

Abramovitz, Tanni; Smit, Florian W.H., 2024, "Two-Way Time (TWT) grids from the Thorning project", GEUS Dataverse

Thank you for downloading GEUS' gridded interpretations in two-way time of the Thorning structure from the [CCS2022–2024 project](#).

The grids in two-way time from key seismic horizons of this folder are based on 2D seismic data acquired in 2023 (the GEUS2023-THORNING survey and the reprocessing GEUS2023-THORNING-RE2024) and legacy seismic data and published as of date: December 16th, 2024.

The work is finalized and is reported in a public GEUS report (see reference below) and the grids of key interpretations are provided for reference of the initial maturation of the structure.

GEUS disclaims any responsibility of the grids, their exactness as well as the applicability of the data to the customer's purpose. Any use of the interpretations from this folder are not the responsibility of GEUS. Please also refer to GEUS terms of delivery (GEUS_Terms_of_Delivery_20230919.pdf, available in this folder).

The seismic interpreted grids are made in Petrel (2022 version) in two-way time (negative values), with a grid size of 100 X 100 meter, smoothed (with one iteration indicated by '1xsm' in filename and filter width 3), and exported from Petrel (Zmap+) as .dat (ASCII) files.

Reference for the data:

Bjerager, M., Abramovitz, T., Vosgerau, H., Gregersen, U., Smit, F.W.H., Jusri, T.A., Mathiesen, A., Mørk, F., Schovsbo, N.H., Petersen, H.I., Nielsen, L.H., Lauridsen, B.W., Sheldon, E., Dybkjær, K., Laghari, S., Rasmussen, L.M. & Keiding, M. 2024: CCS2022-2024 WP1: The Thorning structure - Seismic data and interpretation to mature potential geological storage of CO₂. Danmarks og Grønlands Geologiske Undersøgelse Rapport 2024/27. GEUS. 187 pp. + App. https://www.geus.dk/Media/638696842932397335/GEUS-Report_2024-27_Thorning.pdf

Contents of this folder (14 TWT grids and GEUS' terms of delivery):

Thorning_TopChalk_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_BaseChalk_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopFrederikshavn_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopFjerritslev_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopMound_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopGassum_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_IntraGassum_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopVinding_twt_100x100mGrid_1xsm_geus2024.dat
Thorning_TopTønder_twt_100x100mGrid_1xsm_geus2024.dat
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Thorning_TopPreZechstein_twt_100x100mGrid_1xsm_geus2024.dat
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