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		MEMO CONCERNS Meteorological registrations at Oslo Airport Gardermoen, during the aircraft noise measurement period, June 2001.		FOR YOUR ATTENTION	COMMENTS ARE INVITED	FOR YOUR INFORMATION
DISTRIBUTION Knut Holen, OSL Kåre H. Liasjø, Luftfartsverket Nils Ivar Nilsen, Forsvarsbygg Idar L. N. Granøien, SINTEF Herold Olsen, SINTEF Rolf Tore Randeberg, SINTEF Asbjørn Ustad, SINTEF Odd Kr. Ø. Pettersen, SINTEF		X X X				
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1 Introduction

Along with the noise measurements a number of meteorological observations were recorded continuously. A 10 m high mast with meteorological equipment was erected at position no. 4, as shown on the following page.

The meteorological data were used in the de-propagation process connected to the estimation of aircraft noise directivity and comparison with database NPD curves.

2 Registrations

The following parameters were recorded at 1 min. intervals:

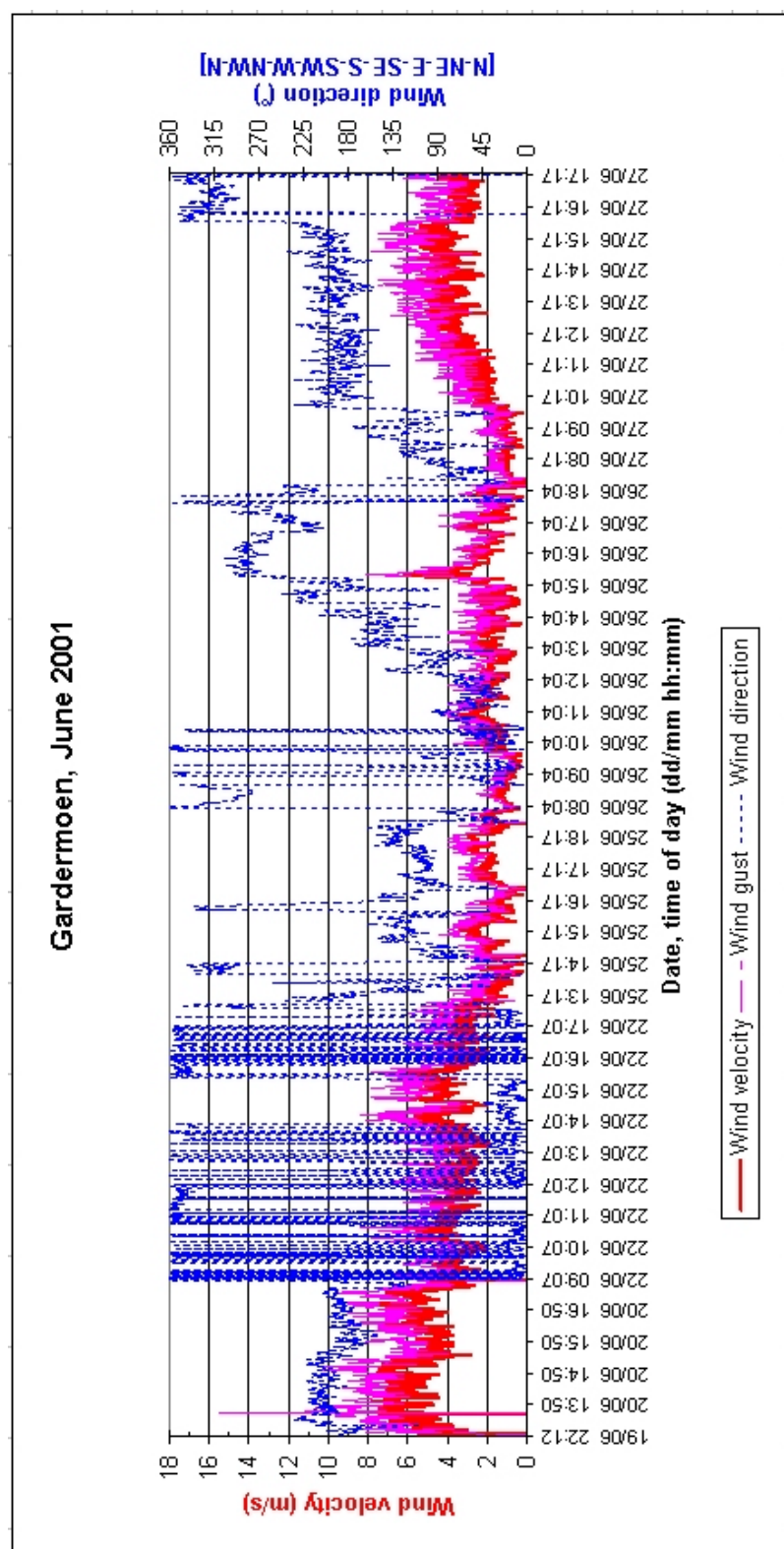
- Temperatures (°C) at two heights, 0.5 m and 9.25 m above ground,
- Wind velocity and wind gust (m/s), wind direction, all at 9.25 m height,
- Relative humidity (%) at 9.25 m height,
- Precipitation (rainfall) (mm)
- Net radiation (W/m²)

The net radiation was measured in an attempt to estimate the relative cloud cover in the sky. All data are average values over 1 min. intervals, except for wind gusts that represent maximum values. The data were stored in data files. Graphical presentations of the data are shown on the following pages.

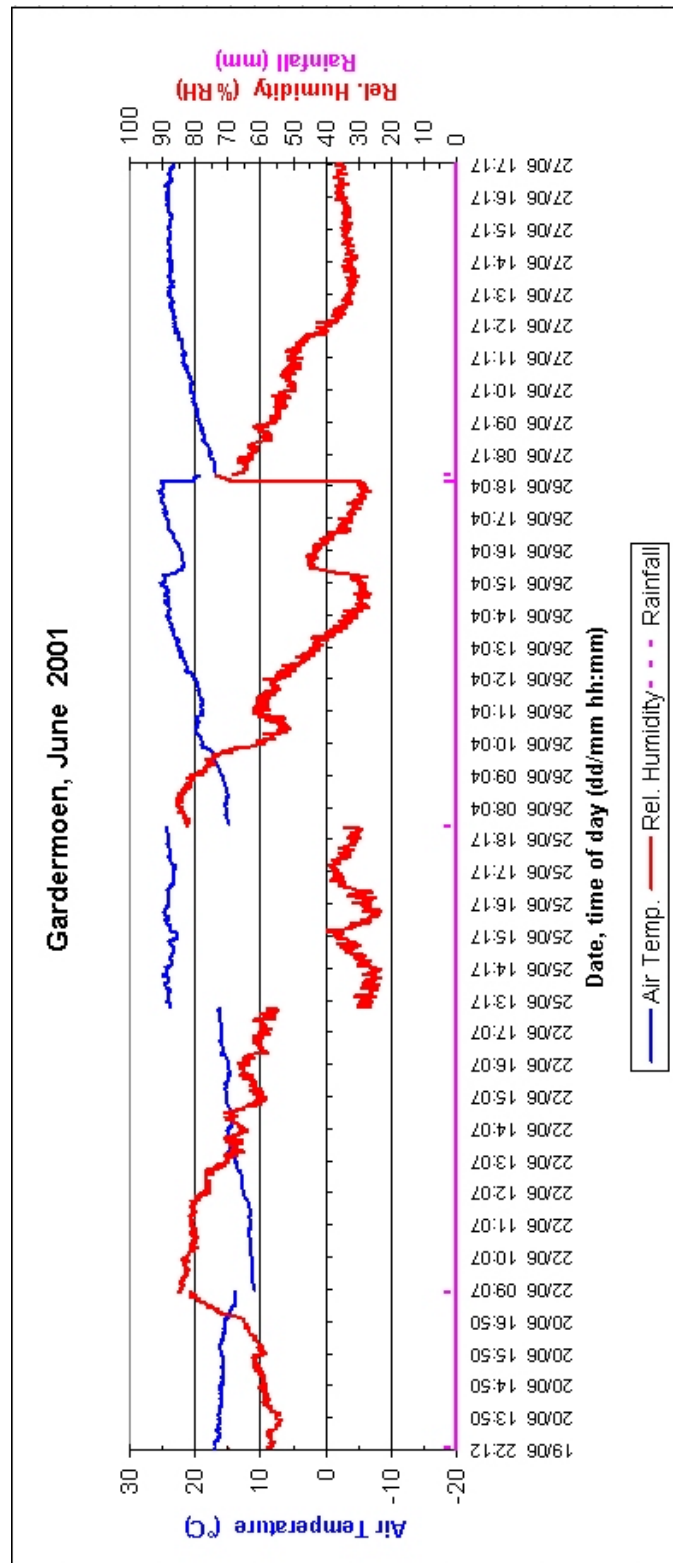
Mast with meteorological equipment erected at position 4.



Graphical presentation of wind direction and wind speed (values representing mean speed and gust)



Graphical presentation of air temperature (at 9.25 m above ground), relative humidity and rainfall.



Graphical presentation of air temperature difference and net radiation.

