



Supplement of

A three-quantile bias correction with spatial transfer for the correction of simulated European river runoff to force ocean models

Stefan Hagemann et al.

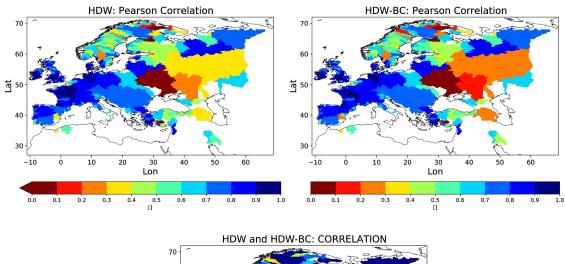
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Supplementary Material

Table S1: Various metrics (see Sect. 2.7) of the simulated salinity time series in 6 m depth compared with the SSS data of Droghei et al. (2018) at the locations of the stations *Deutsche Bucht* and *EMS* for 2011-2018 and at *Deutsche Bucht* for 2013.

	2011-2018				2013		
	Deutsche Bucht		EN	EMS		Deutsche Bucht	
Metric	HDW	HDW-BC	HDW	HDW-BC	HDW	HDW-BC	
Bias [%]	-3	-2.2	-1.1	-0.7	-3.9	-2.6	
Variability ratio [%]	135.5	117.1	130.4	116.7	132.7	116.2	
Normalized RMSE [%]	23.2	18.7	25.6	22.9	50.8	36.9	
Centered RMSE	1.01	0.89	0.91	0.84	0.78	0.70	
Correlation	0.14	0.21	0.25	0.26	0.16	0.22	



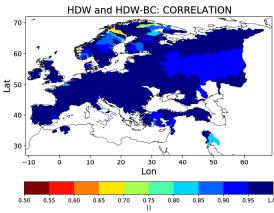


Figure S1: Correlation of a) HDW and b) HDW-BC with observations as well as c) HDW with HDW-BC from 1979-2014.

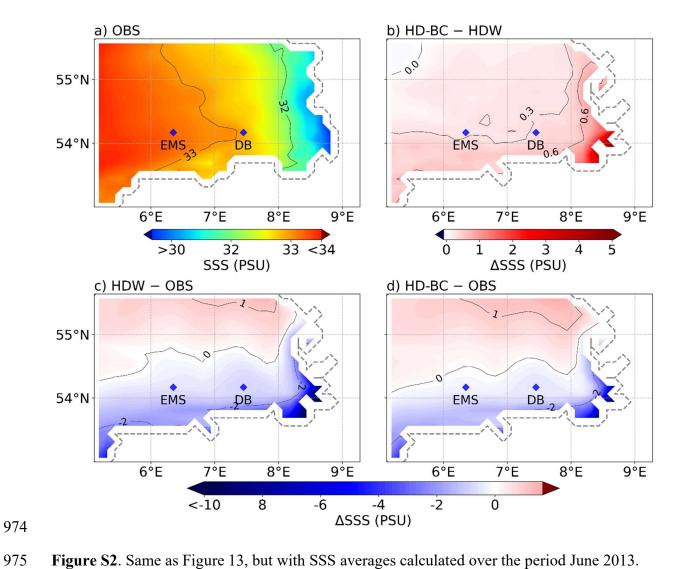


Figure S2. Same as Figure 13, but with SSS averages calculated over the period June 2013.