



## Progress Report No 10

for the project

### Norwegian National Seismic Network

For the period January 1 to June 30, 1997

Sponsored by

Oljeindustriens Landsforening

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Institute of Solid Earth Physics  
University of Bergen  
Allegaten 41, N-5007 Bergen

and

NORSAR  
Boks 51, N-2007 Kjeller

## 1. Introduction

This 10th progress report, under the project Norwegian National Seismic Network (NNSN), covers the first half of 1997. The purpose of this report is to describe the current technical operation of the stations, data recorded and the cost and budget of the project for the reporting period. A separate report is given on the seismicity of Norway and surrounding areas in which the data recorded is presented (Appendix 1). The report on the Svalbard array is given in Appendix 2.

## 2. Operation

The operational stability for each station is seen in Table 1. The average downtime for all 11 stations is 3.5 % which is comparable to the previous six-month period when the downtime was 2 %.

**Table 1** Downtime in % for the time period January to June, 1997 for each station in the NNSN.

Station	Downtime in %
Bjørnøya (BJO1)	19
Florø (FOO)	0
Høyanger (HYA)	0
Karmøy (KMY)	0
Lofoten (LOF)	0
Mo i Rana (MOR8)	2
Molde (MOL)	11
Namsos (NSS)	0
Odda (ODD1)	0
Sulen (SUE)	7
Tromsø (TRO)	0

## 3. Field stations and technical service

### Bjørnøya (BJO1)

10.01.97: Transferal of data by modem started

There has been problems with the continuous disk throughout this period, as well as computer stability problems.

### Florø (FOO)

No visit or technical changes

### Høyanger (HYA)

11.06.97: Installation of:

- New QNX system ( PC version 6.5)
- New Garmin GPS clock
- Cisco box

The data are now transferred via ISDN line using Internet.

#### Karmøy (KMY)

07.03.97: Installation of:

- New QNX system ( PC version 6.1)
- New Garmin GPS clock
- Cisco box

The data are now transferred via ISDN line using Internet.

The old system is also running and the data are transferred to Bergen via modem for comparison.

#### Lofoten (LOF)

No visit or technical changes

#### Mo i Rana (MOR8)

No visit or technical changes

#### Molde (MOL)

24.04.97: System out between 4th and 24th April due to lightning.

#### Namsos (NSS)

No visit or technical changes

#### Tromsø (TRO)

Unstable timing throughout the whole period.

#### Sulen (SUE)

09.03.97: The system was down since 25th February. A fuse was blown due to lightning.

12.06.97: Installation of:

- New QNX system ( PC version 6.5)
- New Garmin GPS clock
- Cisco box

The data are now transferred via ISDN line using Internet.

#### Odda (ODD1)

No visit or technical changes

#### **4. Data recorded**

An overview of the seismic activity in Norway and surrounding areas for the first half of 1997 is given in a separate report (Appendix 1). The data recorded by the seismic stations were collected and monthly bulletins were prepared and distributed. Since there was no event in Norway of magnitude larger than 5.0 during the first half of 1997, no special report has been written.

The performance of, and data recorded by the Svalbard array, are described in Appendix 2.