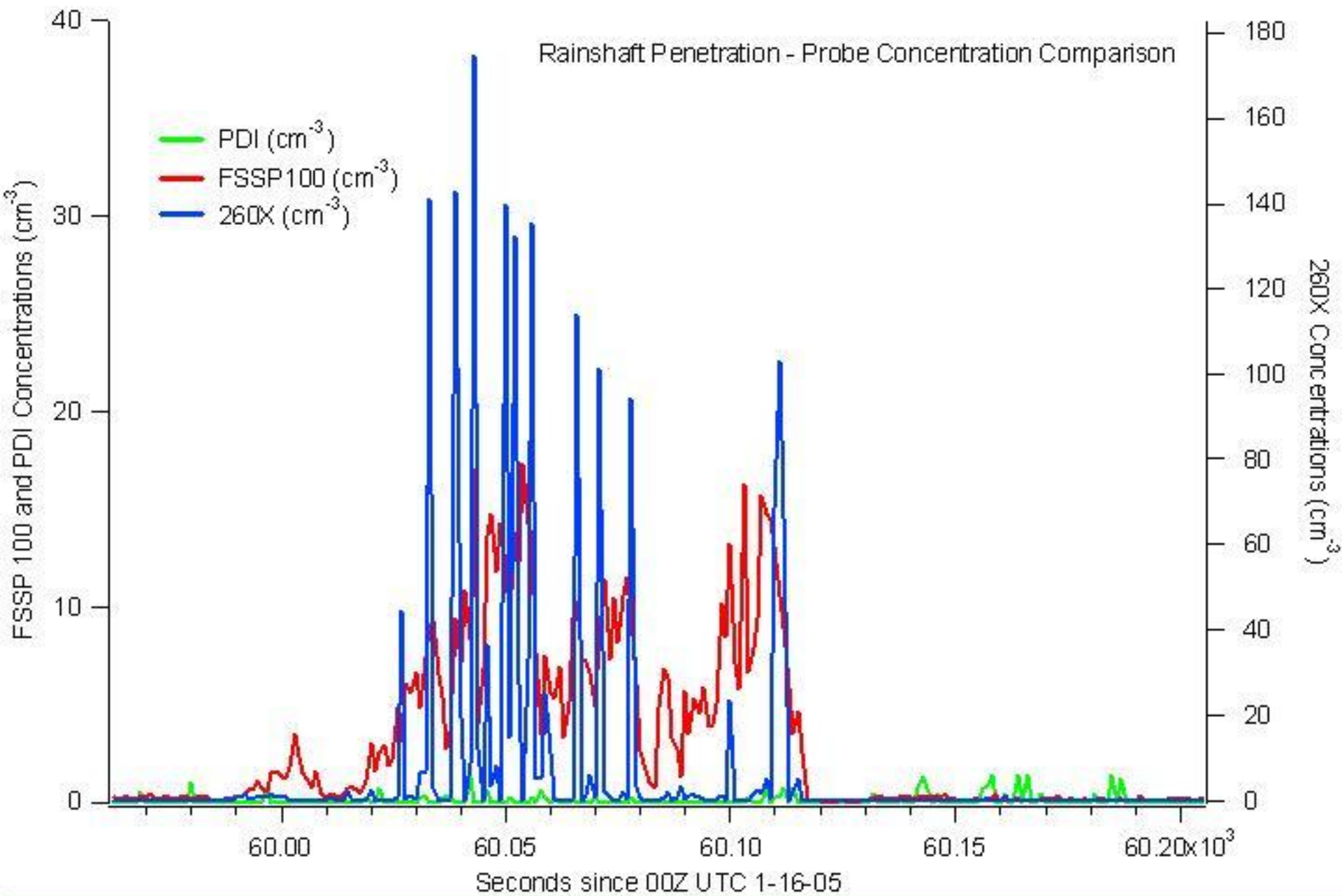
9

100

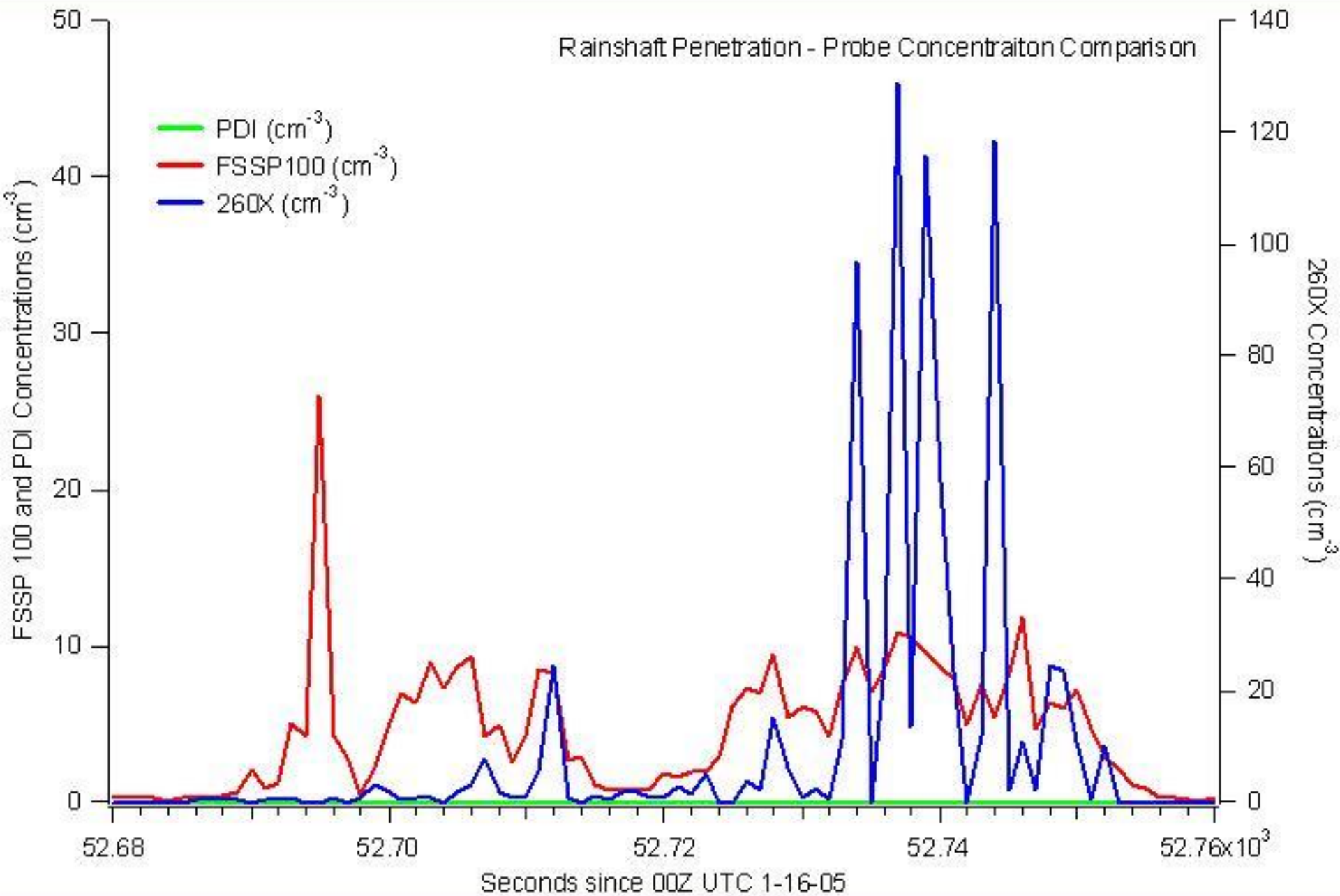
2

Diameter, Dp (um)





PDI sees no small drops in rain shafts!



PDI sees no small drops in rain shafts!

