

Table S1. Tide gauge stations used in this study grouped by area. Columns indicate: station code at PSMSL data base, station name, period of operation of the tide gauge, percentage of data gaps, observed relative sea level trend and corrected sea level trend. The error bars denote the standard error.

<i>PSMSL Identifier</i>	<i>Station</i>	<i>Period</i>	<i>Gaps(%)</i>	<i>Observed</i>	<i>Corrected</i>
<i>Mediterranean Sea</i>					
59	Genova	1900-1997	25	1.37±0.05	1.65±0.05
61	Marseille	1900-2010	4	1.42±0.04	1.56±0.04
9992	Alexandria	1944-2006	5	2.00±0.11	2.19±0.11
<i>Western Europe</i>					
162	Lagos	1908-1999	21	1.60±0.06	1.60±0.06
202	Newlyn	1915-2010	1	2.10±0.04	2.46±0.04
483	Vigo	1943-2010	1	2.50±0.11	2.44±0.11
485	Santander I	1943-2010	3	2.41±0.09	2.62±0.09
9993	Cascais	1900-2005	8	1.58±0.04	2.38±0.04
<i>North Sea</i>					
7	Cuxhaven 2	1900-2010	0	2.98±0.11	2.09±0.11
9	Maassluis	1900-2010	0	1.97±0.07	1.95±0.07
23	Den Helder	1900-2010	0	1.79±0.07	1.88±0.07
24	Delfzijl	1900-2010	0	2.16±0.08	2.07±0.08
25	Harlingen	1900-2010	0	1.44±0.08	1.53±0.08
32	Ijmuiden	1900-2010	0	2.46±0.07	2.42±0.07
47	Stavanger	1919-2010	10	0.68±0.06	2.61±0.06
236	West-Terschelling	1921-2010	0	1.20±0.10	1.29±0.10
302	Tregde	1927-2010	3	0.43±0.06	2.01±0.06
361	Aberdeen I	1931-2010	8	1.28±0.07	2.40±0.07
830	Lerwick	1957-2010	9	0.10±0.12	0.45±0.12
839	Torshavn	1957-2006	16	1.78±0.11	2.15±0.11
<i>Baltic Sea</i>					
8	Wismar 2	1900-2010	1	1.68±0.07	3.01±0.07
11	Warnemunde 2	1900-2010	1	1.61±0.07	2.91±0.07
13	Travemunde	1900-2010	7	1.87±0.08	3.20±0.08
14	Helsinki	1900-2010	1	-2.12±0.11	2.15±0.11
89	Hirtshals	1900-2010	4	-0.03±0.07	2.81±0.07
91	Frederikshavn	1900-2010	4	0.30±0.05	3.12±0.05
99	Nedre Gavle	1900-1986	0	-5.91±0.14	1.79±0.14
120	Gedser	1900-2010	1	1.33±0.08	2.20±0.08
203	Furuogrund	1916-2010	1	-8.23±0.15	1.94±0.15
397	Sassnitz	1395-2010	13	0.85±0.17	2.35±0.17
762	Rodbyhavn	1955-2010	4	1.60±0.21	2.49±0.21
2105	Visby	1916-2010	1	-1.11±0.12	1.81±0.12
<i>N. Indian Ocean</i>					
414	Vishakhapatnam	1937-2009	14	0.88±0.13	1.06±0.13
438	Cochin	1939-2007	7	1.63±0.09	1.48±0.09
<i>Japan</i>					
701	Kainan	1953-2010	1	-1.81±0.15	2.66±0.15
721	Asamushi	1954-2010	1	1.30±0.08	2.64±0.08
814	Aburatsu	1960-2010	1	1.82±0.16	0.53±0.16
<i>New Zealand</i>					
136	Dunedin II	1900-2010	29	1.29±0.05	0.71±0.05
150	Auckland II	1903-2000	3	1.38±0.05	1.51±0.05
221	Wellington H.	1944-2010	5	2.67±0.08	0.69±0.08

Hawaii					
155	Honolulu	1905-2010	0	1.62±0.04	1.62±0.04
521	Kahului H.	1947-2010	8	2.21±0.10	1.22±0.10
NW America					
10	San Francisco	1900-2010	0	1.91±0.04	1.37±0.04
127	Seattle	1900-2010	0	2.07±0.04	1.13±0.04
166	Victoria	1909-2010	1	0.67±0.05	1.62±0.05
265	Astoria	1925-2010	1	-0.28±0.09	2.30±0.09
377	Santa Monica	1933-2010	11	1.37±0.07	2.21±0.07
384	Friday Harbor	1934-2010	2	1.11±0.07	2.06±0.07
385	Neah Bay	1934-2010	2	-1.63±0.09	1.39±0.09
508	Port San Luis	1945-2010	6	0.68±0.09	2.56±0.09
Gulf of Mexico					
161	Galveston II	1908-2010	1	6.57±0.08	1.77±0.08
188	Key West	1913-2010	1	2.28±0.05	2.29±0.05
246	Pensacola	1923-2010	1	2.27±0.07	1.75±0.07
526	Grand Isle	1947-2010	5	9.34±0.13	2.00±0.13
828	Galveston I	1957-2010	9	6.82±0.21	2.01±0.21
Tropical E. America					
112	Fernandina B.	1900-2010	15	2.15±0.07	1.42±0.07
234	Charleston I	1921-2010	0	3.24±0.08	2.50±0.08
316	Mayport	1928-2000	1	2.55±0.12	1.82±0.12
395	Fort Pulaski	1935-2010	1	3.10±0.11	2.35±0.11
NE America					
96	Halifax	1919-2010	2	3.37±0.04	2.58±0.04
183	Portland	1912-2010	1	1.94±0.05	1.59±0.05
224	Lewes	1919-2010	26	3.36±0.09	2.02±0.09
299	Sewells Pt.	1927-2010	1	4.65±0.09	3.00±0.09
351	Newport	1930-2010	1	2.81±0.06	3.04±0.06
367	Woods Hole	1932-2010	6	2.85±0.06	3.07±0.06
412	Solomon's Is.	1937-2010	3	3.64±0.09	1.42±0.09
430	Providence	1938-2010	14	2.25±0.07	2.47±0.07
519	Montauk	1947-2010	9	3.00±0.10	1.52±0.10
597	Gloucester Pt.	1950-2003	8	3.80±0.17	2.11±0.17
636	Kiptopeke B.	1951-2010	1	3.49±0.13	1.82±0.13
SE America					
157	Palermo	1905-1987	0	1.48±0.11	1.09±0.11
832	Buenos Aires	1957-2010	2	1.91±0.25	1.52±0.25
Others					
368	Bermuda	1932-2010	15	2.06±0.14	1.52±0.14
513	Kwajalein	1946-2010	3	2.05±0.12	1.23±0.12
934	Kanmen	1959-2010	1	1.78±0.16	2.05±0.16
569	Tiksi	1949-2009	0	1.21±0.23	2.32±0.23