

1722 ✓  
Letter 2063

1983.01.17

To: Users of SEASAT-A Data.

Subject: Suspected errors in data close to the Nordic Area.  
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The comparison of observed SEASAT-A heights with geoid heights using collocation (see Tscherning, 1982) have indicated that several values are in error. Some of these are due to the fact that the measurement is taken on land or very close to the coast. All the values suspected are listed below. These, which are found to be on land, or very close to land are indicated by an asterisk (\*). The values are grouped according to the collocation solution used for the comparison, e.g. 6013. This number indicates the latitude (60 deg.) and longitude (13 deg.) of the North-West corner of the gravity-anomaly data collection area used to determine the collocation solution, (see Tscherning, 1982, table 3).

Solution 6013:

\*1580127, \*2250109, \*2250111, \*6030124, \*8470107,  
\*11910042

Solution 6213:

\*2440103, \*8710181, \*8710182

Solution 6009:

\*7610085

Solution 6413:

\*5840175

Solution 6405:

\*5170031, \*8860017, \*8860018

Solution 6613:

\*5880126, 2110116, 50020871, 50020872

Solution 6607:

\*1540006, \*1540007, 1580128, 3980002,  
\*6420153, 8860014, 8860015

Solution 5807:

\*2160001, \*2680188, \*5460012, \*5460013, \*5460014,  
\*6700142, \*7560193, \*7560194, \*7900017, \*8280218,  
\*8330030, \*8330031, \*8330051, \*8710190, \*10430165,  
5840225, 5840226, \*5840234

Solution 6811:

\*5130004, \*5130005, \*5990001, \*6310177, 7570002,  
7570003, 7570004

Solution 7013:

\*8890004, \*2690001, \*2690003, \*50005986

Solution 7217:

7590087, 7860129, \*7860133, \*7860134, \*8290002,  
\*14620001, \*14620002, 5420186, 5850001

Any comments or corrections, or information about other probable erroneous values will be wellcome.

Yours sincerely

C.C.Tscherning

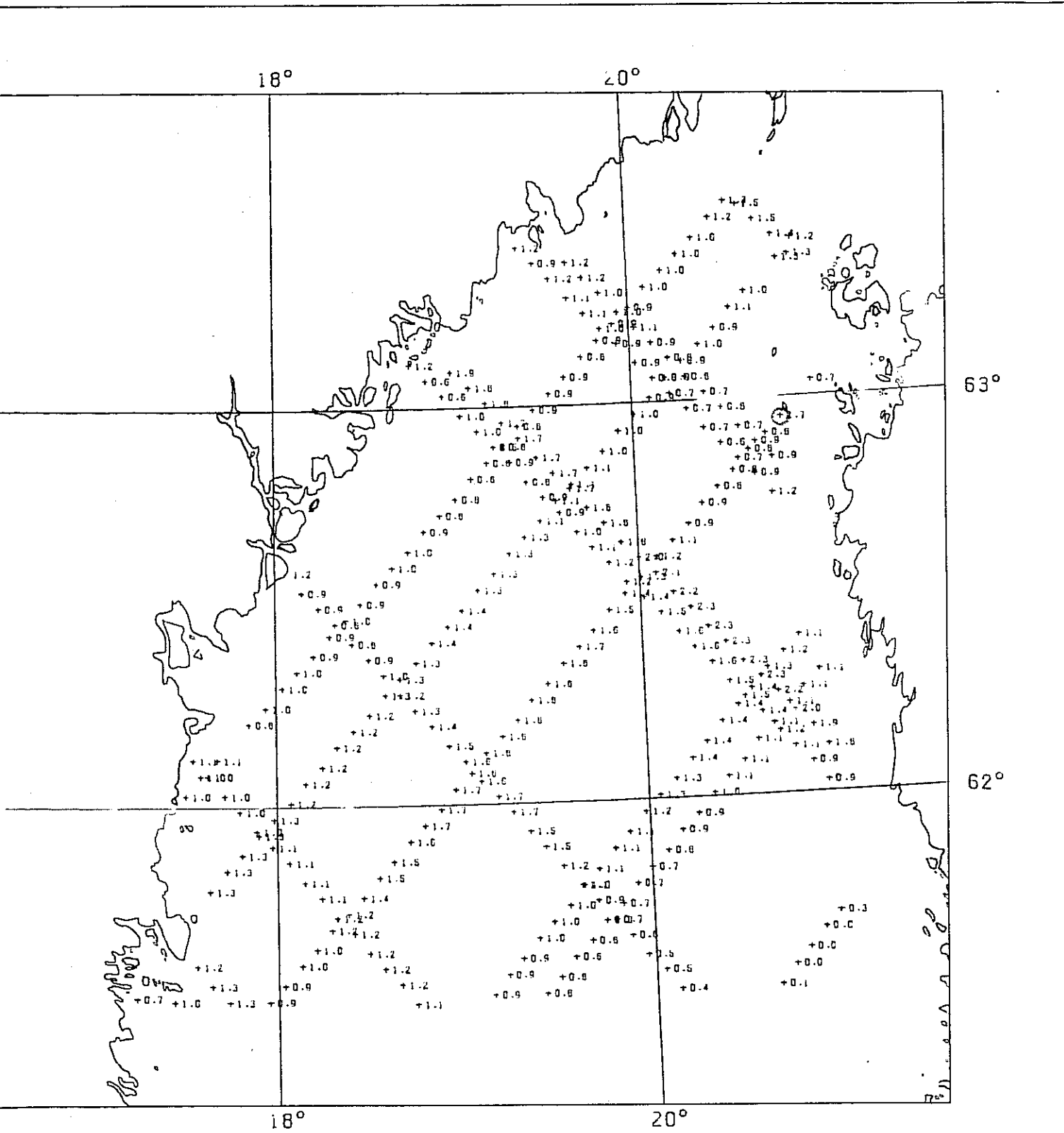
Reference:

Tscherning, C.C.: Determination of a (quasi) geoid for the Nordic Countries from heterogeneous data using collocation. Proceedings Meeting of the Nordic Geodetic Commission, Gävle, Sweden, Sept. 1982. (In print).

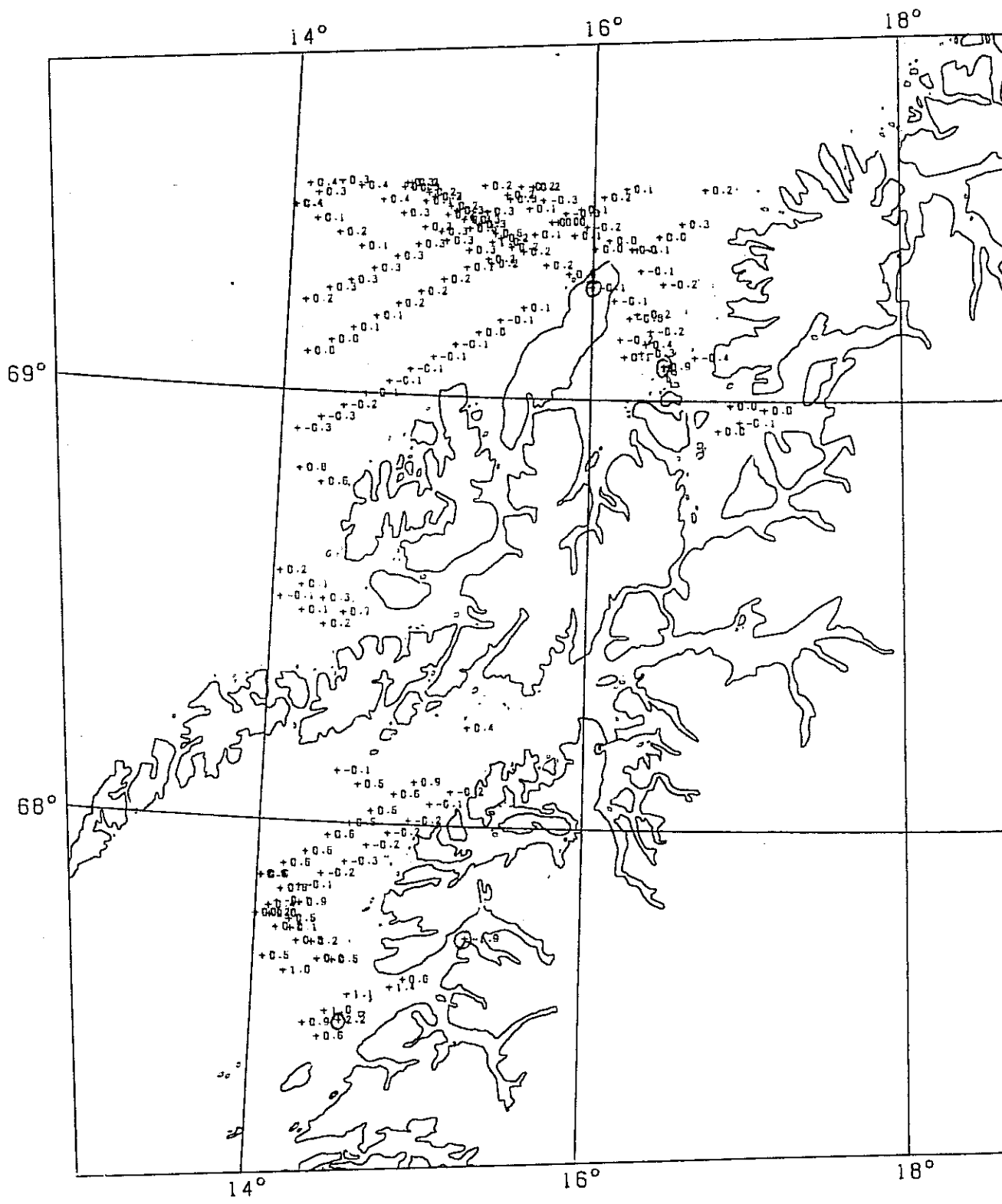
Distribution, Jan 83:

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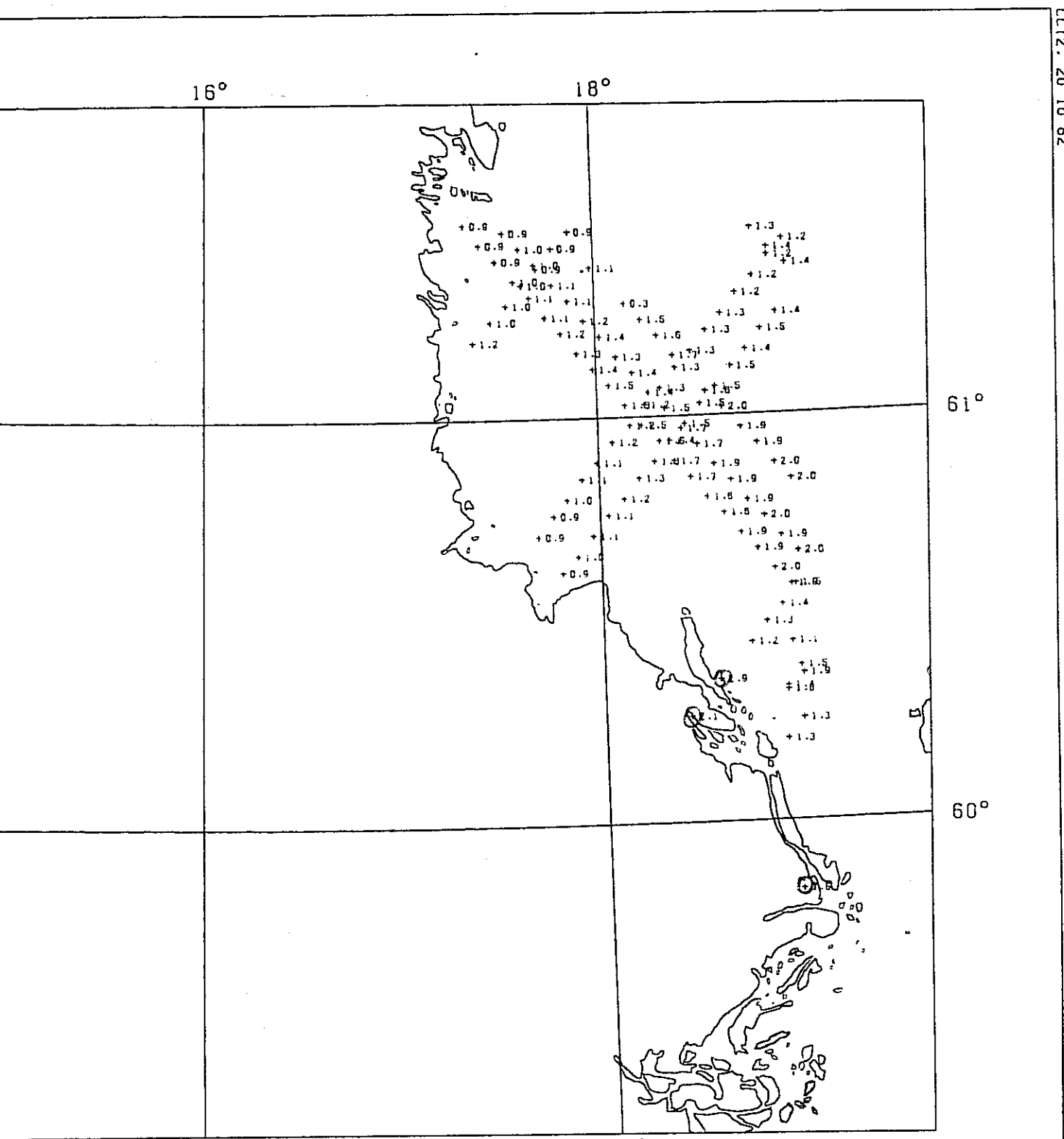
NASA,



Section 6413

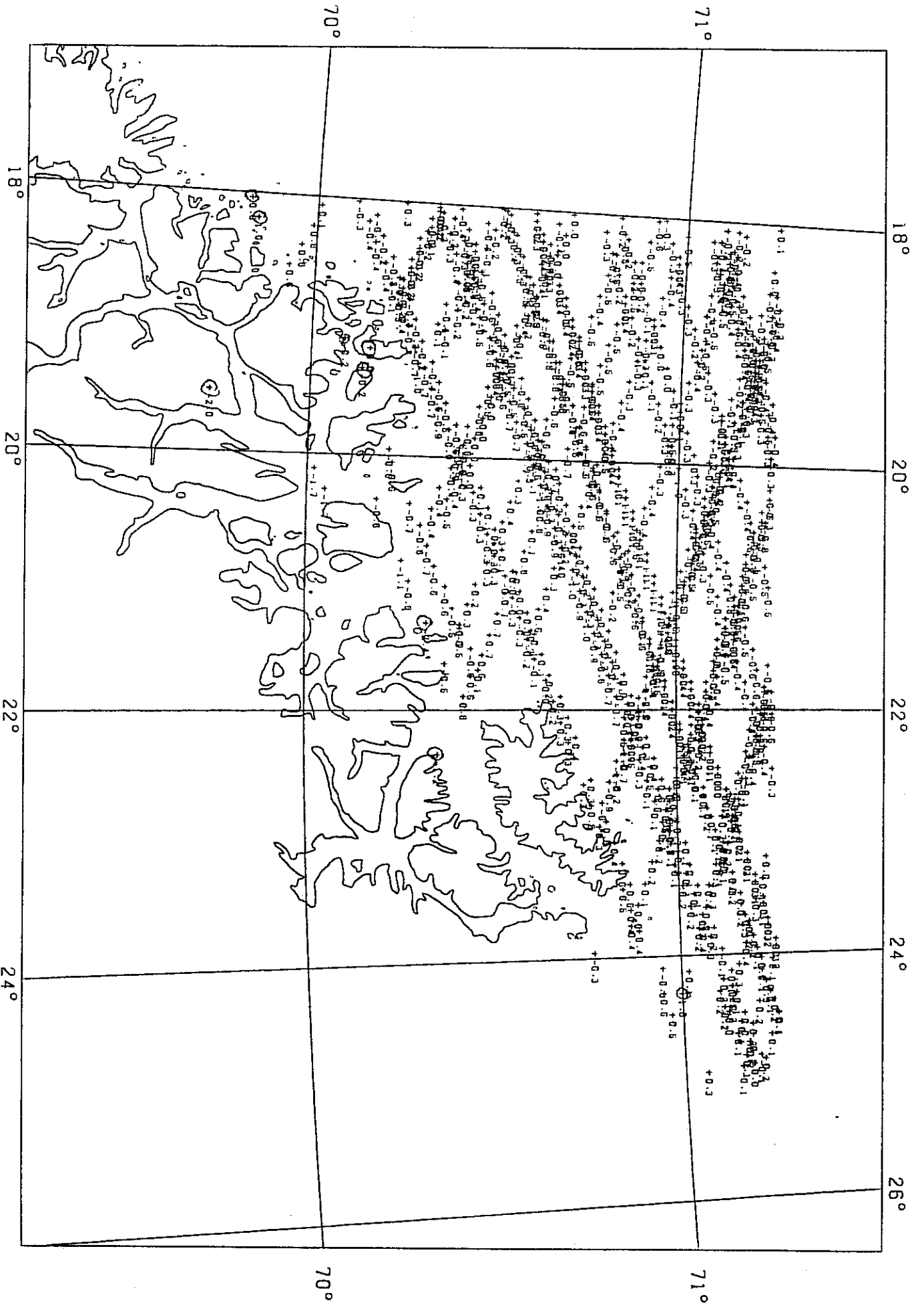


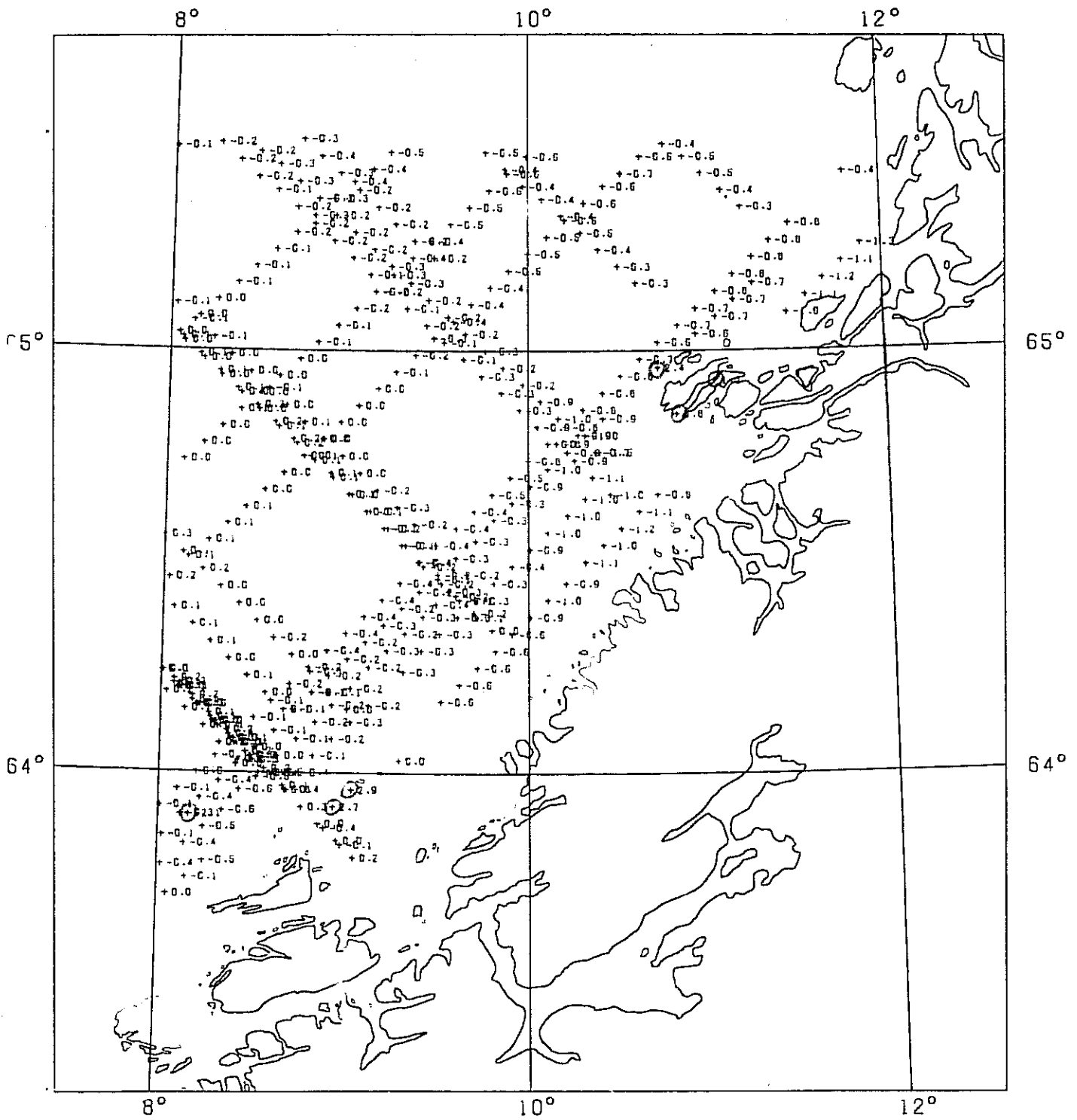
GEOPLOT residual geoid *St. Helena 7013*  
 + FILE: seasatresi 13



Station 6213

Station 6213

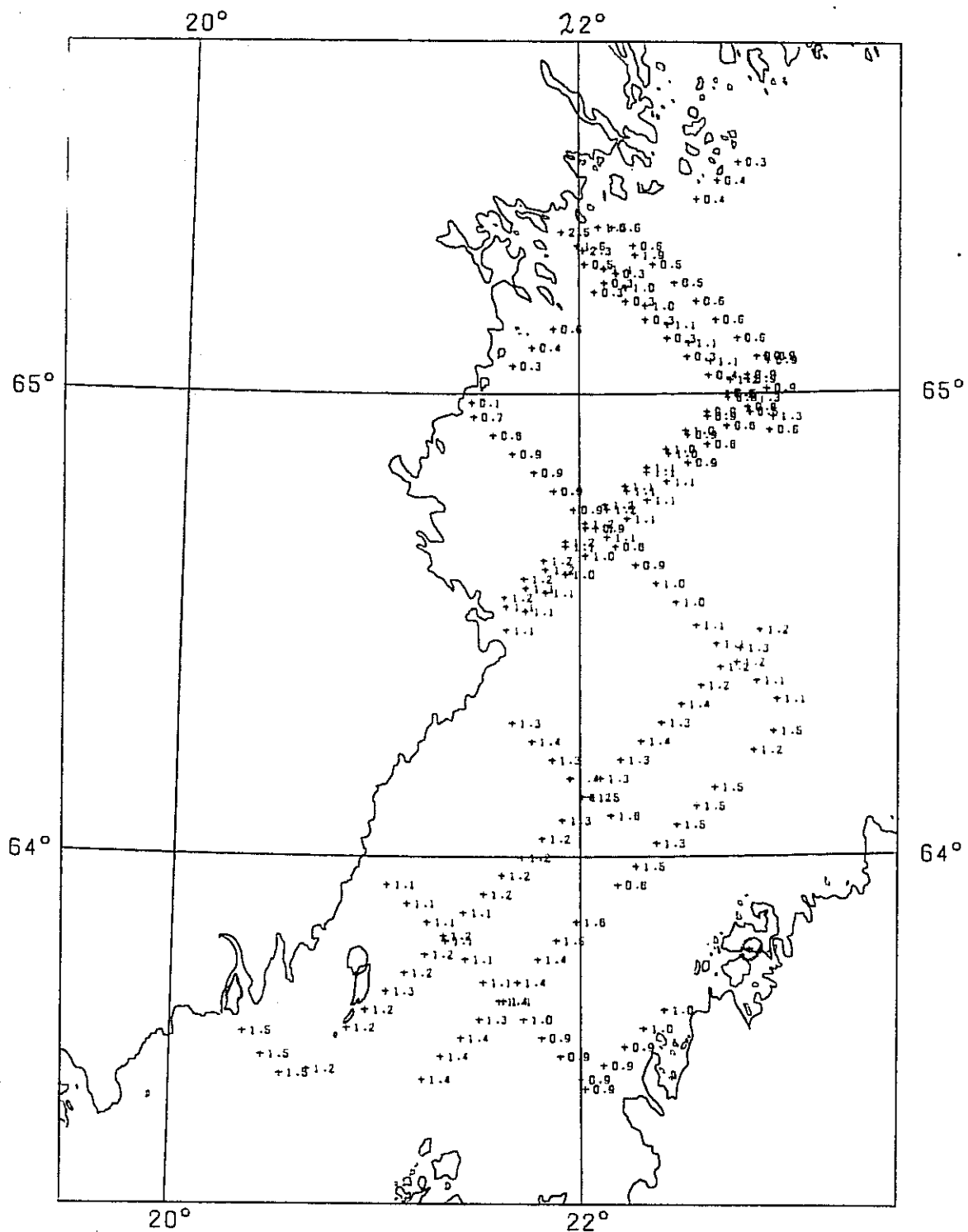




GEOPLOT residualgeoid  
 + FILE: seasalresi 13

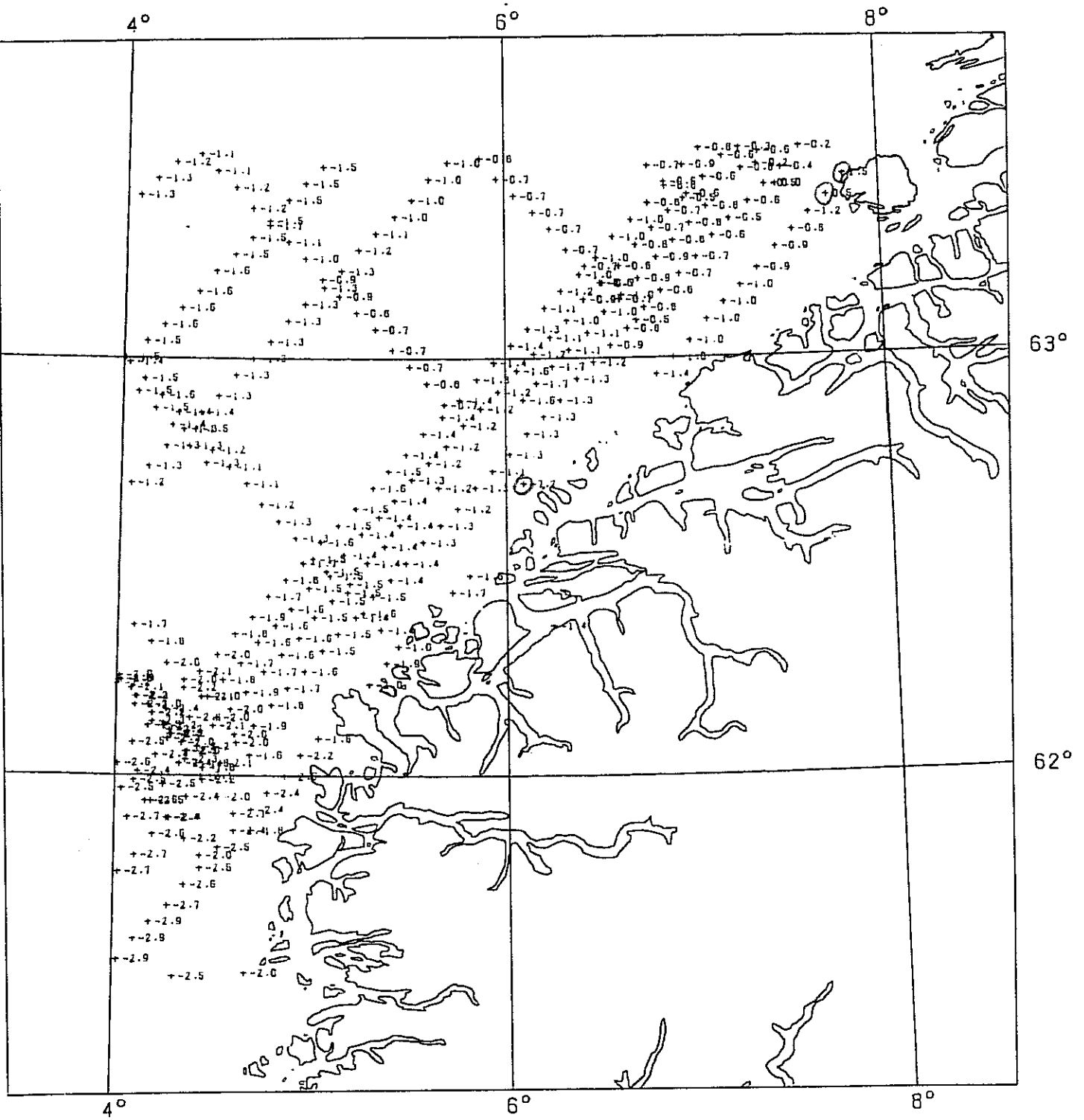
unit m.

station 6607



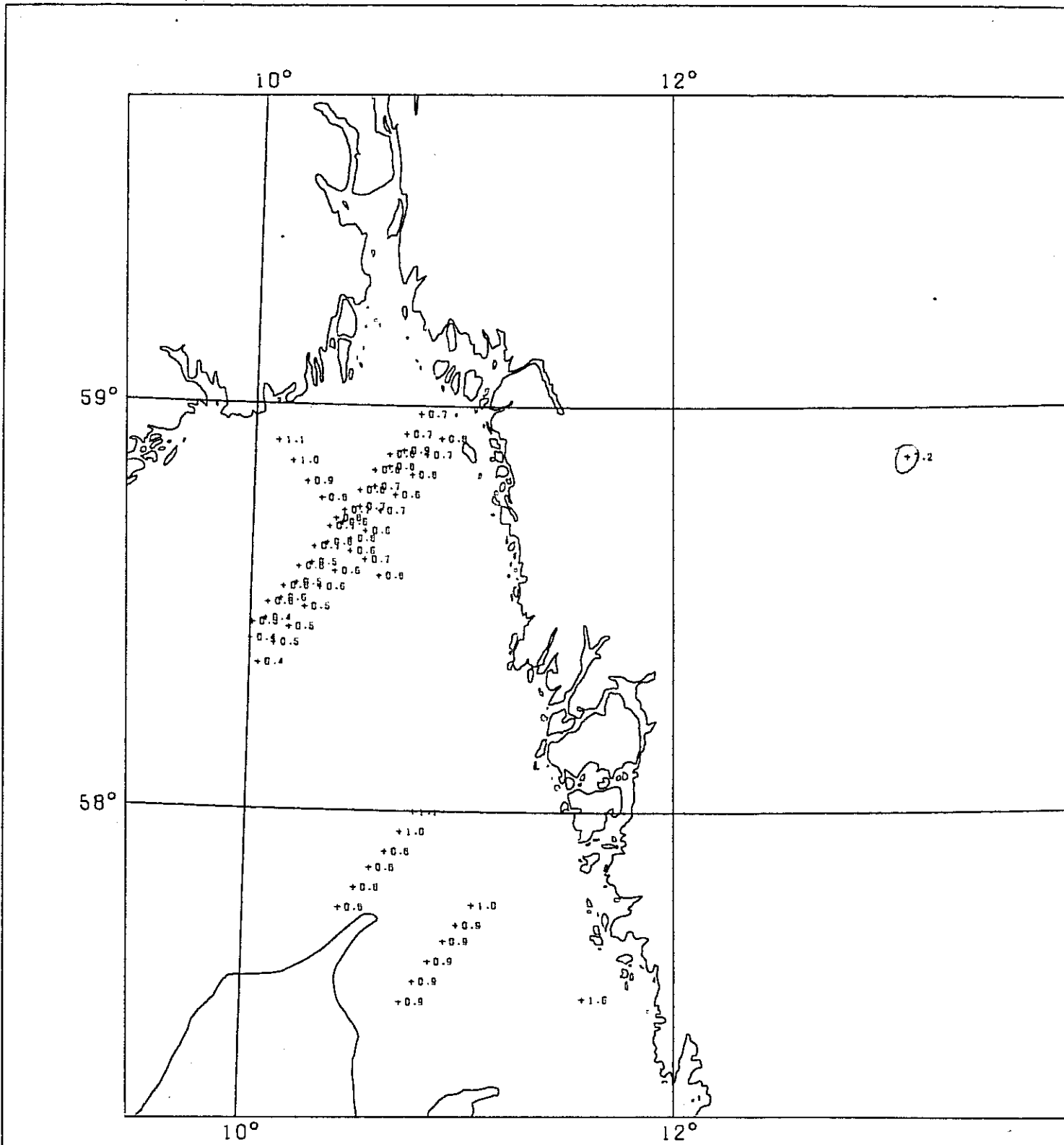
GEOPLOT residual geoid  
+ FILE: seasatresi 13 (5546.2 66.13)





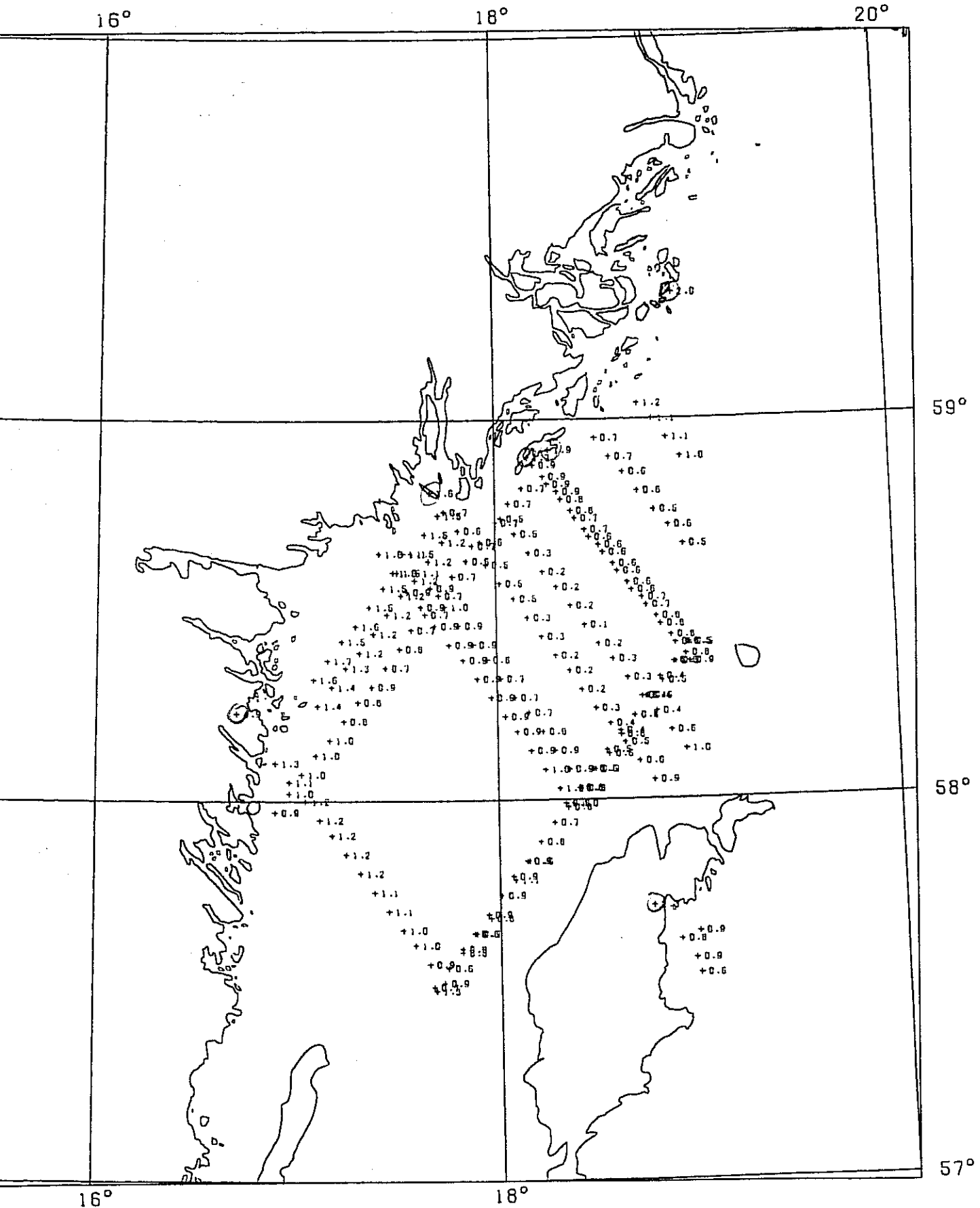
LOT residualgeoid  
LE: seasatresi 13

*solution 6405*



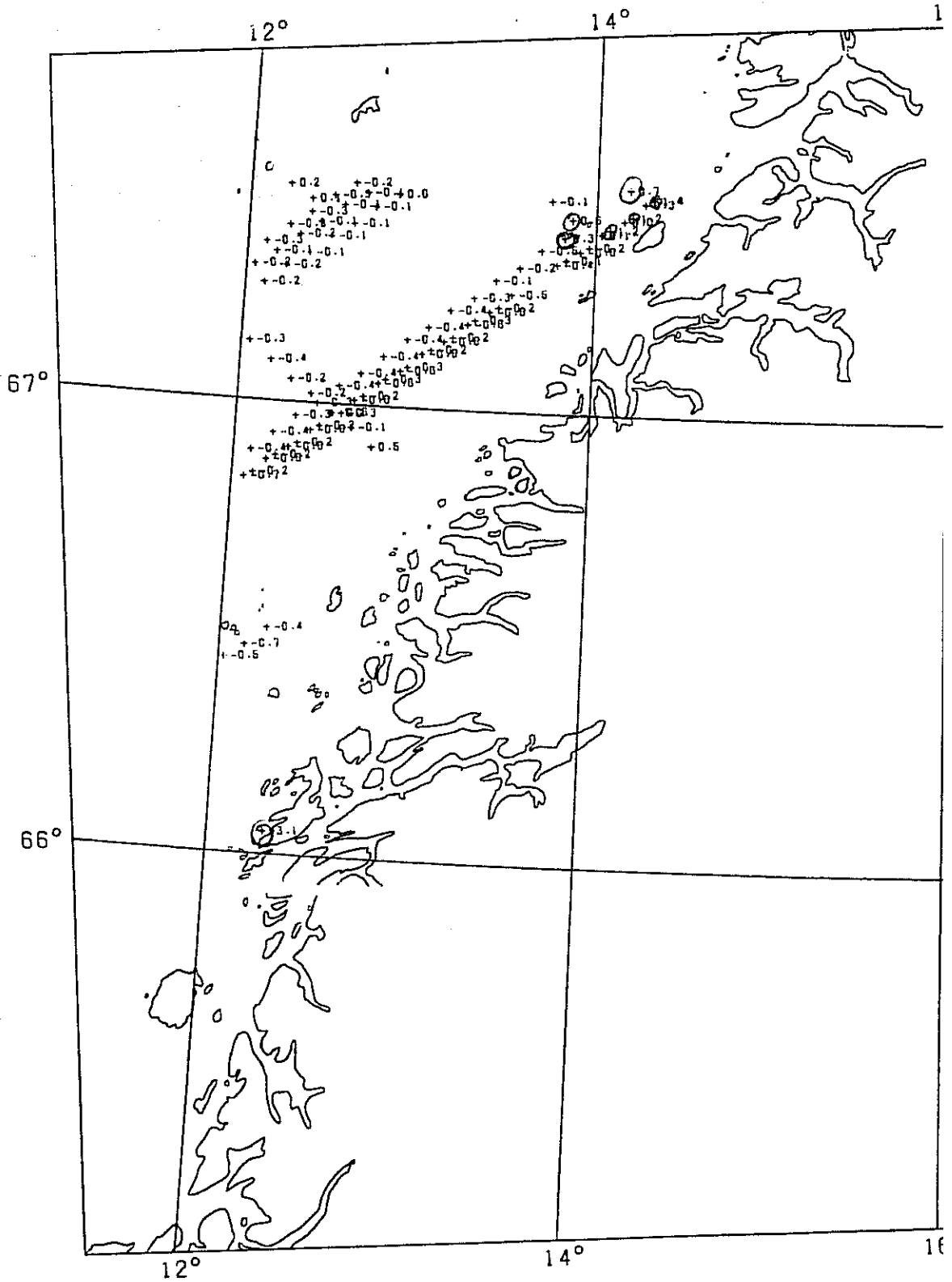
GEOPLOT residualgeoid  
 + FILE: seasatresi 13

*soluhim 6009*



geoid solution 6013  
 resi 13

post 6013 f



GEOPLOT residualgeoid  
 + FILE: seasatresi 13

*Solomon 6811*





