

Vedlegg A:

Grafisk presentasjon av time- og døgnmiddeldata av luftkvalitetsparametre

Oslo

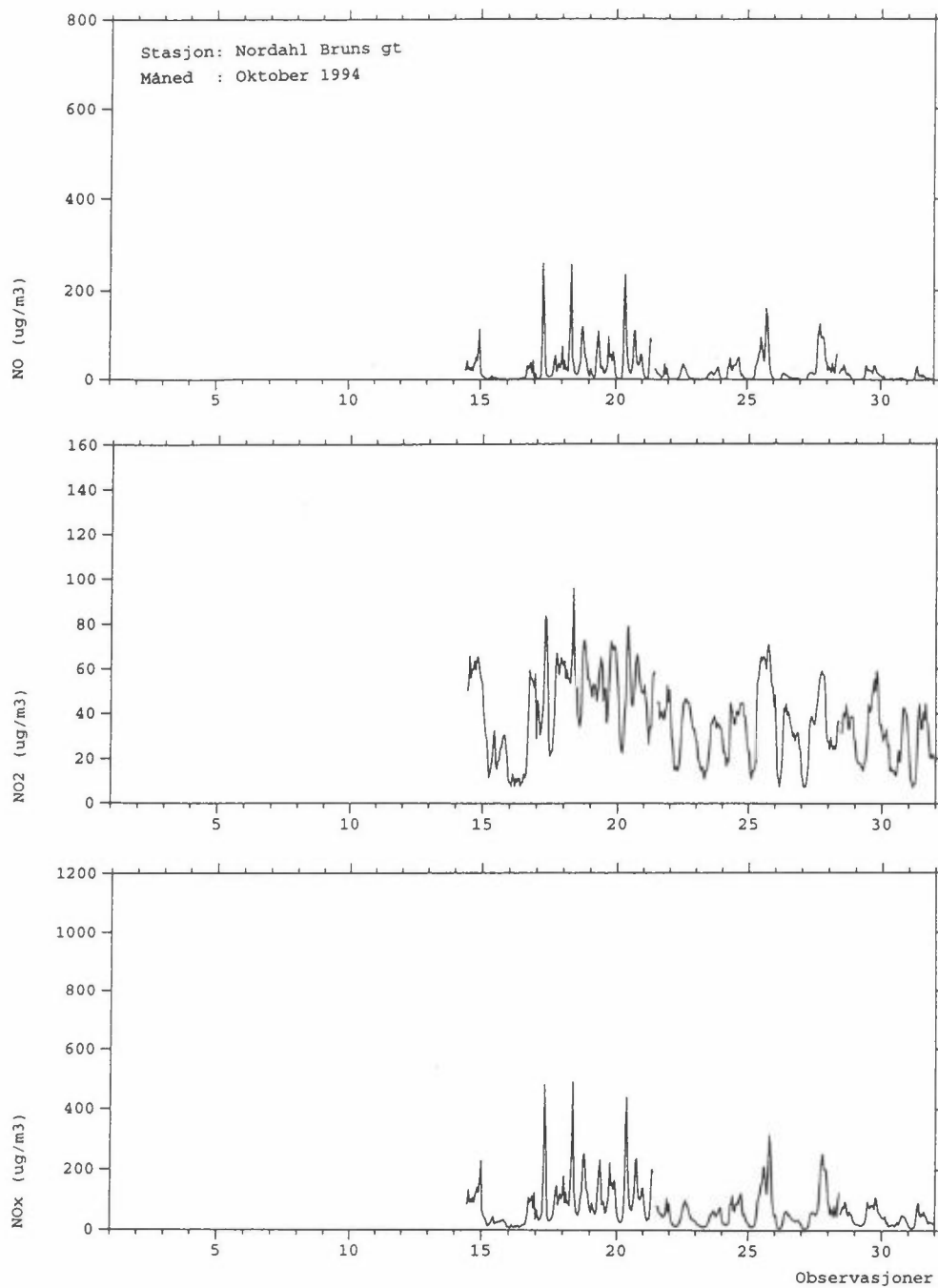
Nordahl Bruns gate, oktober 1994-mars 1995

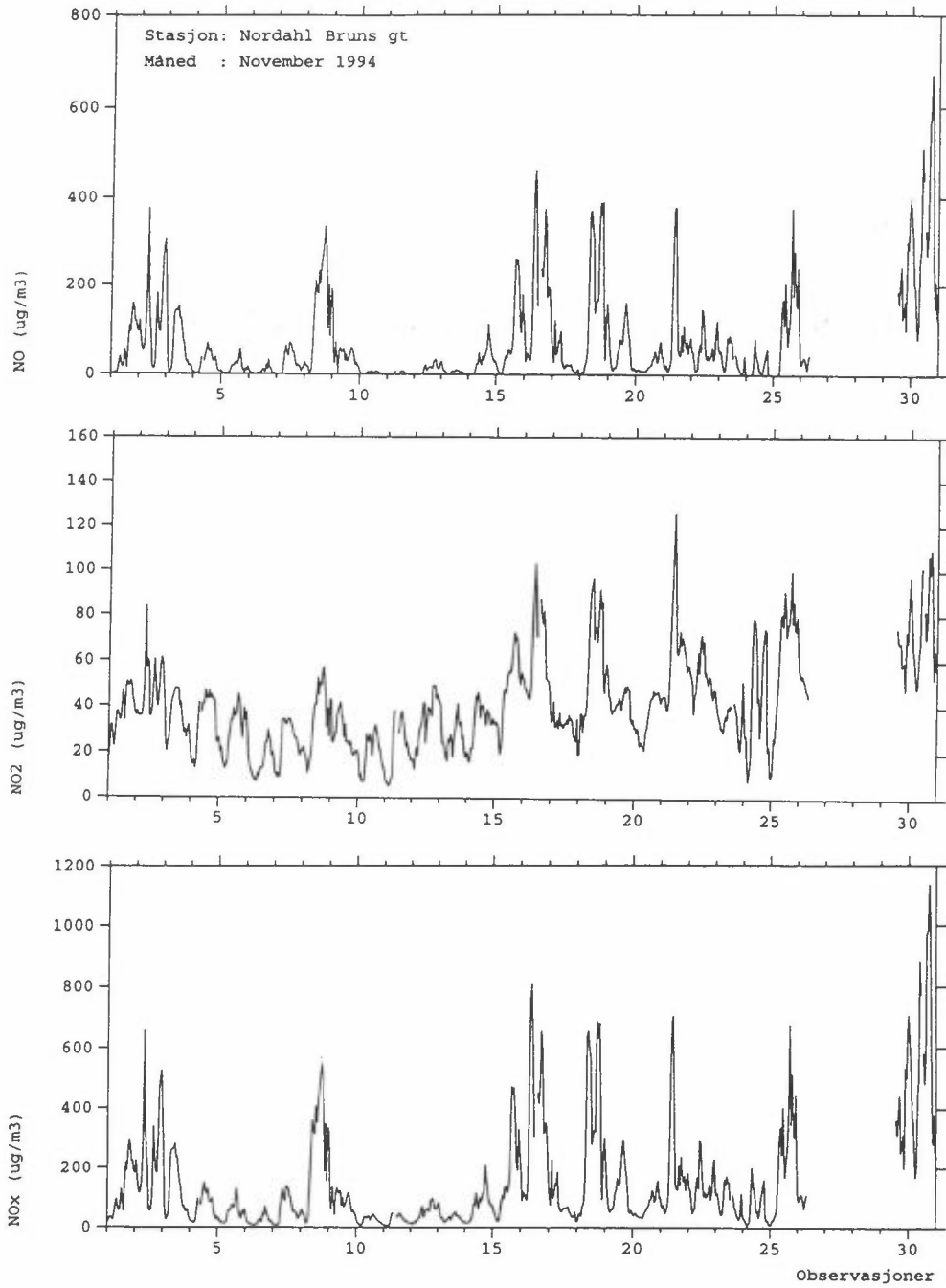
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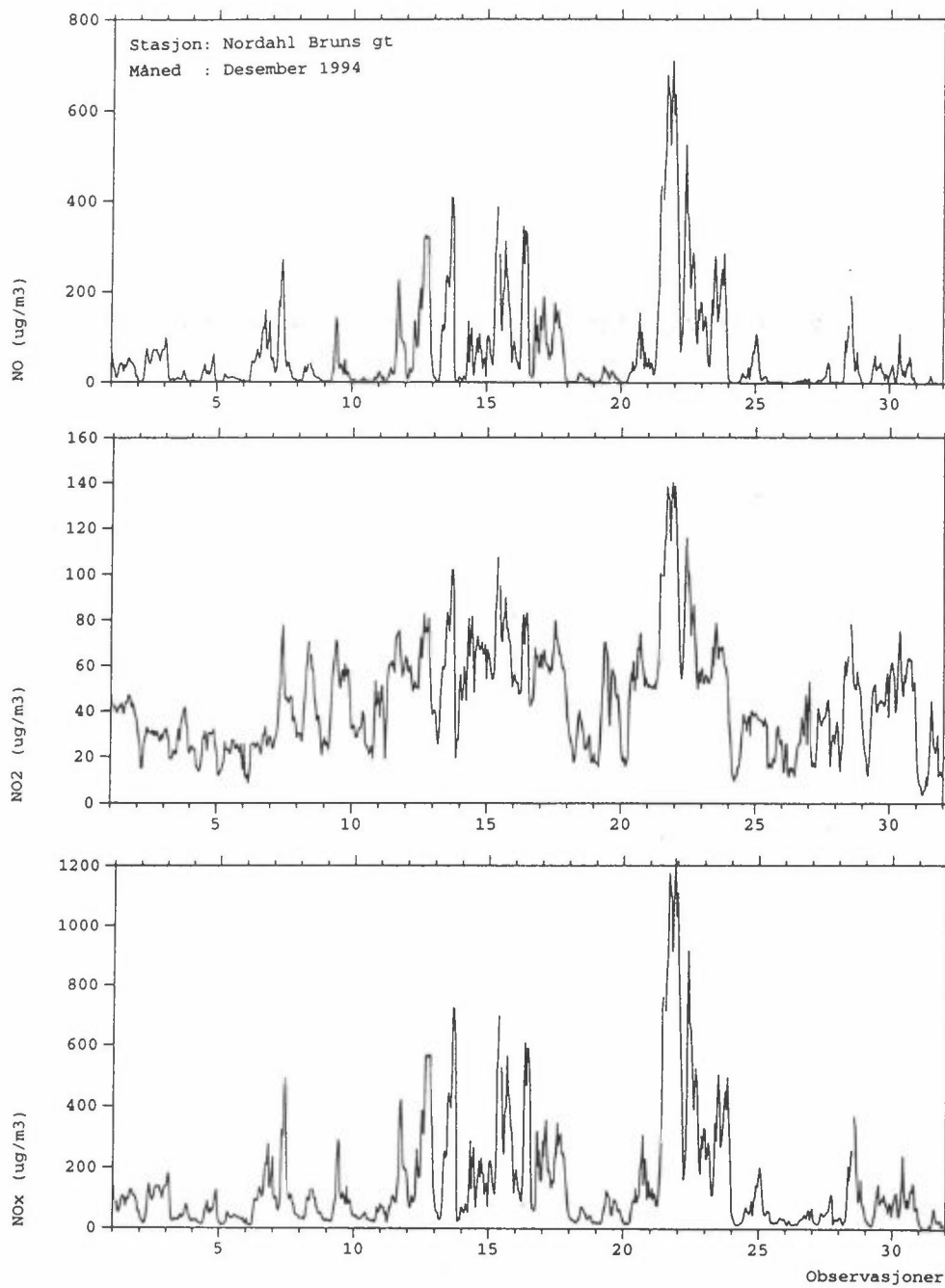
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NO ₂	($\mu\text{g}/\text{m}^3$)
NO _x	($\mu\text{g NO}_2/\text{m}^3$)
PM _{2.5}	($\mu\text{g}/\text{m}^3$)
PM ₁₀	($\mu\text{g}/\text{m}^3$)

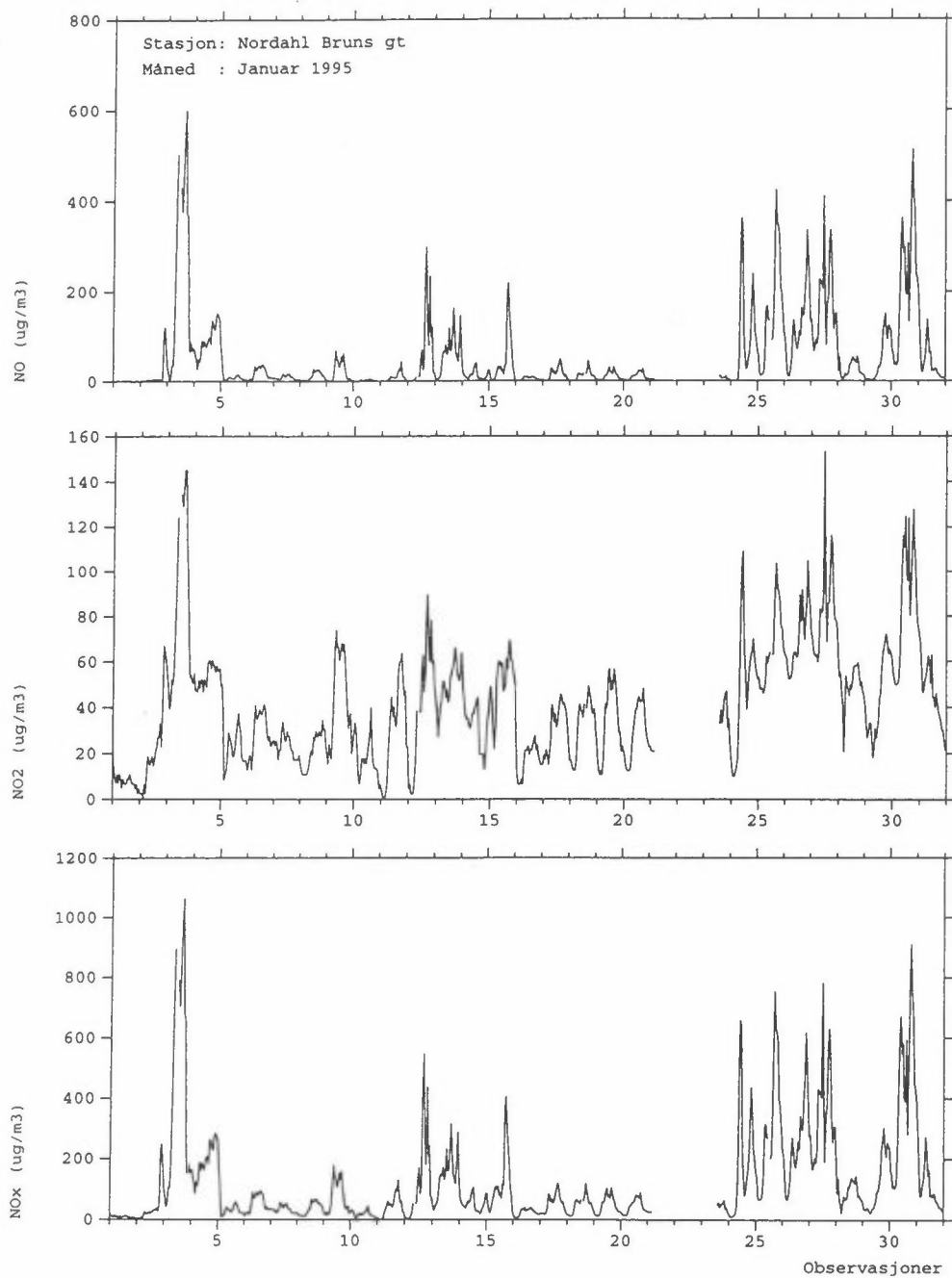
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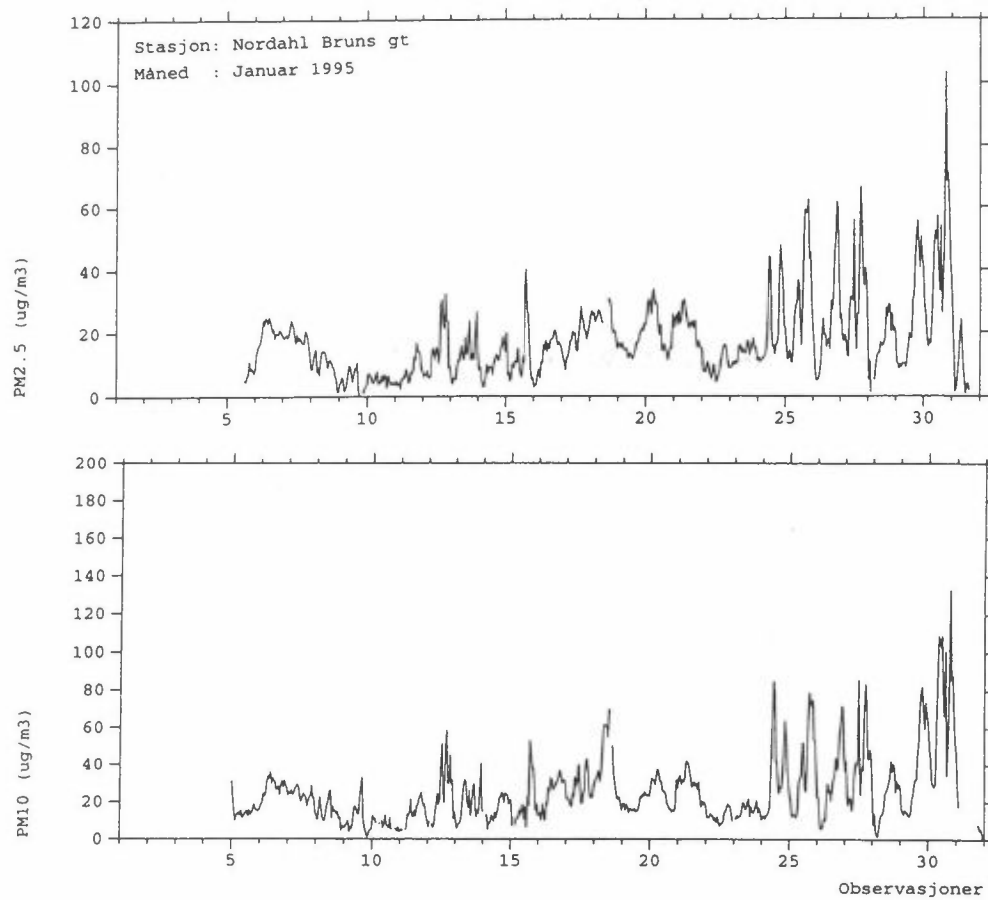
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PM _{2.5}	($\mu\text{g}/\text{m}^3$)
PM ₁₀	($\mu\text{g}/\text{m}^3$)

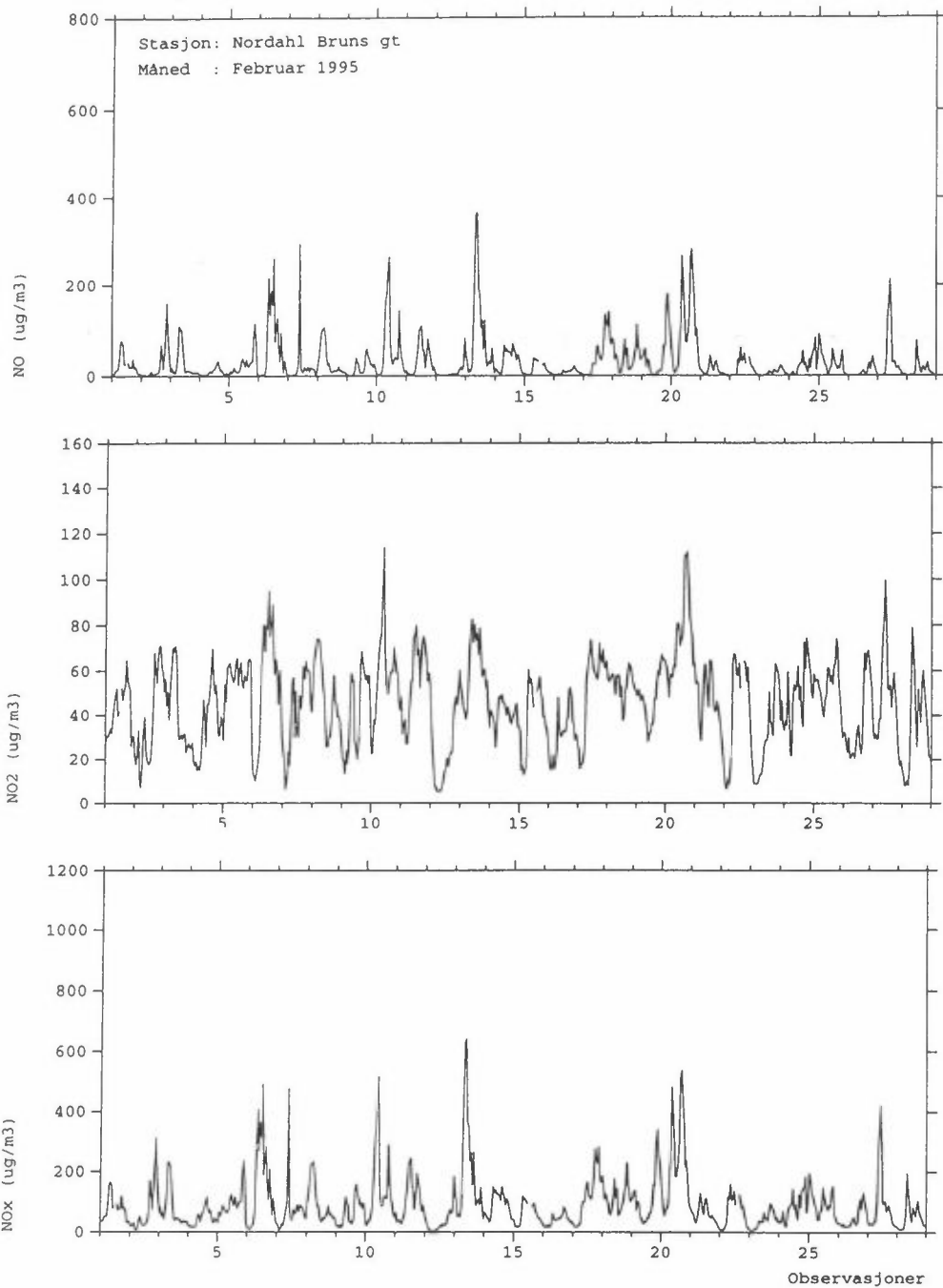


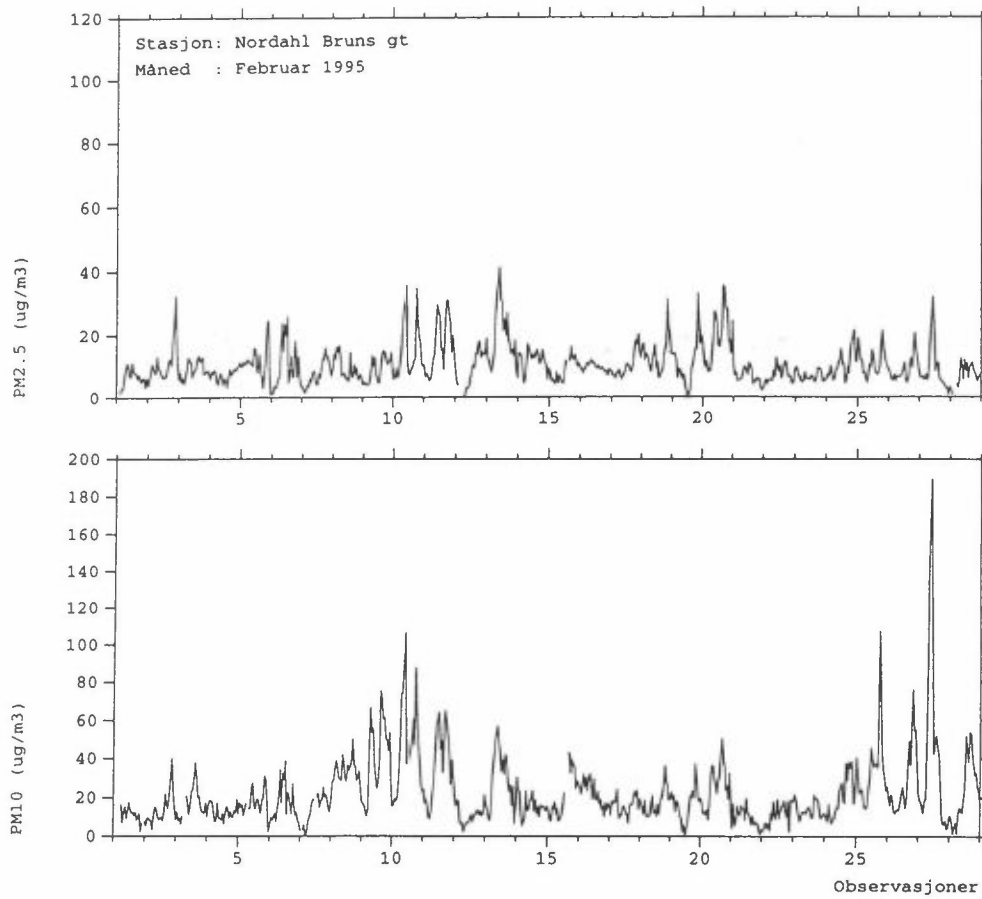


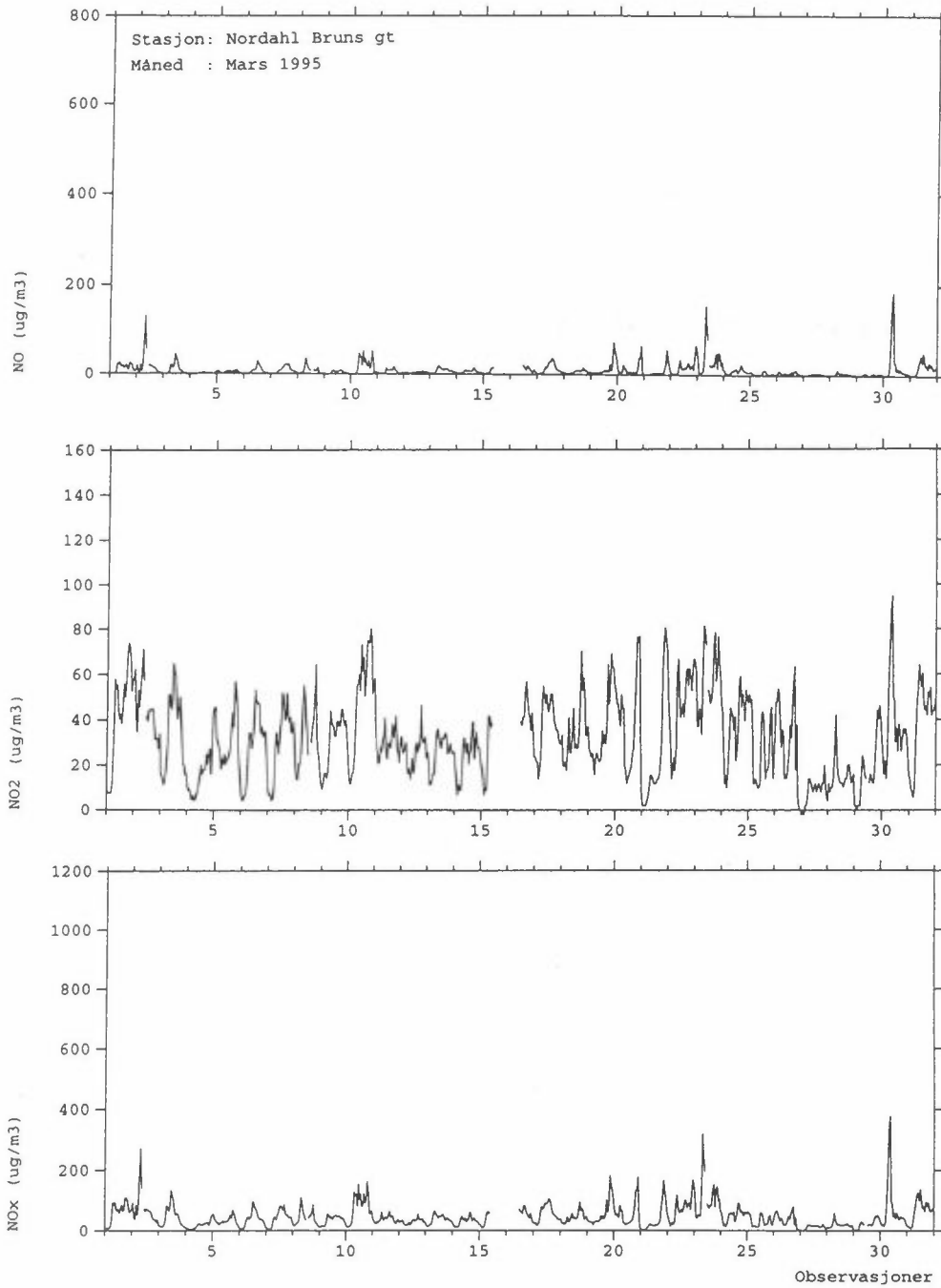


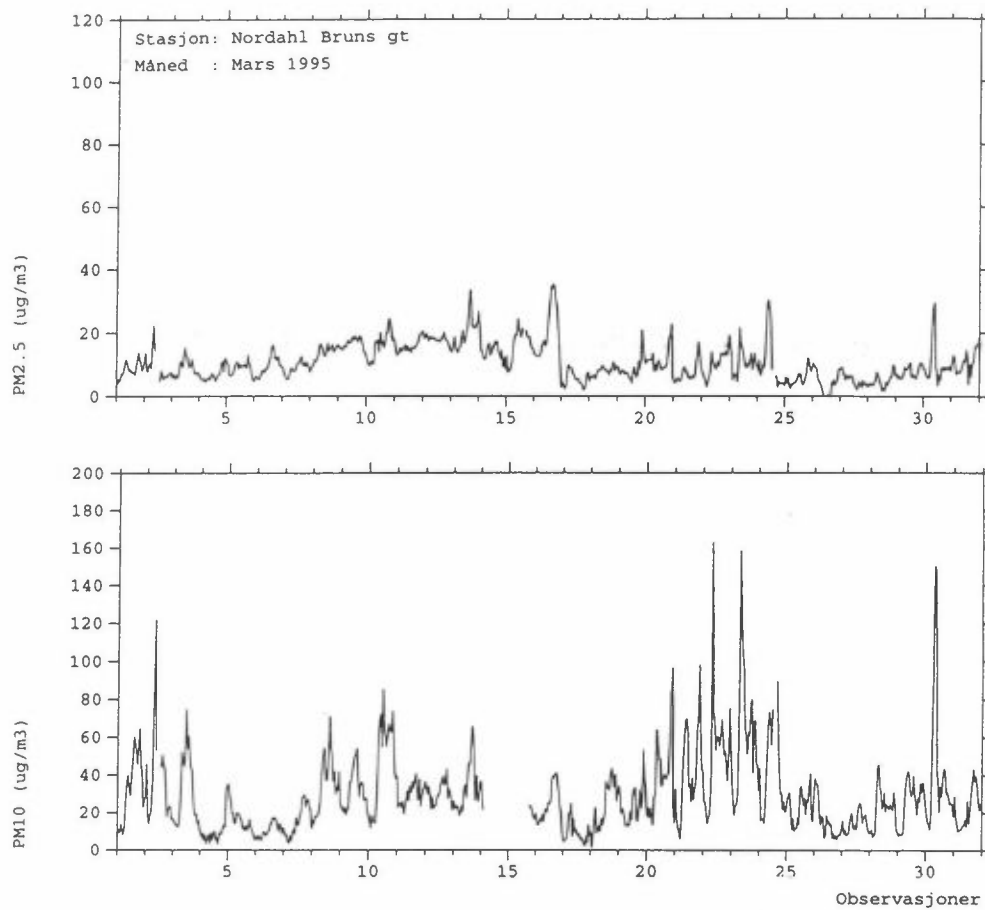




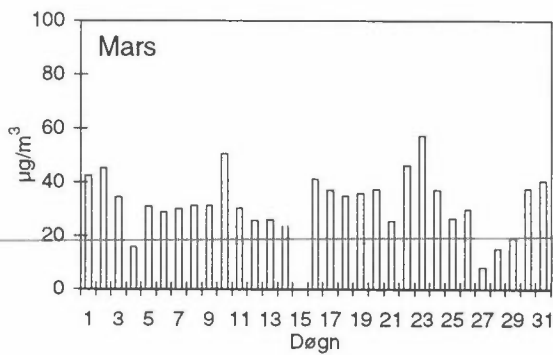
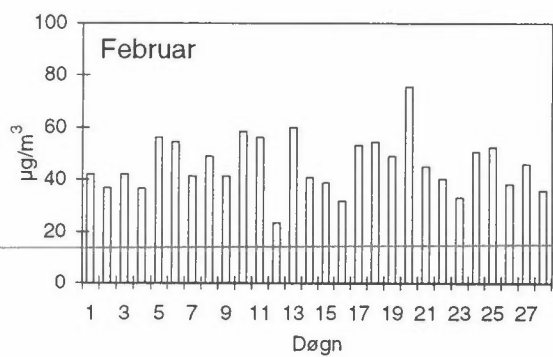
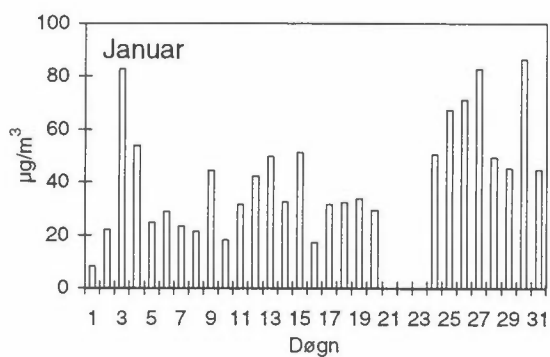
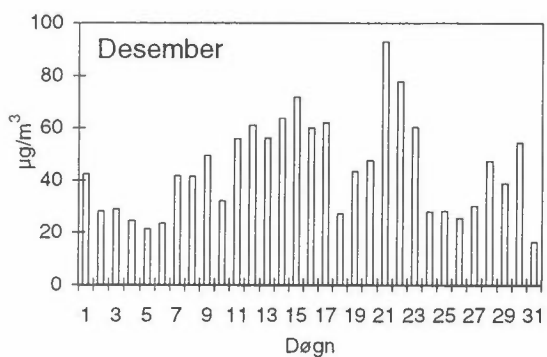
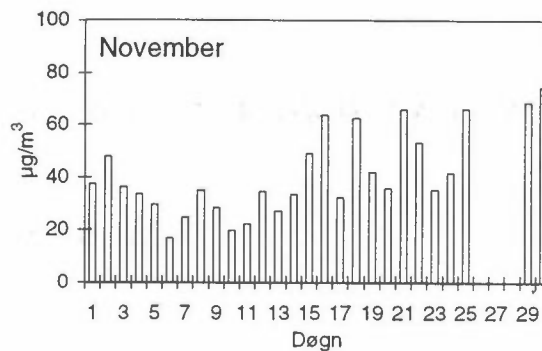
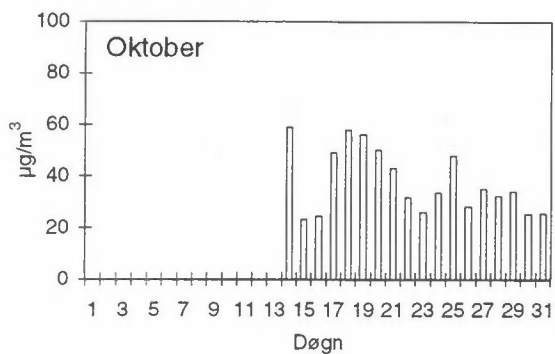


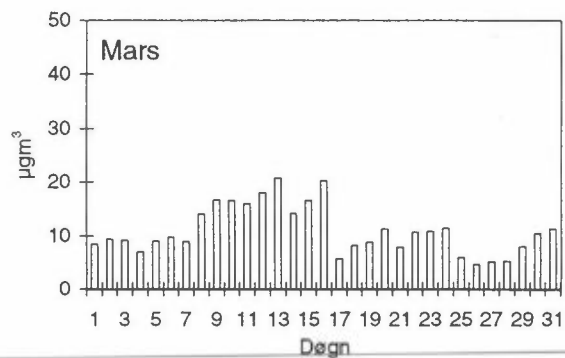
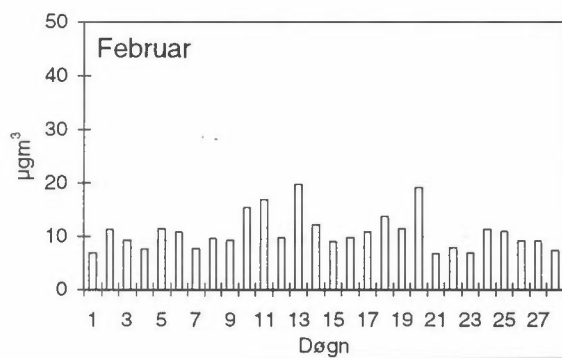
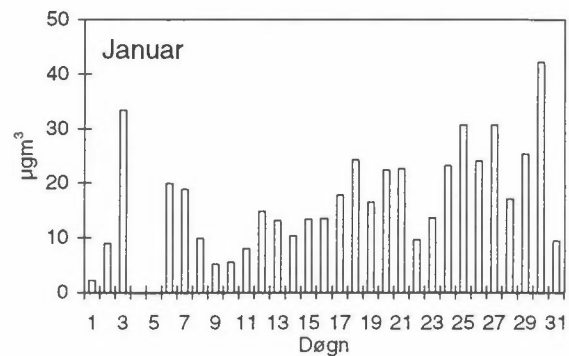
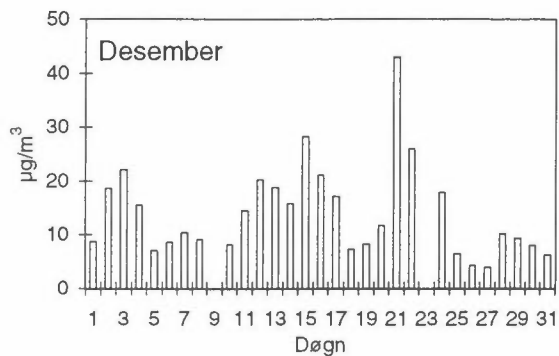
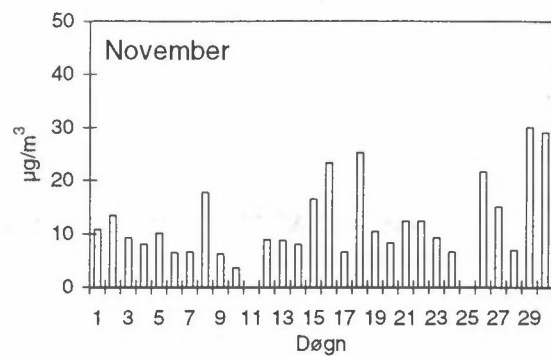
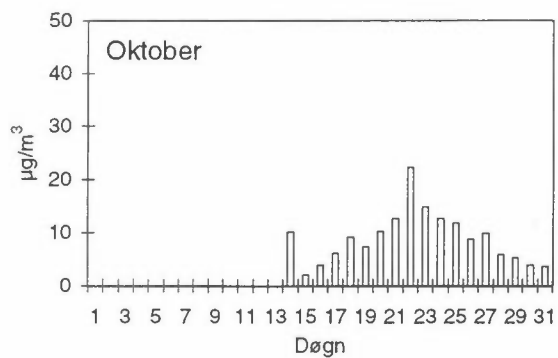




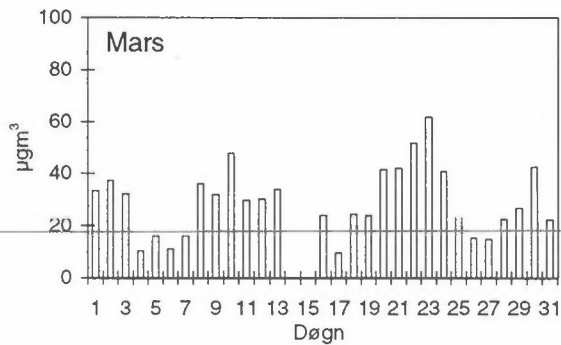
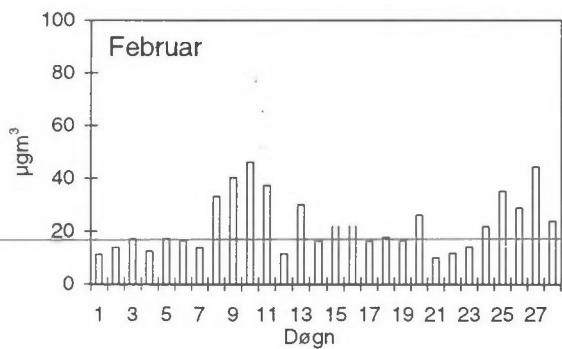
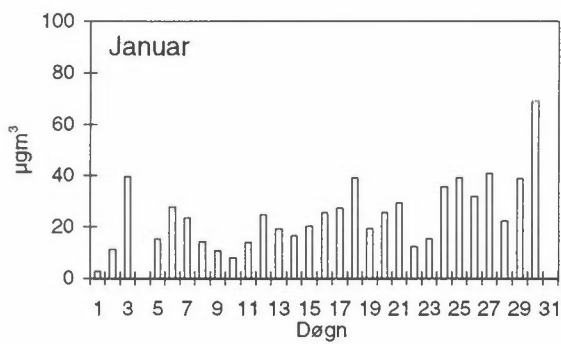
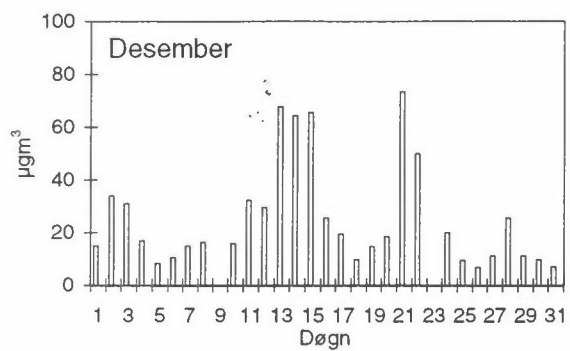
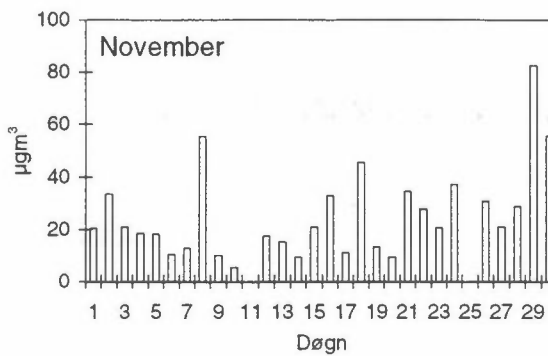
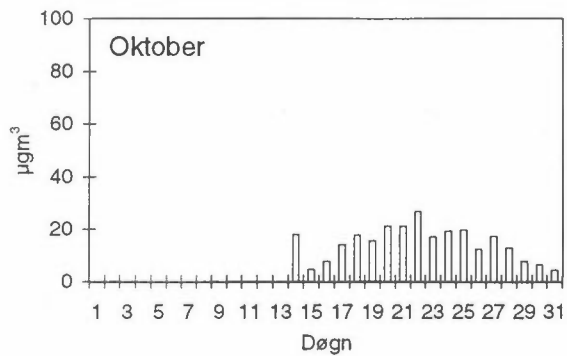


Oslo, Nordahl Brunsgt. NO₂ (beregnet)



Oslo, Nordahl Brunsgt., PM_{2.5} (målt og beregnet)

Oslo, Nordahl Brunsgt., PM₁₀ (målt og beregnet)



Drammen

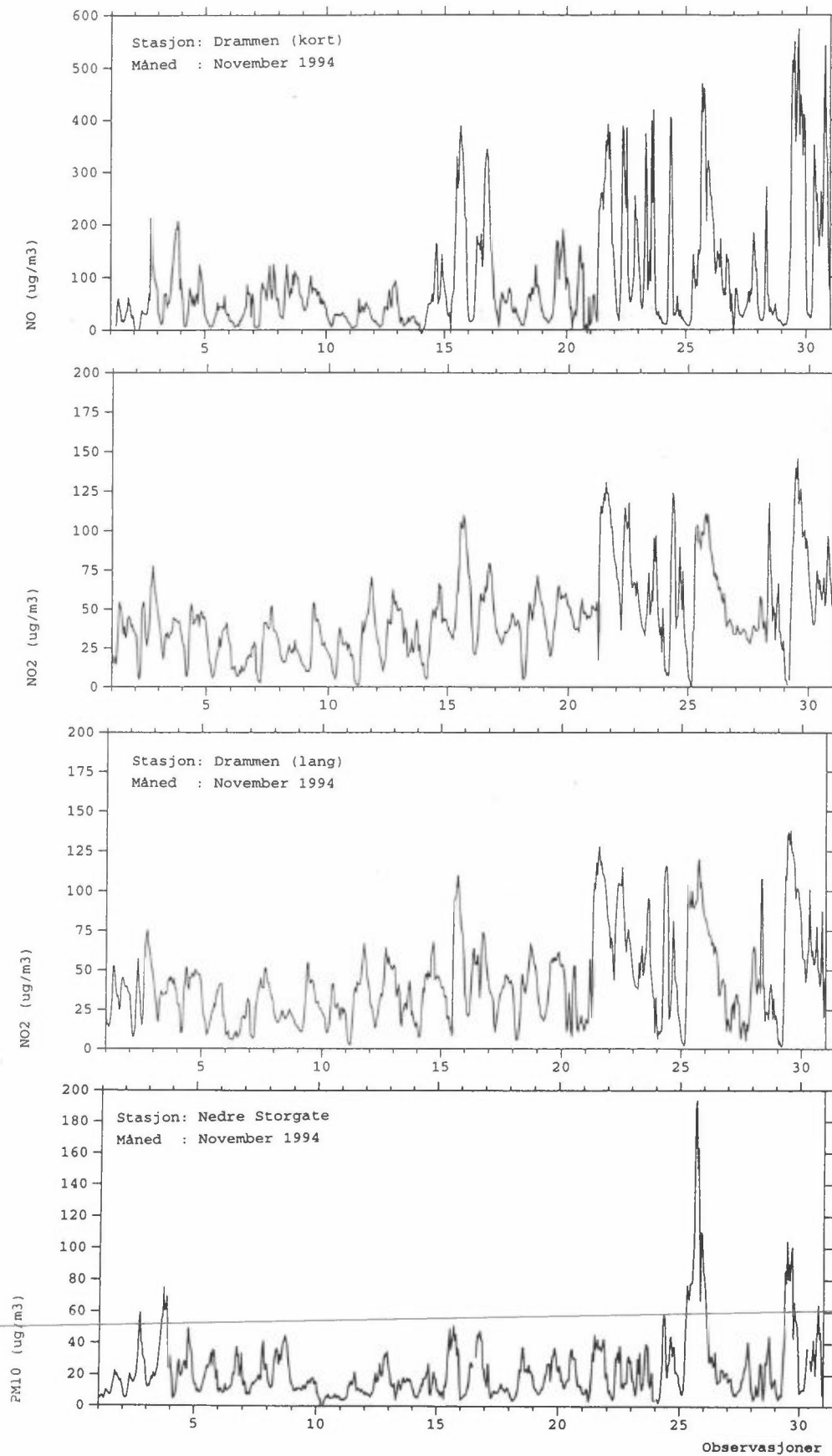
Nedre Storgate 3, november 1994-mars 1995

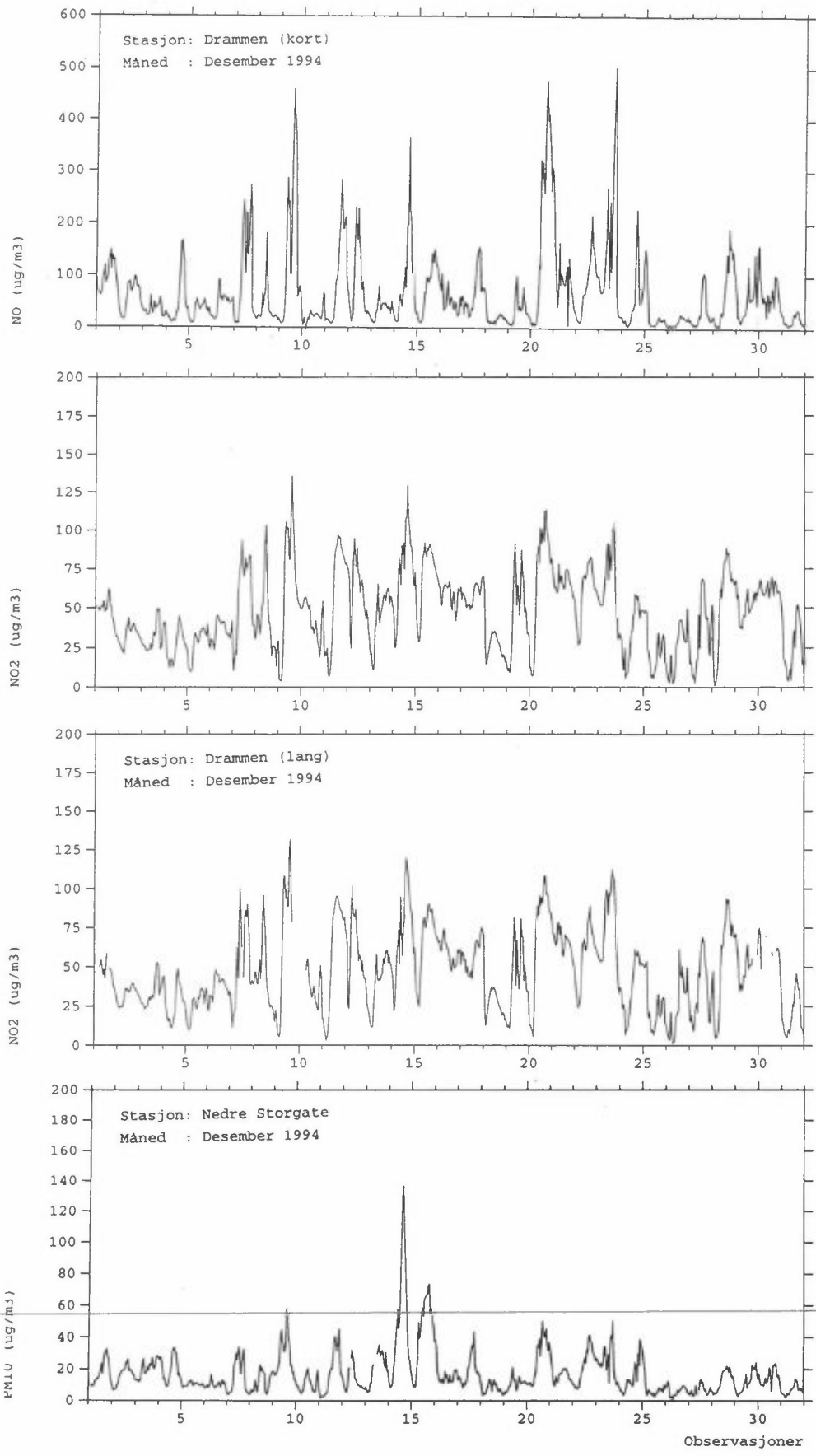
Timemiddelverdier:

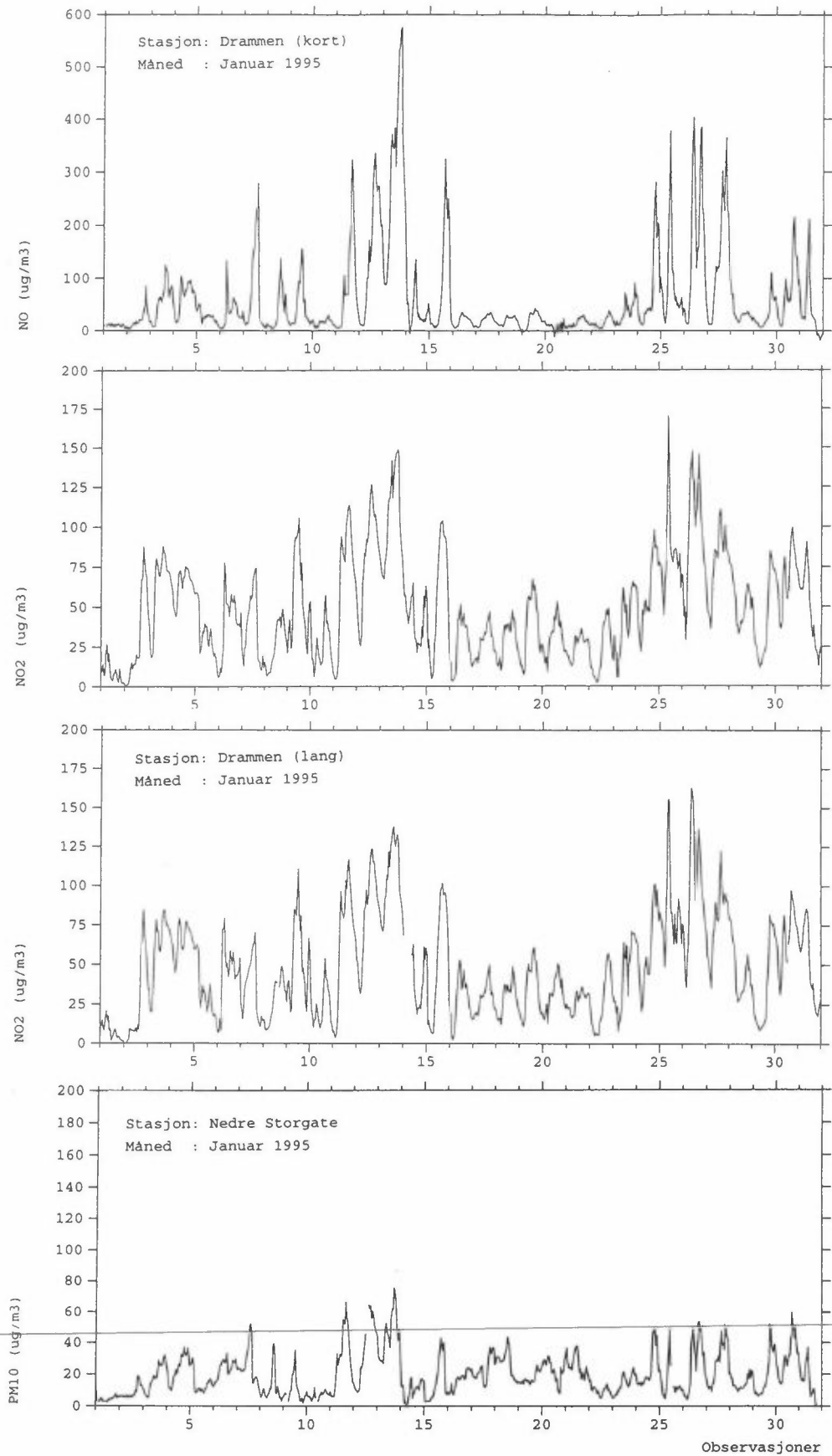
NO, kort løype	($\mu\text{g}/\text{m}^3$)
NO ₂ , kort løype	($\mu\text{g}/\text{m}^3$)
NO ₂ , lang løype	($\mu\text{g}/\text{m}^3$)
PM ₁₀	($\mu\text{g}/\text{m}^3$)

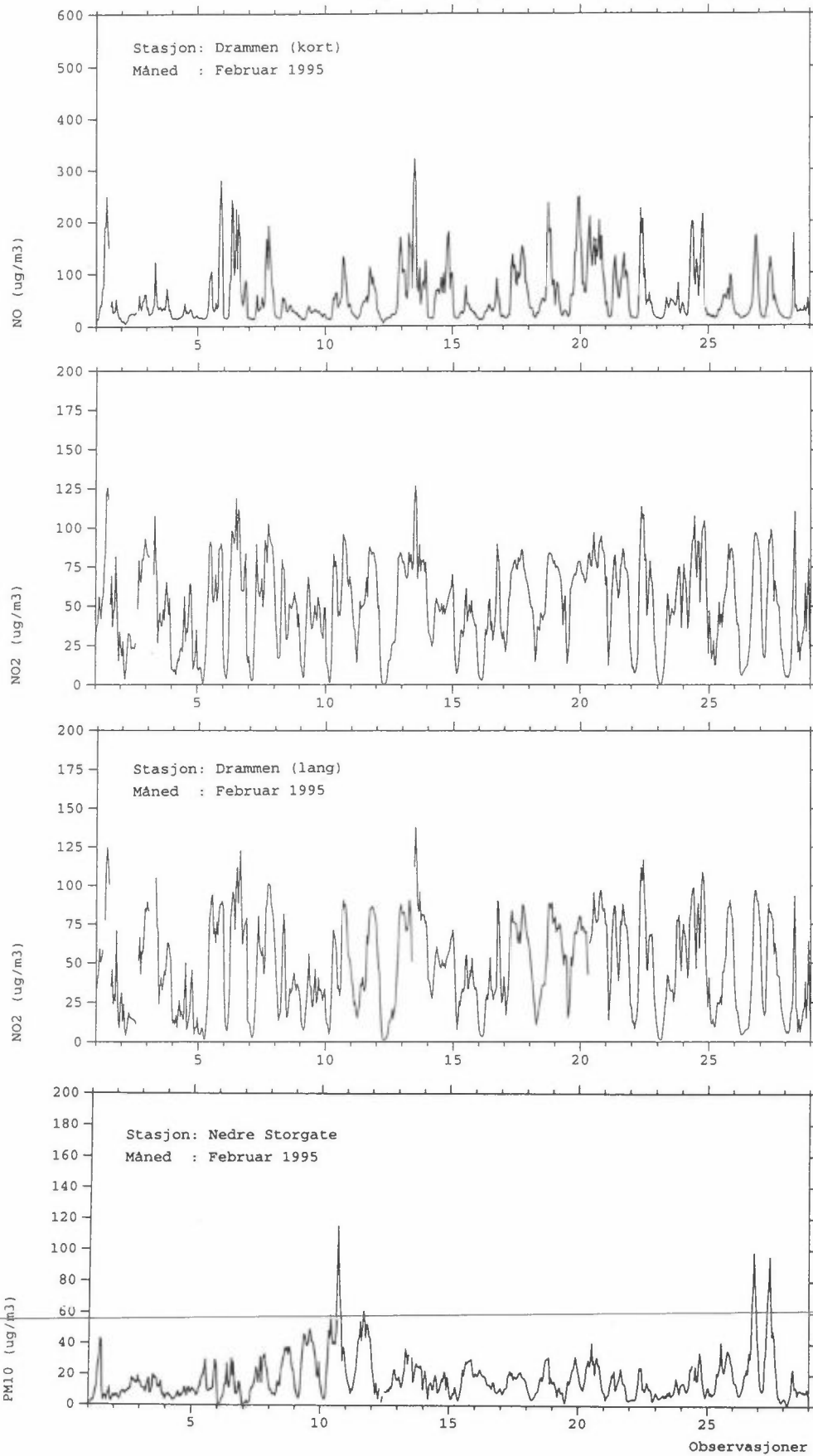
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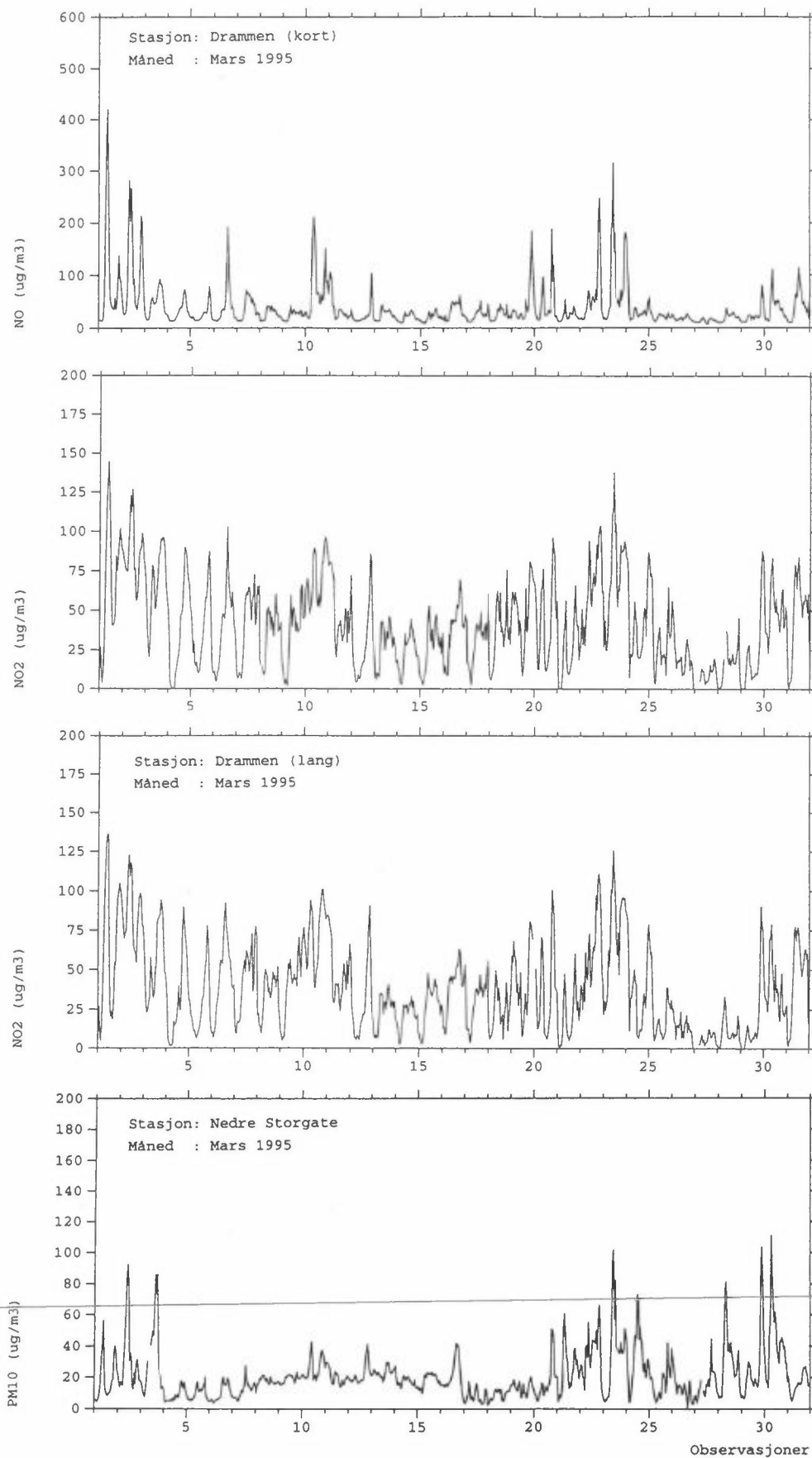
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PM ₁₀	($\mu\text{g}/\text{m}^3$)

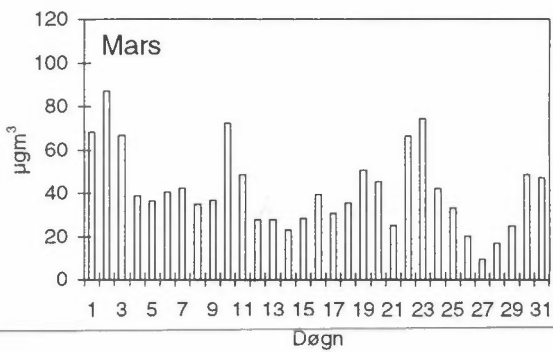
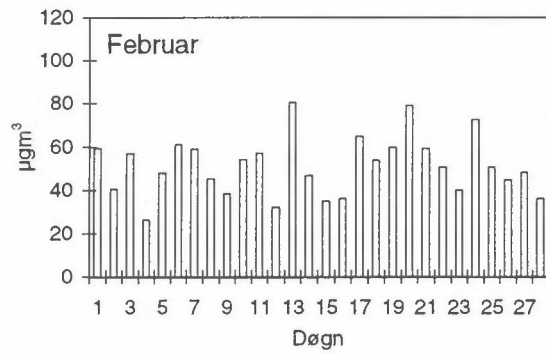
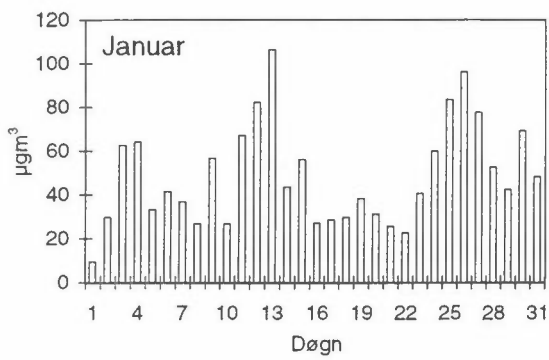
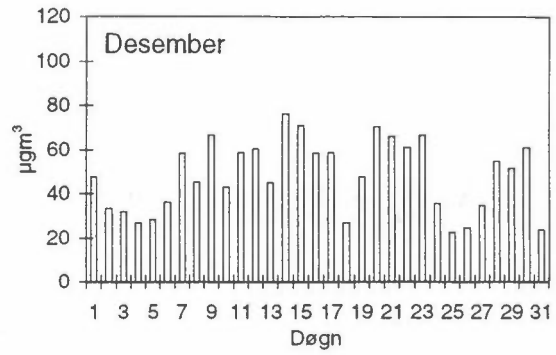
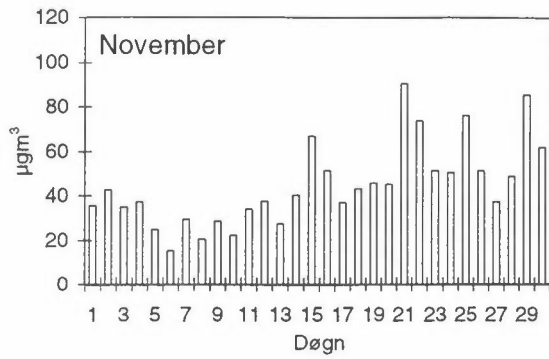


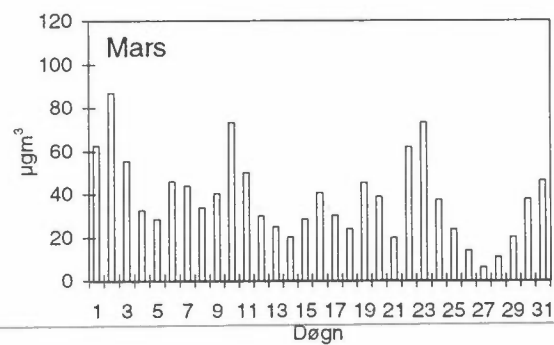
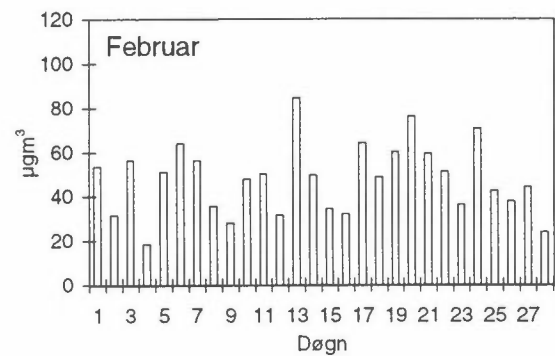
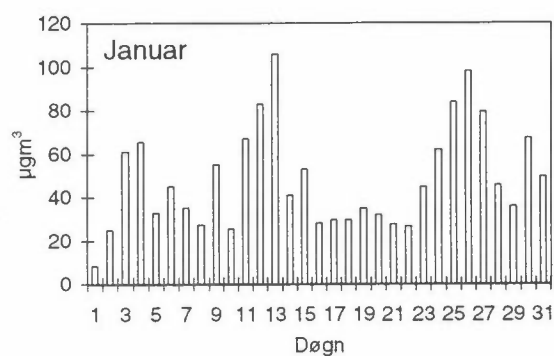
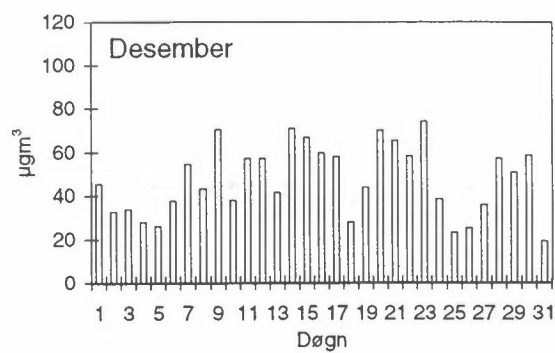
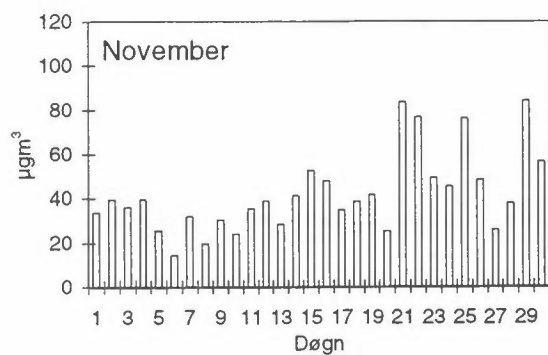




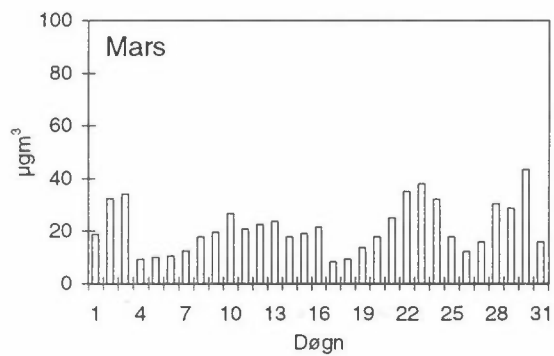
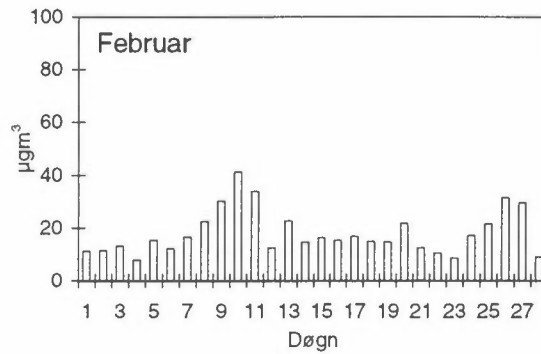
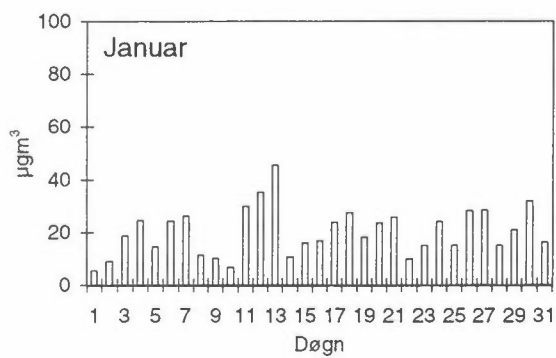
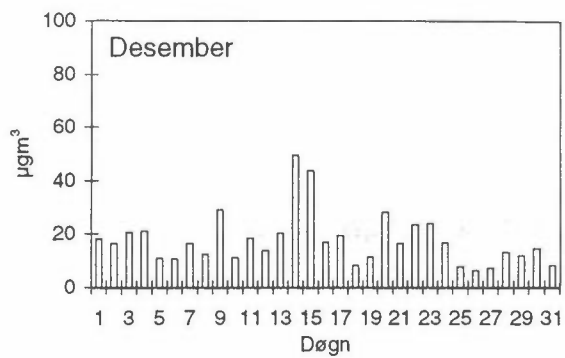
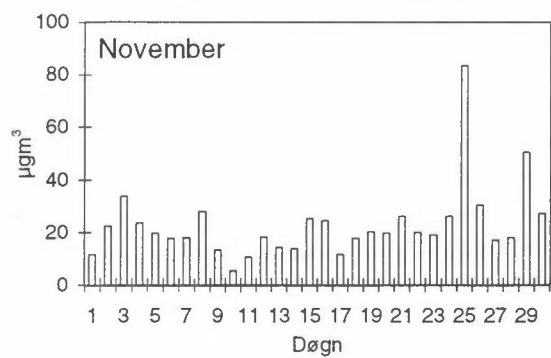




Drammen, Marienlyst, NO₂ (beregnet), kort løype

Drammen, Marienlyst, NO₂ (beregnet), lang løype

Drammen, Marienlyst. PM₁₀ (beregnet)



Grenland

Holbergs gate, Skien, november 1994-mars 1995
Brannstasjonen, Porsgrunn, november 1994-mars 1995

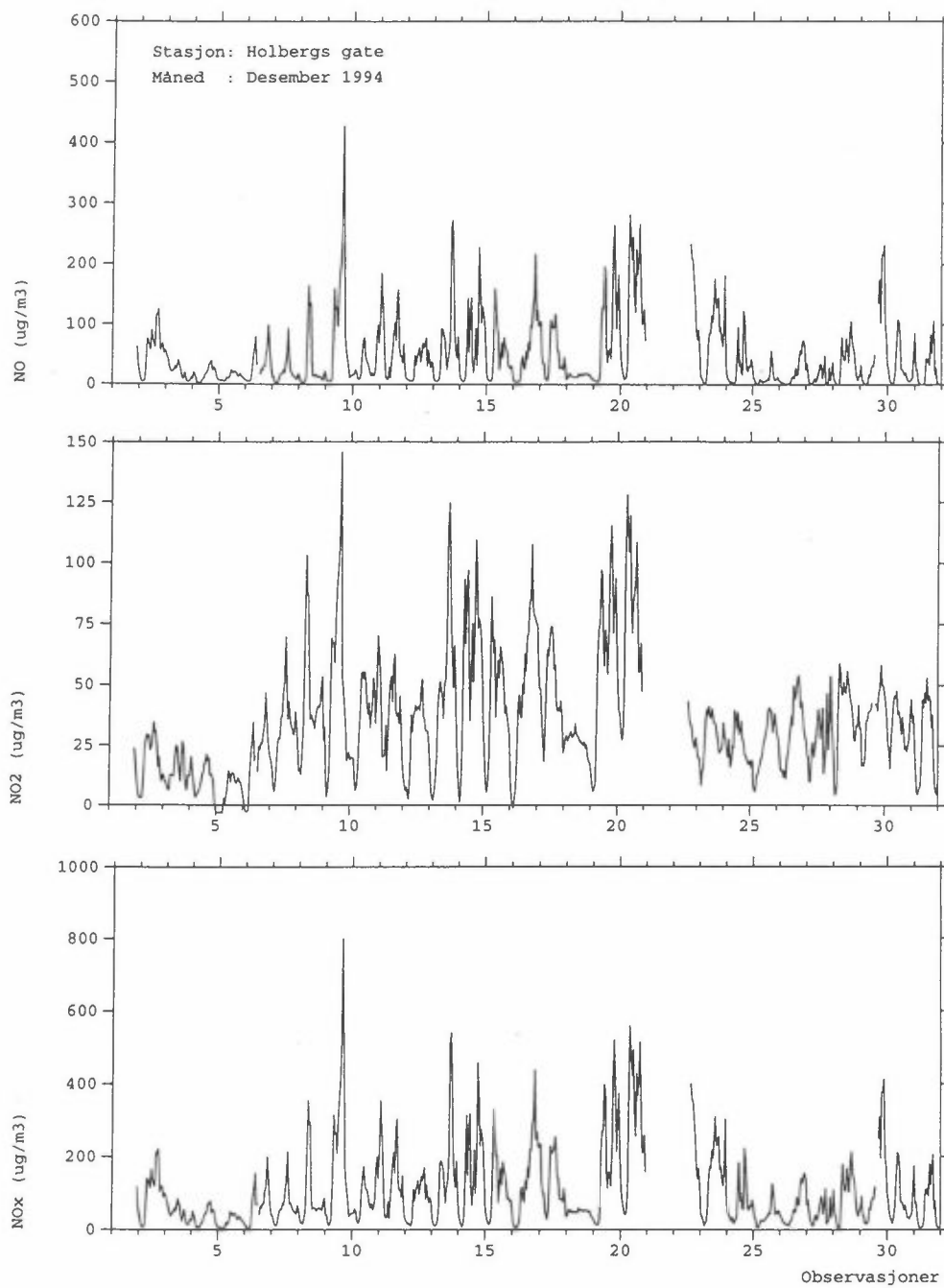
Timemiddelverdier:

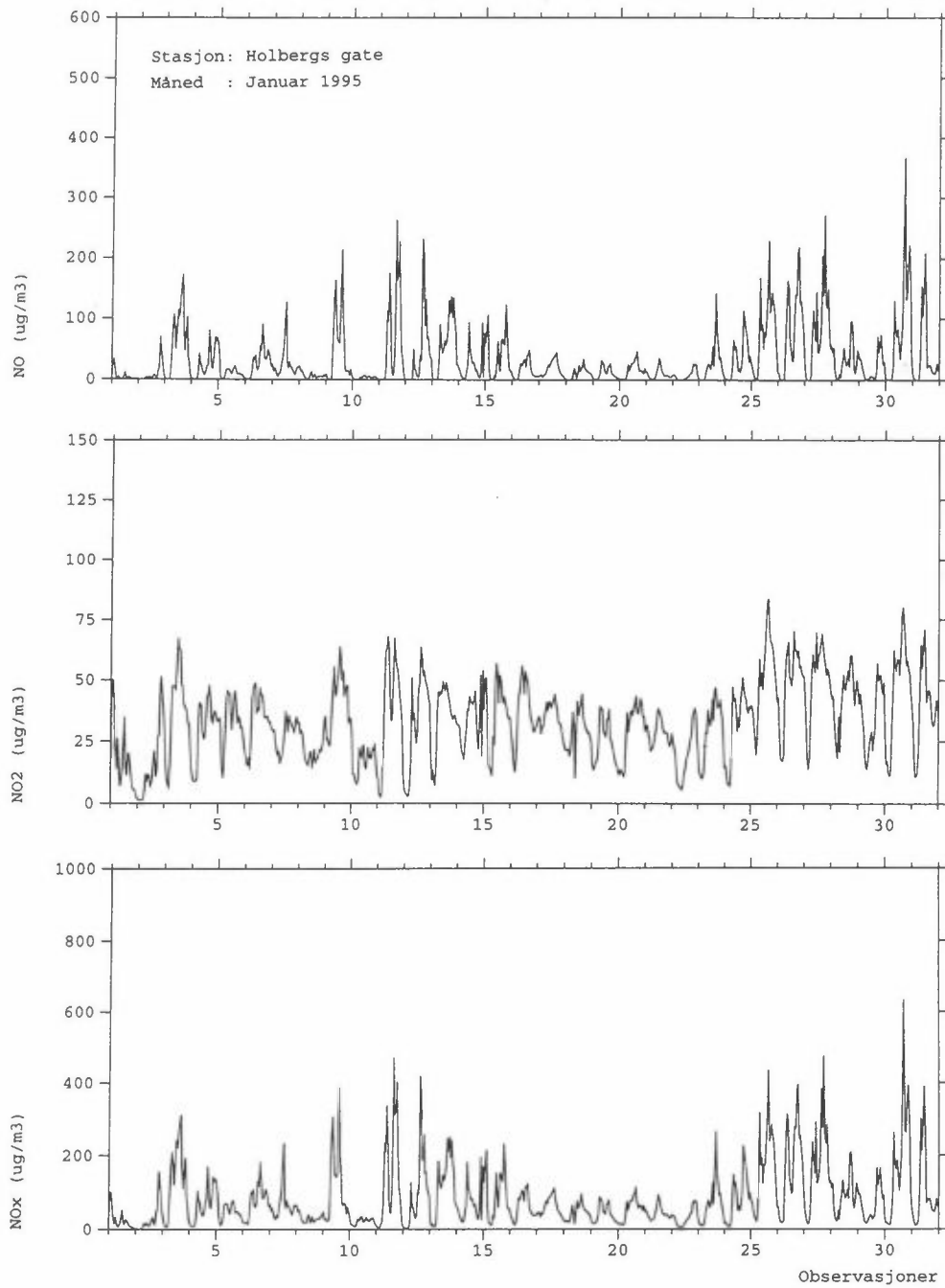
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NO ₂ , Skien	($\mu\text{g}/\text{m}^3$)
NO _x , Skien	($\mu\text{g NO}_2/\text{m}^3$)

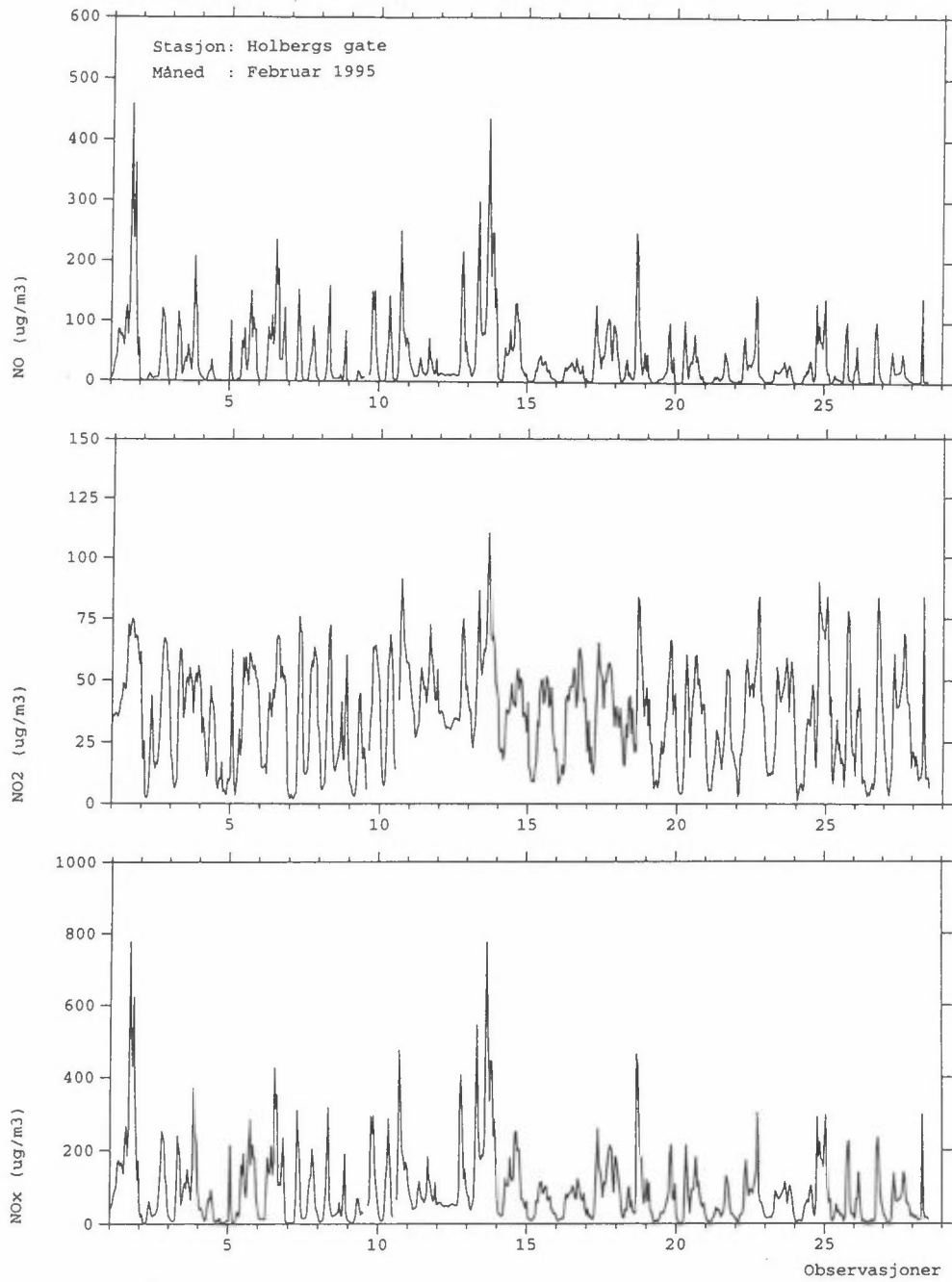
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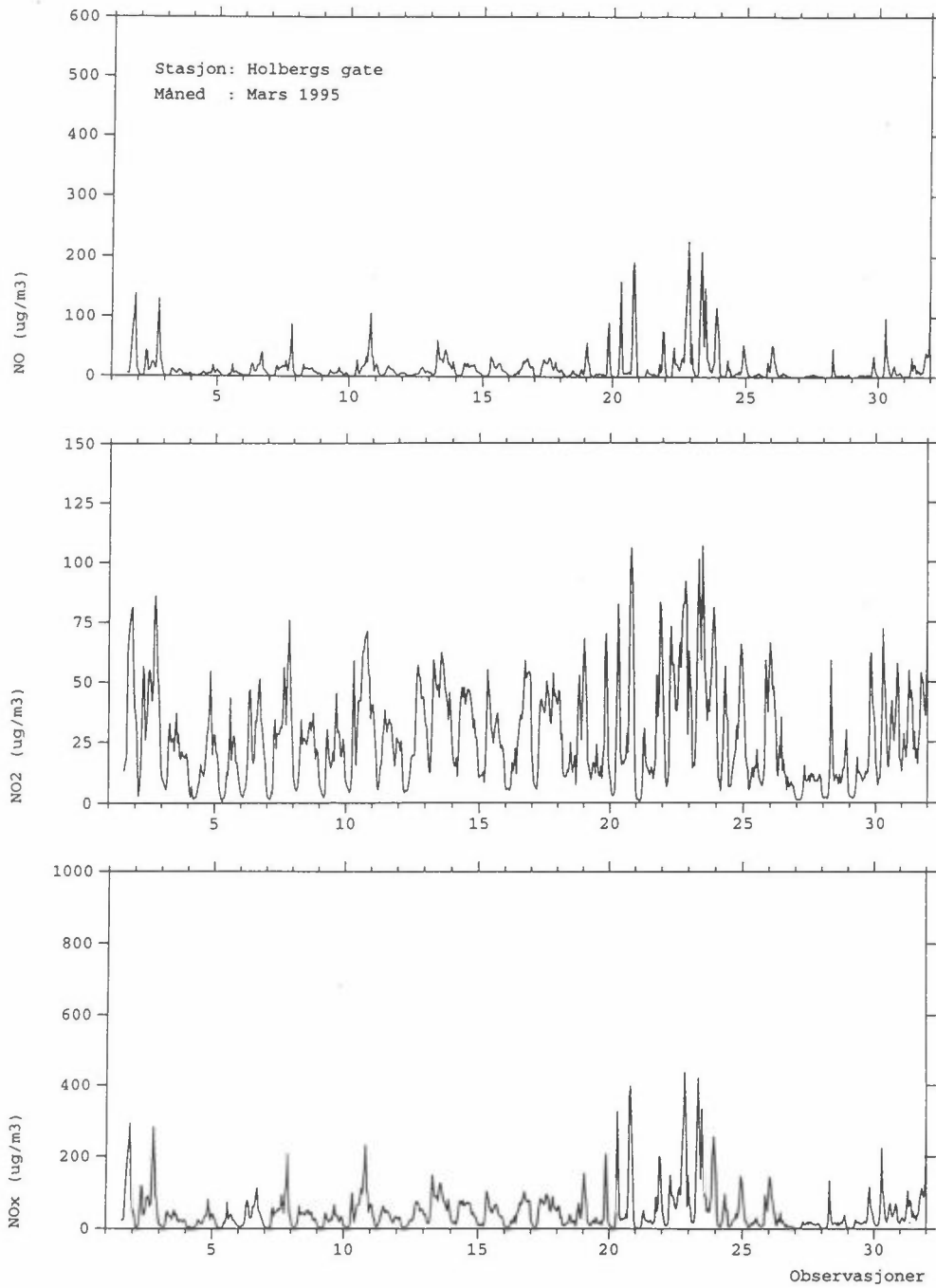
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NO ₂ , Porsgrunn	($\mu\text{g}/\text{m}^3$)
PM _{2.5} , Skien	($\mu\text{g}/\text{m}^3$)
PM ₁₀ , Skien	($\mu\text{g}/\text{m}^3$)
PM _{2.5} , Porsgrunn	($\mu\text{g}/\text{m}^3$)
PM ₁₀ , Porsgrunn	($\mu\text{g}/\text{m}^3$)

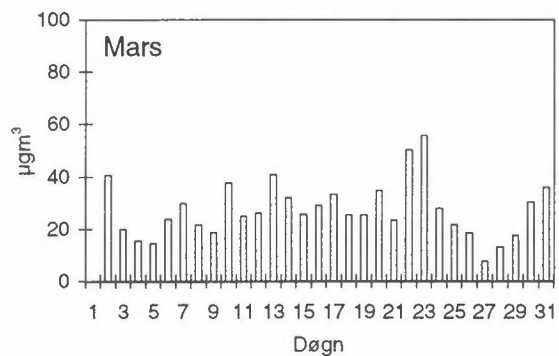
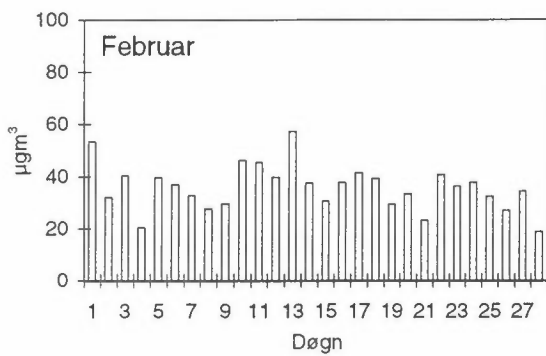
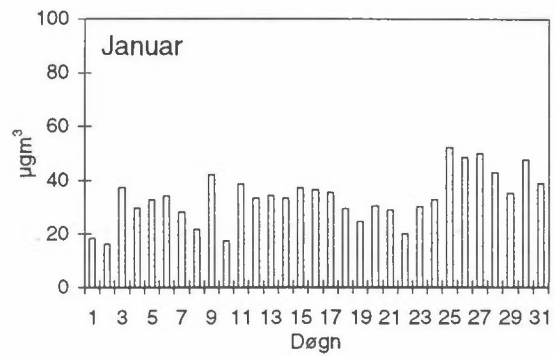
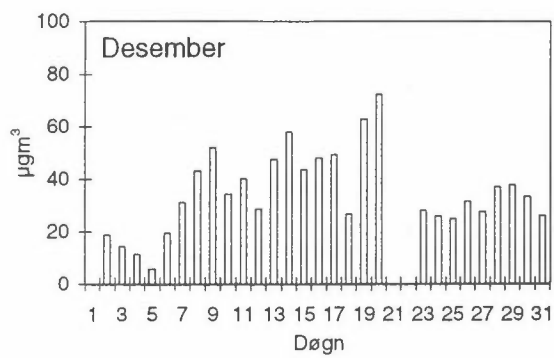
THE UNIVERSITY OF CHICAGO



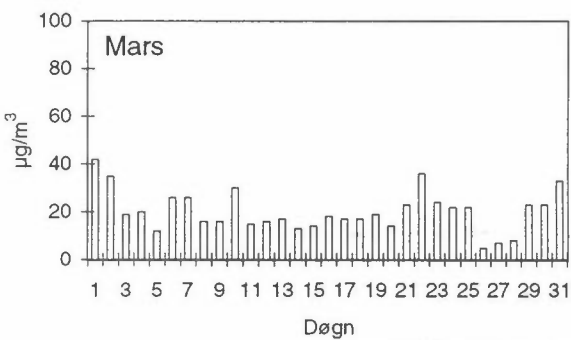
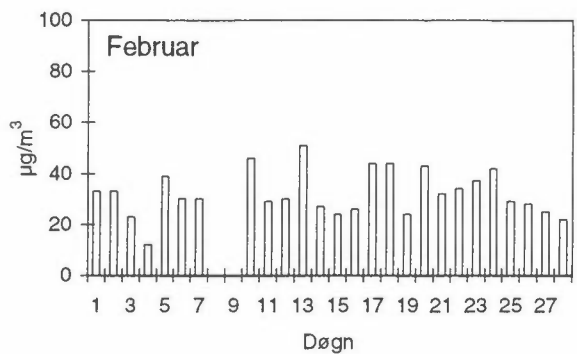
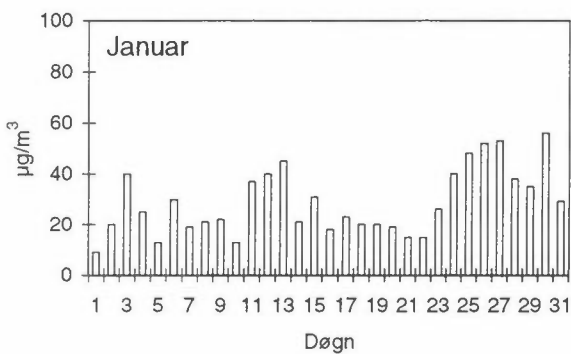
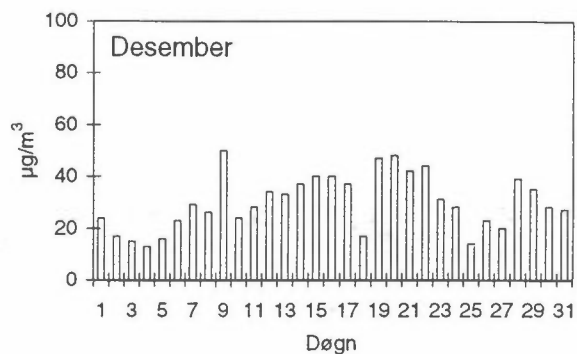
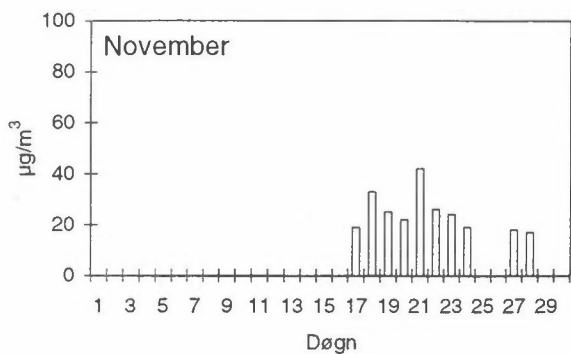


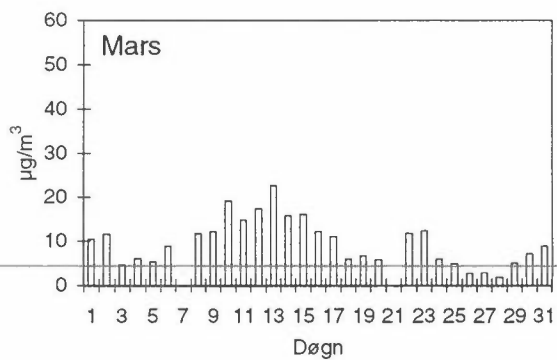
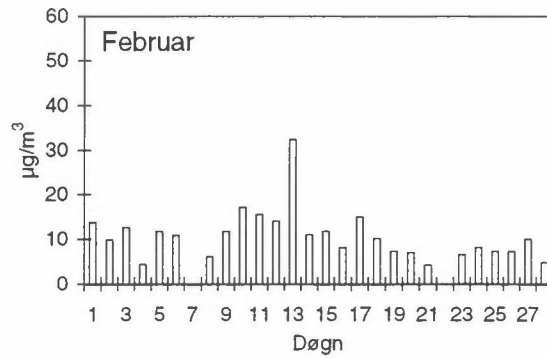
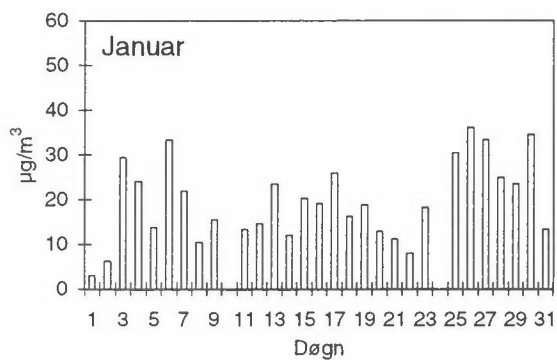
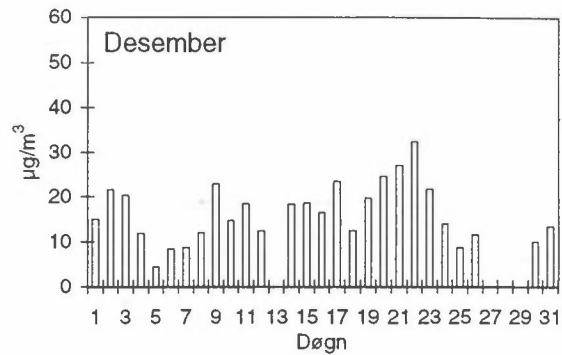
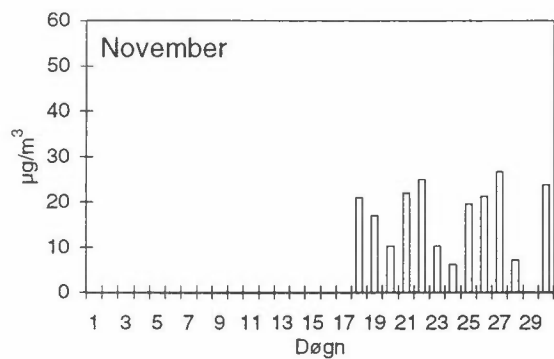




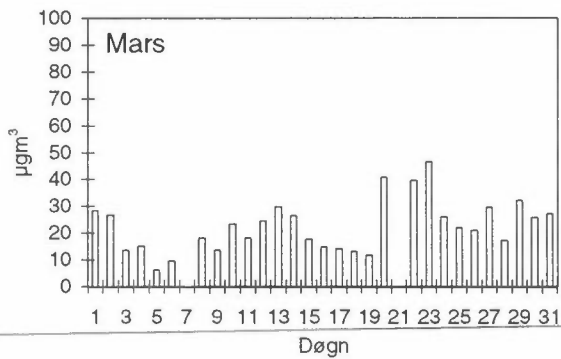
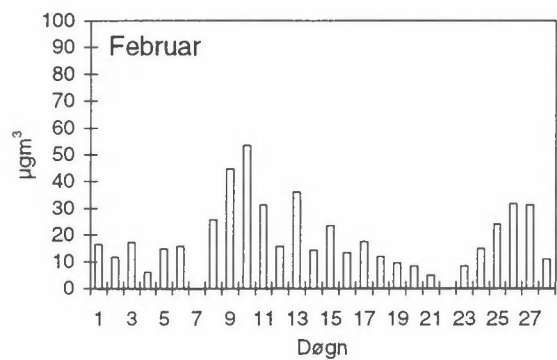
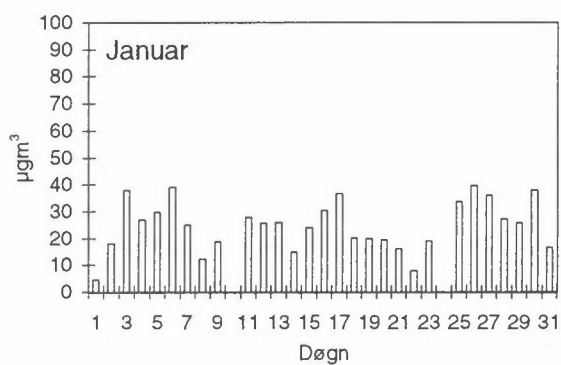
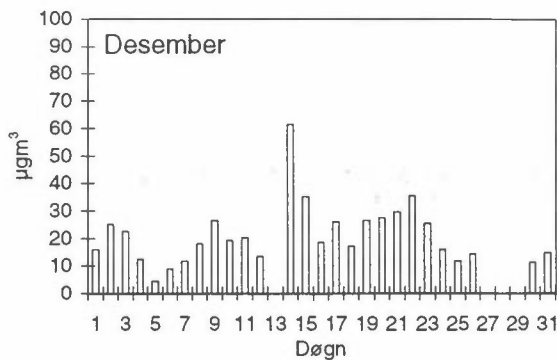
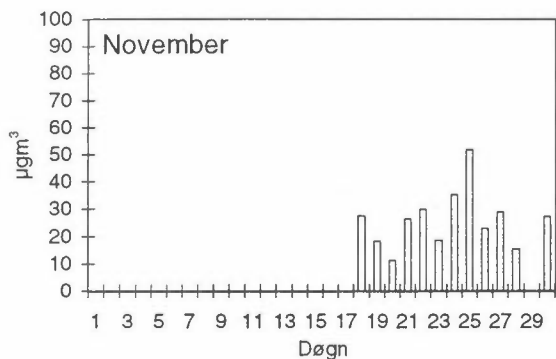
Skien, NO₂ (beregnet)

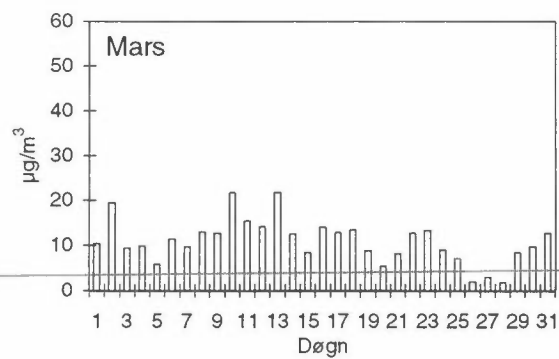
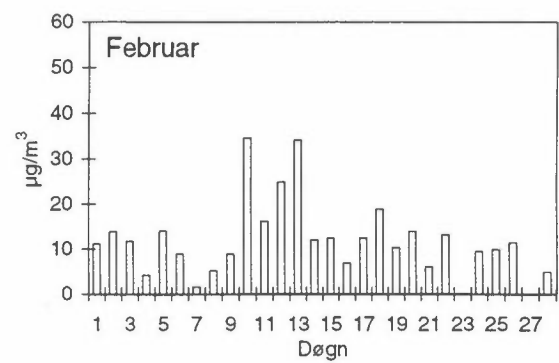
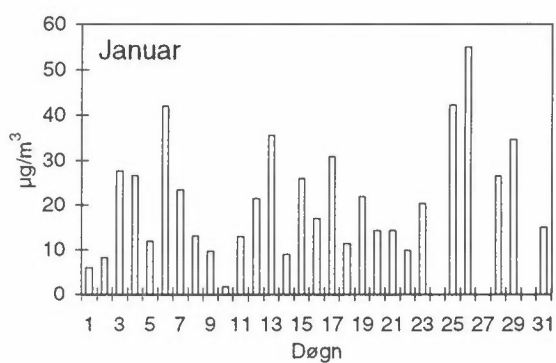
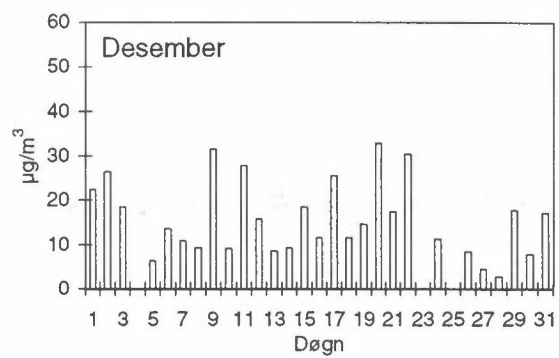
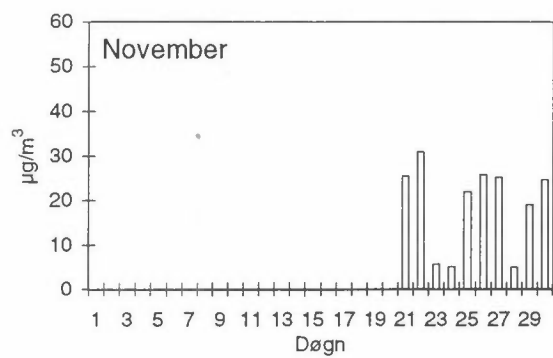
Porsgrunn, NO₂ (målt)



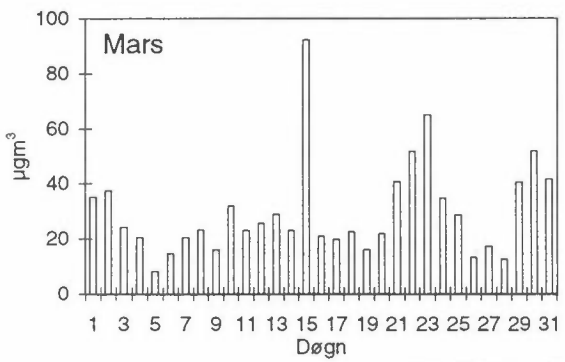
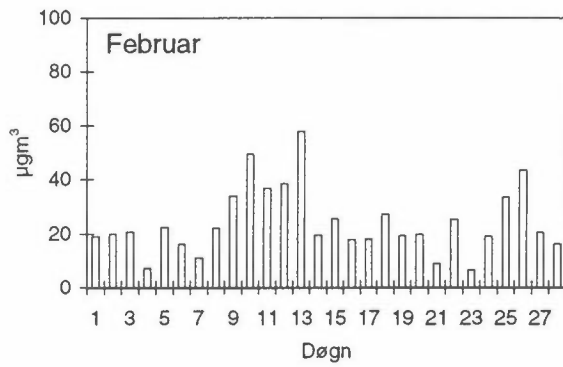
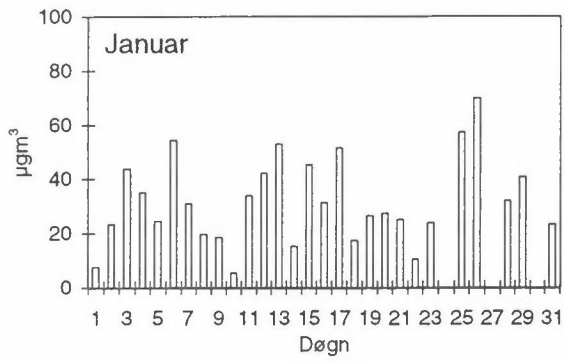
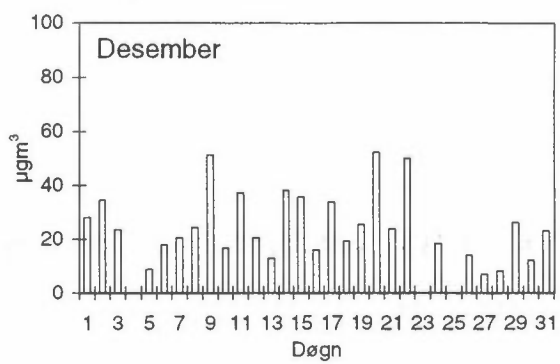
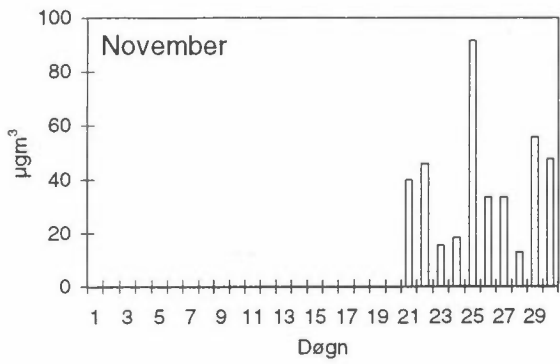
Skien, Holbergsgt., PM_{2.5} (målt)

Skien, Holbergsgt. PM₁₀ (målt)



Porsgrunn, PM_{2.5} (målt)

Porsgrunn, PM₁₀ (målt)



Bergen

Fengslet, oktober 1994-mars 1995
Nygårdsgaten, november 1994-mars 1995

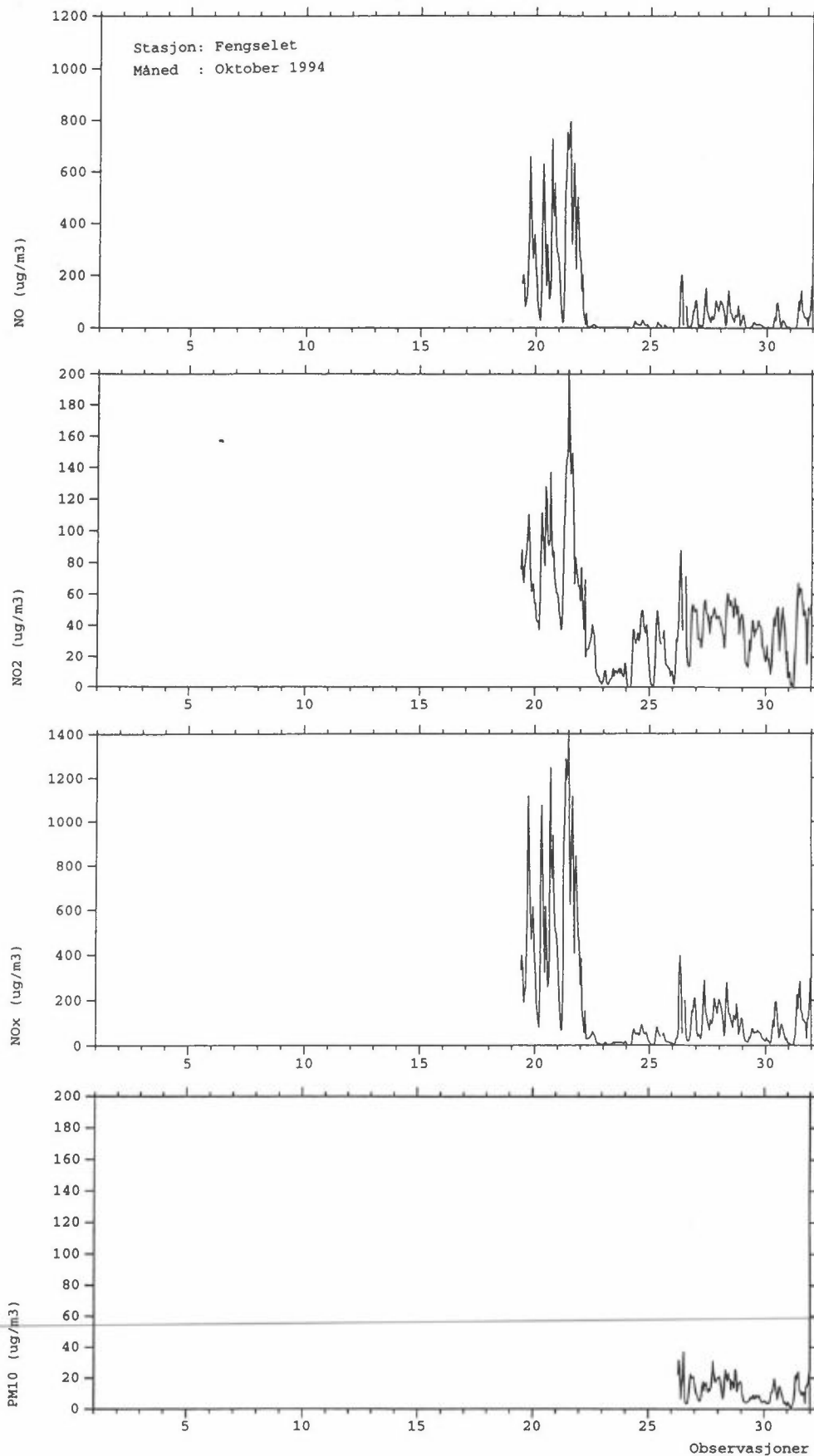
Timemiddelverdier:

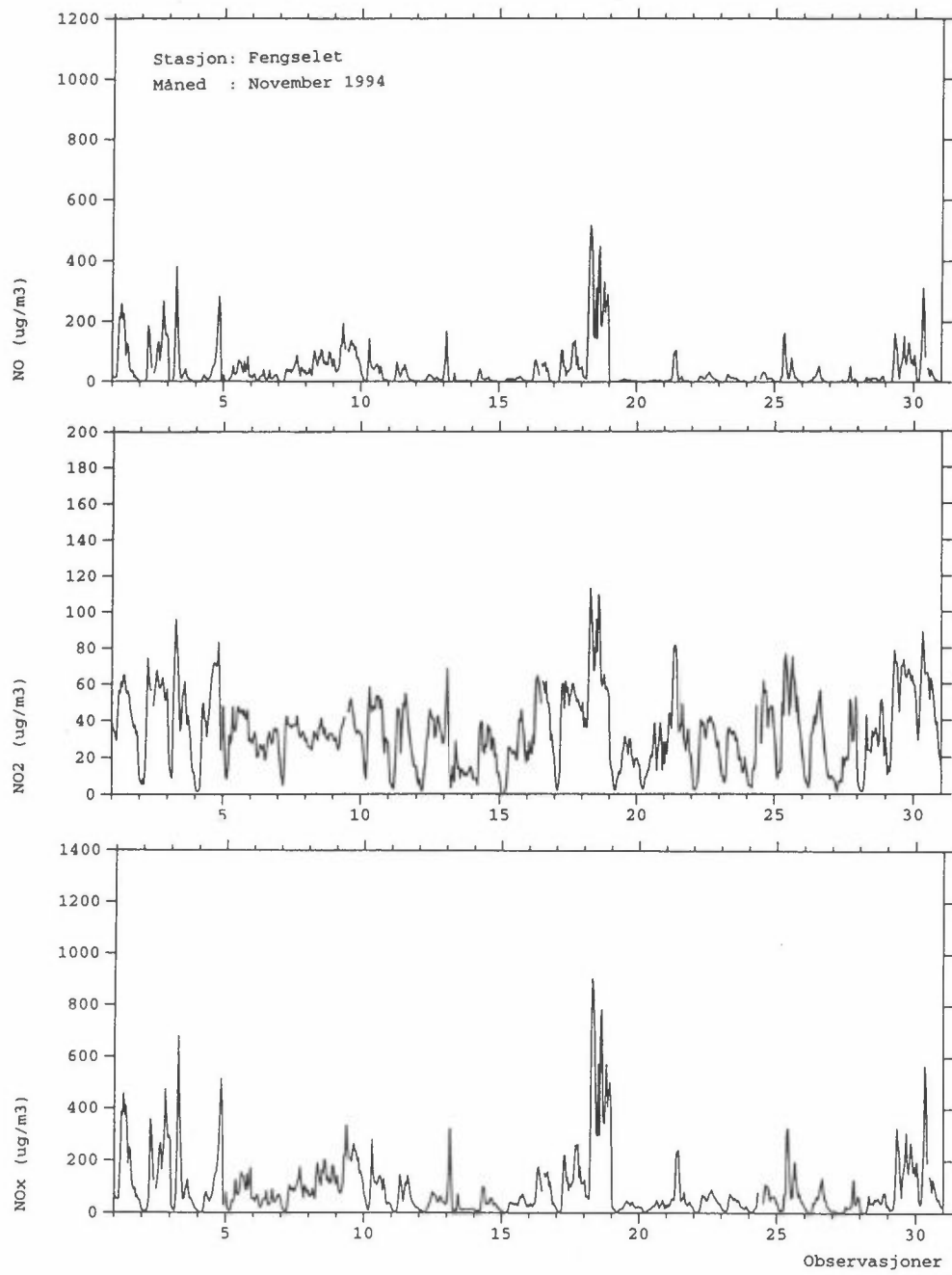
NO,	Fengslet	($\mu\text{g}/\text{m}^3$)
NO ₂ ,	Fengslet	($\mu\text{g}/\text{m}^3$)
NO _x ,	Fengslet	($\mu\text{g NO}_2/\text{m}^3$)
PM ₁₀ ,	Fengslet	($\mu\text{g}/\text{m}^3$)
PM ₁₀ ,	Nygårdsgaten	($\mu\text{g}/\text{m}^3$)

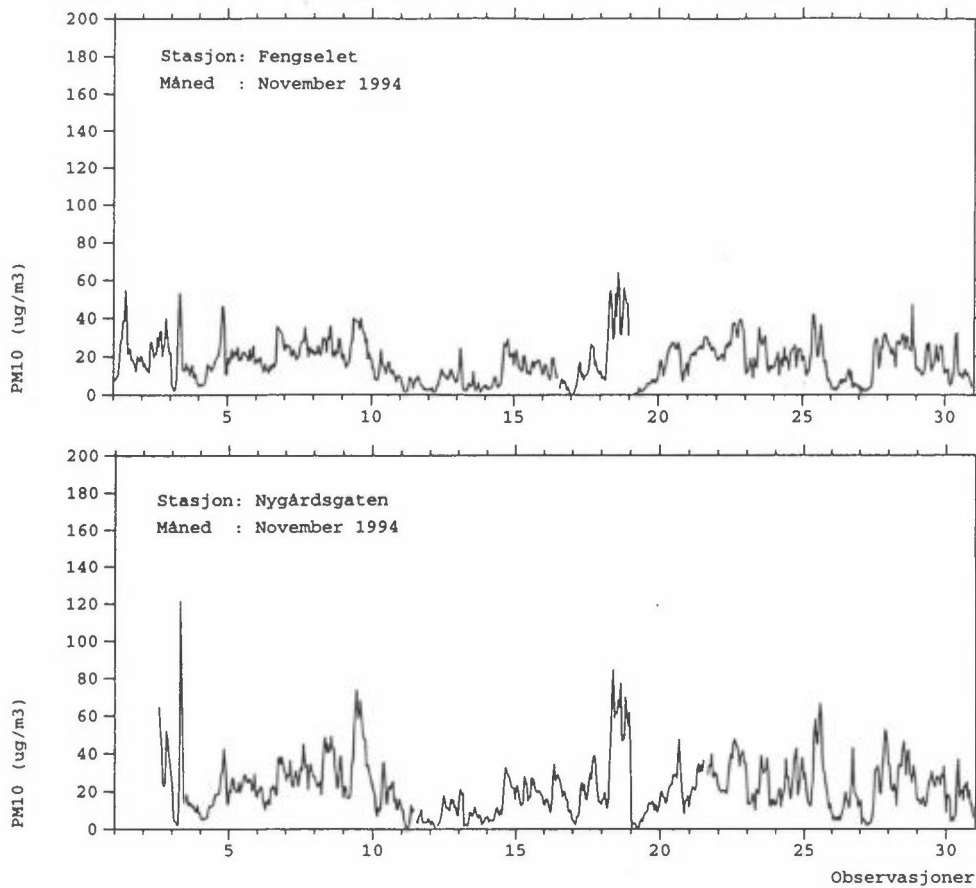
Døgnmiddelverdier:

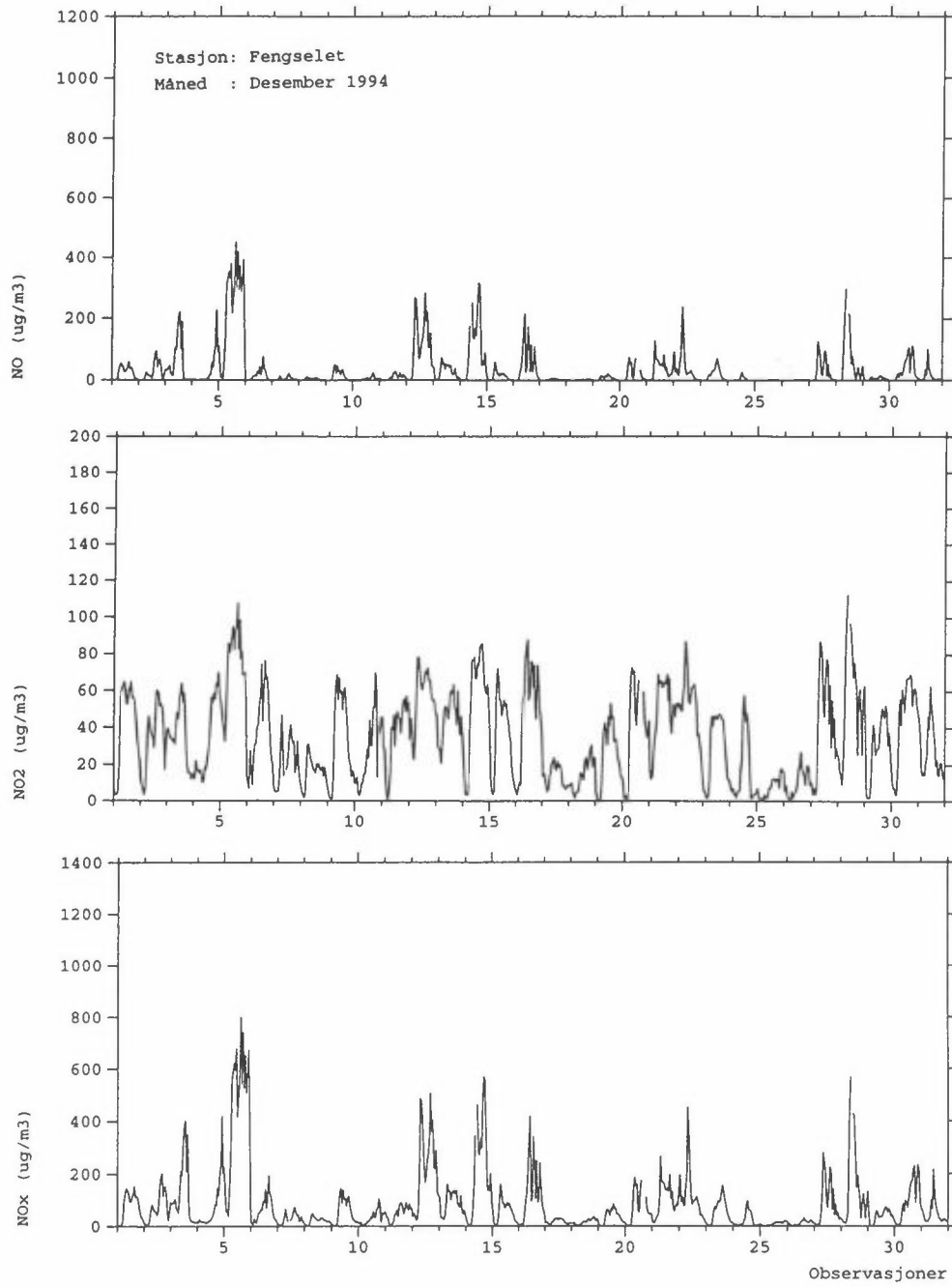
NO ₂	Fengslet	($\mu\text{g}/\text{m}^3$)
PM _{2.5} ,	Fengslet	($\mu\text{g}/\text{m}^3$)
PM ₁₀ ,	Fengslet	($\mu\text{g}/\text{m}^3$)
PM ₁₀ ,	Nygårdsgaten	($\mu\text{g}/\text{m}^3$)

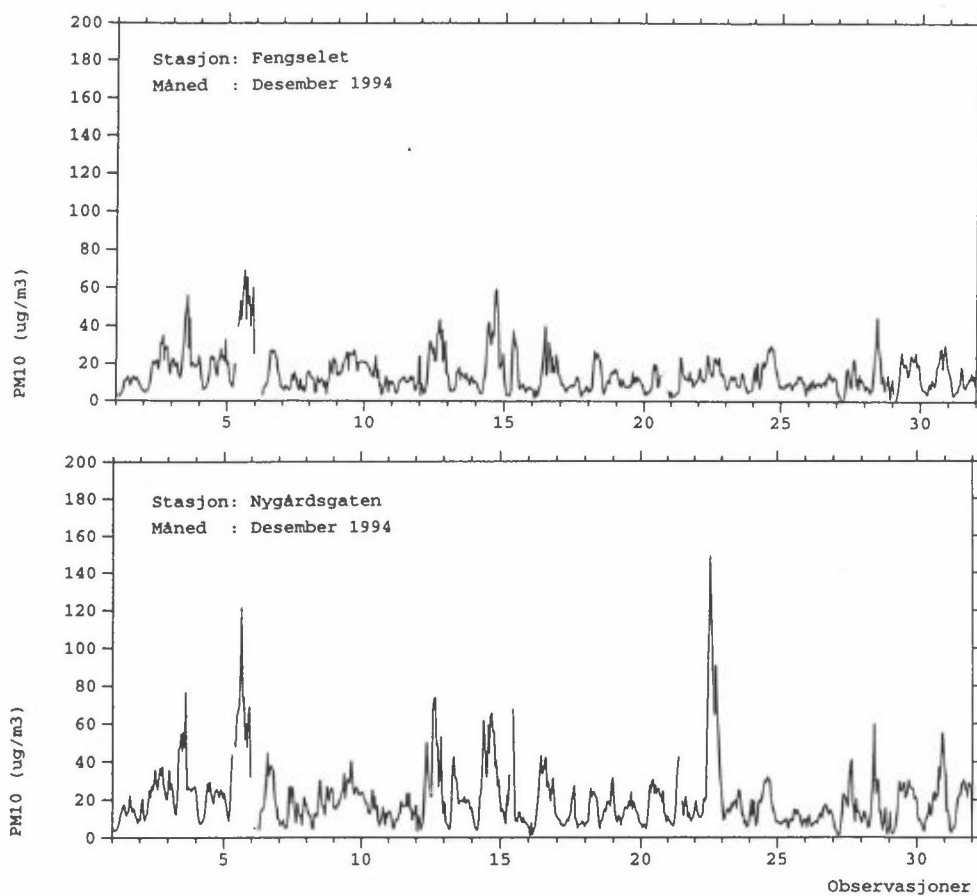
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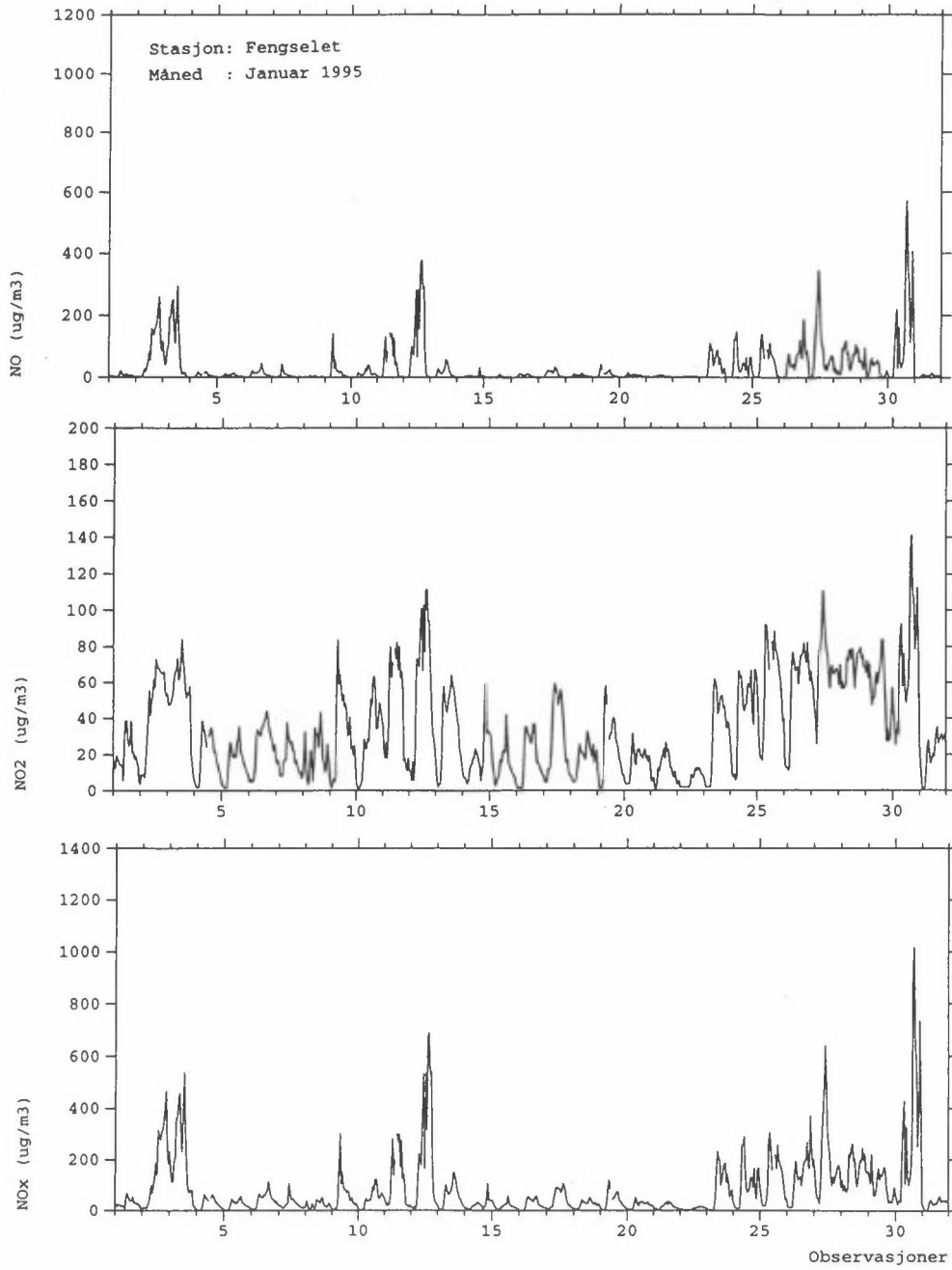


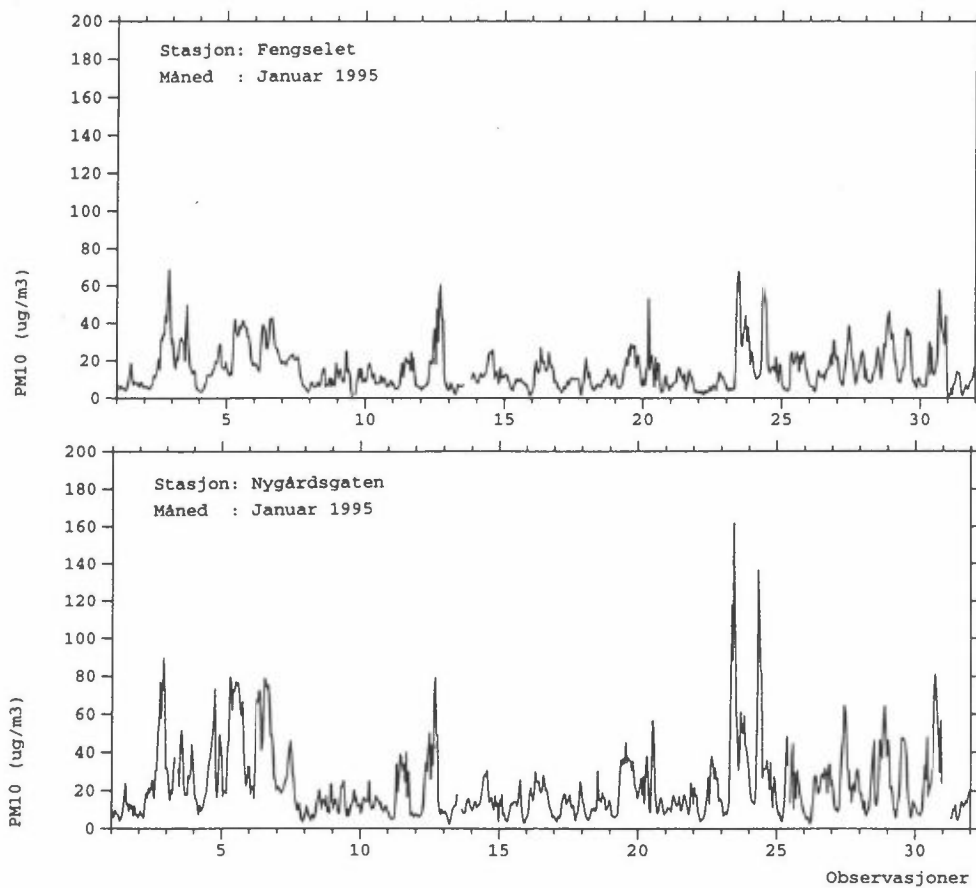


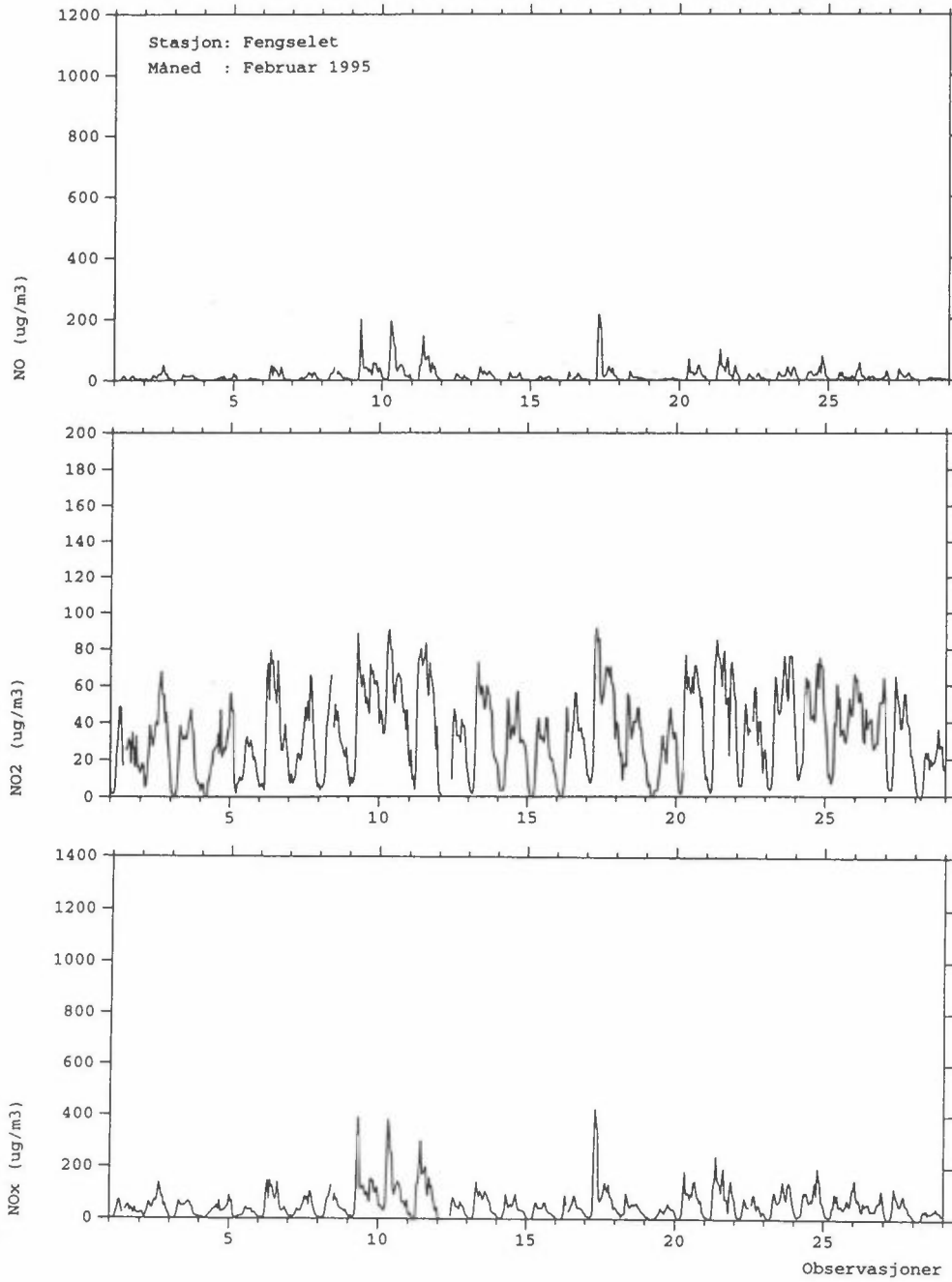


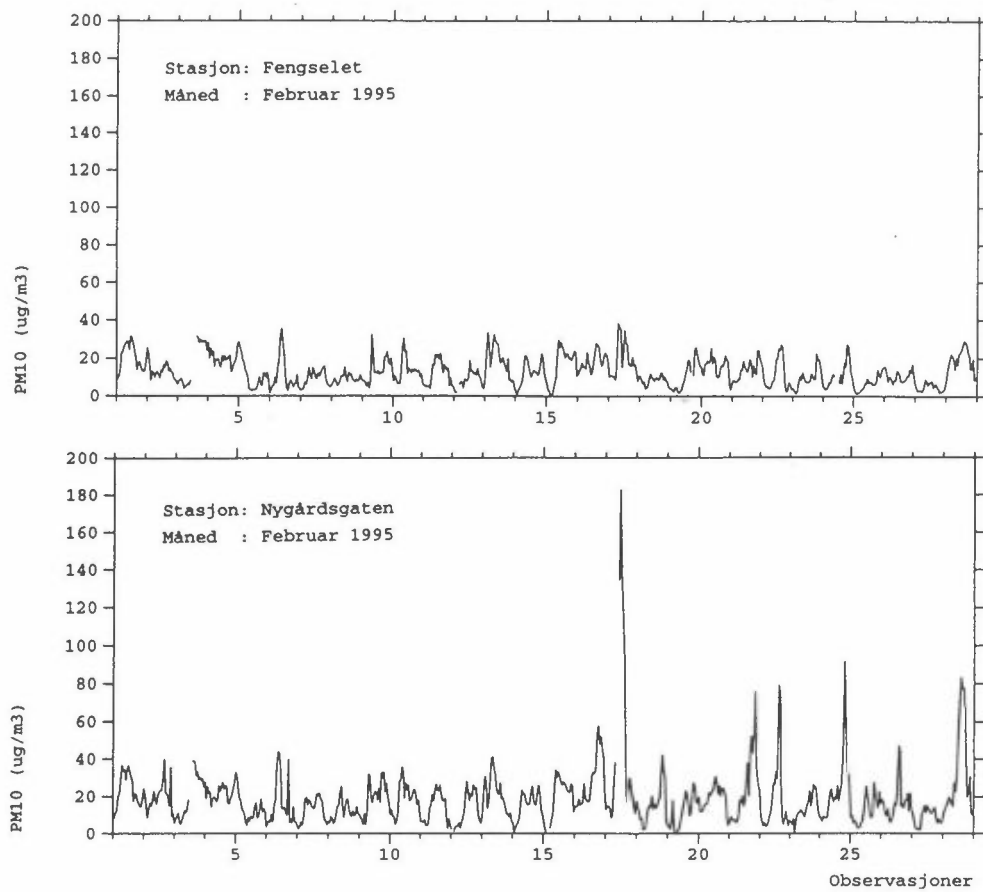


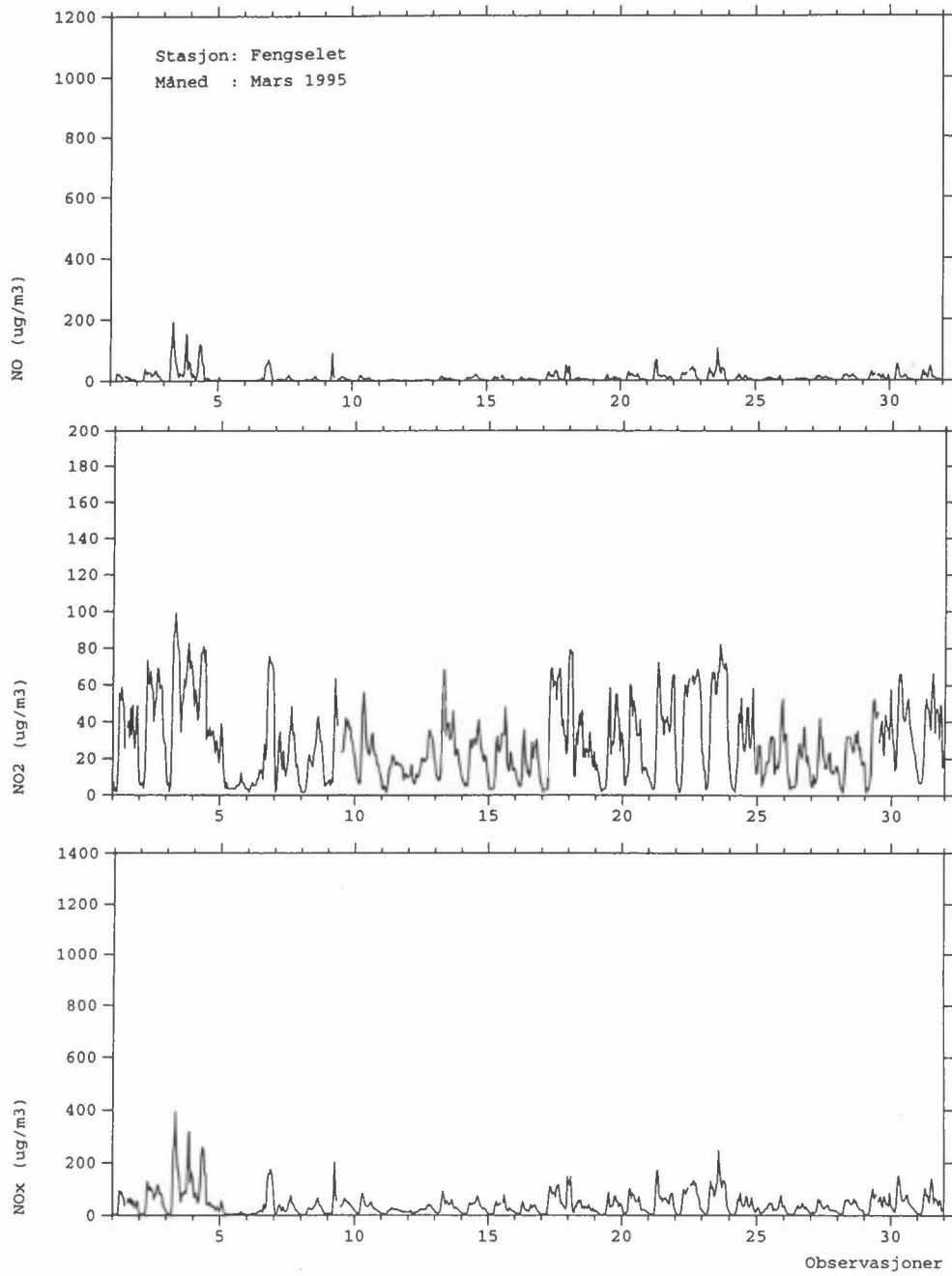


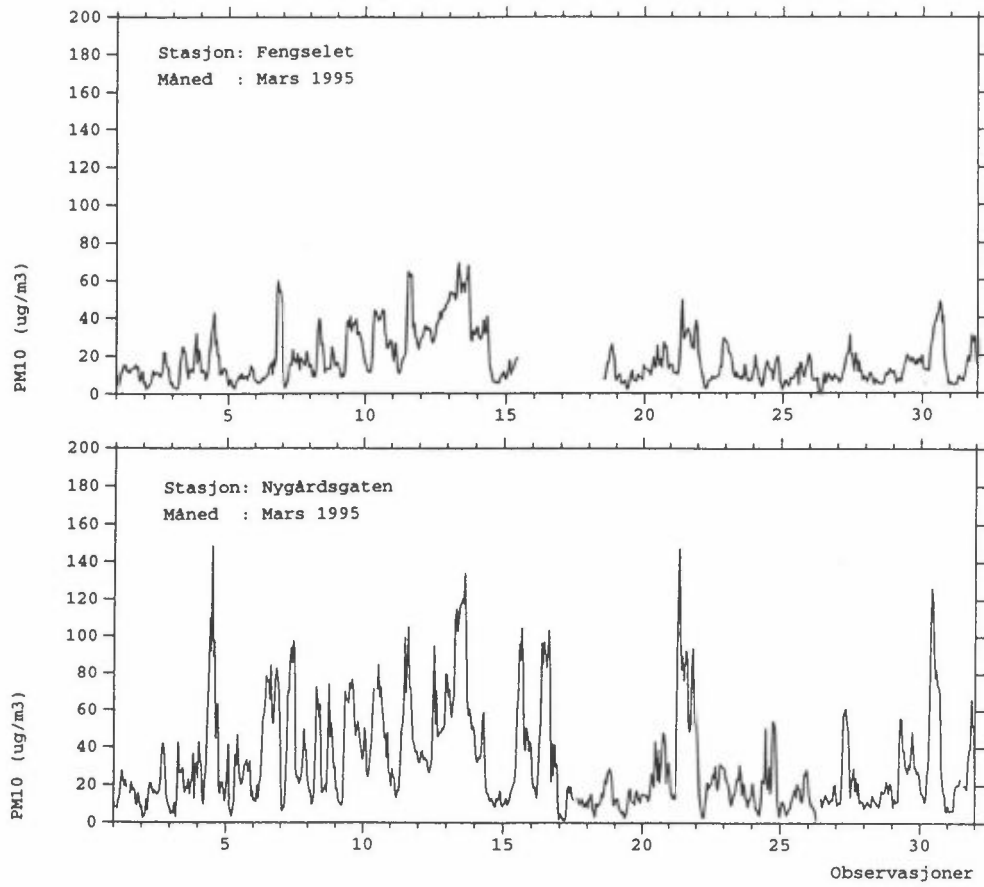




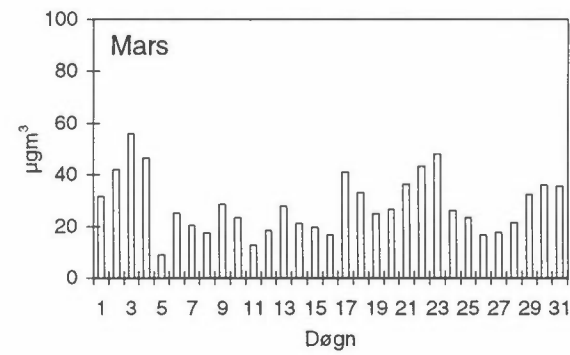
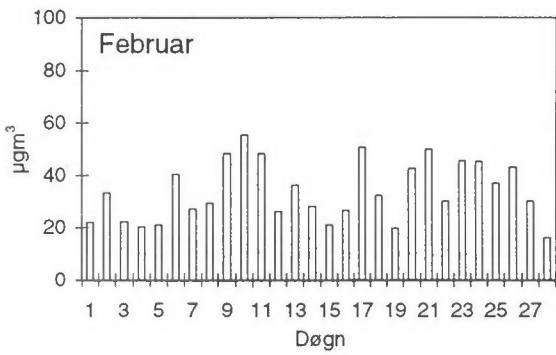
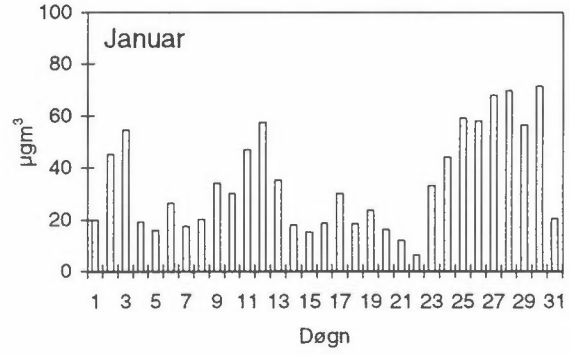
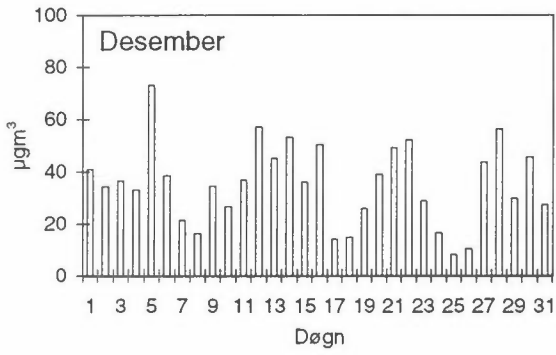
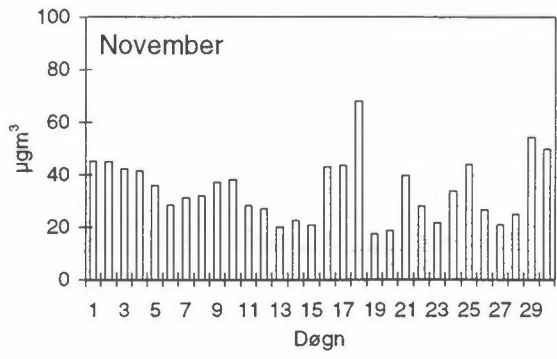
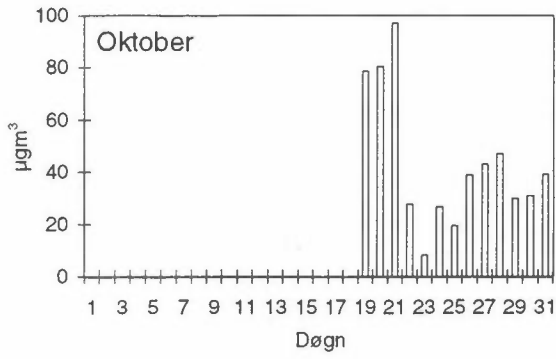


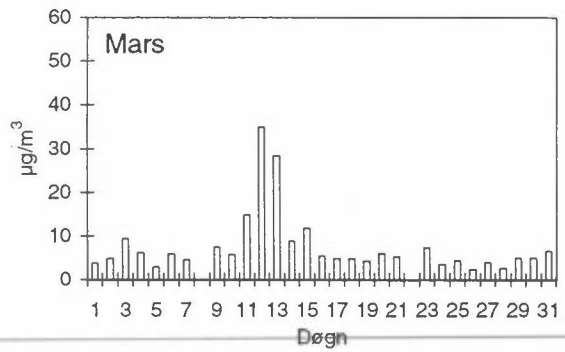
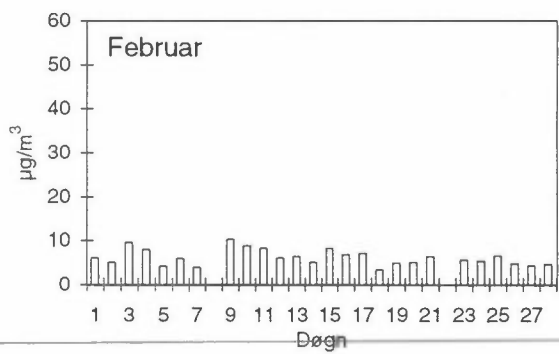
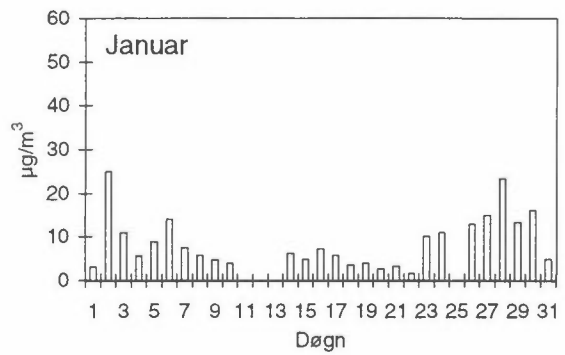
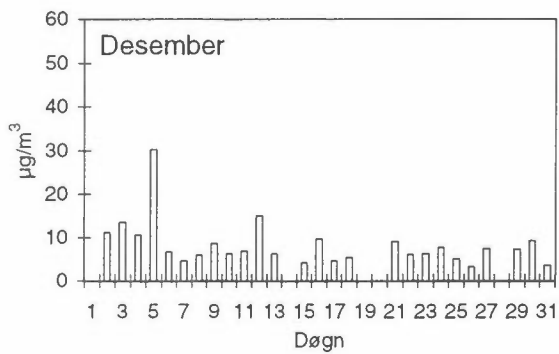
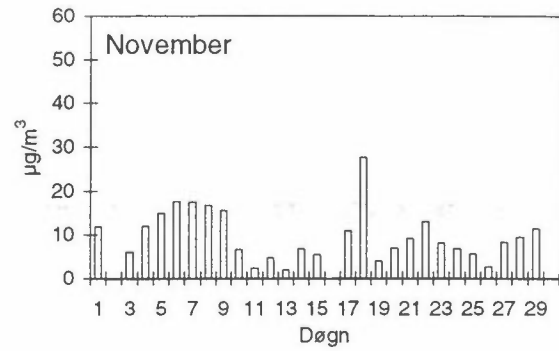
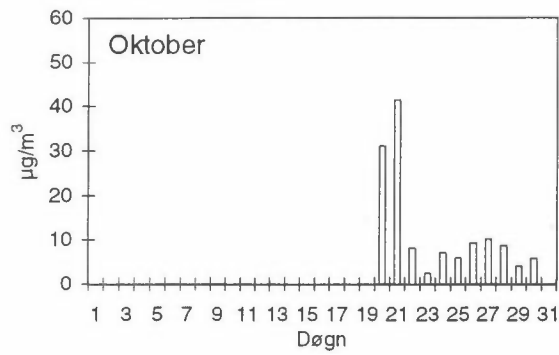




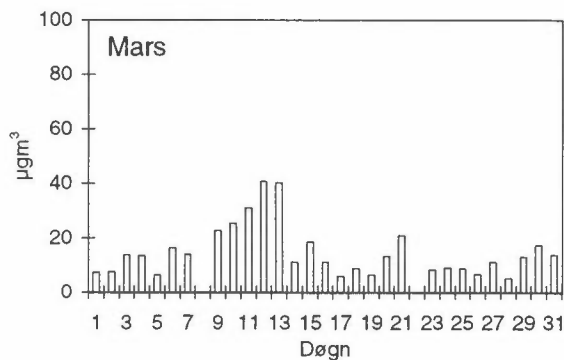
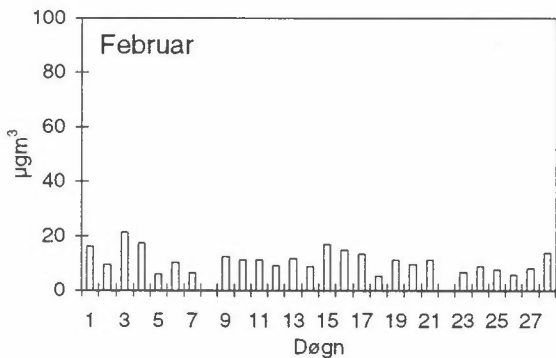
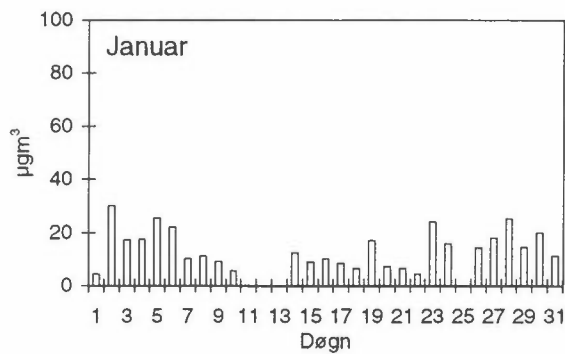
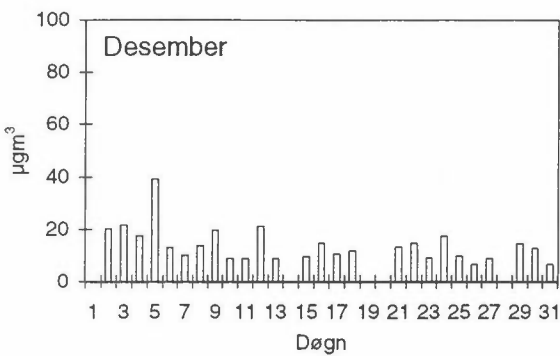
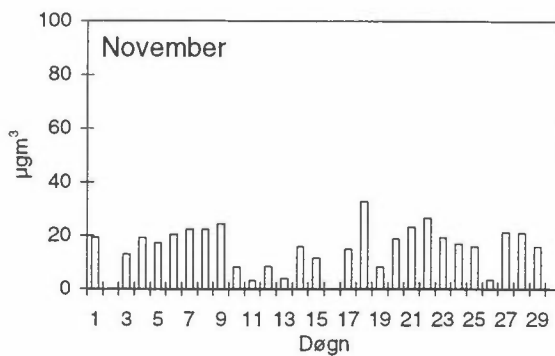
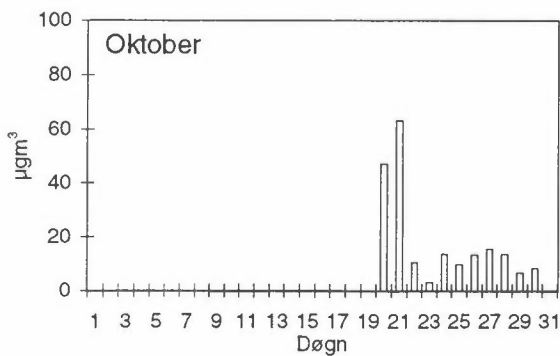


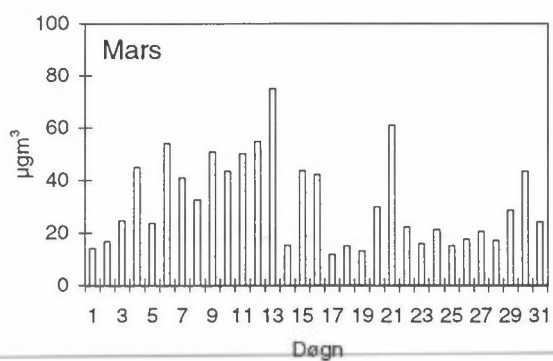
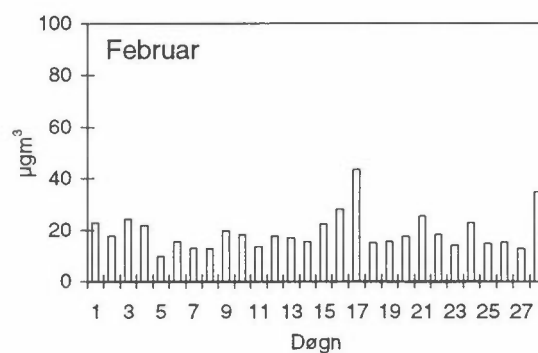
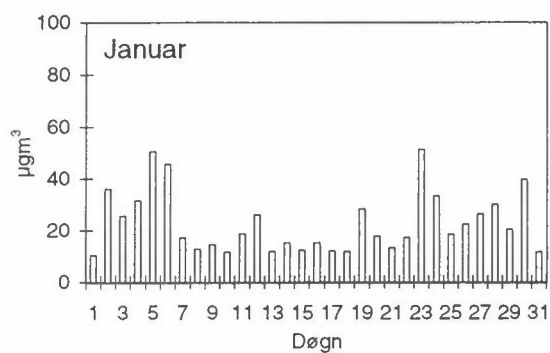
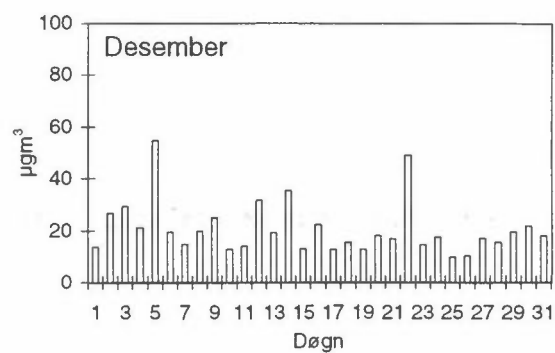
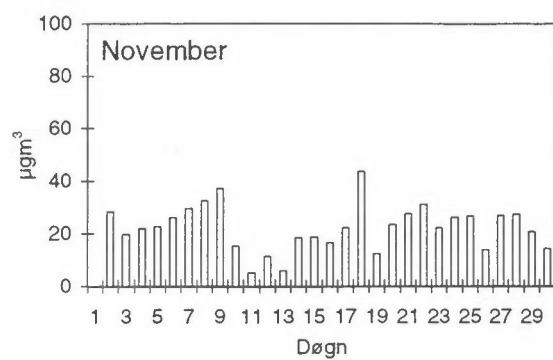
Bergen, fengslet, NO₂ (beregnet)



Bergen, Fengslet, PM_{2.5} (målt)

Bergen, fengslet, PM₁₀ (målt)



Bergen, Nygårdsgaten, PM₁₀ (beregnet)

Trondheim

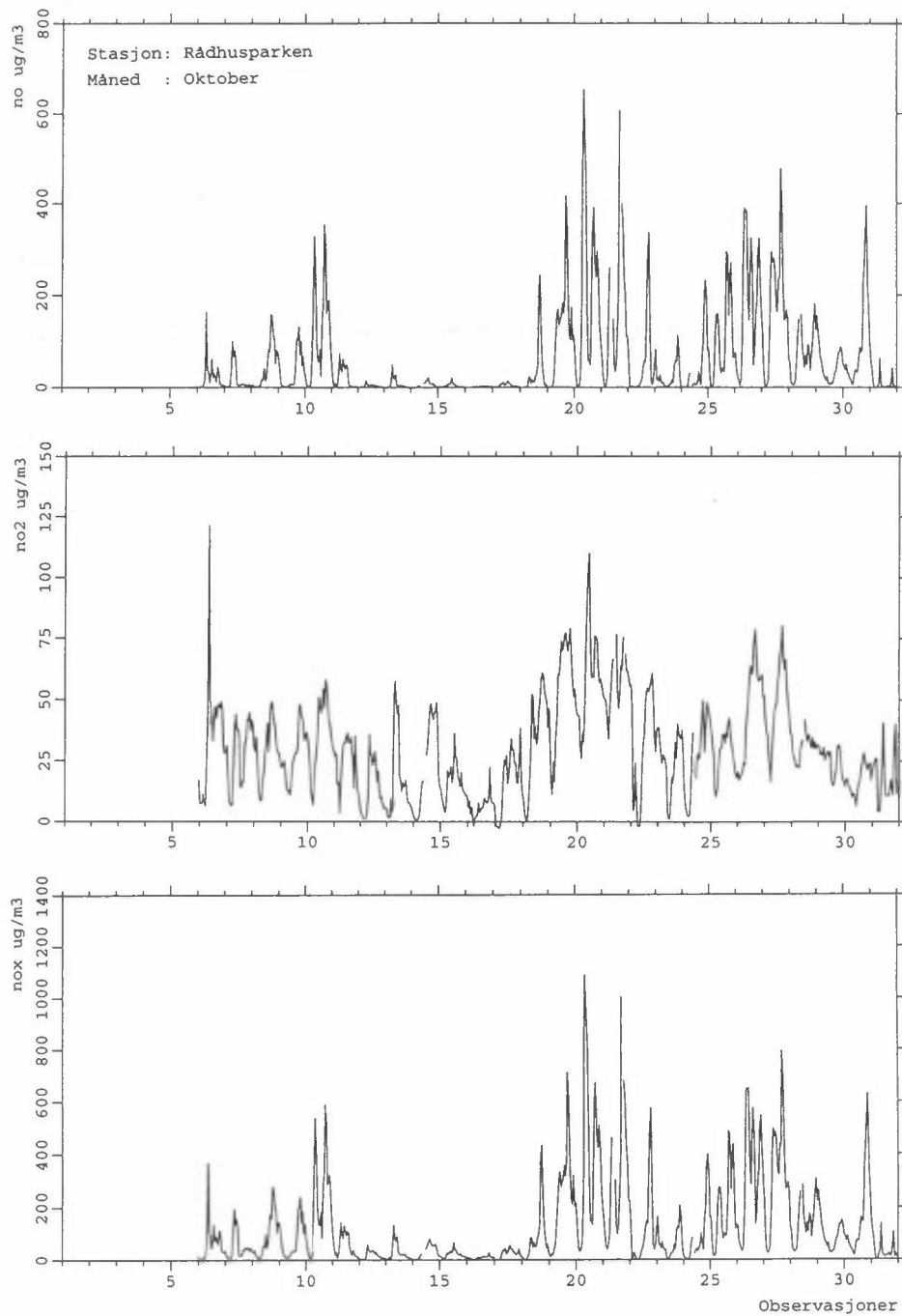
Rådhusparken, oktober 1994-mars 1995

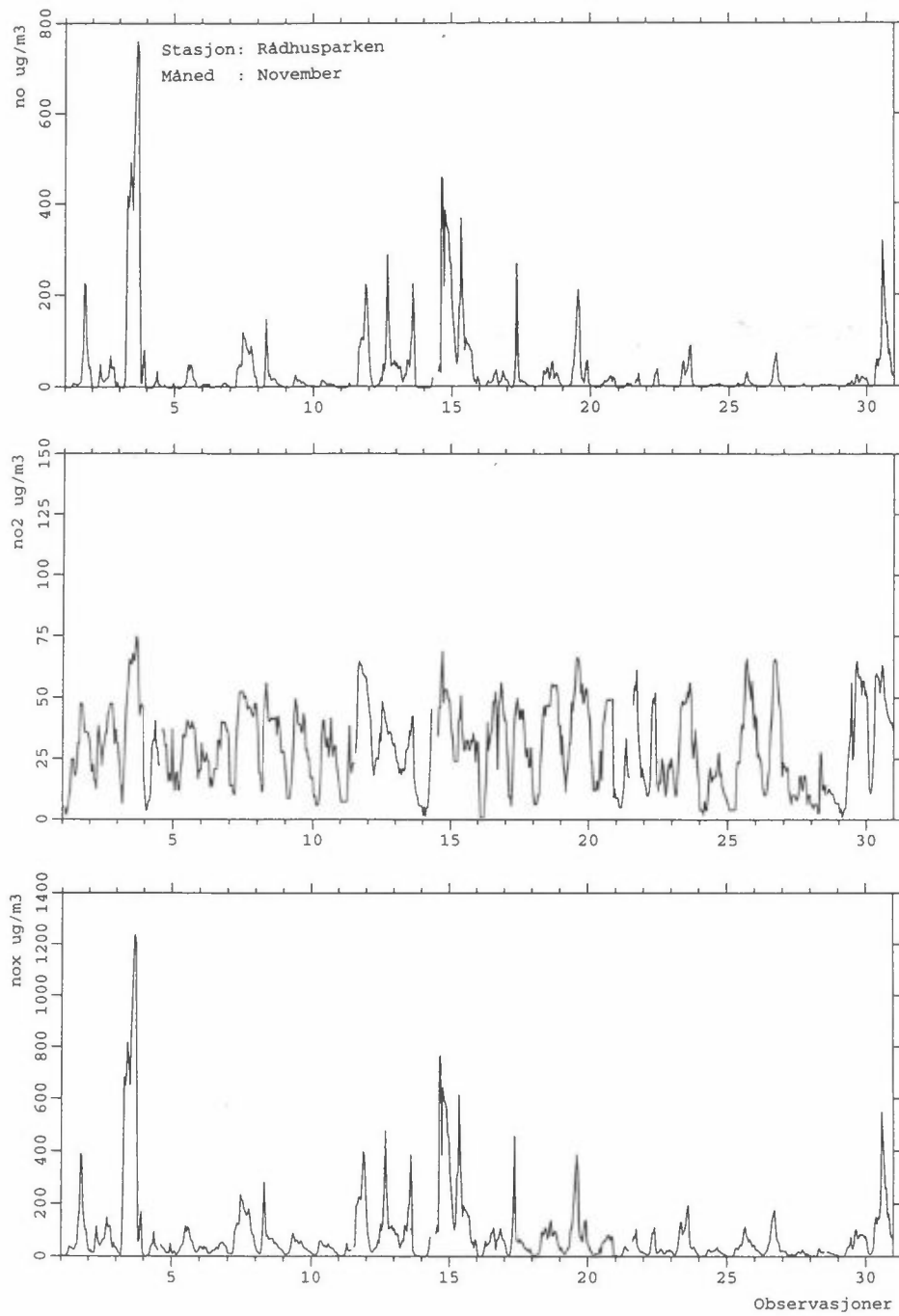
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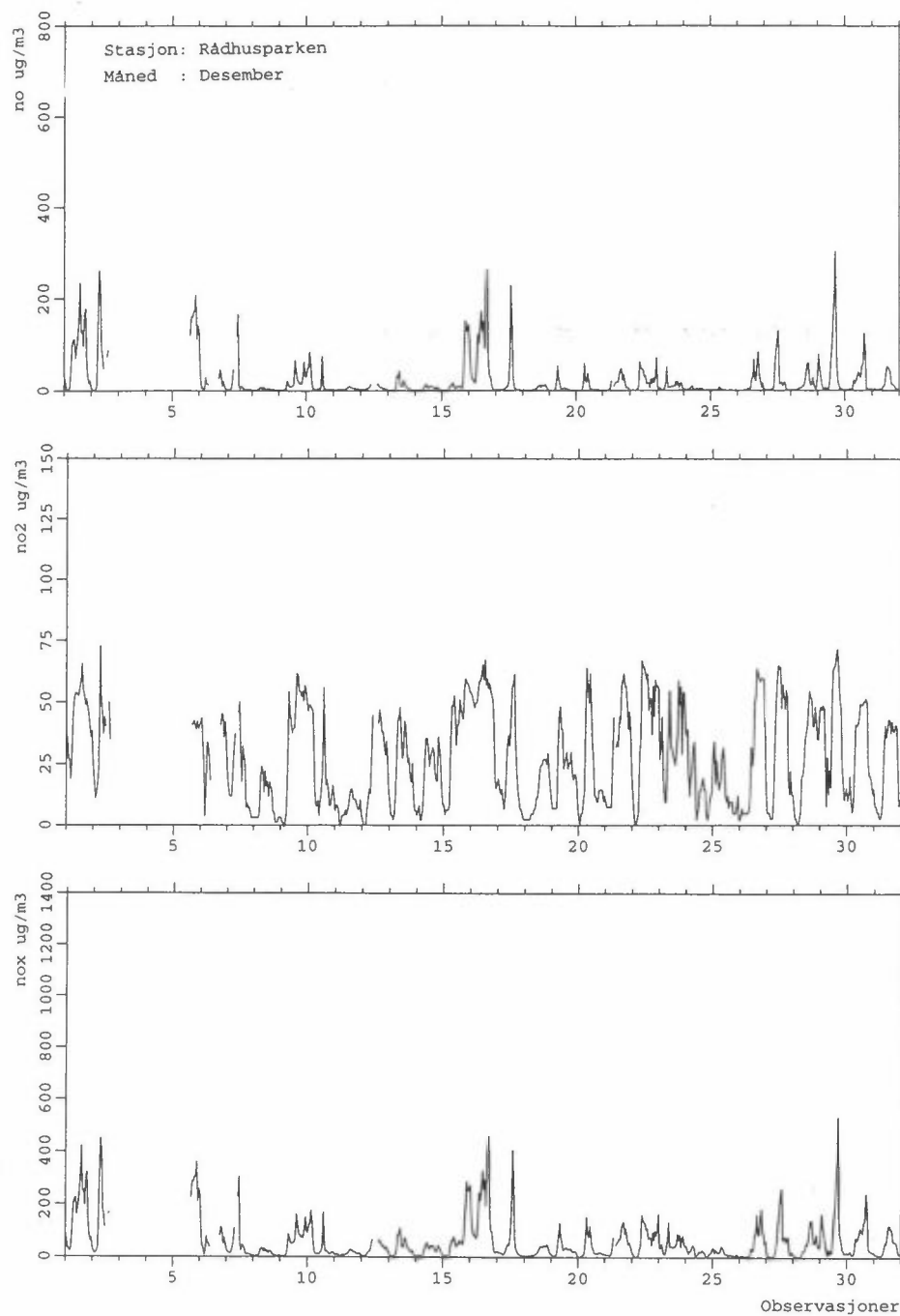
NO	($\mu\text{g}/\text{m}^3$)
NO ₂	($\mu\text{g}/\text{m}^3$)
NO _x	($\mu\text{g NO}_2/\text{m}^3$)

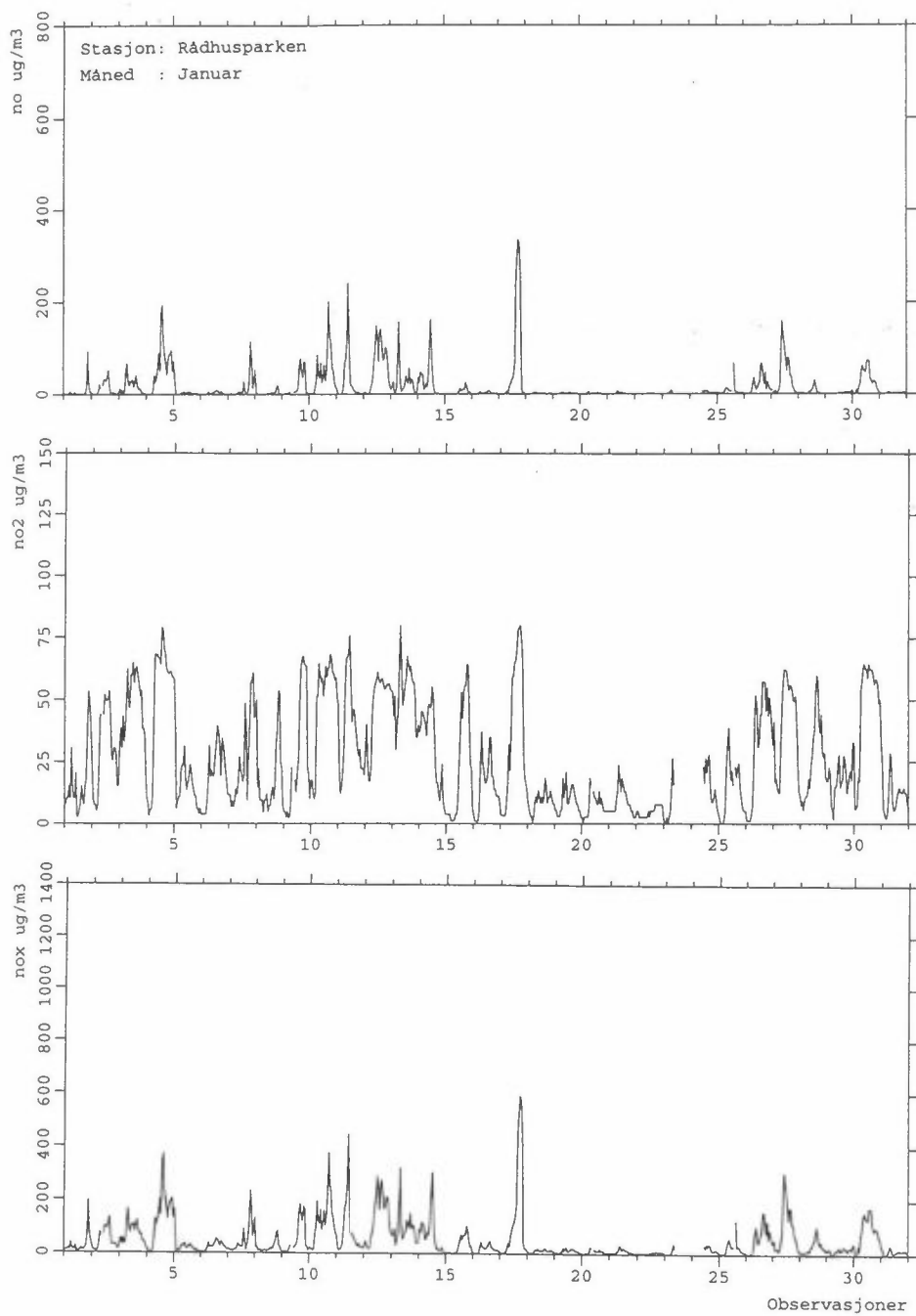
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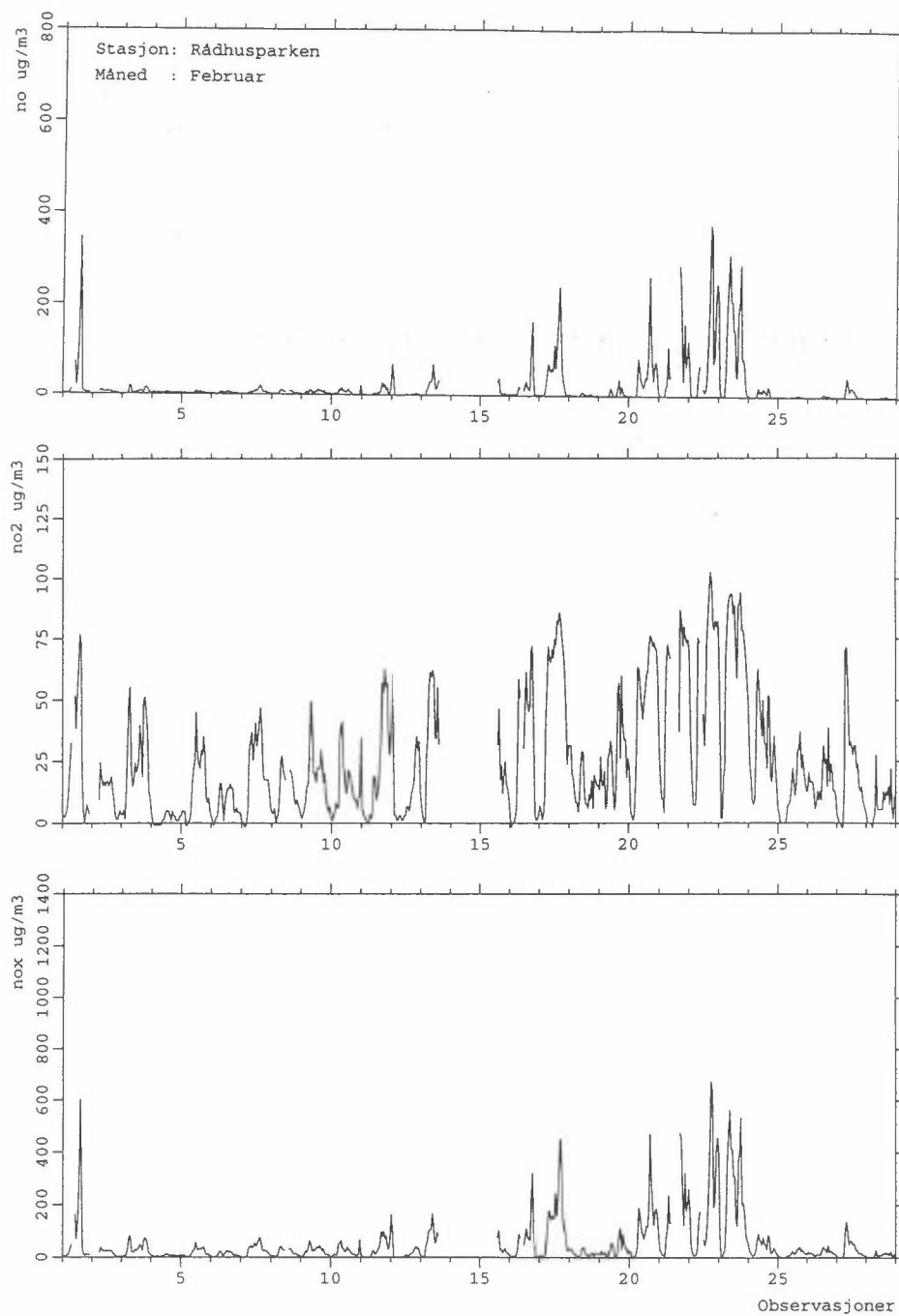
NO ₂	($\mu\text{g}/\text{m}^3$)
PM _{2,5}	($\mu\text{g}/\text{m}^3$)
PM ₁₀	($\mu\text{g}/\text{m}^3$)

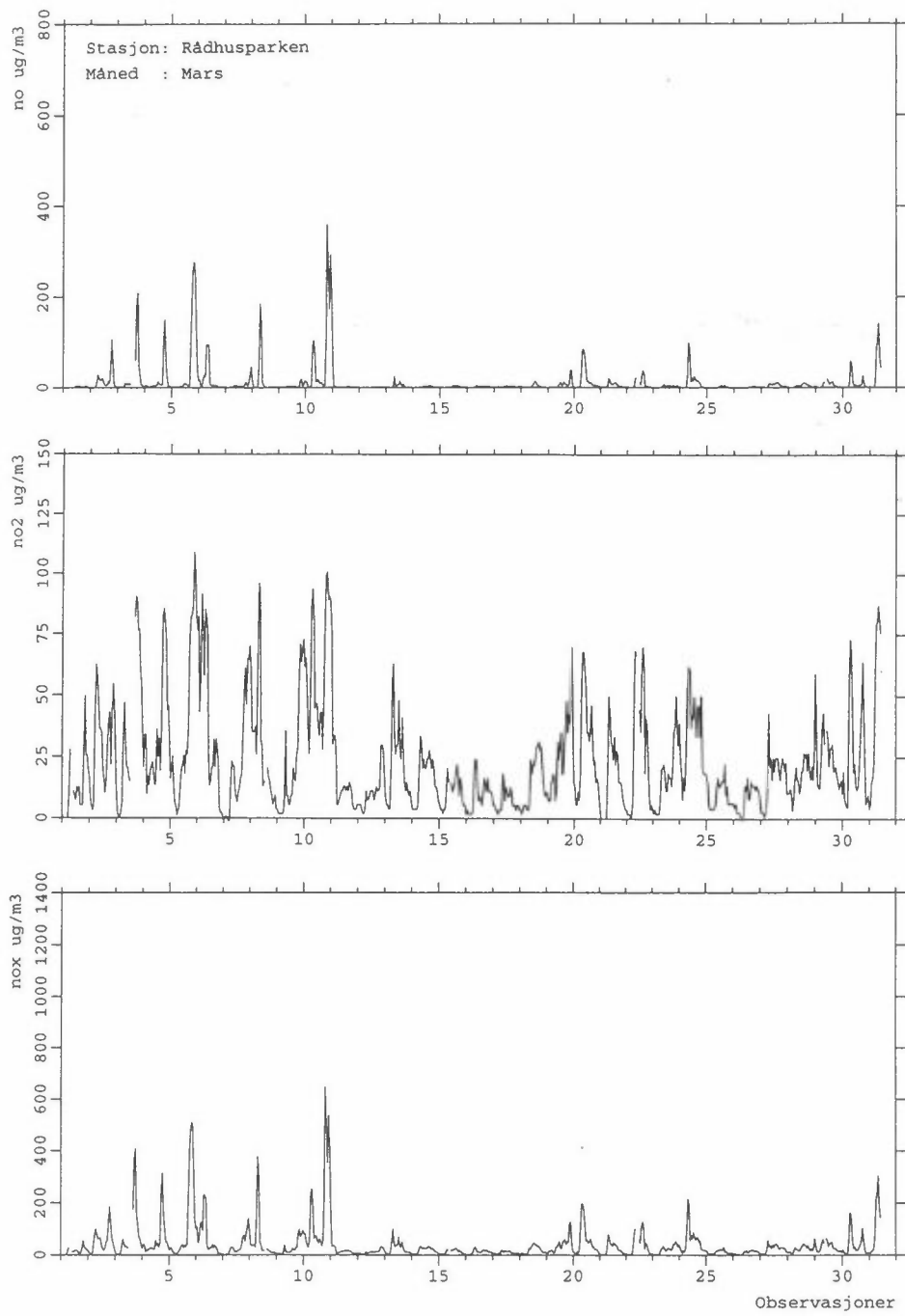


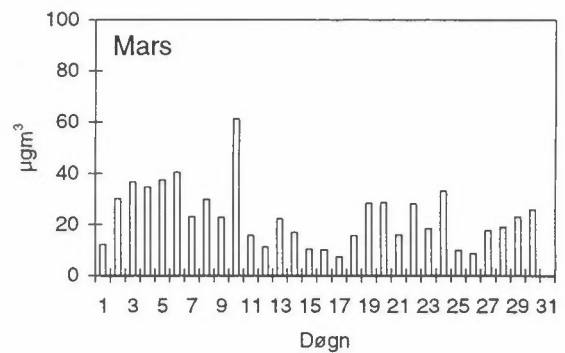
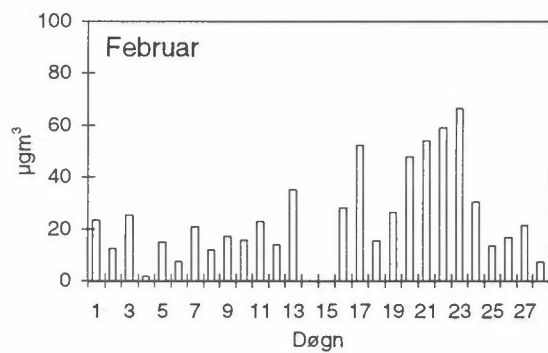
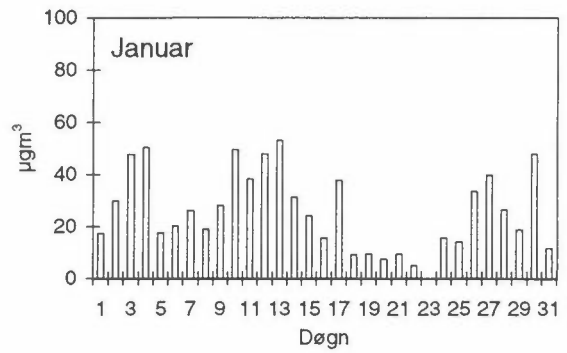
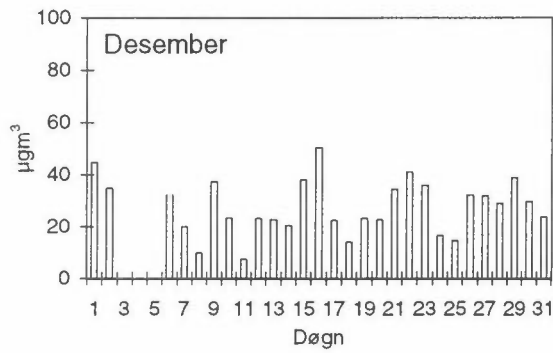
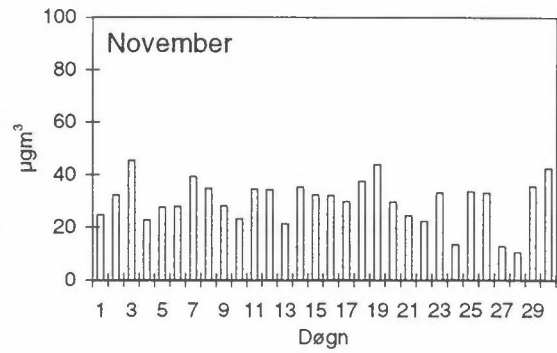
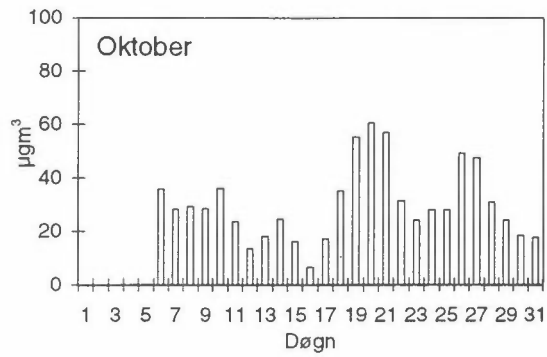




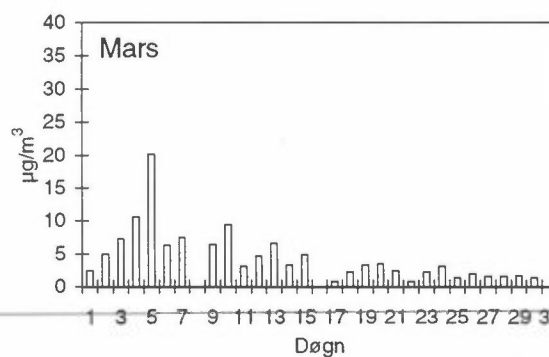
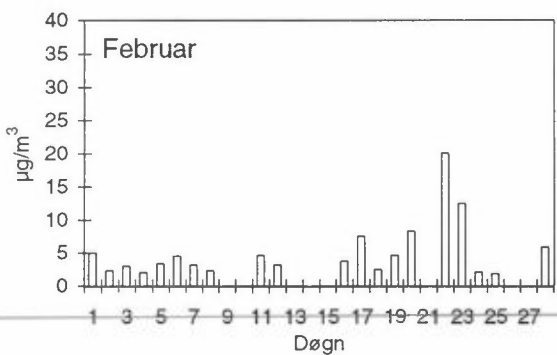
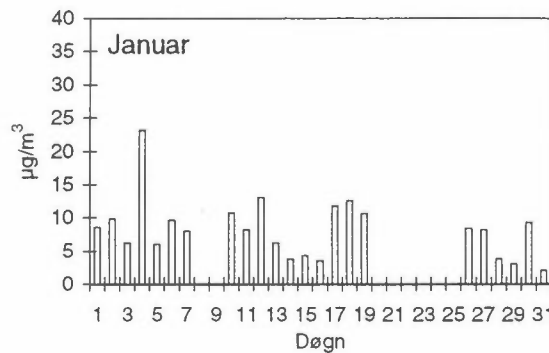
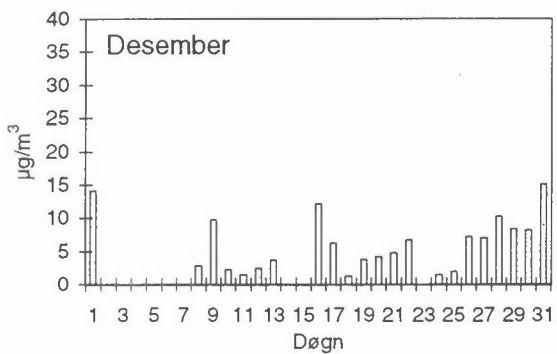
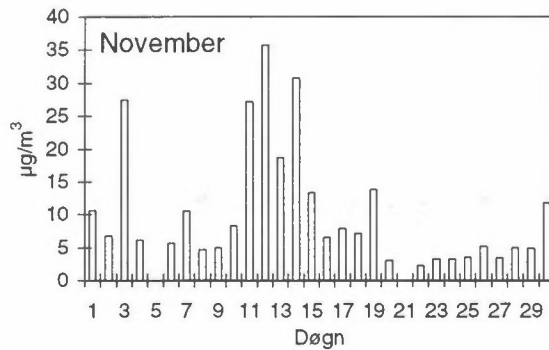
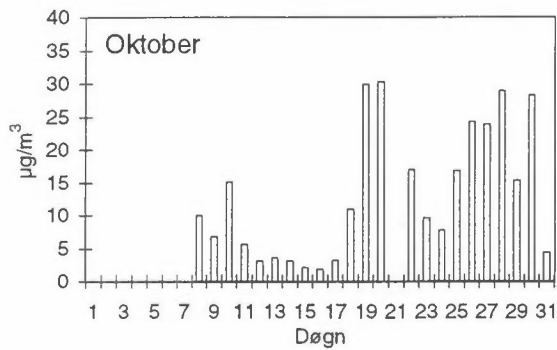


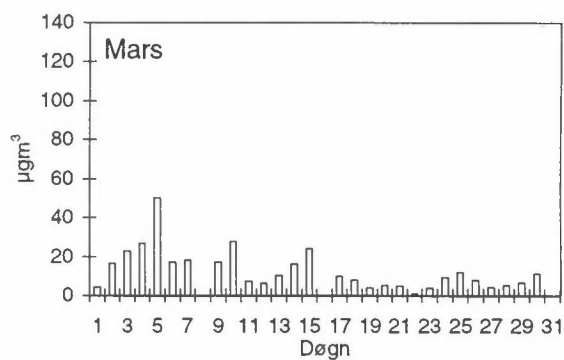
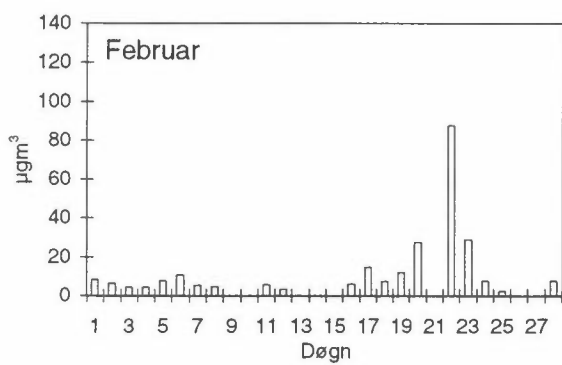
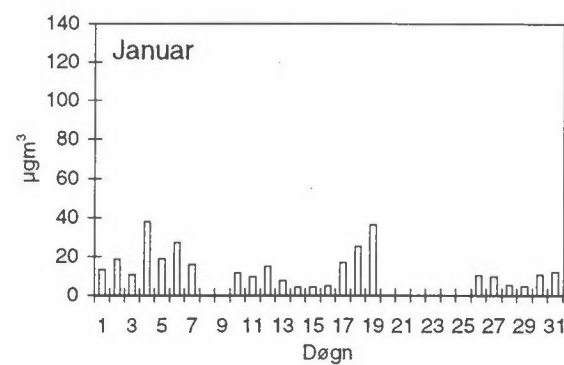
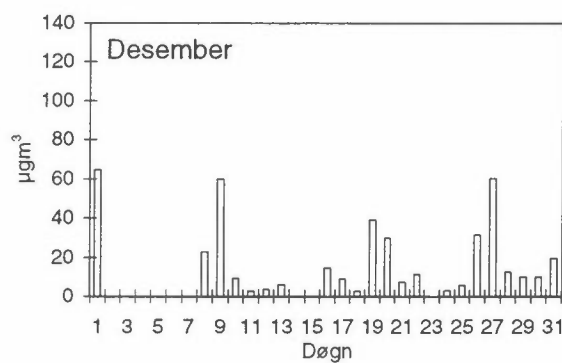
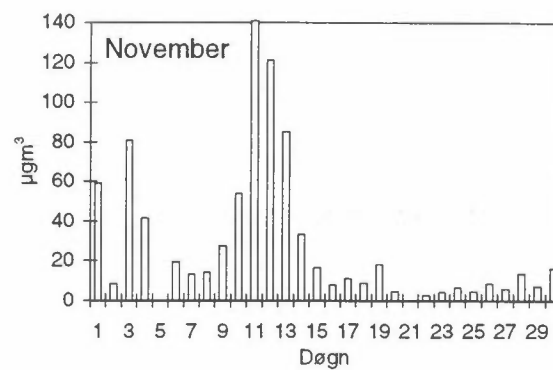
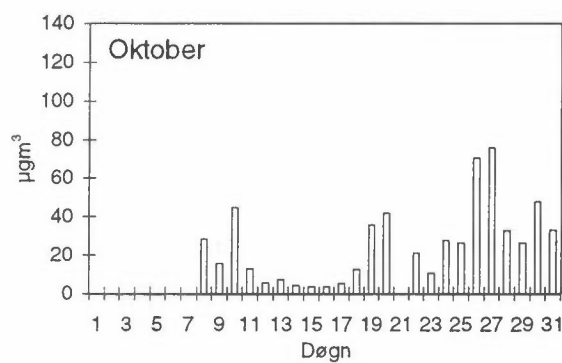




Trondheim, Rådhusparken. NO₂ (beregnet)

Trondheim, Rådhusparken, PM_{2,5} (målt)



Trondheim, Rådhusparken, PM₁₀ (målt)

Vedlegg B:

Grafisk presentasjon av timemiddeldata av meteorologiske parametre

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice G. D. C. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

2. The second part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

3. The third part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

4. The fourth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

5. The fifth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

6. The sixth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

7. The seventh part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

8. The eighth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

9. The ninth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

10. The tenth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

11. The eleventh part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

12. The twelfth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

13. The thirteenth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

14. The fourteenth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

15. The fifteenth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

16. The sixteenth part of the document is a list of names and titles, including "The Hon. Mr. Justice J. J. O'Connell" and "The Hon. Mr. Justice J. J. O'Connell".

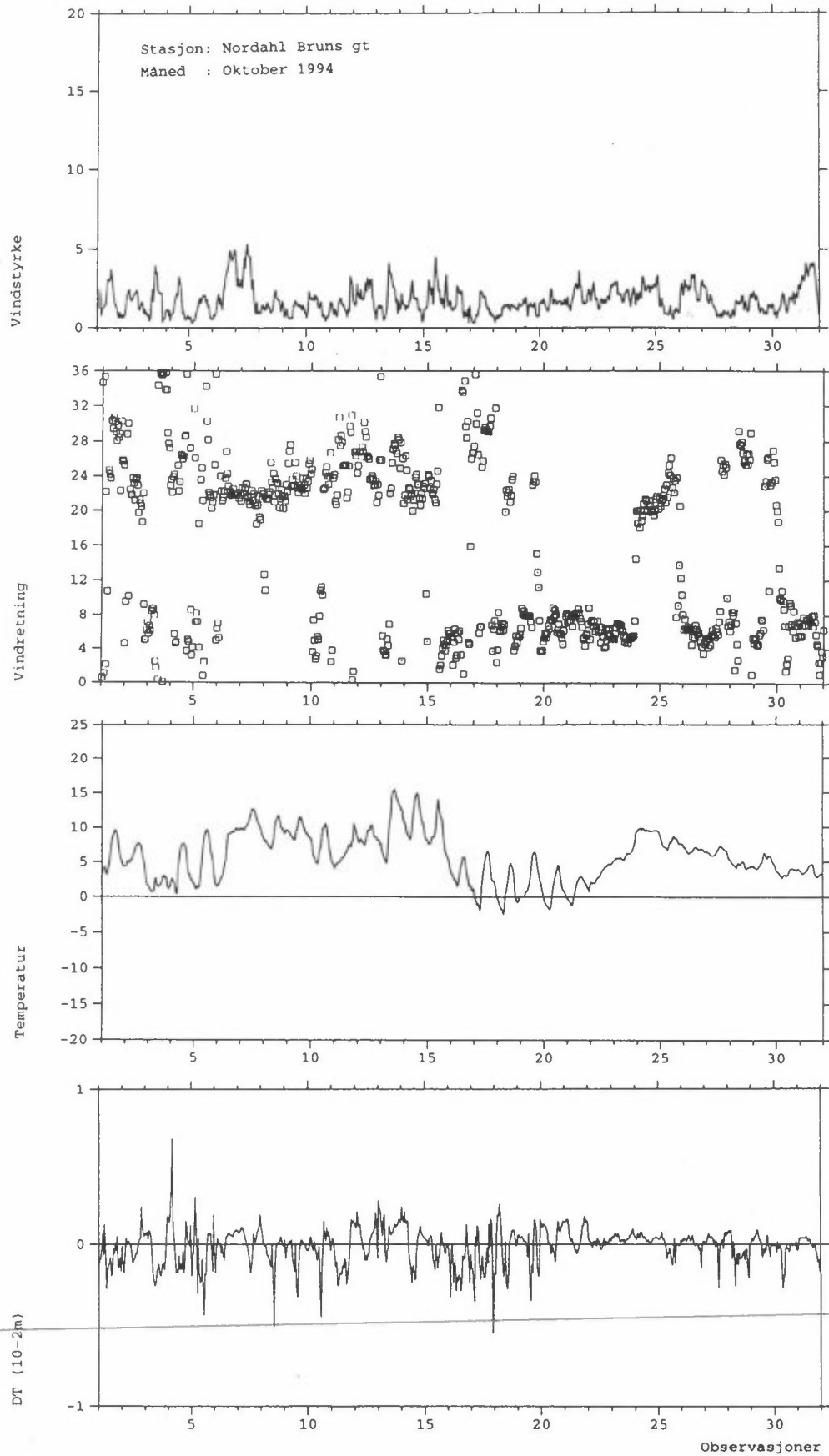
Oslo

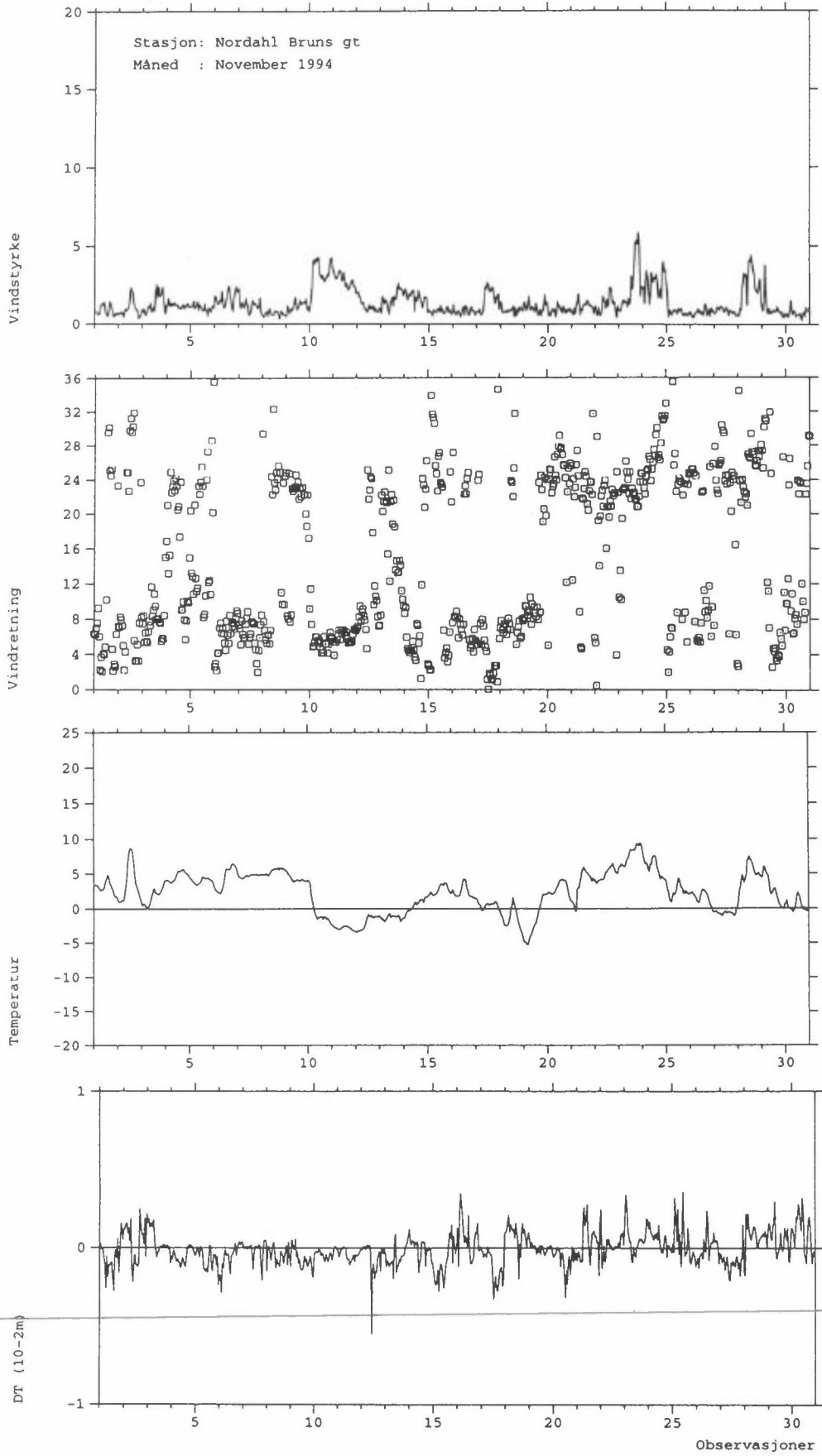
Nordahl Bruns gate, oktober 1994-mars 1995

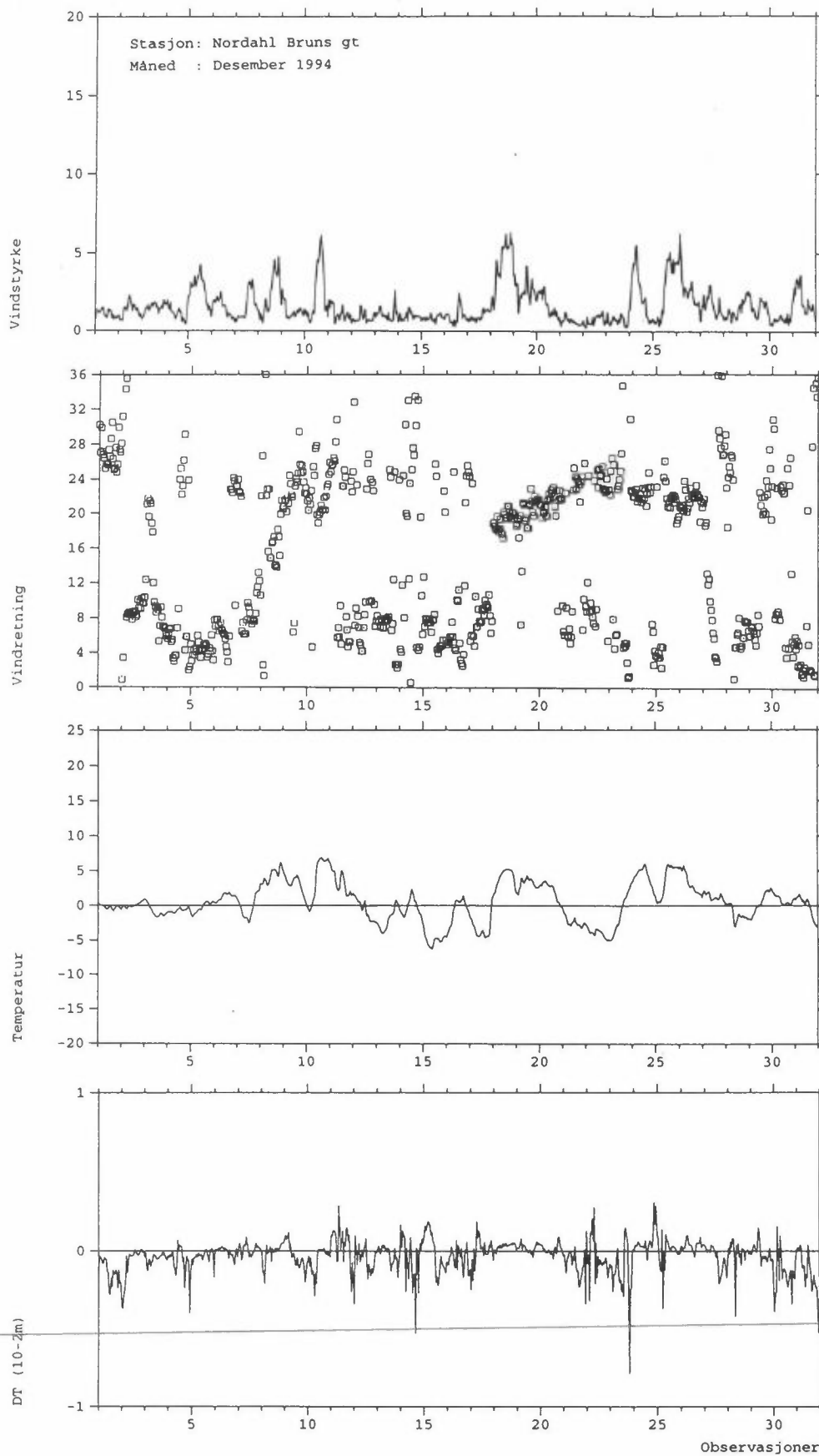
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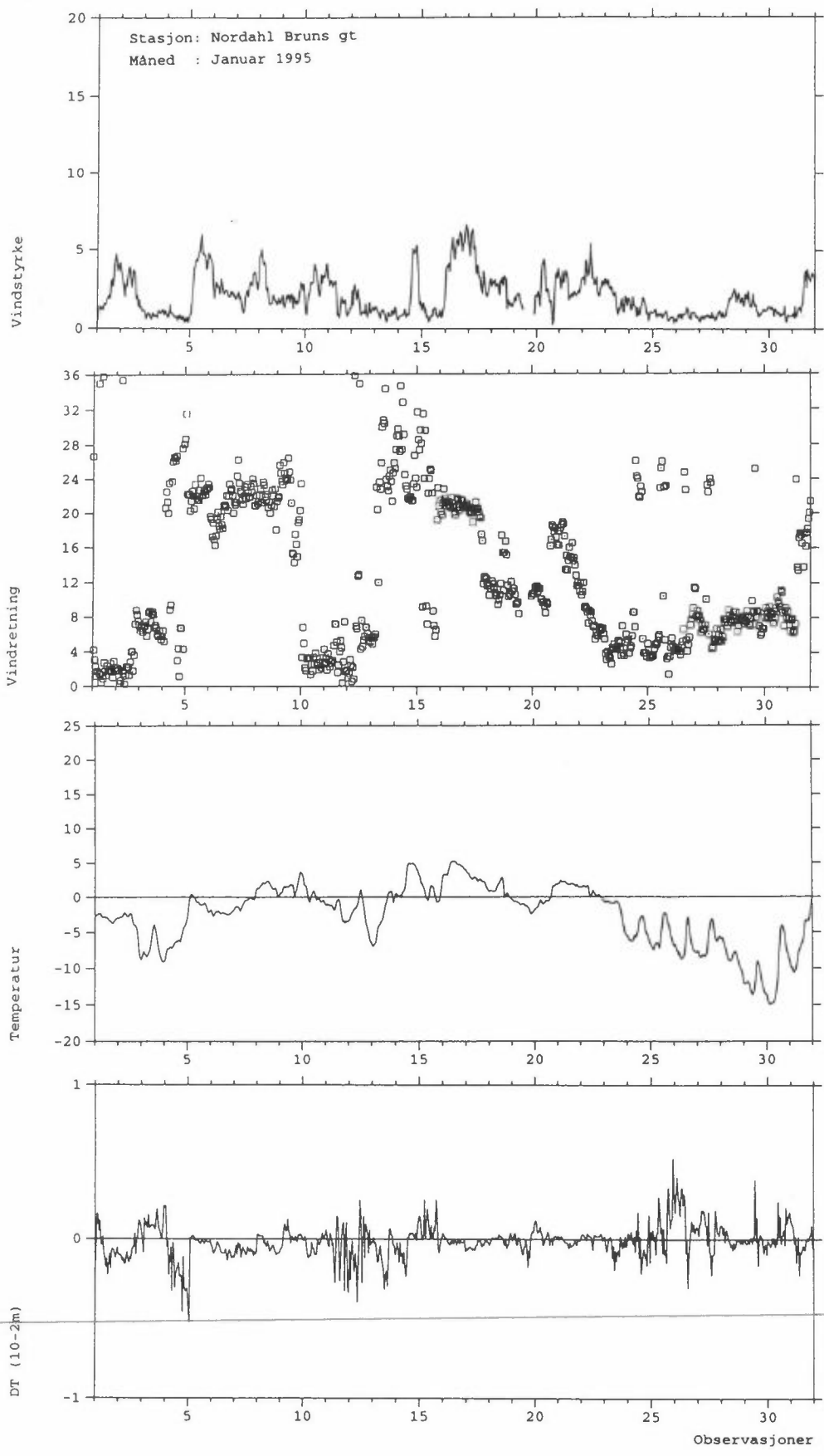
Vindstyrke (m/s)
Vindretning (dekagrader)
Temperatur (°C)
Stabilitet (°C)

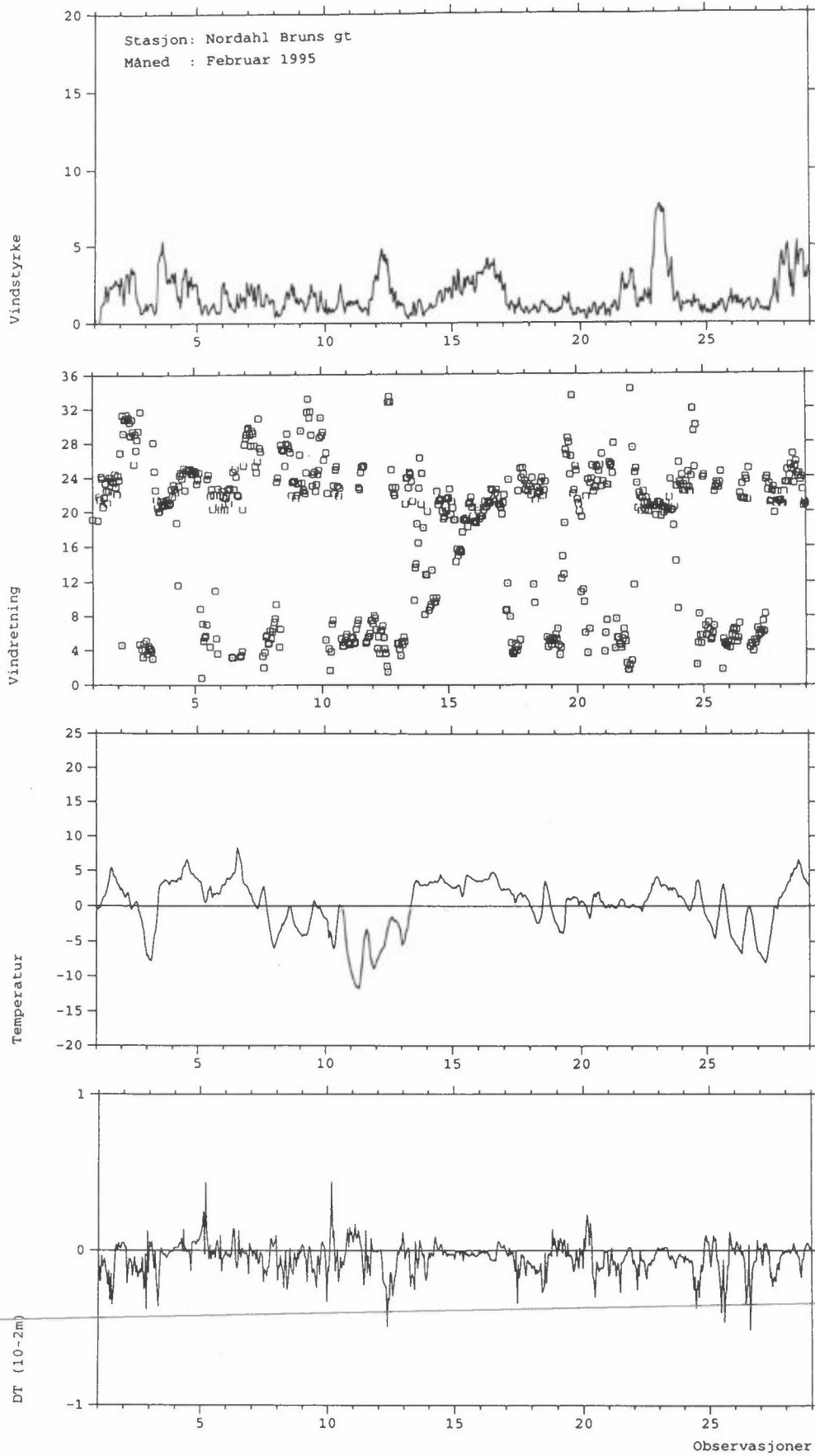
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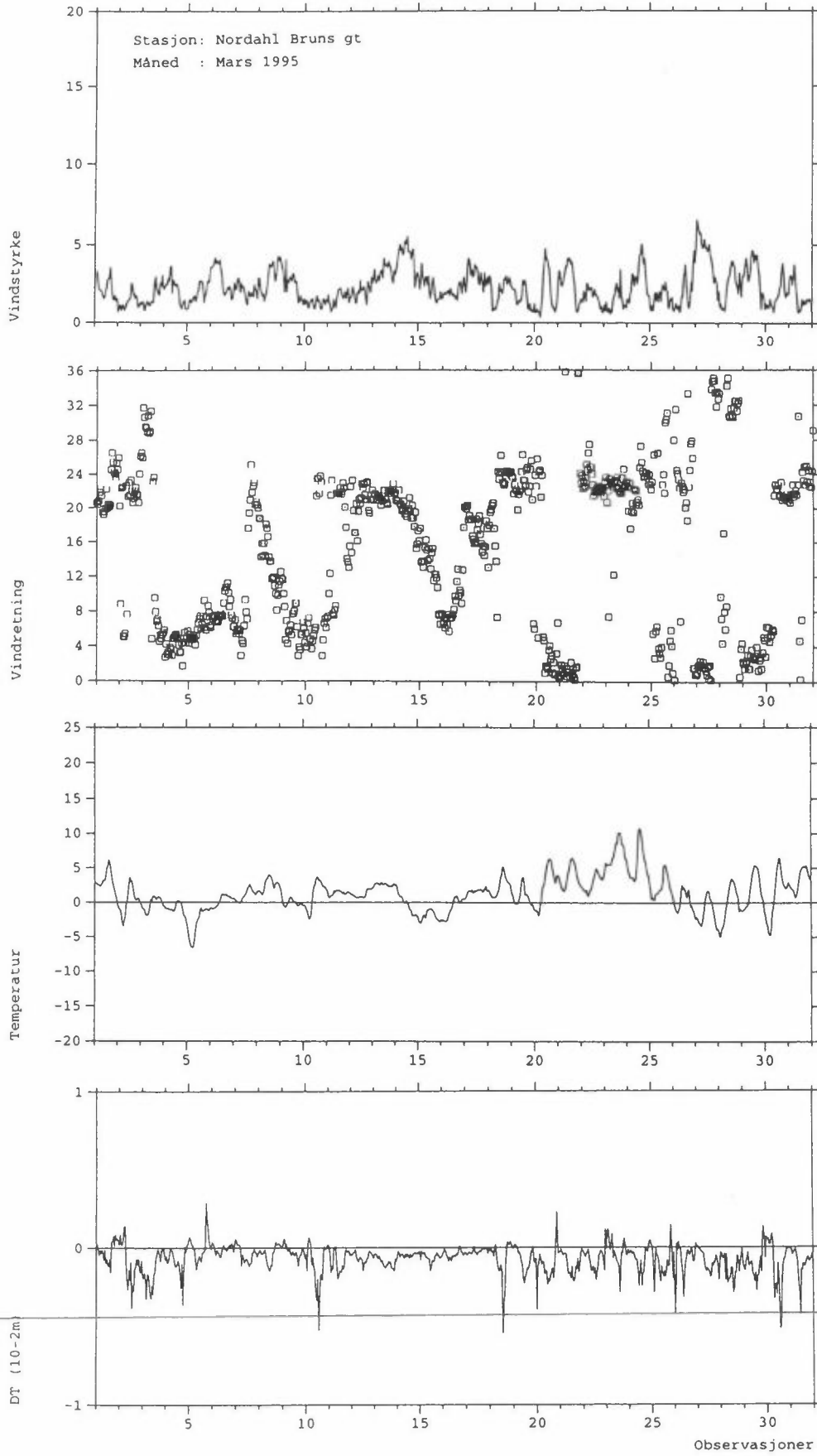












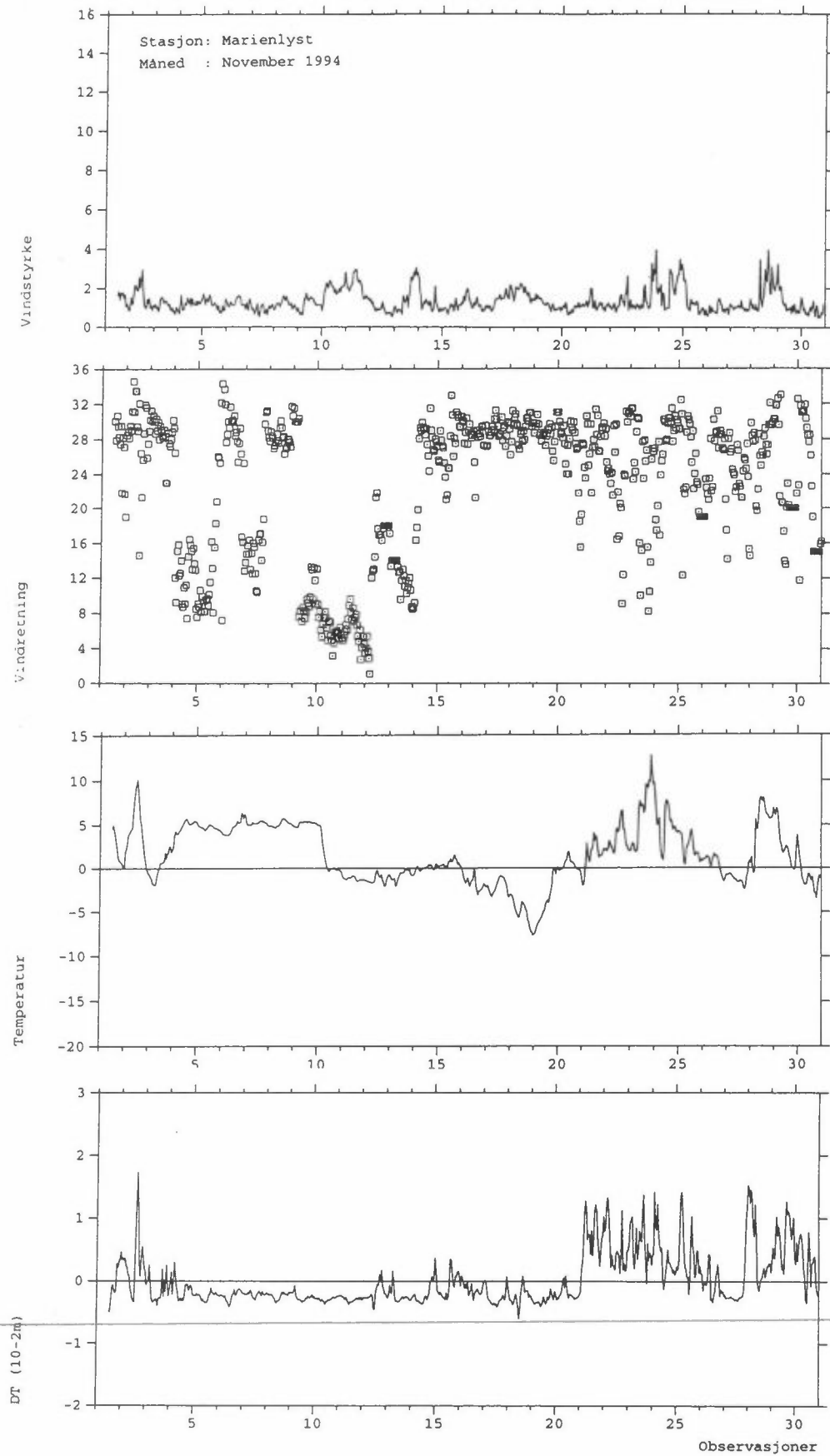
Drammen

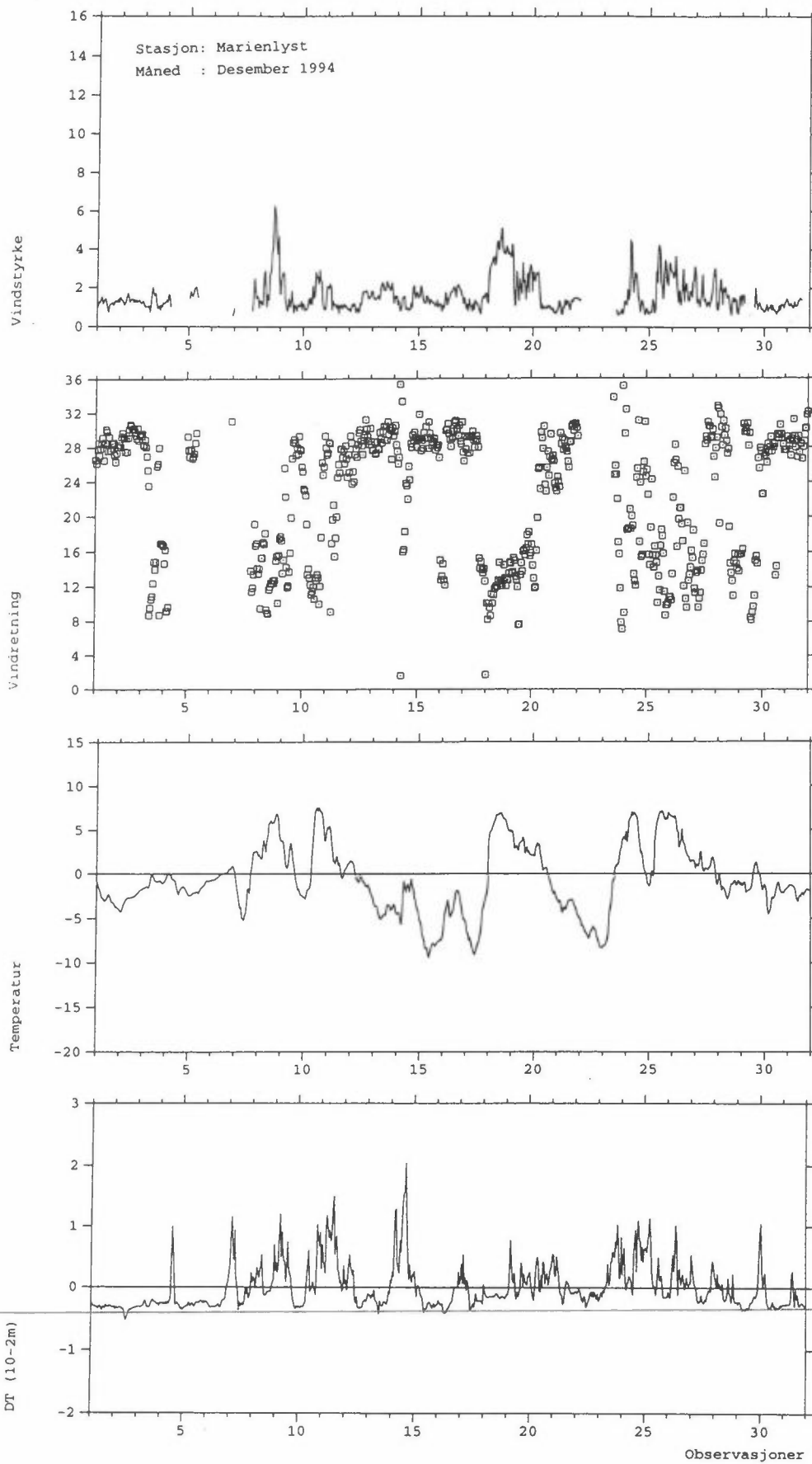
Marienlyst, november 1994-mars 1995

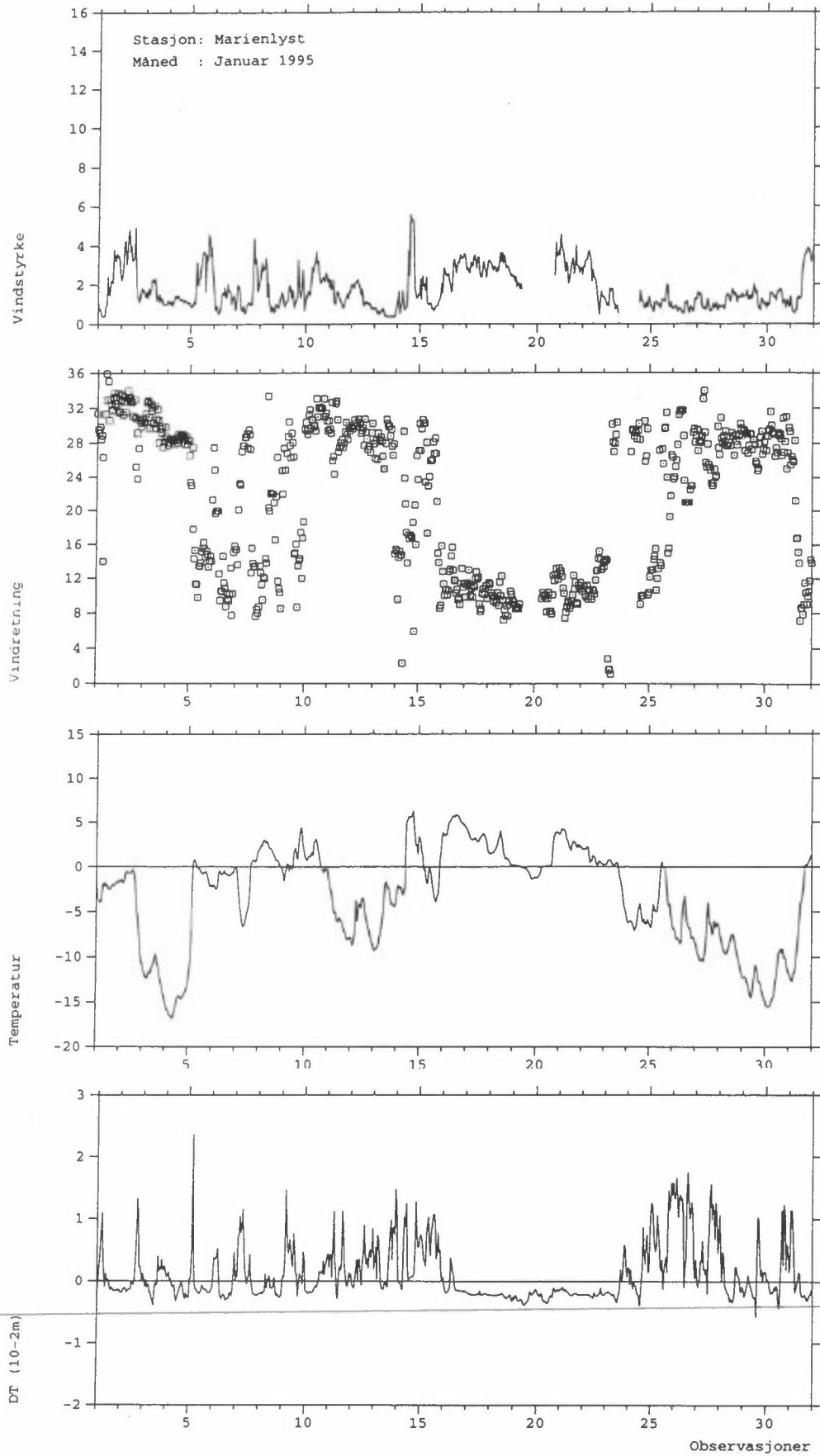
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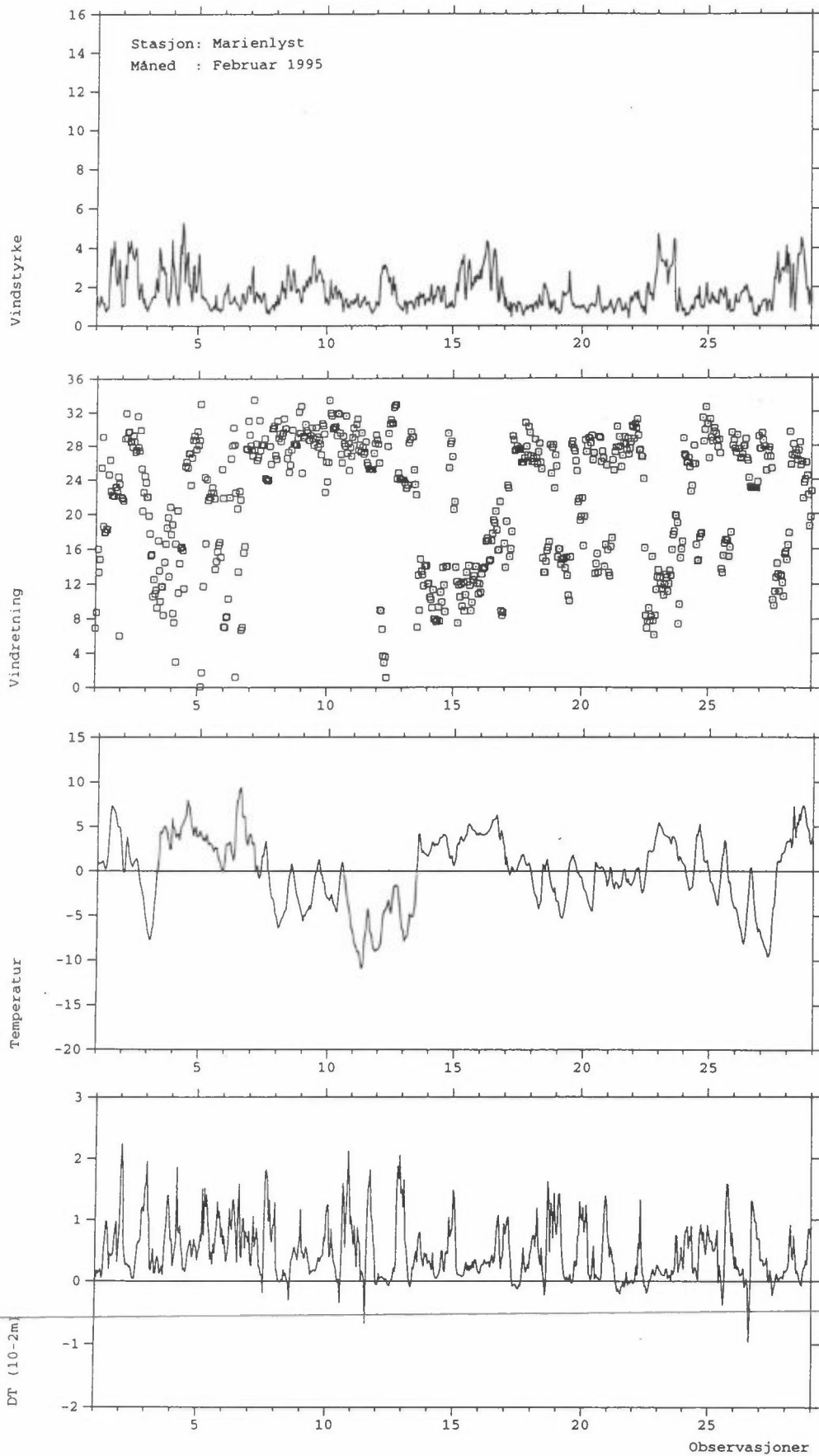
Vindstyrke	(m/s)
Vindretning	(dekagrader)
Temperatur	(°C)
Stabilitet	(°C)

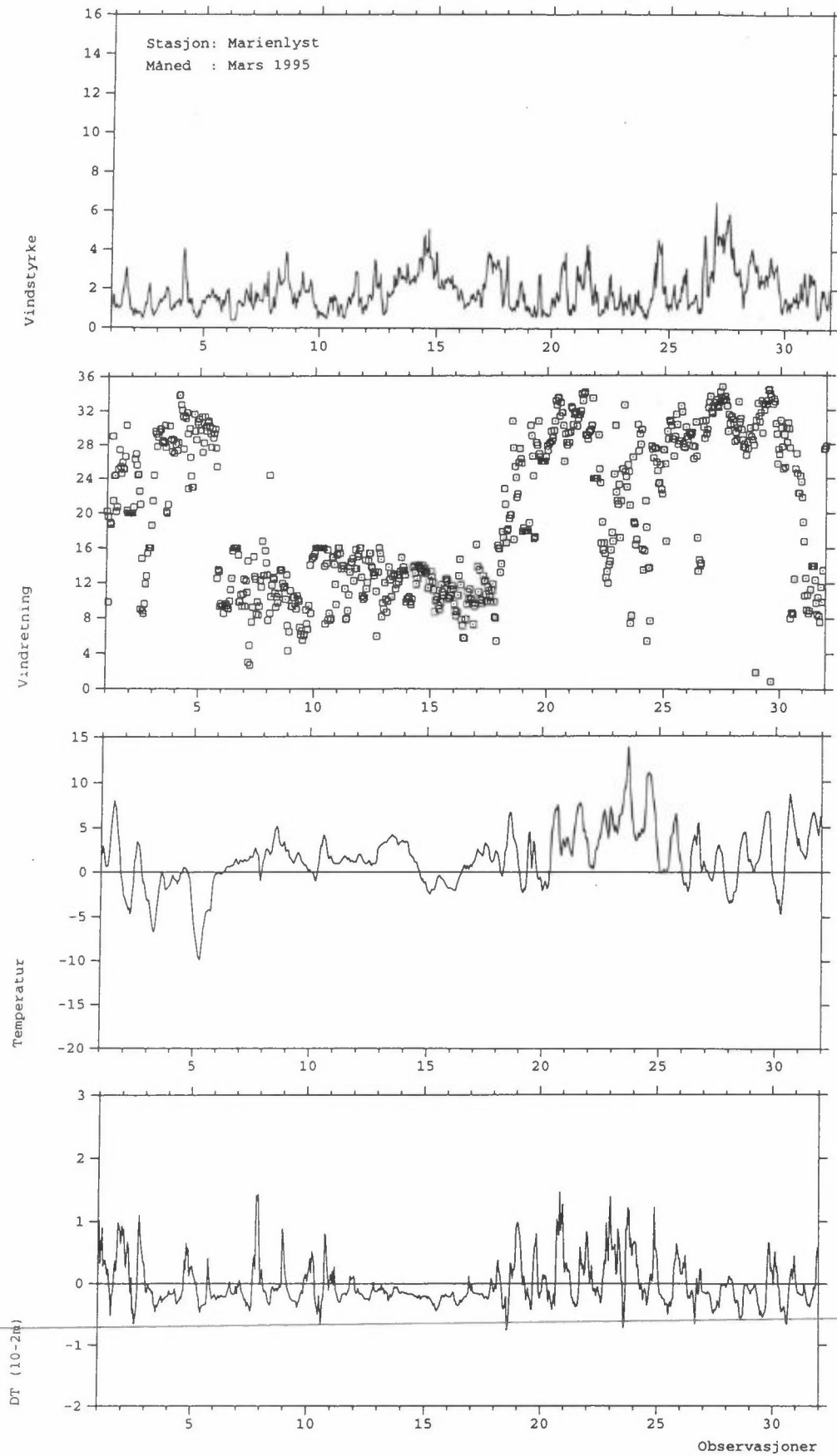
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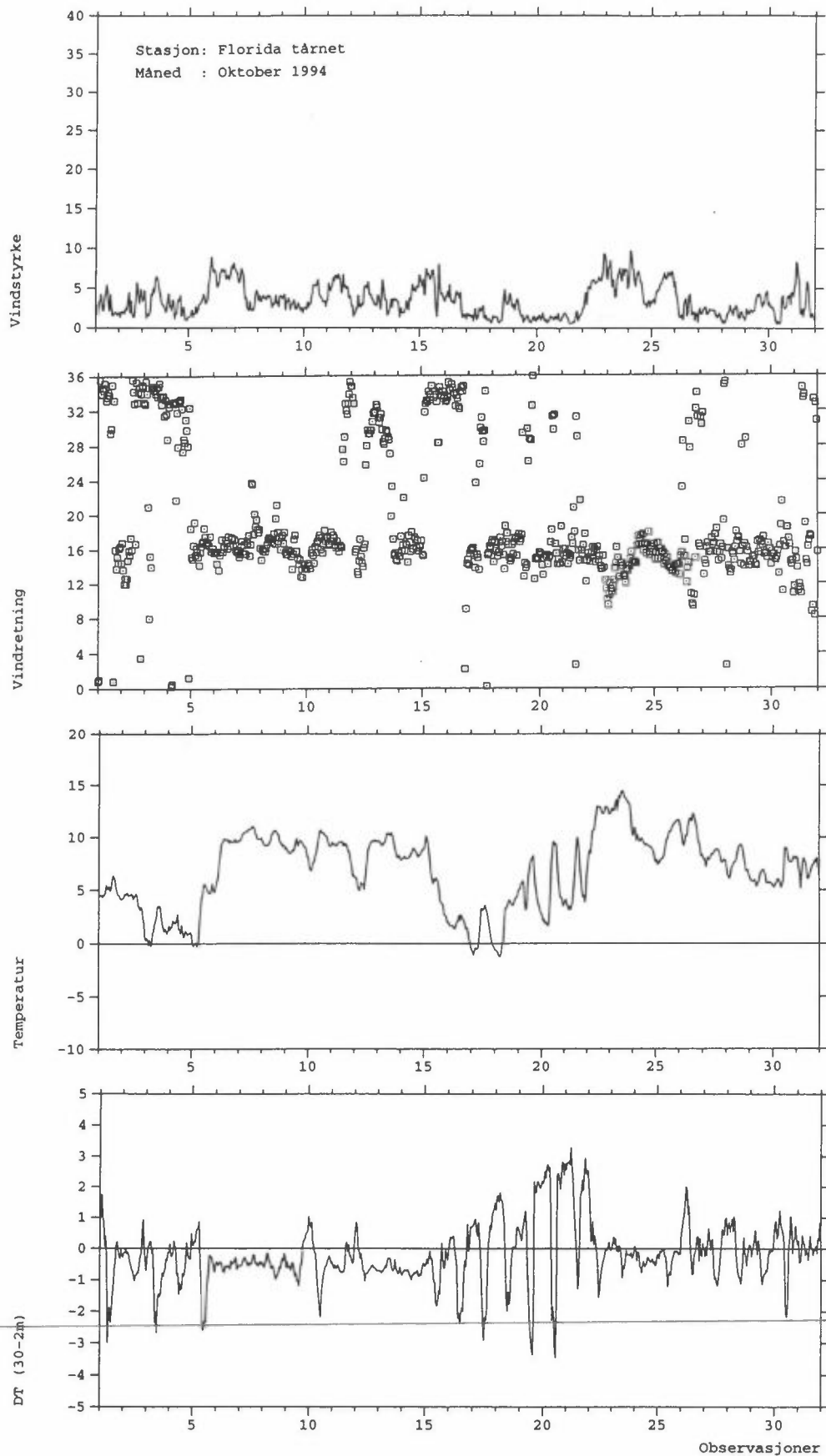
THE UNIVERSITY OF CHICAGO

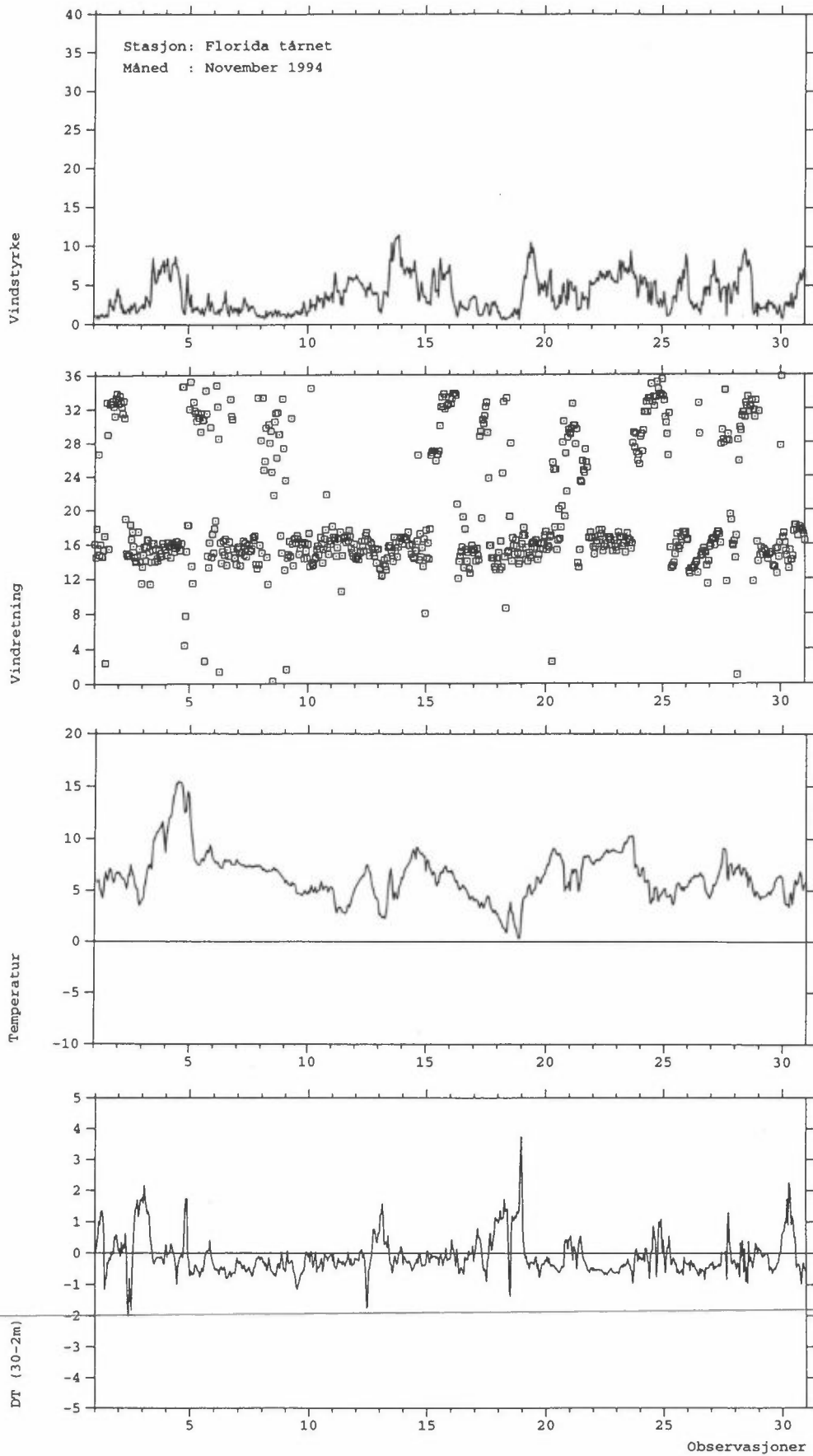
Bergen

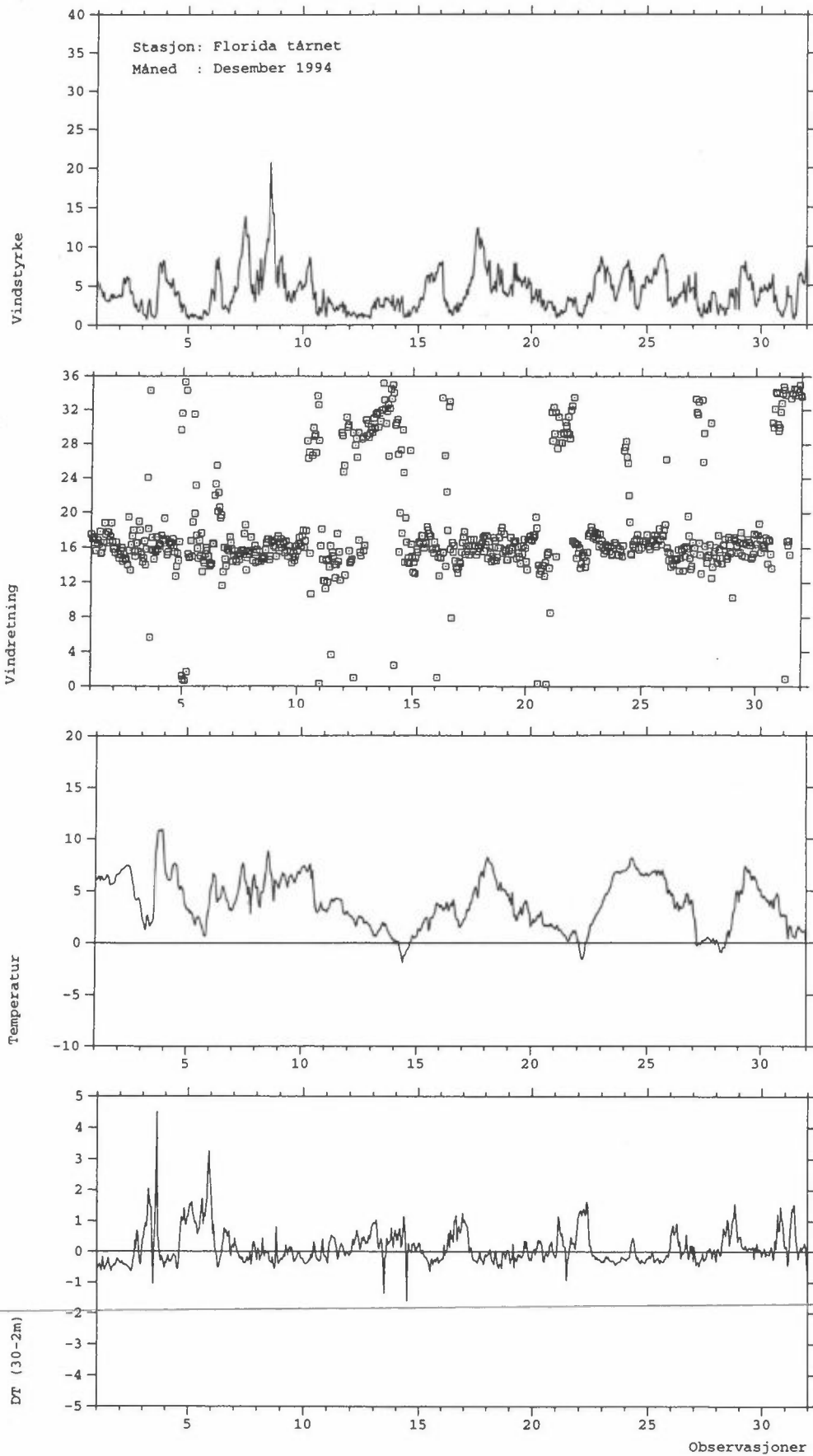
Florida tårnet, oktober 1994-mars 1995

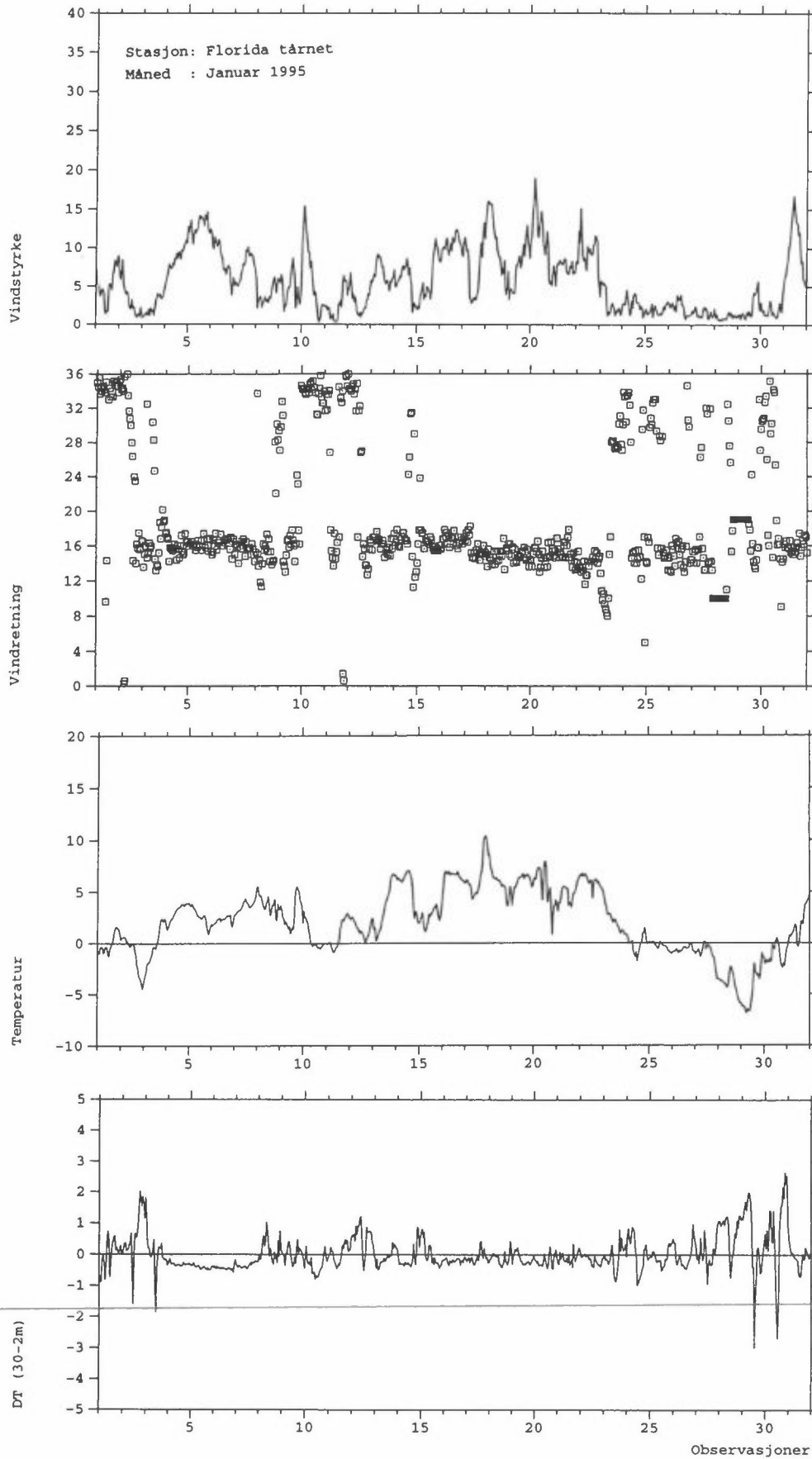
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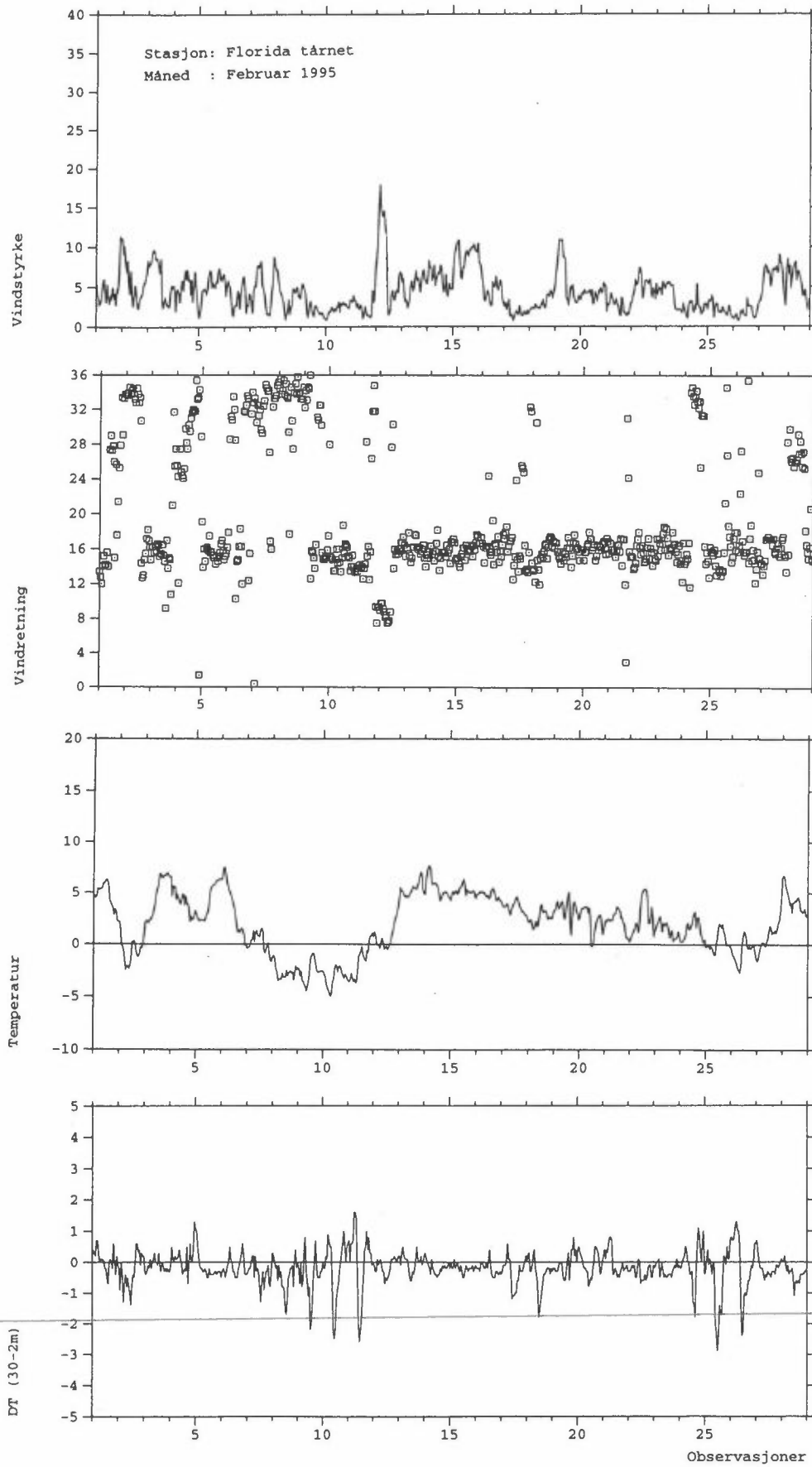
Vindstyrke	(m/s)
Vindretning	(dekagrader)
Temperatur	(°C)
Stabilitet	(°C)

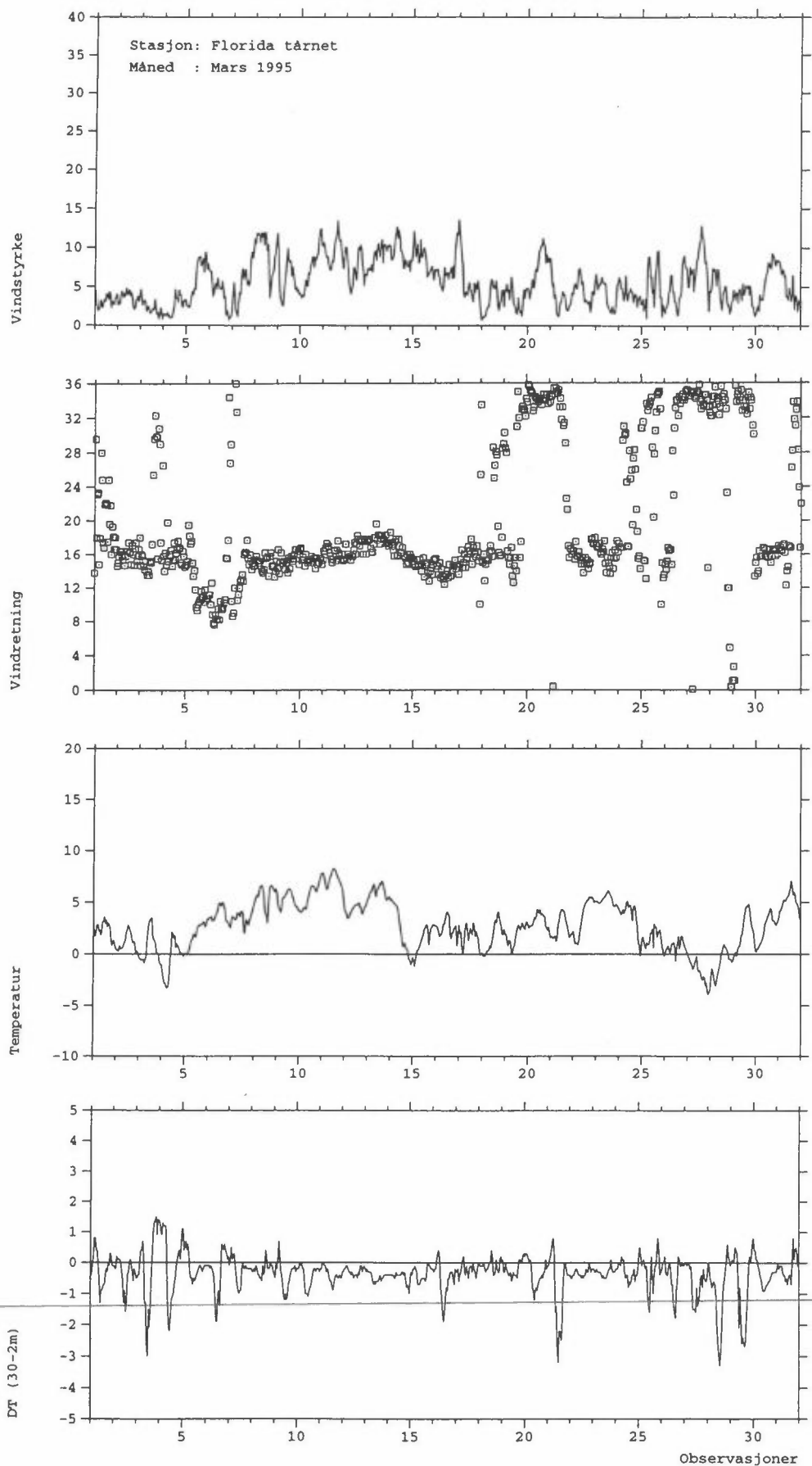










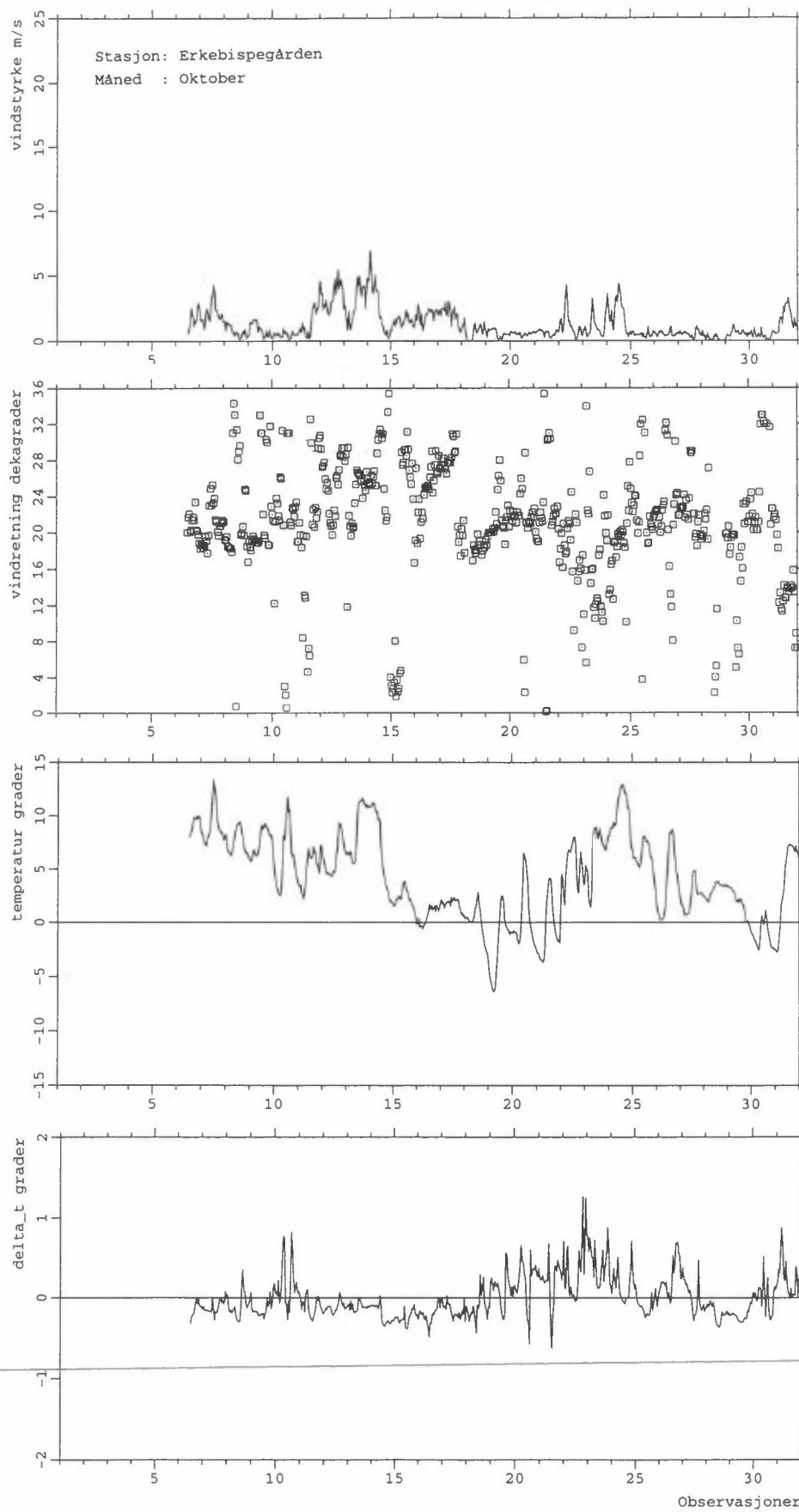


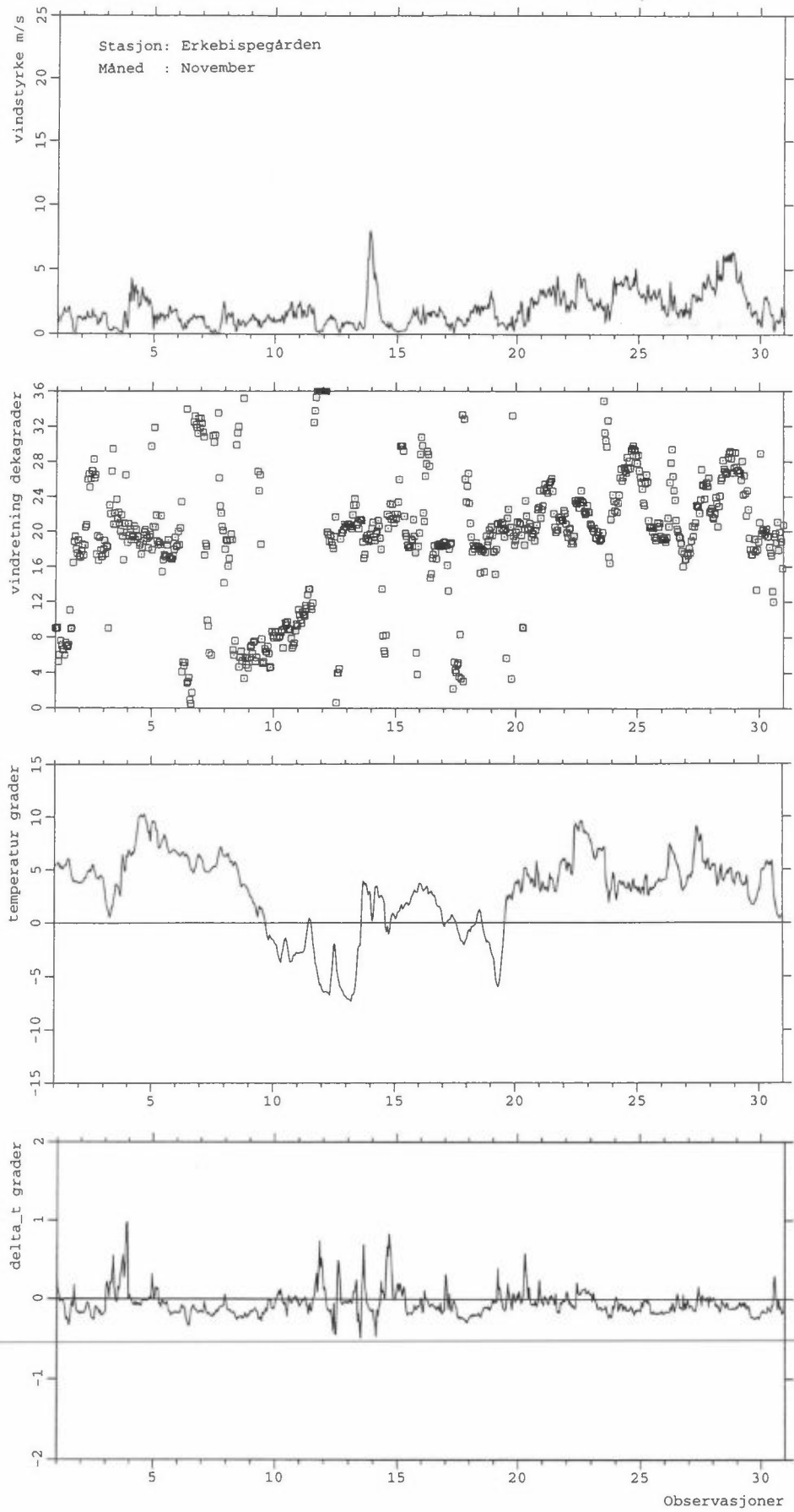
Trondheim

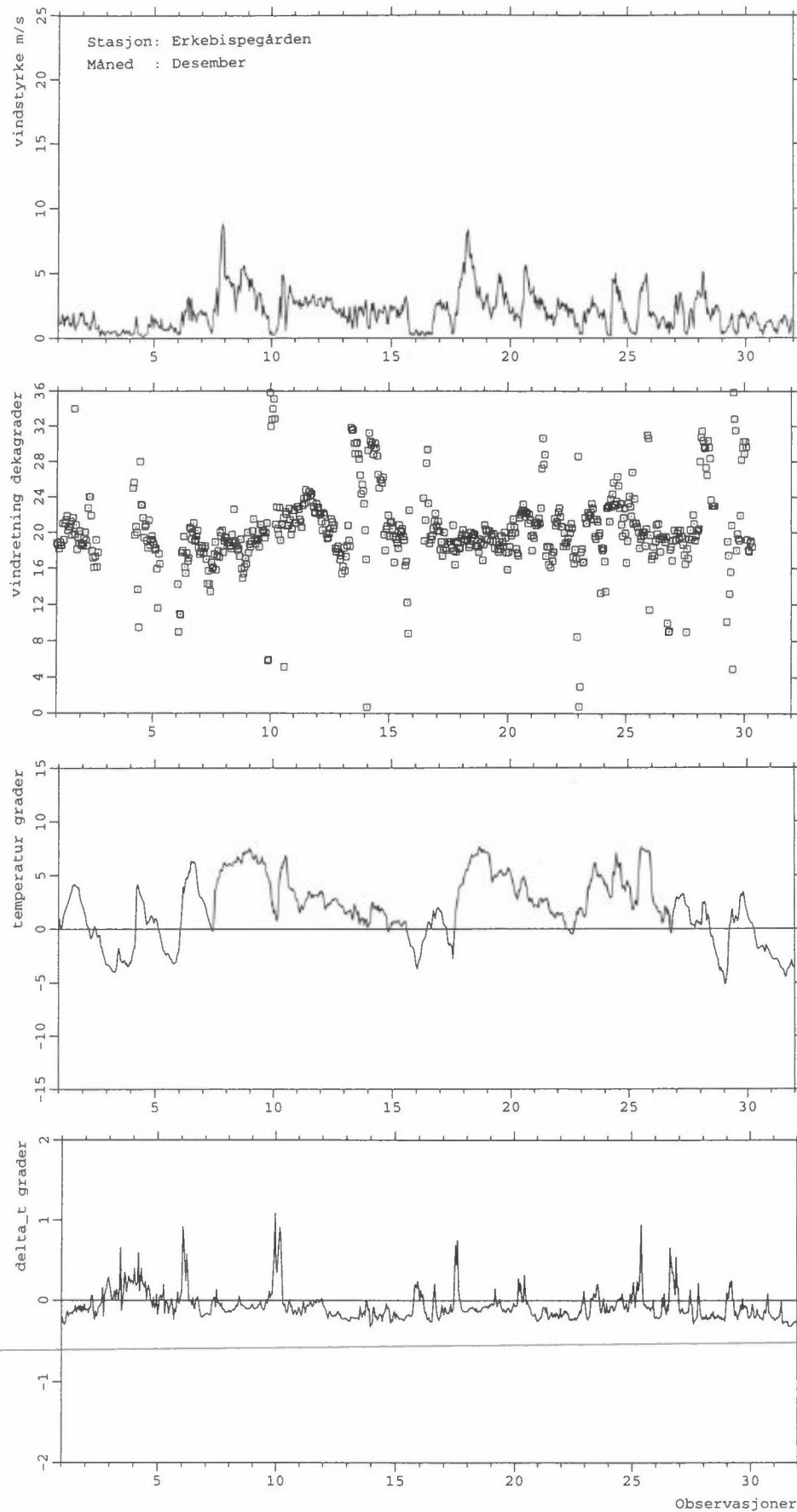
Ekebispegården, oktober 1994-mars 1995

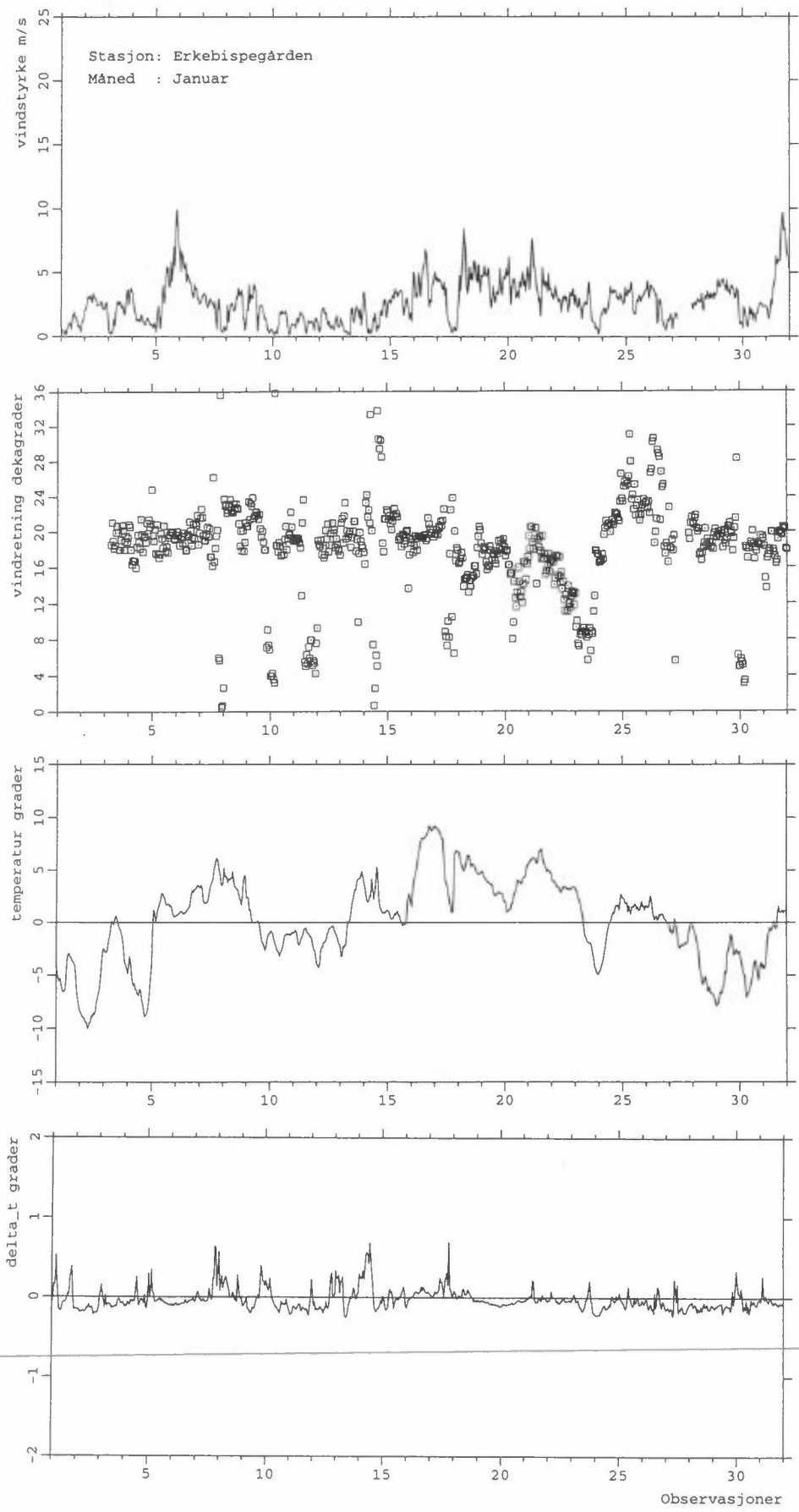
Timemiddelverdier:

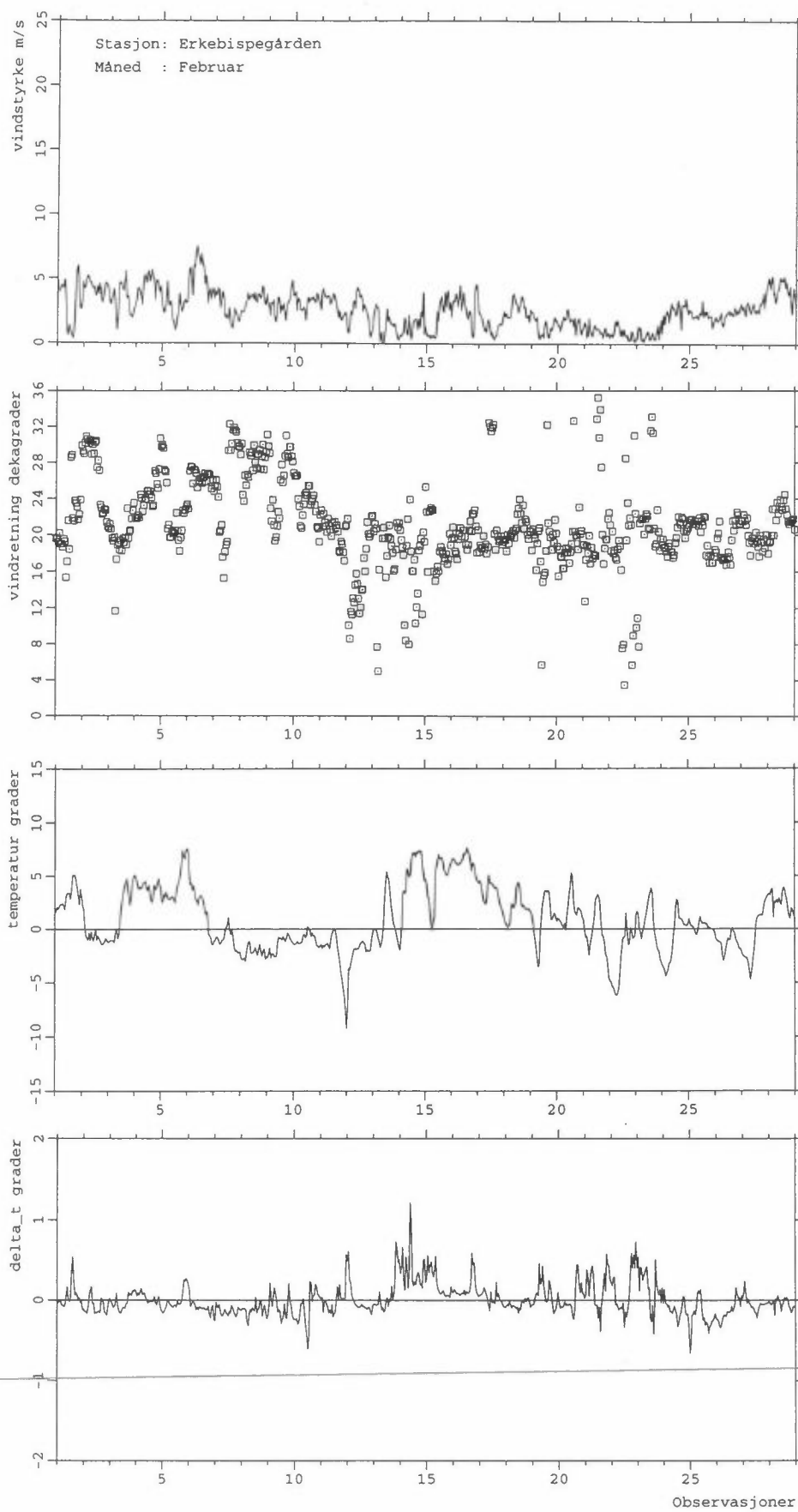
Vindstyrke	(m/s)
Vindretning	(dekagrader)
Temperatur	(°C)
Stabilitet	(°C)

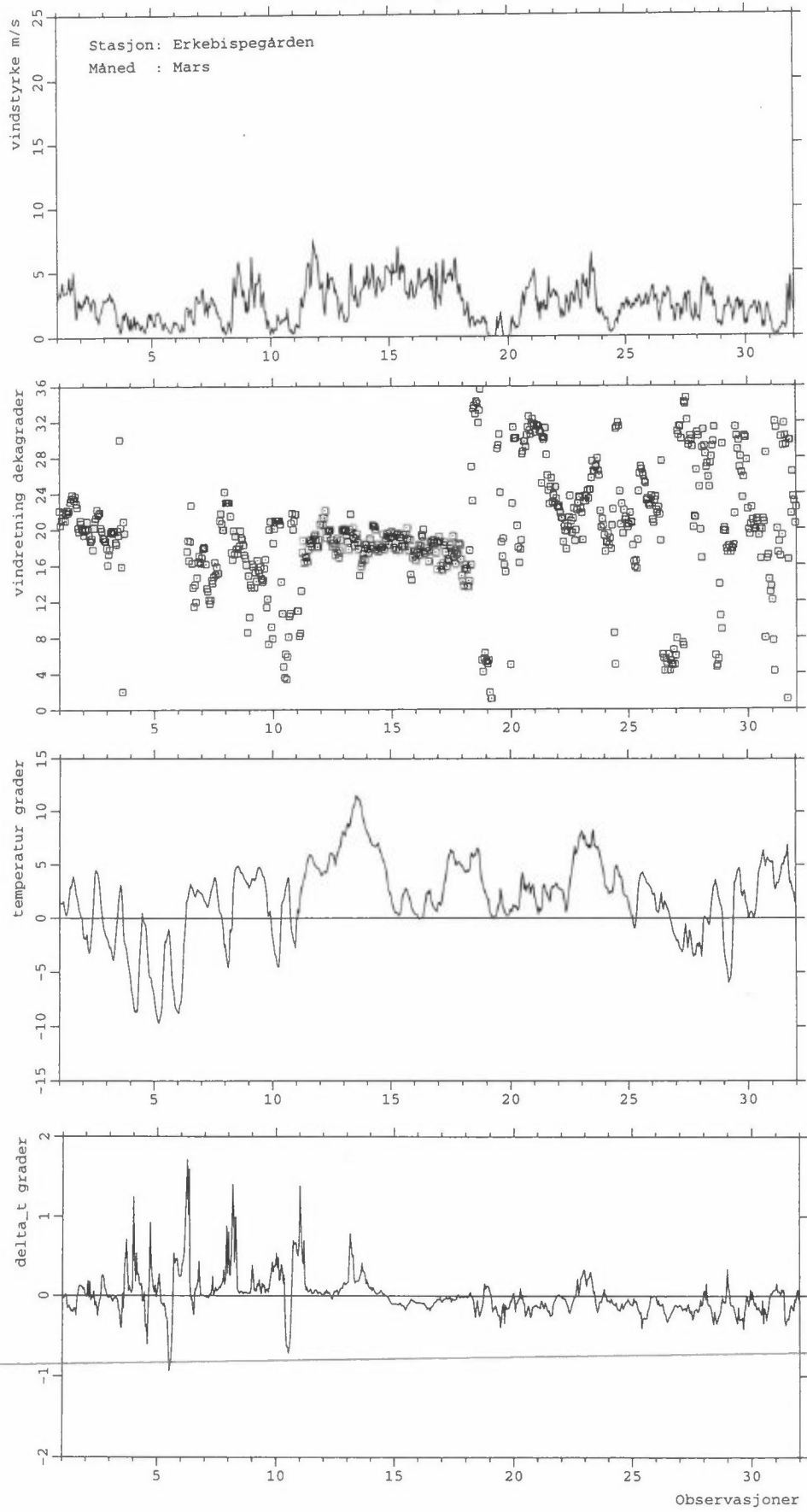


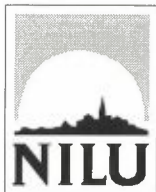












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TITTEL Målinger av luftforurensninger i by/tettstedsprogrammet Oktober 1994-mars 1995		PROSJEKTLEDER Leif Otto Hagen	
FORFATTER(E) Leif Otto Hagen og Mona Johnsrud		NILU PROSJEKT NR. O-94109	
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OPPDRAKSGIVER Statens forurensningstilsyn Postboks 8100 Dep 0032 OSLO			
STIKKORD Luftkvalitet	Nitrogenoksider	Svevestøv	
REFERAT Det er gjennomført målinger av luftkvalitet og meteorologiske forhold i en del større byer i vinterhalvåret 1994/95. Dataene er grunnlagsdata for etablering av arealmodeller i byene. Målingene viste at anbefalte luftkvalitetskriterier for time- og døgnmiddelverdier av NO ₂ og for døgnmiddelverdi av PM ₁₀ ble overskredet ved de fleste målestasjonene. Spredningsforholdene var bedre enn normalt vinteren 1994/95. I en kaldere vinter kan luftkvalitetskriteriene overskrides oftere.			
TITLE Air Quality Monitoring in major Norwegian cities. October 1994-March 1995			
ABSTRACT This report gives results of measurements of nitrogen oxides, suspended particles and meteorological conditions in major Norwegian cities during the winter half year 1994/95. Norwegian air quality guidelines were exceeded at most stations. In a colder winter with poorer dispersion conditions air quality guidelines probably could be exceeded more frequently.			

* Kategorier: A Åpen - kan bestilles fra NILU
B Begrenset distribusjon
C Kan ikke utleveres