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3	Correction to "Long Term and Recent Changes in Sea Level in the Falkland Islands"
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6	P.L. Woodworth, D.T. Pugh
7	National Oceanography Centre, Joseph Proudman Building,
8	6 Brownlow Street, Liverpool L3 5DA, United Kingdom
9	
10	and R.M. Bingley
11	Institute of Engineering Surveying and Space Geodesy, University of Nottingham, University Park,
12	Nottingham NG7 2RD
13	
14 15	AGU Index Terms: 4556 Sea Level; 1724 History of Geophysics: Ocean Sciences; 4513 Decadal Ocean Variability; 1225 Global Change from Geodesy
16 17 18 19	Keywords: Southern Ocean sea level changes; James Clark Ross discoveries; Southern Ocean circulation
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21	In paragraph [47] of Woodworth et al. [2010] we adopted a value of -0.52 mm/yr for the estimated
22	rate of present-day sea level change in the Falkland Islands due to glacial isostatic adjustment
23	(GIA). This value was used to remove the contributions of GIA to our measurements of historical
24	and recent rates of sea level change. However, it was based on a mis-reading of the data file of
25	Peltier [2004] on the Permanent Service for Mean Sea Level web site
26	(http://www.psmsl.org/train_and_info/geo_signals/gia/peltier). More reasonable values to apply to

27	the observed changes since the mid-19 th century and in recent years would be -0.69 and -0.61
28	mm/yr respectively. Consequently, the long-term rate of sea level change between 1842 and the
29	early 1980s, after correction for air pressure effects and for GIA, reported as $+0.75 \pm 0.35$ mm/yr
30	in paragraphs [1,47,55,61] should be $+0.92 \pm 0.35$ mm/yr, the corresponding rate between 1842 and
31	the mid-point of recent data of 1.06 \pm 0.22 mm/yr in paragraphs [48,55] should be 1.23 \pm 0.22
32	mm/yr, and the corresponding rate since 1992 reported as 2.51 ± 0.58 mm/yr in paragraphs [1,52]
33	becomes 2.60 ± 0.58 mm/yr. The middle of paragraph [63] becomes "The Stanley data suggest that
34	the rate of change of sea level in East Falkland since 1992 has been approximately 2.6 mm/yr, a
35	rate supported by information from satellite altimetry." These small GIA model corrections have no
36	bearing on the main findings of our paper on the difference in the rates of sea level change between
37	the historical (1842 to present day) and recent (last two decades) epochs.

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- 44 in the Falkland Islands, J. Geophys. Res., 115, C09025, doi:10.1029/2010JC006113.

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³⁹ References