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Navigation Data - Hypack Raw Format

Source navigation files from Hypack in original format for playback "RAW". These data contain data as received from the remotely operated vehicle (ROV) or ship data provider.

Oceans 3.0 API filter: `dataProductCode=HYPACK`

Format

Disambiguation of RAW files is available on the Hypack Support website: http://support.hypack.com/support/index.php?/Knowledgebase/Article/View/261/7/hypack-raw-file-header-information-interpretation

See below for the device specific parameters.

Hypack software is required for playback of files.

Oceans 3.0 API filter: `extension=raw`

Device-specific Parameters

ROV Odysseus Navigation (DeviceID 24053):

Odysseus navigation data are renamed with device code, start and end times, but are otherwise as received Hypack Raw files to be played back in Hypack software. These contain eastings, northings, depth, and heading, when available.

The format for data lines are:
[Seconds since midnight on that day] [Message Type] [Hypack device number] [values...]

Sensors:

Easting: from POS device 0 or 5
Northing: from POS device 0 or 5
Depth: from EC1 device 4
Heading: from GYR devices 4 or 8

Discussion

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