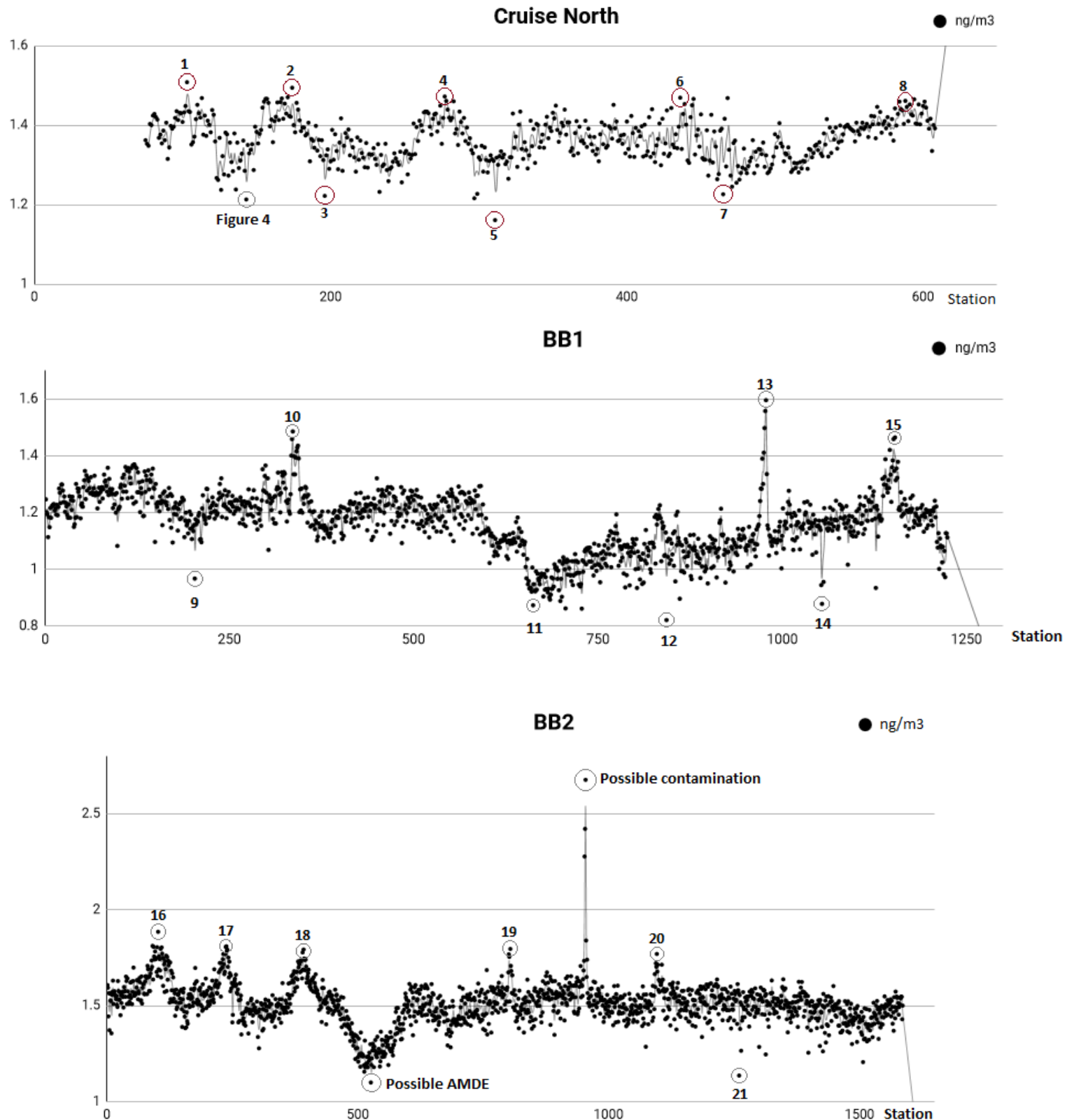


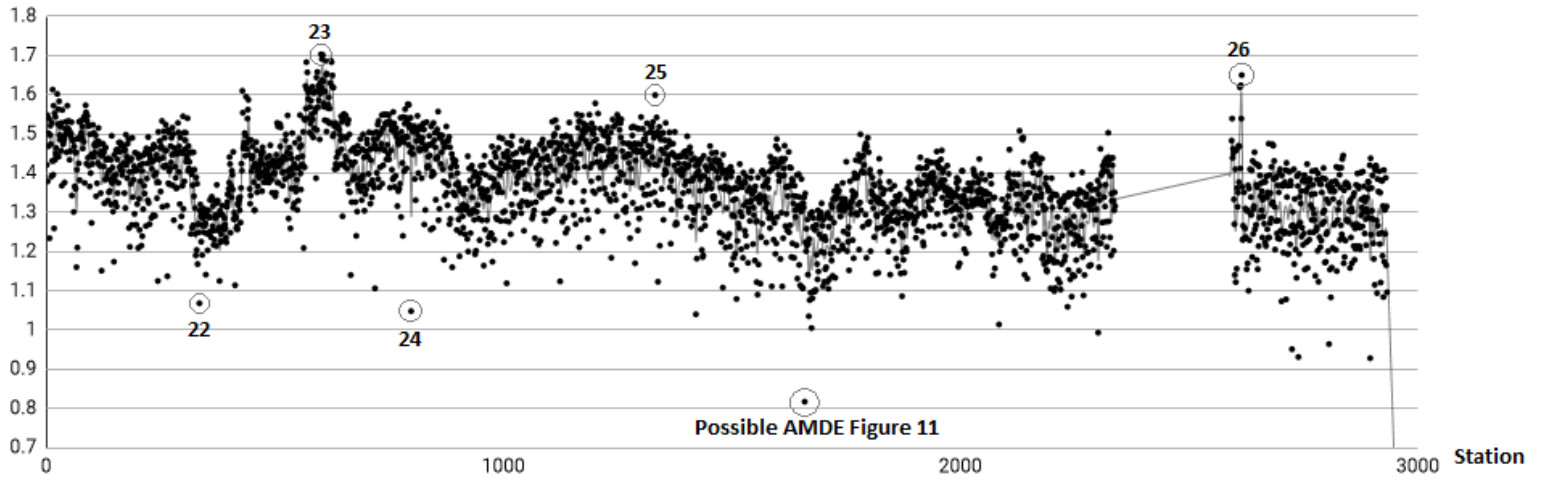
Supplementary Material for “Ship Based Measurements of Seasonal Atmospheric Mercury Concentrations over the Baltic Sea”

The numbers in the graphs North Cruise, BB1-3 and South Cruise correspond to pictures and concentrations listed after the graphs under the same title.



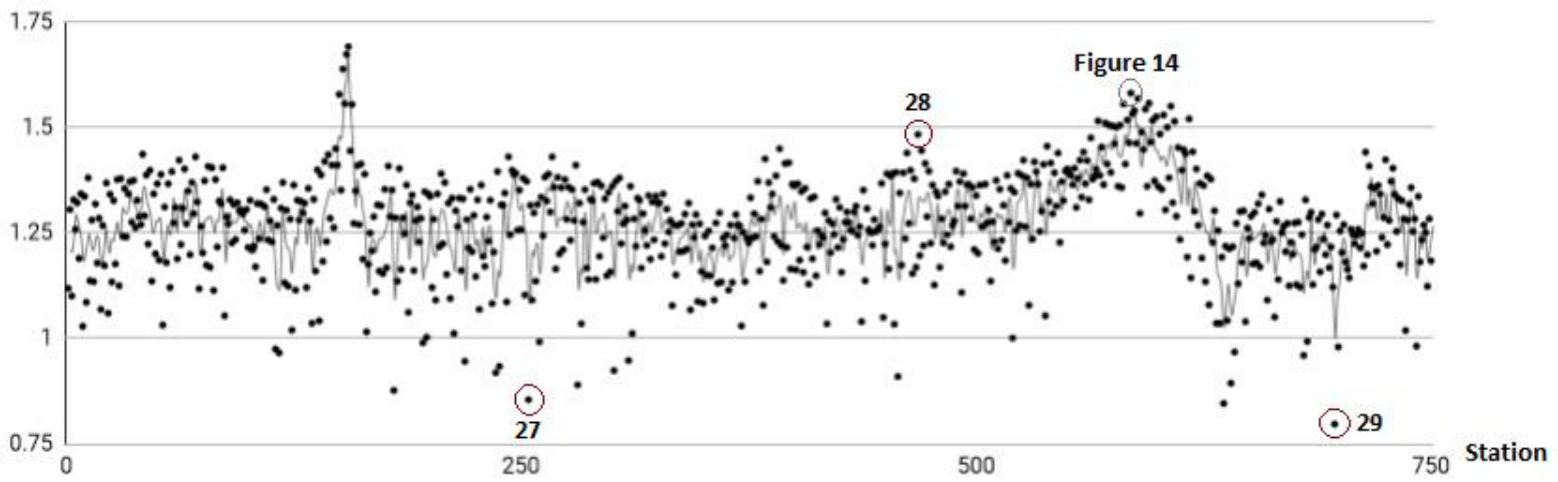
BB3

● ng/m³



South Cruise

● ng/m³



North Cruise

1. 1.508 ng/m³
2. 1.494 ng/m³
3. 1.222 ng/m³
4. 1.472 ng/m³
5. 1.161 ng/m³
6. 1.469 ng/m³
7. 1.226 ng/m³
8. 1.461 ng/m³

1 Backward trajectory ending at 2000 UTC 02 Dec 16
GDAS Meteorological Data



2 Backward trajectory ending at 1300 UTC 03 Dec 16
GDAS Meteorological Data



3 Backward trajectory ending at 1700 UTC 03 Dec 16
GDAS Meteorological Data



4 Backward trajectory ending at 1200 UTC 04 Dec 16
GDAS Meteorological Data



5 Backward trajectory ending at 2000 UTC 04 Dec 16
GDAS Meteorological Data



6 Backward trajectory ending at 2300 UTC 05 Dec 15
GDAS Meteorological Data



7 Backward trajectory ending at 0600 UTC 06 Dec 16
GDAS Meteorological Data



8 Backward trajectory ending at 1000 UTC 07 Dec 16
GDAS Meteorological Data



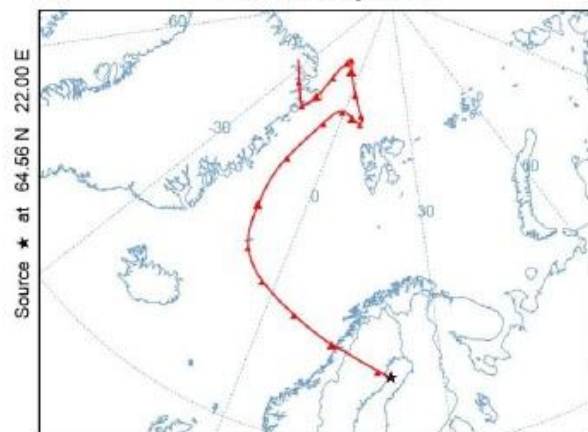
BB1

- 9. 0.976 ng/m³
- 10. 1.485 ng/m³
- 11. 0.873 ng/m³
- 12. 0.821 ng/m³
- 13. 1.595 ng/m³
- 14. 0.878 ng/m³
- 15. 1.458 ng/m³

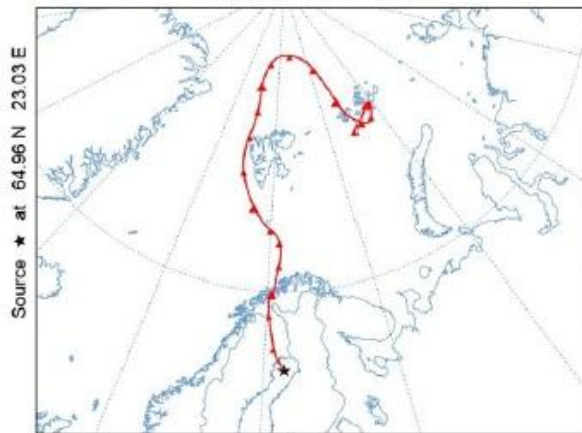
9 Backward trajectory ending at 0900 UTC 15 Mar 17
GDAS Meteorological Data



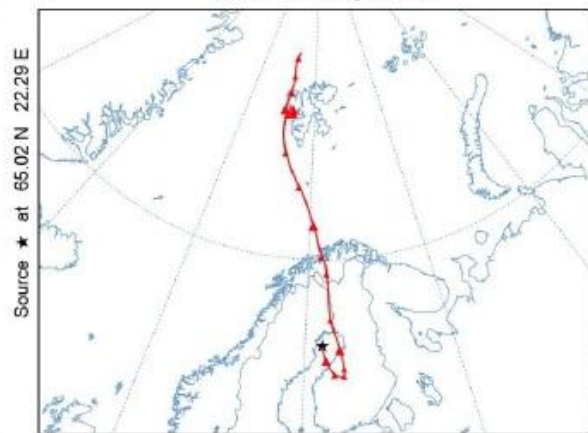
10 Backward trajectory ending at 0900 UTC 16 Mar 17
GDAS Meteorological Data



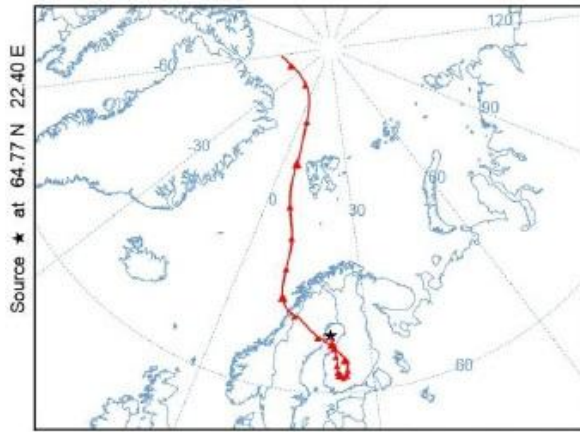
11 Backward trajectory ending at 1800 UTC 18 Mar 17
GDAS Meteorological Data



12 Backward trajectory ending at 0400 UTC 20 Mar 17
GDAS Meteorological Data



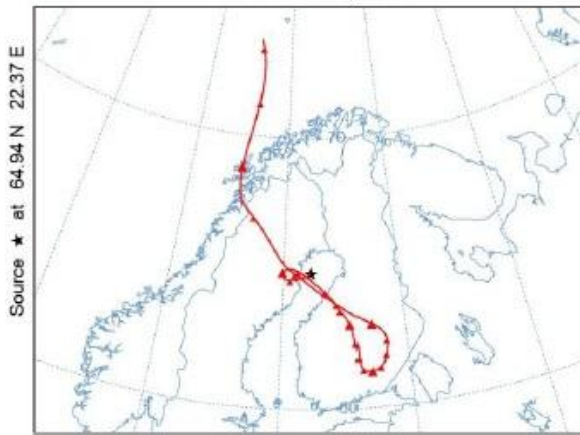
13 Backward trajectory ending at 0300 UTC 21 Mar 17
GDAS Meteorological Data



14 Backward trajectory ending at 1700 UTC 21 Mar 17
GDAS Meteorological Data



15 Backward trajectory ending at 1100 UTC 22 Mar 17
GDAS Meteorological Data



BB2

16. 1.884 ng/m³

17. 1.809 ng/m³

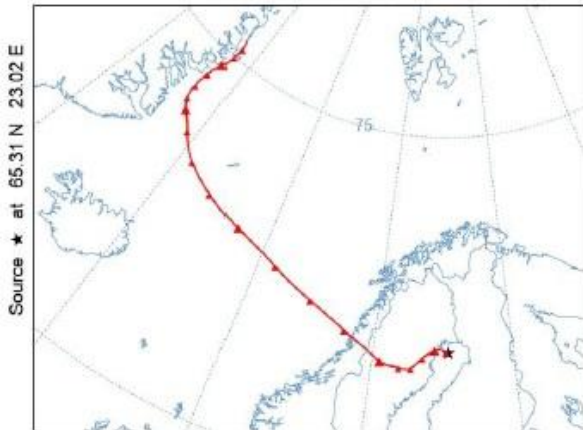
18. 1.777 ng/m³

19. 1.795 ng/m³

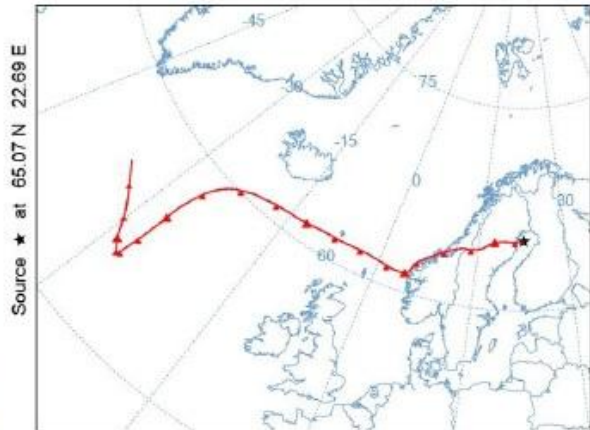
20. 1.769 ng/m³

21. 1.136 ng/m³

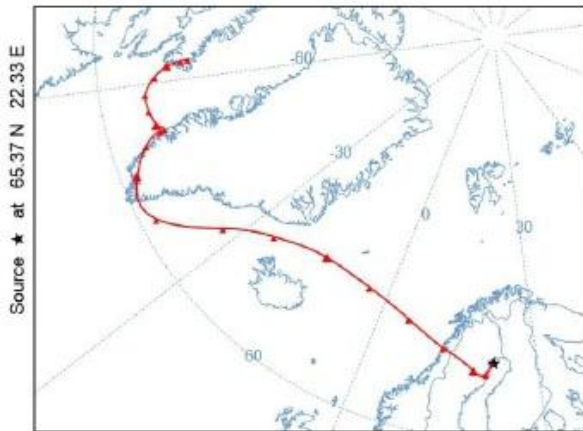
16 Backward trajectory ending at 0700 UTC 25 Mar 17
GDAS Meteorological Data



17 Backward trajectory ending at 0800 UTC 26 Mar 17
GDAS Meteorological Data



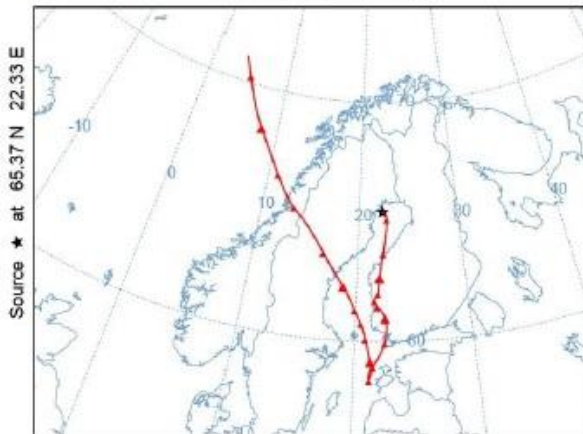
18 Backward trajectory ending at 1100 UTC 27 Mar 17
GDAS Meteorological Data



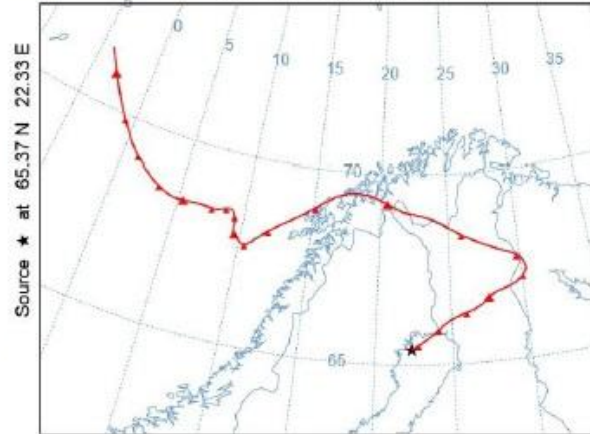
19 Backward trajectory ending at 1300 UTC 30 Mar 17
GDAS Meteorological Data



20 Backward trajectory ending at 1600 UTC 01 Apr 17
GDAS Meteorological Data



21 Backward trajectory ending at 2100 UTC 02 Apr 17
GDAS Meteorological Data



BB3

22. 1.068 ng/m³

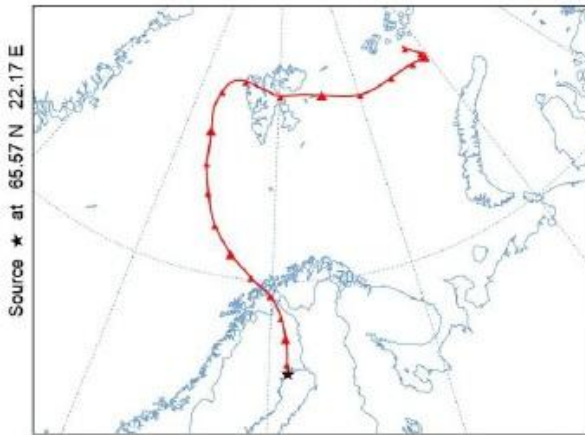
23. 1.703 ng/m³

24. 1.048 ng/m³

25. 1.599 ng/m³

26. 1.650 ng/m³

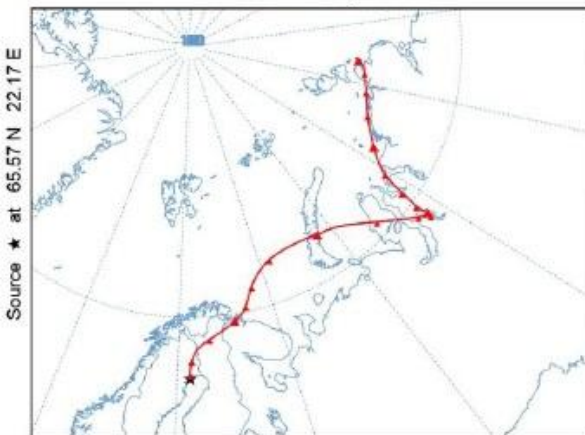
22 Backward trajectory ending at 1100 UTC 08 Apr 17
GDAS Meteorological Data



23 Backward trajectory ending at 1000 UTC 10 Apr 17
GDAS Meteorological Data



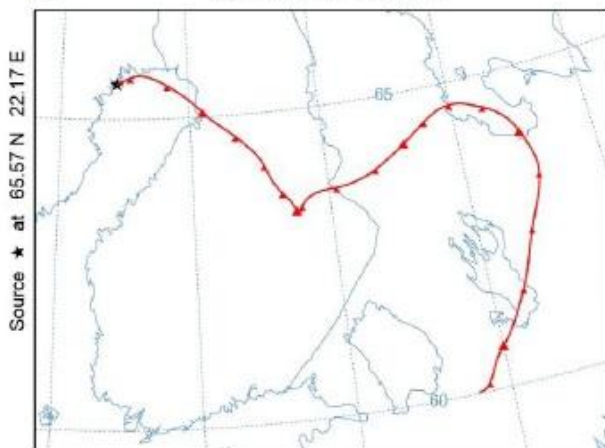
24 Backward trajectory ending at 2200 UTC 11 Apr 17
GDAS Meteorological Data



25 Backward trajectory ending at 2200 UTC 15 Apr 17
GDAS Meteorological Data



26 Backward trajectory ending at 1400 UTC 25 Apr 17
GDAS Meteorological Data



South Cruise

27. 0.855 ng/m^3

28. 1.484 ng/m^3

29. 0.797 ng/m^3

