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Open Access Earth System Science Data Discussions

Interactive comment on "Measurements of Hydrodynamics, Sediment, Morphology and Benthos on Ameland Ebb-Tidal Delta and Lower Shoreface" *by* Bram C. van Prooijen et al.

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Dear Authors, your manuscript describes a valuable dataset of sediment dynamics in the Netherland part of the Wadden Sea. The Data have been made available by the data repository of the TU Delft by CC-by licence. The repository is well chosen and the functionality provided to the user for accessing the data is very nice. This supports the mission of ESSD to make data reusable for future and extending research. Unfortunately, during checking the data in the repository a number of errors using the web frontend occurred and in the data file a number of "NaN" values occurred, which has not been mentioned in the manuscript and was unexpected. Actually some files

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Discussion paper

just contained "NaN" which is absolutely unacceptable for ESSD, as a data publication. If "NaN" occur this should be documented in the manuscript and only files should be included in the publication that actually contain reusable data. Please improve your data set description there is a AZG campaign mentioned, but the names of data files to mention other campaign acronyms. For future data users this is highly irritating and the manuscript is supposed to overcome these irritations to foster scientific progress. The abstract already should include information on the time periods and usability of the data. It would be good to have a table with data file descriptions, coverage and may be corresponding data files details within the manuscript. A minor comment: if available the impressive number physical samples should make use of persistent identifiers such as International Geo Sample Number (IGSN), but this only as a comment. I provide here a detailed list of data files I had a closer look at:

2018_01_terschelling_dvt1/multiprobe_f3_dvt1.nc - temperature 100% NaN - conductivity 75% NaN - depth range 83-12800 - salinity 100% NaN - pH 100% NaN - turbidity 100% NaN - Chl 100% NaN - bga_pc 100% NaN - odo 100% NaN - time

2018_01_terschelling_dvt1/multiprobe_f4_dvt1.nc - temperature 100% NaN - conductivity 98% NaN - depth - salinity 100% NaN - pH 100% NaN - turbidity 100% Na - Chl 100% NaN - bga_pc 100% NaN - odo 100% NaN - time

2017_09_ameland_azg/multiprobe_f1_azg.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2017_09_ameland_azg/multiprobe_f3_azg.nc - temperature - OK - conductivity - OK - depth - negativ values? - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2017_09_ameland_azg/multiprobe_f4_azg.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - values mainly 0.1 to 0.3, nothing >1 ? - odo - OK - time

2017_09_ameland_azg/multiprobe_f5_azg.nc - temperature 100% NaN - conductivity 95% NaN - depth - OK - salinity 100% NaN - pH 100% NaN - turbidity 100% NaN - Chl 100% NaN - bga_pc 100% NaN - odo 100% NaN - time

2017_11_ameland_dva/multiprobe_f1_dva.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2017_11_ameland_dva/multiprobe_f3_dva.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2017_11_ameland_dva/multiprobe_f4_dva.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - ver low variability of valus ? - odo - OK - time

2018_03_terschelling_dvt2/multiprobe_f1_dvt2.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - Chl - OK - bga_pc - OK - odo - OK - time

2018_03_terschelling_dvt2/multiprobe_f3_dvt2.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2018_03_terschelling_dvt2/multiprobe_f4_dvt2.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2018_04_noordwijk_dvn/multiprobe_f1_dvn.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2018_04_noordwijk_dvn/multiprobe_f3_dvn.nc - temperature - OK - conductivity - OK - depth - OK - salinity - OK - pH - OK - turbidity - OK - Chl - OK - bga_pc - OK - odo - OK - time

2018_04_noordwijk_dvn/multiprobe_f4_dvn.nc - temperature 100% NaN - conductivity 99% NaN - depth - OK - salinity 100% NaN - pH 100% NaN - turbidity 100% NaN - Chl 100% NaN - bga_pc 100% NaN - odo 100% NaN - time

meteo_stations/knmi_meteo.nc - lon - OK - projection - OK - station - OK - time - OK (no time dependent measurement) - DD - OK - FH - OK - lat - OK

2018_04_noordwijk_dvn - adcp_hr_dvn_201804_F1P1.nc (repository returns Error message on html code = 403) - adcp_hr_dvn_201804_F3P2.nc (repository returns Error message on html code = 403) - adcp_hr_dvn_201804_F4P3.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvn_201804_F1P1.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvn_201804_F3P2.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvn_201804_F4P3.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvn_201804_F1P1.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvn_201804_F3P2.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvn_201804_F4P3.nc (repository returns Error message on html code = 403)

2018_01_terschelling_dvt1 - adcp_hr_dvt1_201801_F1P1.nc (repository returns Error message on html code = 403) - adcp_hr_dvt1_201801_F3P2.nc (repository returns Error message on html code = 403) - adcp_hr_dvt1_201801_F4P3.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt1_201801_F1P1.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt1_201801_F3P2.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt1_201801_F4P3.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt1_201801_F1P1.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt1_201801_F3P2.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt1_201801_F4P3.nc (repository returns Error

message on html code = 403)

2018_03_terschelling_dvt2 - adcp_hr_dvt2_201803_F1P1.nc (repository returns Error message on html code = 403) - adcp_hr_dvt2_201803_F3P2.nc (repository returns Error message on html code = 403) - adcp_hr_dvt2_201803_F4P3.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt2_201803_F1P1.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt2_201803_F3P2.nc (repository returns Error message on html code = 403) - pressure_adcp_hr_dvt2_201803_F4P3.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt2_201803_F1P1.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt2_201803_F3P2.nc (repository returns Error message on html code = 403) - temperature_adcp_hr_dvt2_201803_F4P3.nc (repository returns Error message on html code = 403)

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