

Differences:

National geoid model of Denmark DVR90(2023) minus BSCD2000 transformation grid for Danish islands

**Version:** 1.0 (2023-11-07)

Reference: © Baltic Sea Hydrographic Commission  
<https://www.bshc.pro/iho-bscd2000>

Contact: Stefan Krebs, SDFI ([stkre@sdfi.dk](mailto:stkre@sdfi.dk))

Further information (in Danish only):

<https://sdfi.dk/Media/638325244589317645/010-DVR90.pdf>

## Bornholm

### Please note:

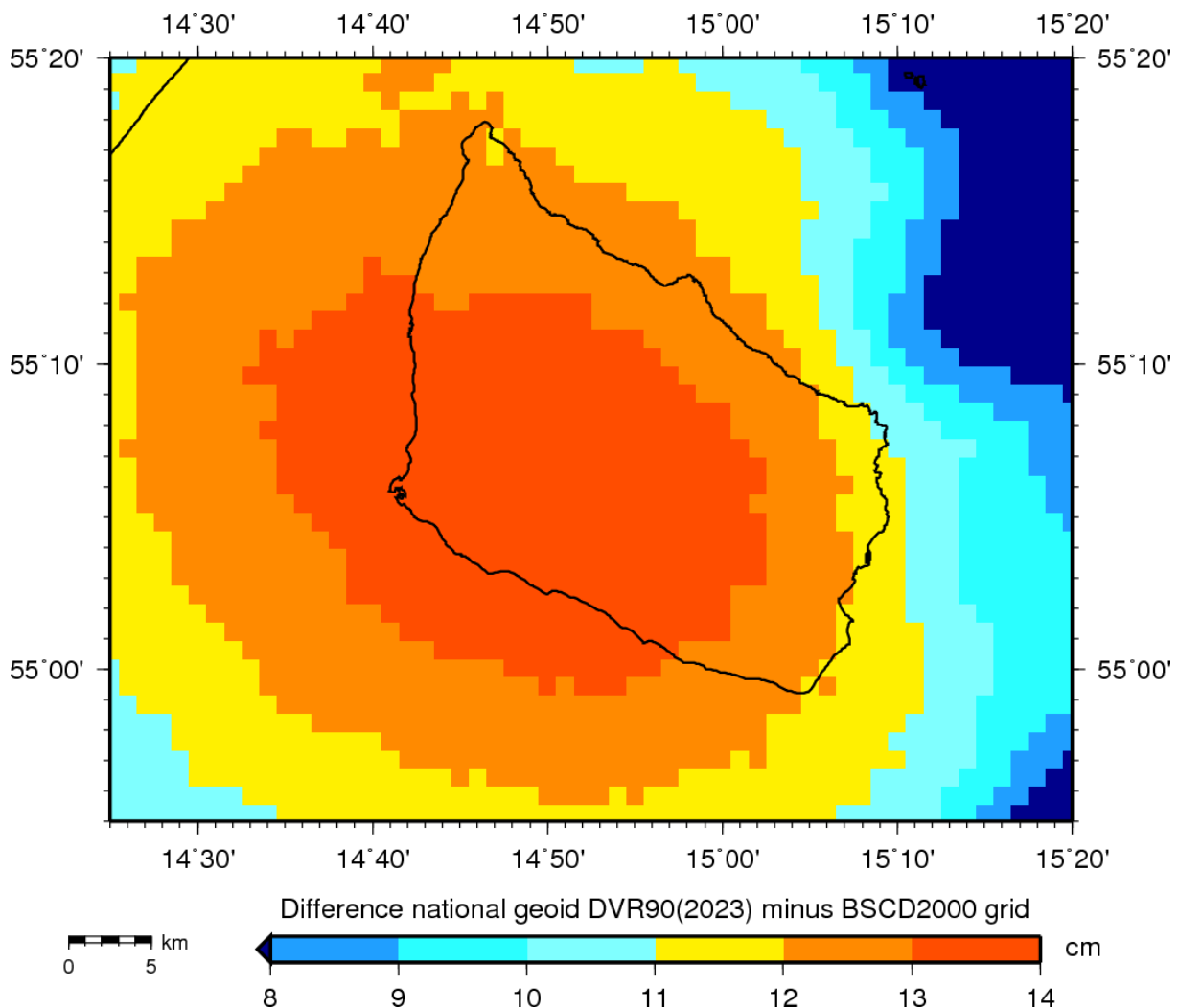
The Danish vertical reference system DVR90 is related to the historical mean sea level at the Normal Amsterdams Peil (NAP). The local DVR90 height datum for the island of Bornholm is related to the mean sea level at Bornholm, which differs from the zero level of NAP by about 13 cm. The DVR90(2023) geoid has been fitted to the local datum of Bornholm in that area. This explains the big anomaly around Bornholm and south of Sweden.

### Differences at geodetic benchmarks:

BSCD2000 height from transformation grid minus local DVR90/Bornholm height

**Mean:** -13 cm  
**Minimum:** -15 cm  
**Maximum:** -11 cm  
**No. of benchmarks:** 5

### Difference of national geoid model DVR90(2023) minus BSCD2000 transformation grid:



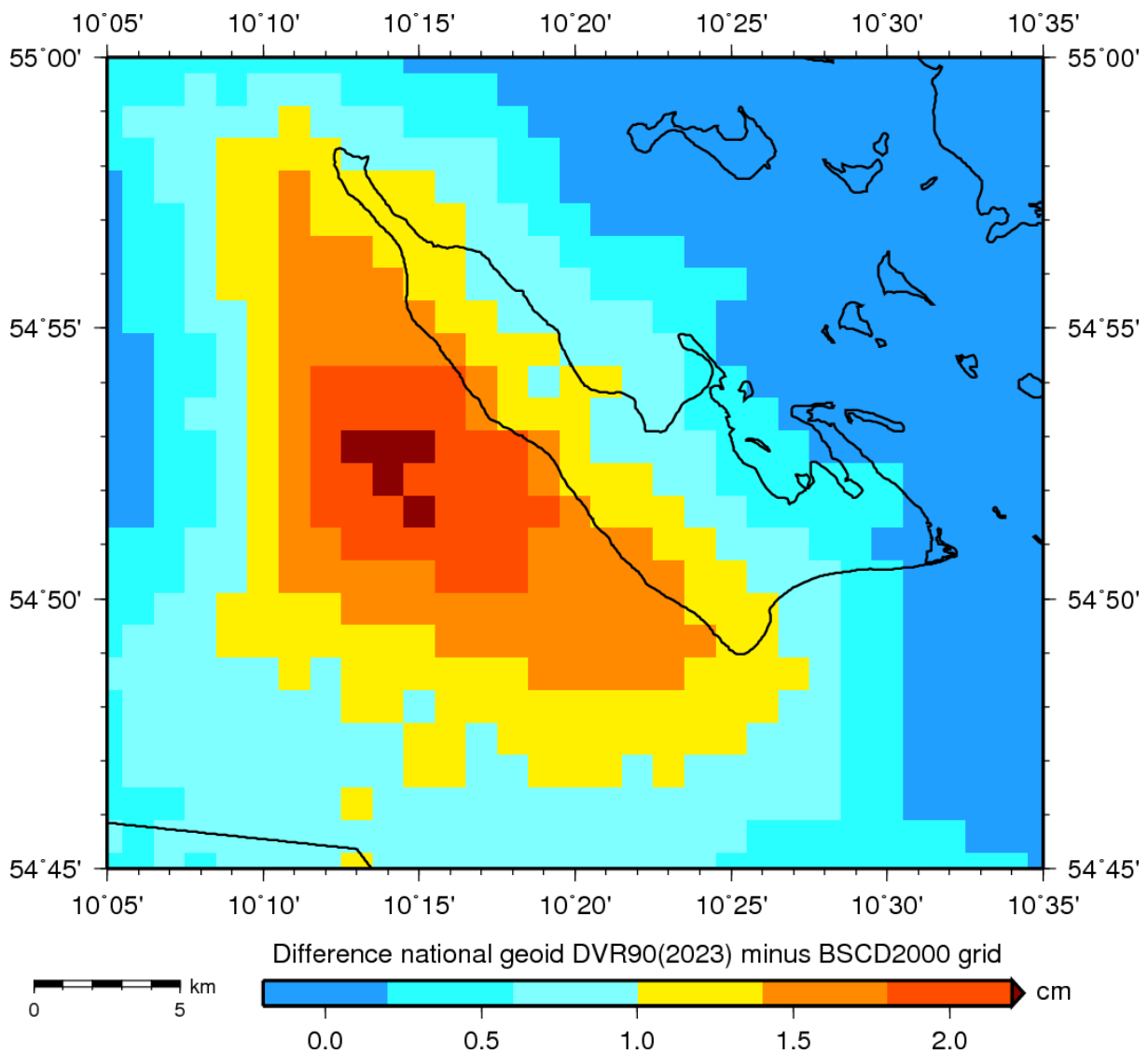
**Differences at geodetic benchmarks:**

BSCD2000 height from transformation grid minus DVR90/Bornholm height

**Mean:** -3 cm

No. of benchmarks: 1

**Difference of national geoid model DVR90(2023) minus BSCD2000 transformation grid:**



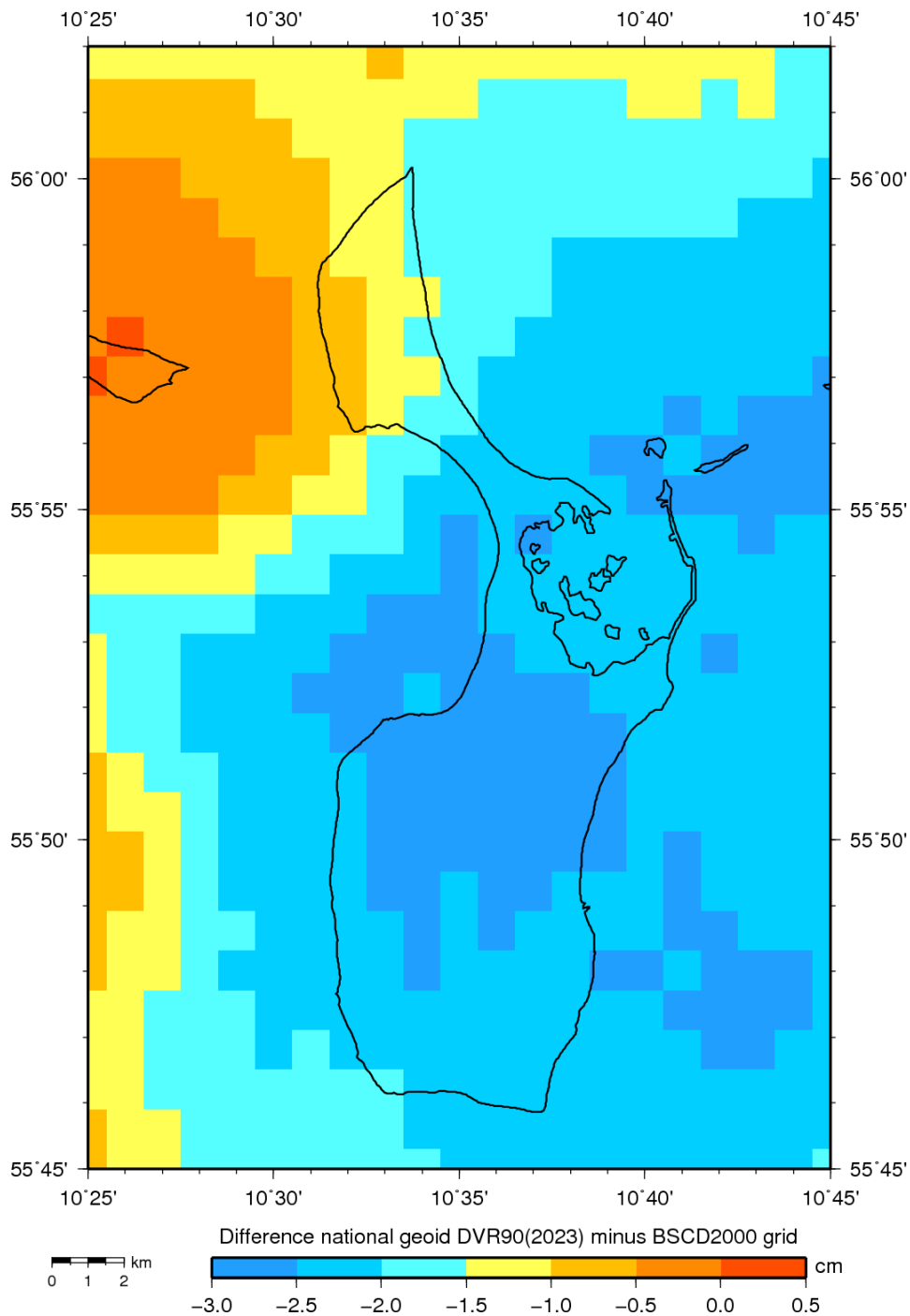
**Differences at geodetic benchmarks:**

BSCD2000 height from transformation grid minus DVR90/Ærø height

**Mean: +4 cm**

No. of benchmarks: 2

**Difference of national geoid model DVR90(2023) minus BSCD2000 transformation grid:**



## Anholt

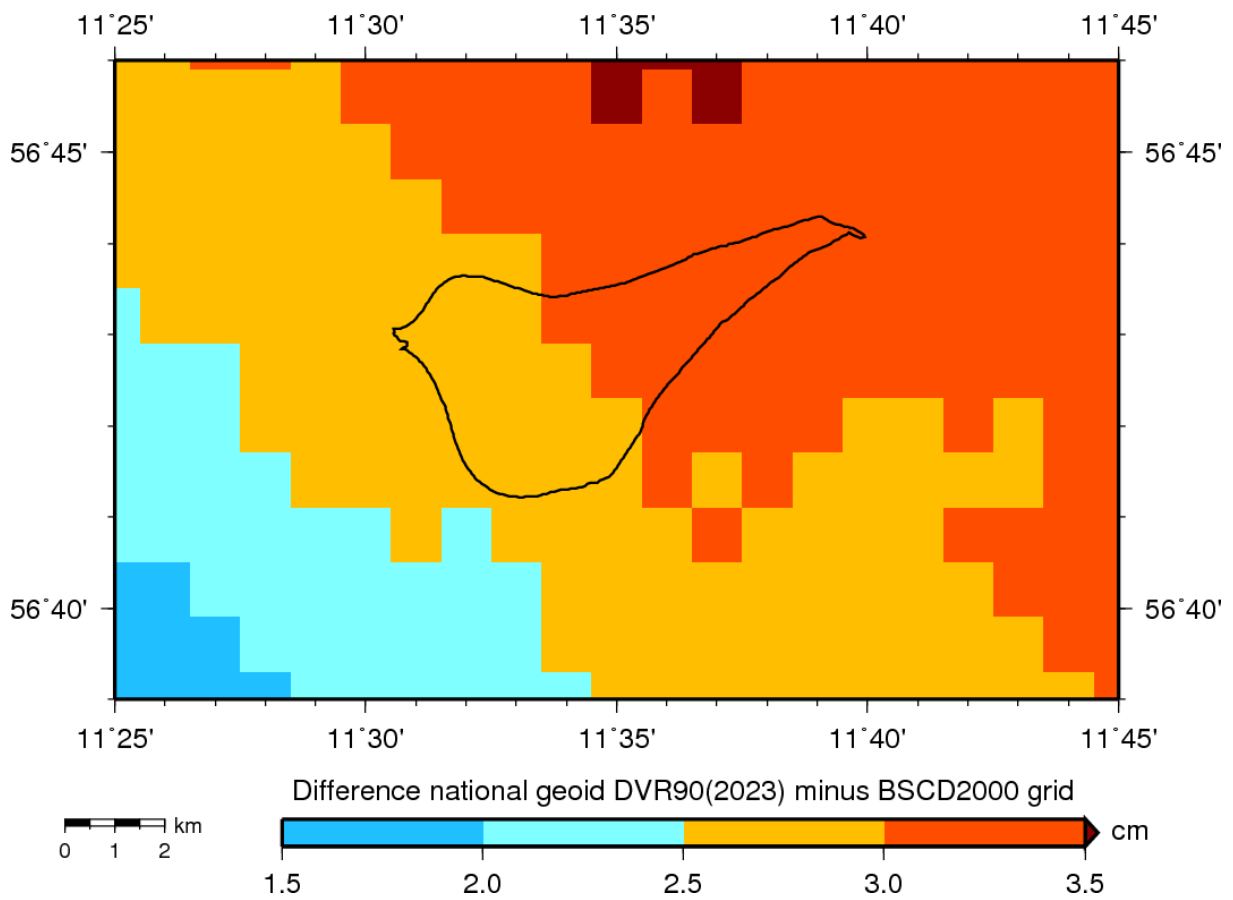
### Differences at geodetic benchmarks:

BSCD2000 height from transformation grid minus DVR90/Anholt height

Mean: -3 cm

No. of benchmarks: 2

### Difference of national geoid model DVR90(2023) minus BSCD2000 transformation grid:



**Differences at geodetic benchmarks:**

BSCD2000 height from transformation grid minus DVR90/Læsø height

**Mean:** -1 cm

No. of benchmarks: 1

**Difference of national geoid model DVR90(2023) minus BSCD2000 transformation grid:**

