

TITLE: Data underlying the publication “Spatial and temporal variation in long-term silt accumulation in a back-barrier salt marsh”

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‘Schiermonnikoog_grid_2010_dataset.xlsx’

Dataset of elevation and thickness of salt-marsh deposits at the landscape scale, which covered the area from the base of the dunes to the intertidal flats, with a grid of 820 points (sampled only in 2010)

Field name	Description
Year	Year of measurement
Row	Row number in the landscape measurement grid
Point	Number of points beginning southeast
RD_X	Longitude in RD New (Rijksdriehoekstelsel) coordinate system
RD_Y	Latitude in RD New (Rijksdriehoekstelsel) coordinate system
Island	Name of the barrier island
NAP	Elevation according to NAP (cm)
MHT	Elevation according to Mean High Tide (cm)
total_thickness	Total thickness of the fine-grained marsh deposits (top layer) (cm)
distance	Distance from the salt-marsh edge (m)

‘Schiermonnikoog_short_transects_dataset.xlsx’

Dataset of elevation and thickness of salt-marsh deposits in the six small-scale permanent transects, established in the field on the gradient between a low dune and adjacent salt marsh. Transects were sampled in 1992, 2001, 2005, 2007 and 2009.

Field name	Description
Year	Year of measurement
Island	Name of the barrier island
transect	Transect number
column	Column number
row	Row number
quadrat	Quadrat number
total_thickness	Total thickness of the fine-grained marsh deposits (top layer) (cm)
NAP	Elevation according to NAP (cm)
MHT	Elevation according to Mean High Tide (cm)