



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 1917	Intern Journal nr	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering
Kommer fra ..arkiv	Ekstern rapport nr LV 29	Oversendt fra	Fortrolig pga	Fortrolig fra dato:
Tittel Genie measurements Løkken 1975				
Forfatter Grammeltvedt, Gudmund		Dato 12.11 1985	Bedrift Løkken Verk	
Kommune Meldal	Fylke Sør-Trøndelag	Bergdistrikt Trondheimske	1: 50 000 kartblad	1: 250 000 kartblad
Fagområde Geofysikk	Dokument type	Forekomster Løkken		
Råstofftype Malm/metall	Emneord			
Sammendrag				

Report no : L.V. 29

Genie measurements

Løkken 1975

REPORT L.V. 29.

GENIE MEASUREMENTS LØKKEN 1985.

SE-88 GENIE EM-systems was used to check the anomalies at Høydal and Damlia/Høgåsen.

It was measured 7 profiles at Høydal and 5 profiles at Damlia/Høgåsen. The weather-conditions were extreemly bad. Heavy rain the two first days, and heavy snow/rain the other days. We planed to do some additional measurements, but it is still snowing/raining.

SE-88 GENIE:

Reference frequency: 112,5 Hz

Signal frequencies: 337,5 1012,5 and 3037,5 Hz

At the tables and figures we have used the following symbols:

- 1: Frequency-pair 112,5/337,5
- 2: " " 112,5/1012,5
- 3: " " 112,5/3037,5

Distance between transmitter end receiver: 25 m.

Distance between measuringpoints: 20 m.

The transmitter went first and the receiver behind. The receiver marked the measuring point.

The results of the measurements are given in the figures. At Høydal all profiles show clear anomalies. Profile Y=36.75 have irregular vaules. It can be caused by numerous thin vasskis layers, but it could also be noise. At that time the instrument was very wet.

At Damlia/Høgåsen there are also anomalies at all the profiles. Profile Y=32.00 could not be measured because og high waterlevel in the lake and very wet bog, covered with snow.

The maps show the profiles measured, old Turam-anomalies and HEM-anomalies.

Løkken Verk, 12.11.85
GGr/ELV

Enclosures: Measuring book
12 figures (profiles)
2 maps

$\lambda = 31.75$

9820

9830

9840

9850

9860

9870

9880

10 -

8 -

6 -

4 -

2 -

-2 -

-4 -

-6 -

-8 -

-10 -

-20 -

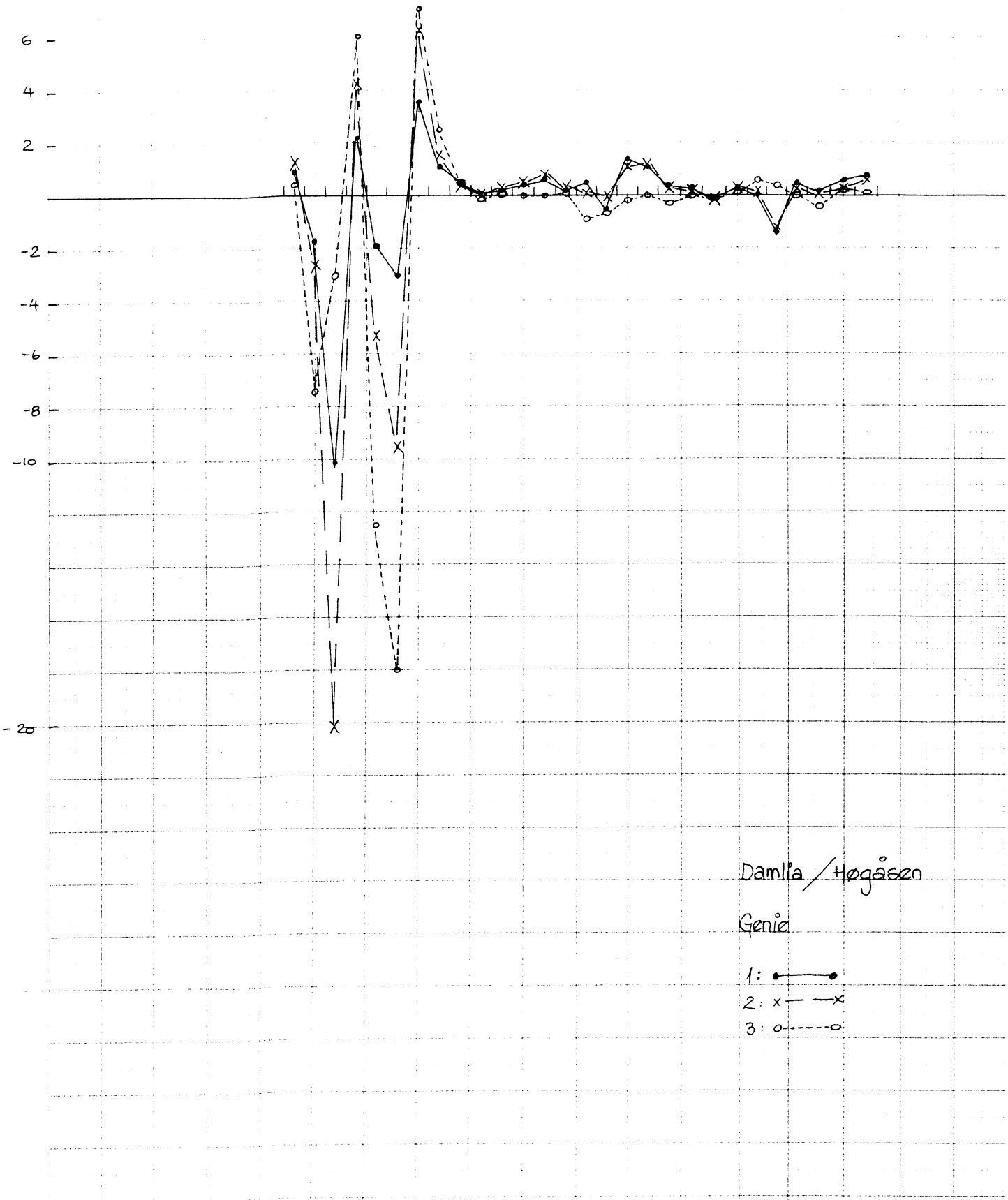
Damlja / Högåsen

Genie

1: ● — ●

2: x — x

3: o - - - o



$$Y = 31.50$$

19820

19830

19840

19850

19860

19870

19880

10 -

8 -

6 -

4 -

2 -

-2 -

-4 -

-6 -

-8 -

-10 -

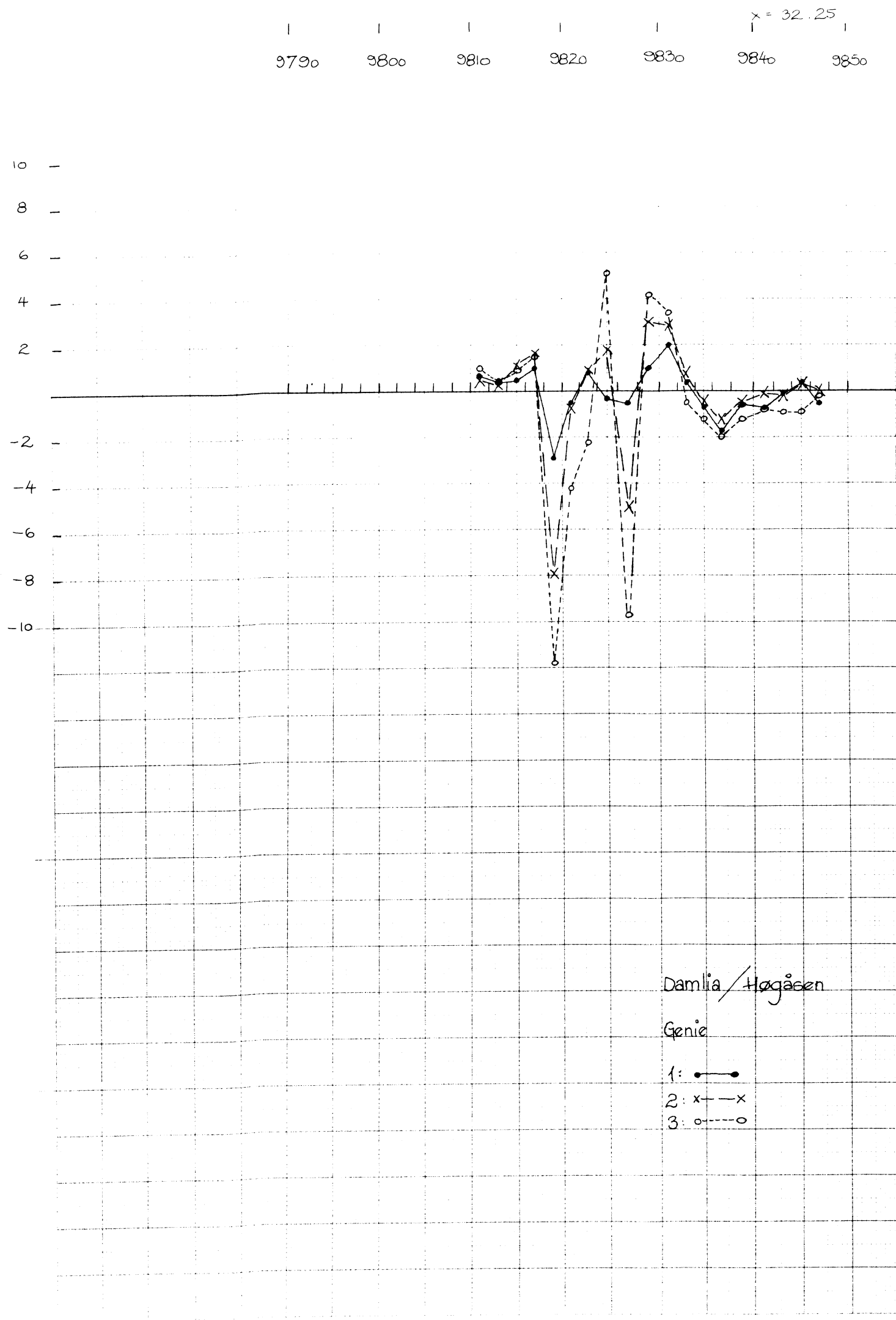
Damliä / Högåsen

Genie

1 : —●—

2 : x—x

3 : —○—



x - 32.50

9790 9800 9810 9820 9830

10
8
6
4
2
-2
-4
-6
-8
-10



Damia/Hogasen

Genie

1: —●—

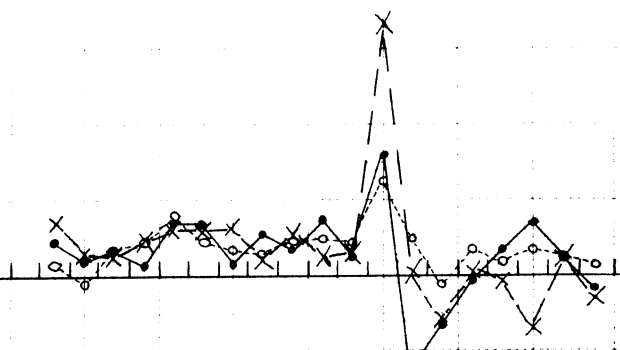
2: —x—x

3: —○—○

$$Y = 32.75$$

9790 9800 9810 9820 9830

10
8
6
4
2
-2
-4
-6
-8
-10



Damlia / Høgåsen

Genie

1 : —•—

2 : X--X

3 : o---o

$\lambda = 36.50$

9890

9900

9910

9920

10 -

8 -

6 -

4 -

2 -

-2 -

-4 -

-6 -

-8 -

-10 -

-20 -

-30 -

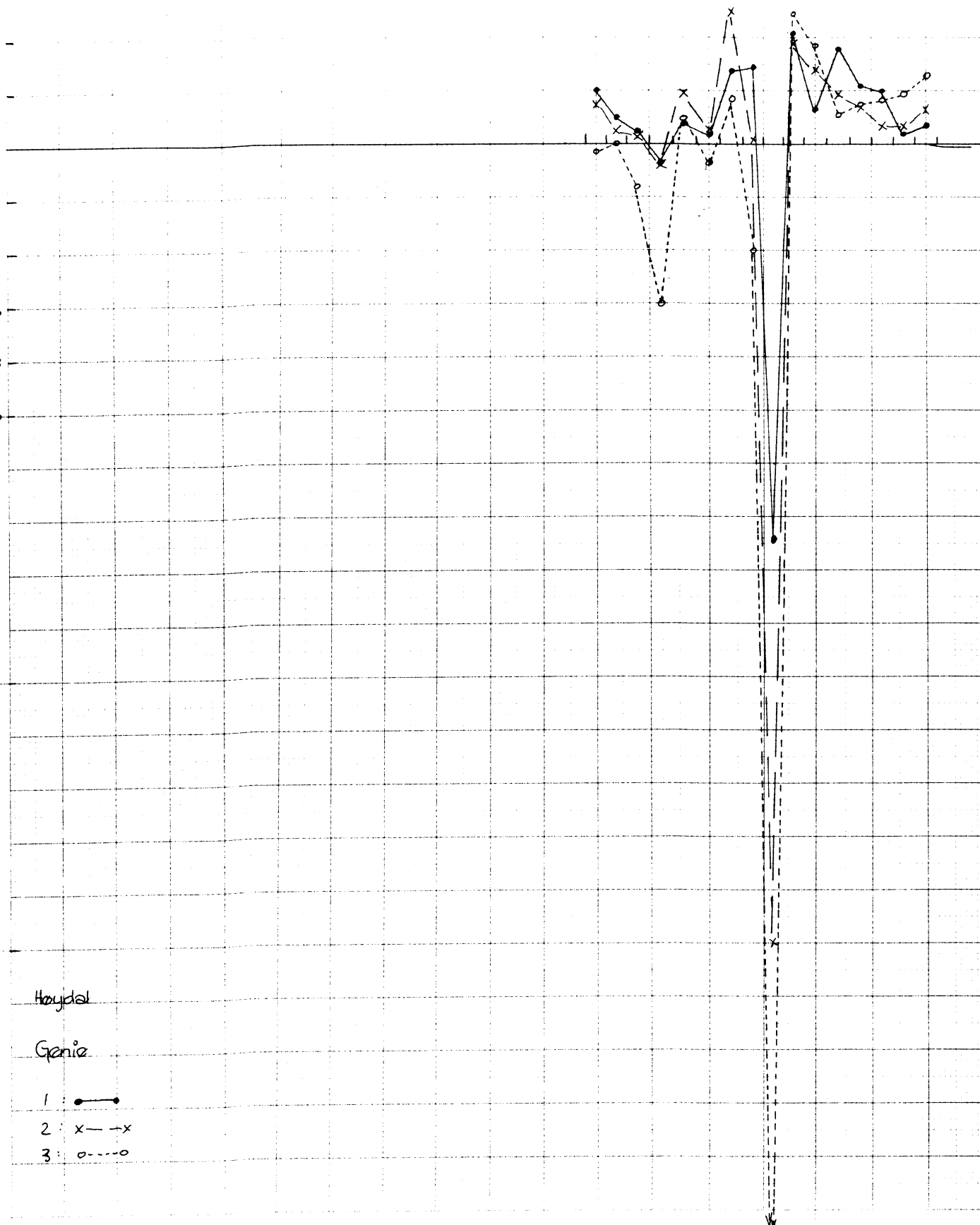
Hoydel

Genie

1 : ●—●

2 : x—x

3 : o---o



Y = 36.75

9880

9890

9900

9910

9920

9930

10 -

8 -

6 -

4 -

2 -

-2 -

-4 -

-6 -

-8 -

-10 -

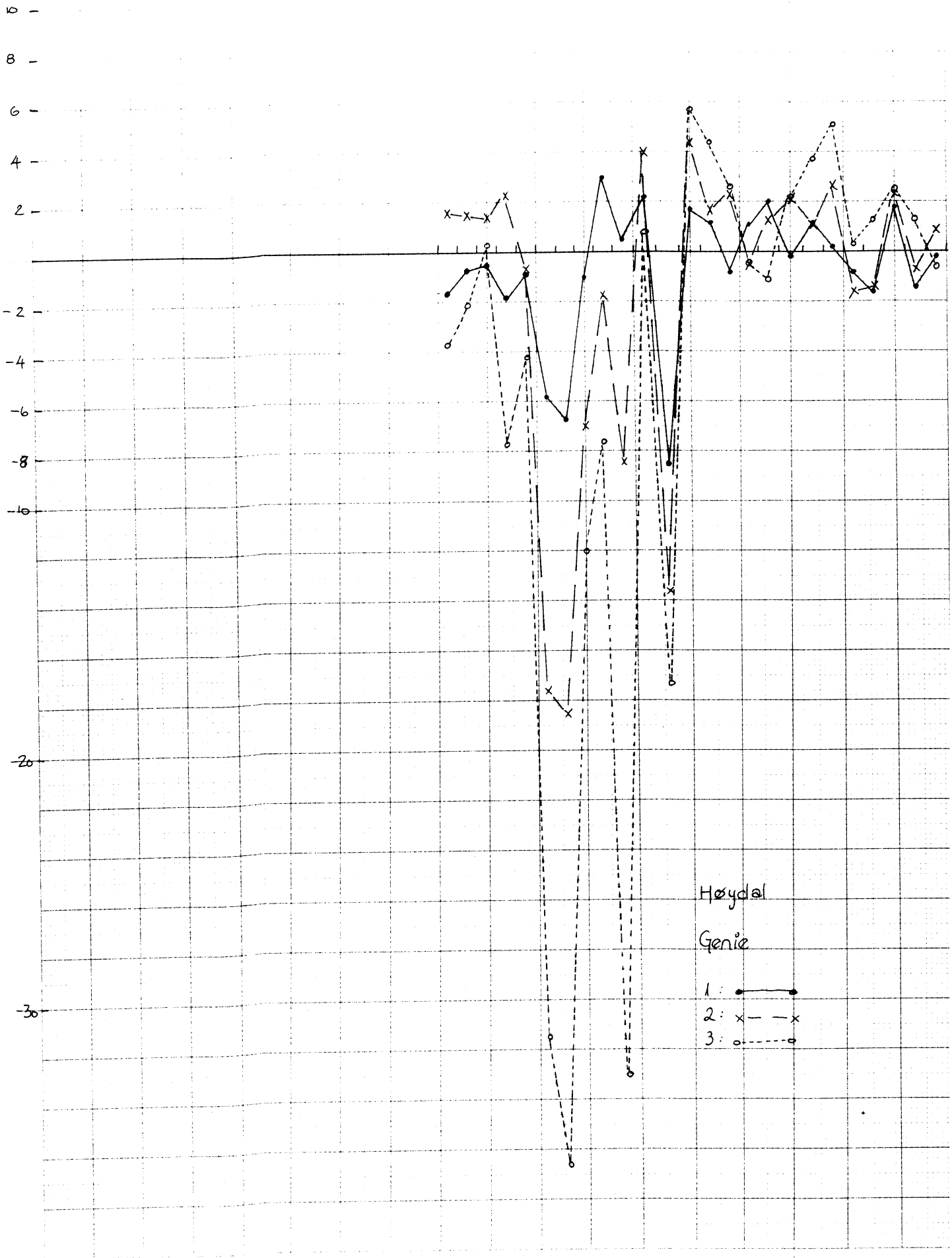
-20 -

-30 -

Høydel

Genie

- 1: ● — ●
2: x — x
3: ○ - - ○



$$y = 37.00$$

9870 9880 9890 9900

10 -

8 -

6 -

4 -

2 -

-2 -

-4 -

-6 -

-8 -

-10 -

-20

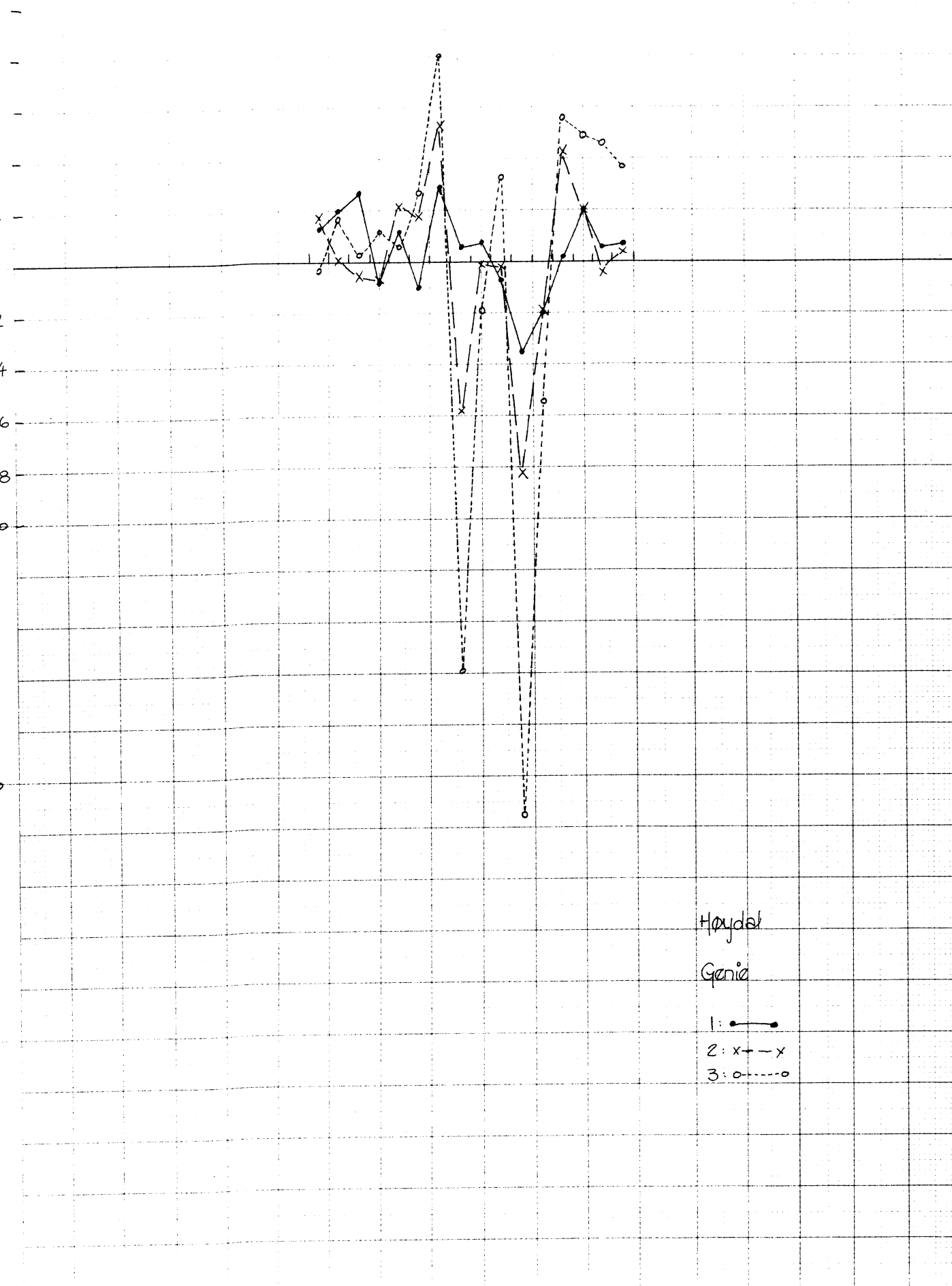
Hoydel

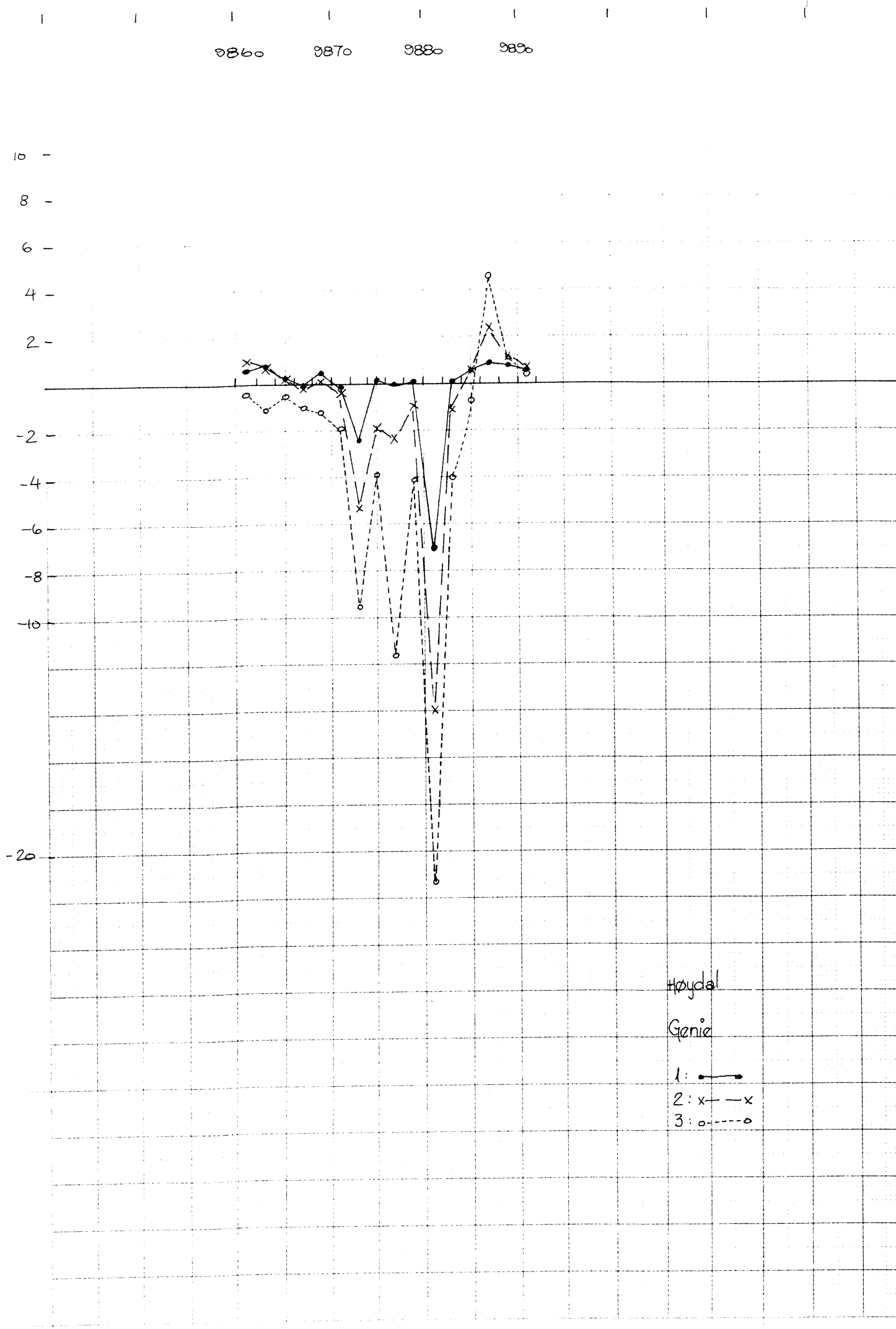
Genie

1: —●—

2: x—x

3: o---o

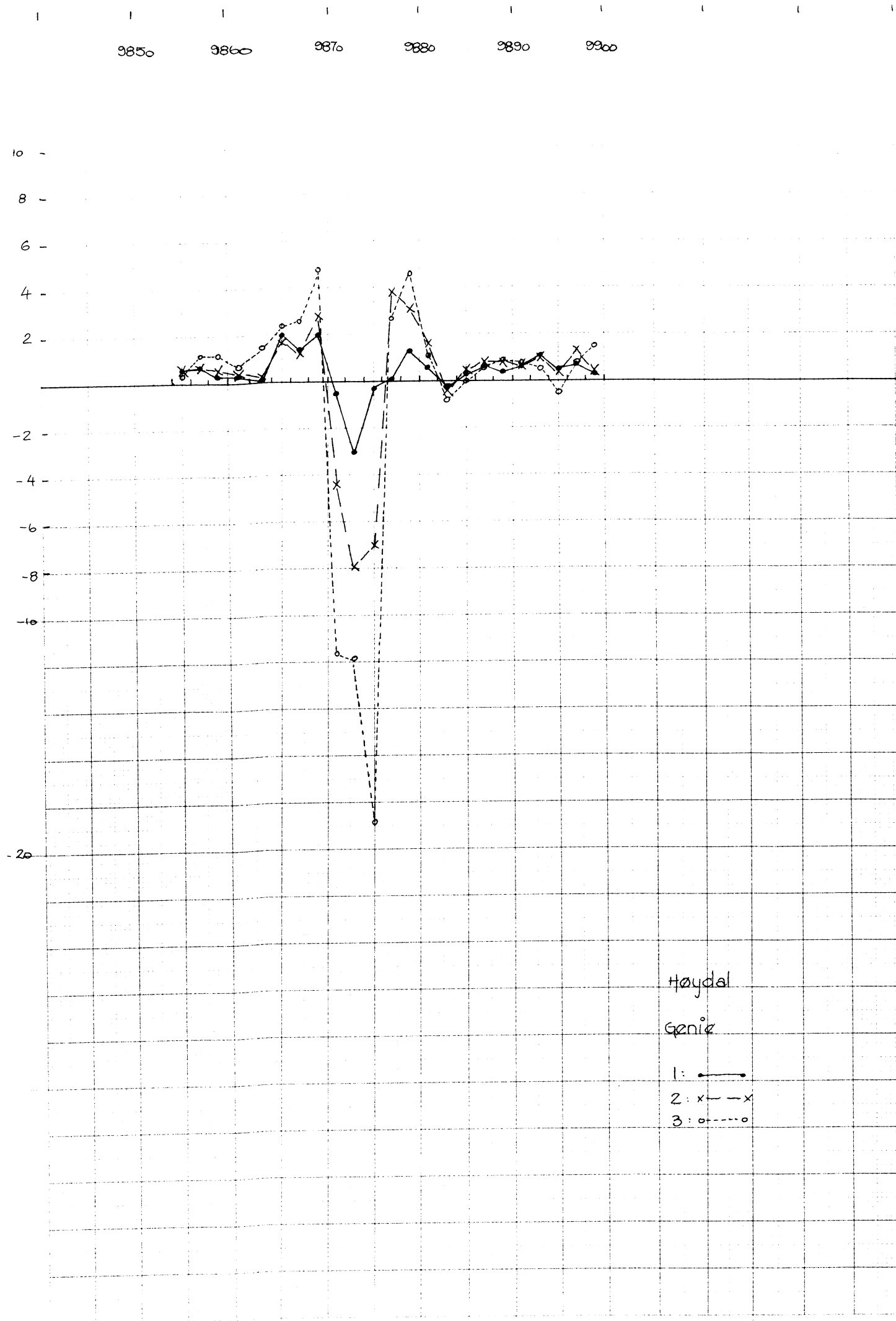


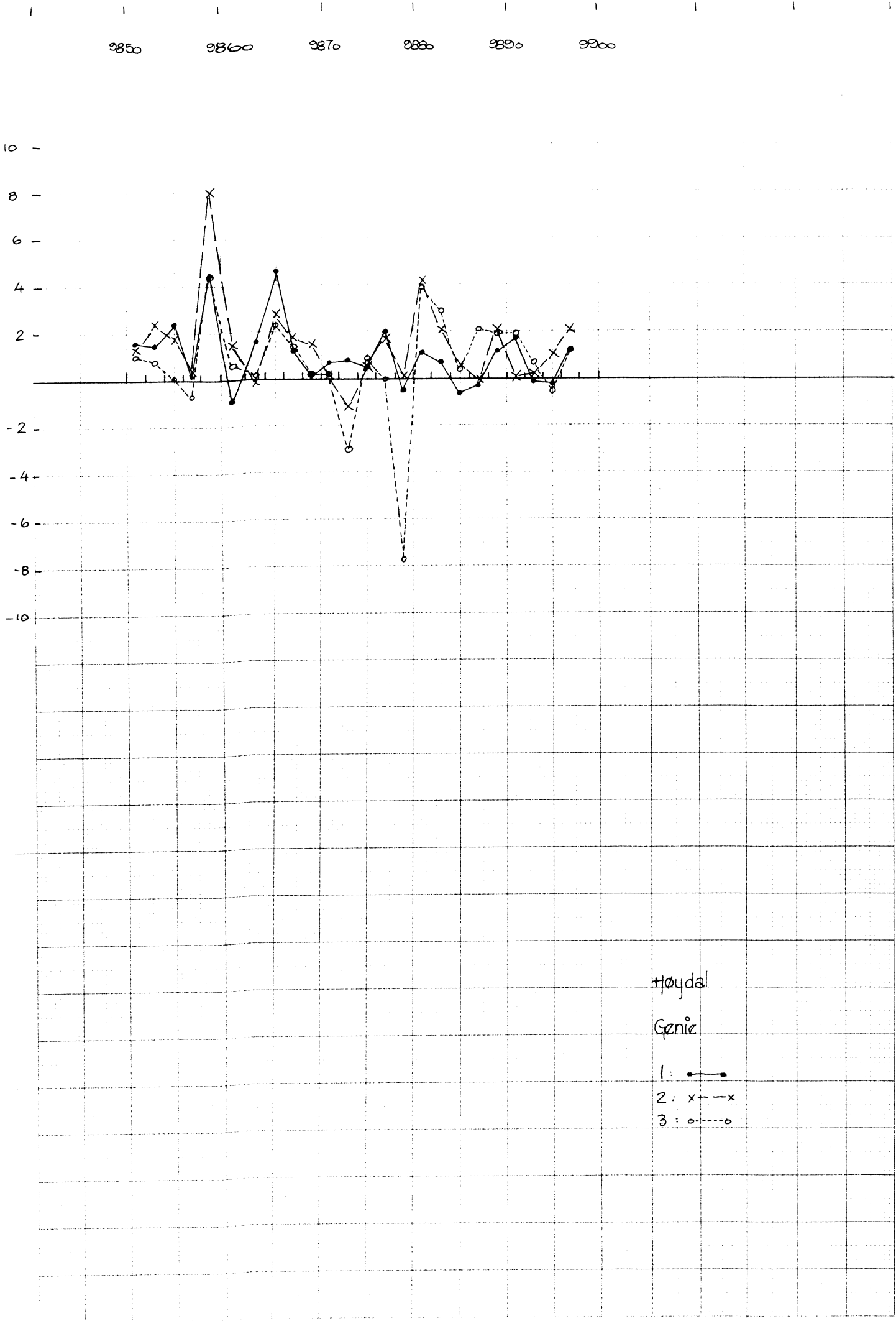


Høydal

Genie

- 1: —•—
- 2: x—x
- 3: o---o



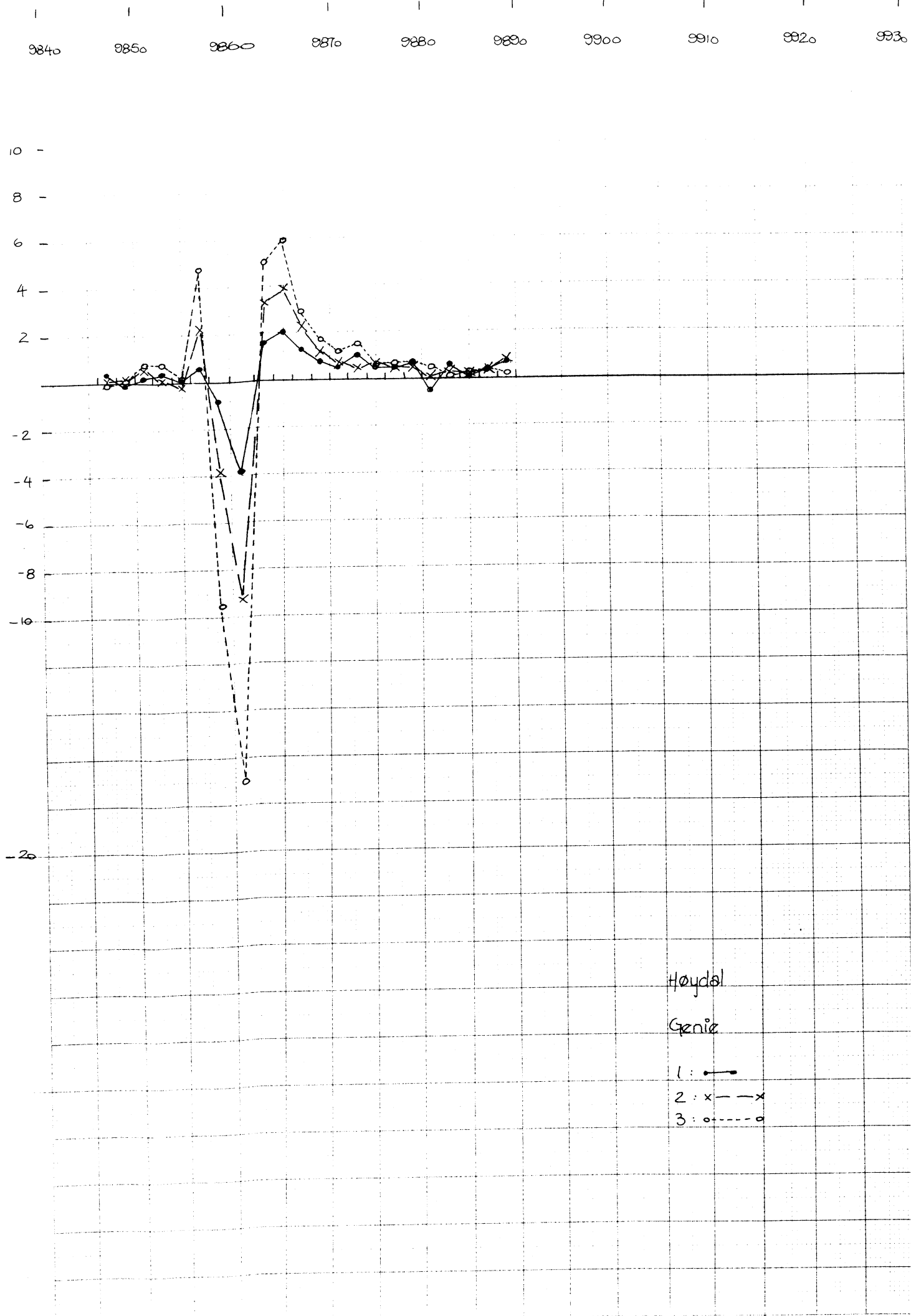


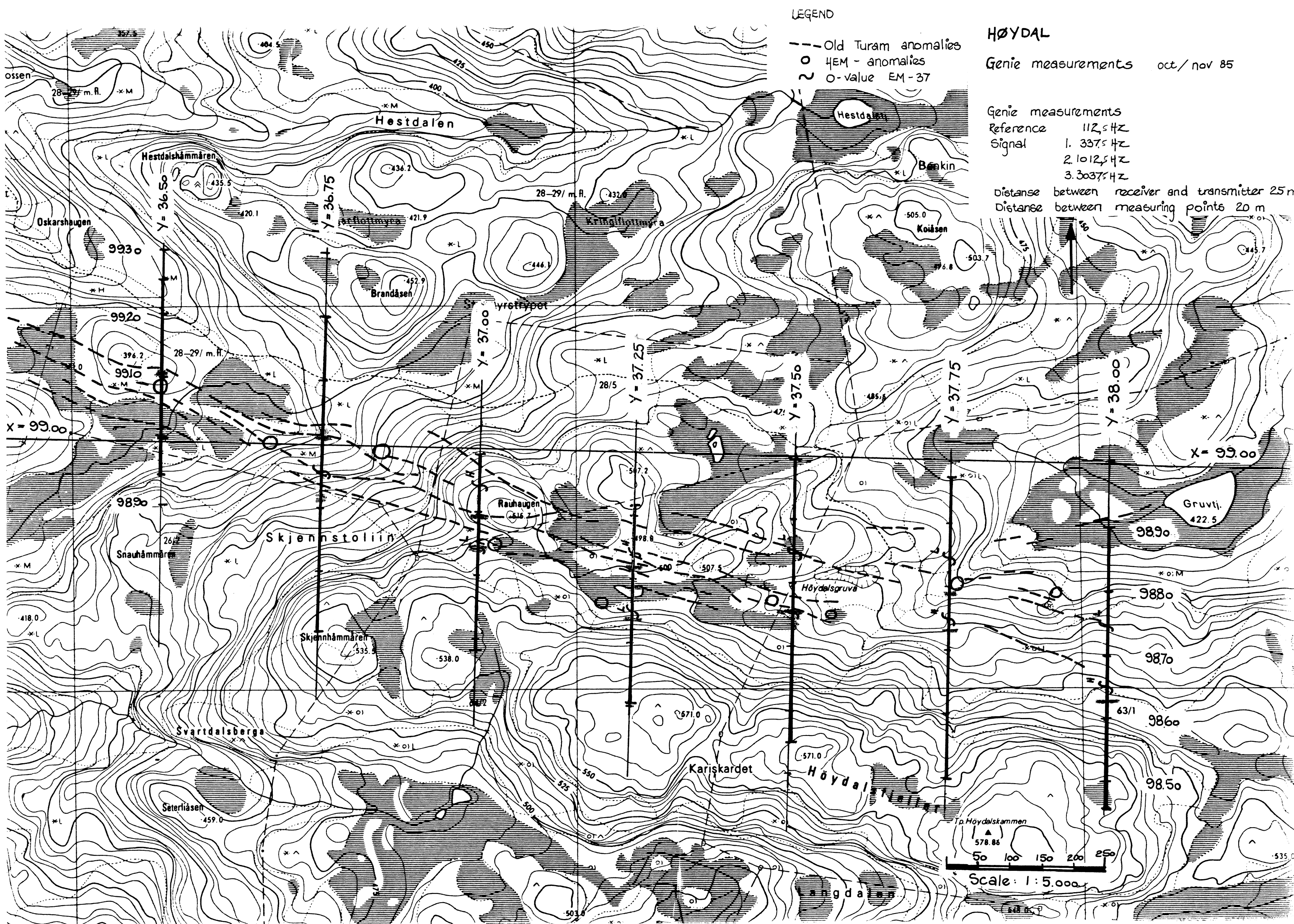
Høydal

Genic

- 1: —•—
- 2: x—x
- 3: o—o

$\gamma = 38.00$





X = 99.00

LEGEND

- Old Turam anomalies
- 4EM - anomalies
- ~ O-value EM-37

DAMLIA / HØGÅSEN

Genie measurements oct/nov 95

Genie measurements

Reference 112.5 Hz

Signal 1. 337.5 Hz

2. 1012.5 Hz

3. 3037.5 Hz

Distance between receiver and transmitter 25 m

Distance between measuring points 20 m

