

Product name: ANAS23q

Extended name: monthly Atlas of temperature and salinity for the Northeast Asian Seas 2023 with a quarter horizontal resolution

Short Description:

The ANAS23q contain monthly climatological temperature and salinity, and their error variance for the Northeast Asian Seas (20-52°N, 115-145°E) with a 1/4° horizontal resolution and 56 vertical levels. For the ANAS23, over 1.6 million hydrographic profiles were analyzed, and the interpolation was carried out by the kriging method.

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Domain: 20-52°N (128 grids), 115-145°E (120 grids)

Horizontal Resolution: 1/4°

Depth Levels: 0–50 m at intervals of 10 m, 50–300 m at intervals of 25 m, 300–1,500 m at intervals of 50 m, and 1,500–5,500 m at intervals of 250 m (56 layers)

Temporal Interval: monthly climatology for 0-1,500m, annual climatology below 1,500 m

Variable: tmp (Temperature), sal (Salinity), tmp_errvar (Error Variance of Temperature), sal_errvar (Error Variance of Salinity)

Fund:

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<Flowchart outlining the production process of the ANAS23q>

