**SUPPLEMENTARY MATERIALS**

**Jenkins, C.J. 2018. “Sediment Accumulation Rates for the Mississippi Delta Region: A Time-Interval Synthesis”**

Figure S1. Plot of the Sadler Effect coefficients Intercept and Slope for various divisions of the data, illustrating the scope of their variability. The error bars show the 1σ level of Standard Deviation on each coefficient, calculated from the Standard Error of the regression on the log10 raw data values. The divisions are denoted as follows: prodelta – prodelta area of the Mississippi Delta; bay – an enclosed marine area; canyon – submarine canyon area; shoreline – shore zones of land or offshore islands, including barrier islands; shelf – continental shelf, broadly; deeps – all areas deeper than the continental shelf; (for example) 25\_wd\_80 –for all data in areas between 25 and 80m WD; (for example) 33\_mud\_66 – all data in areas with between 33 and 66% mud contents according to dbSEABED griddings (Jenkins ) ; raw\_by\_codes – all the data.

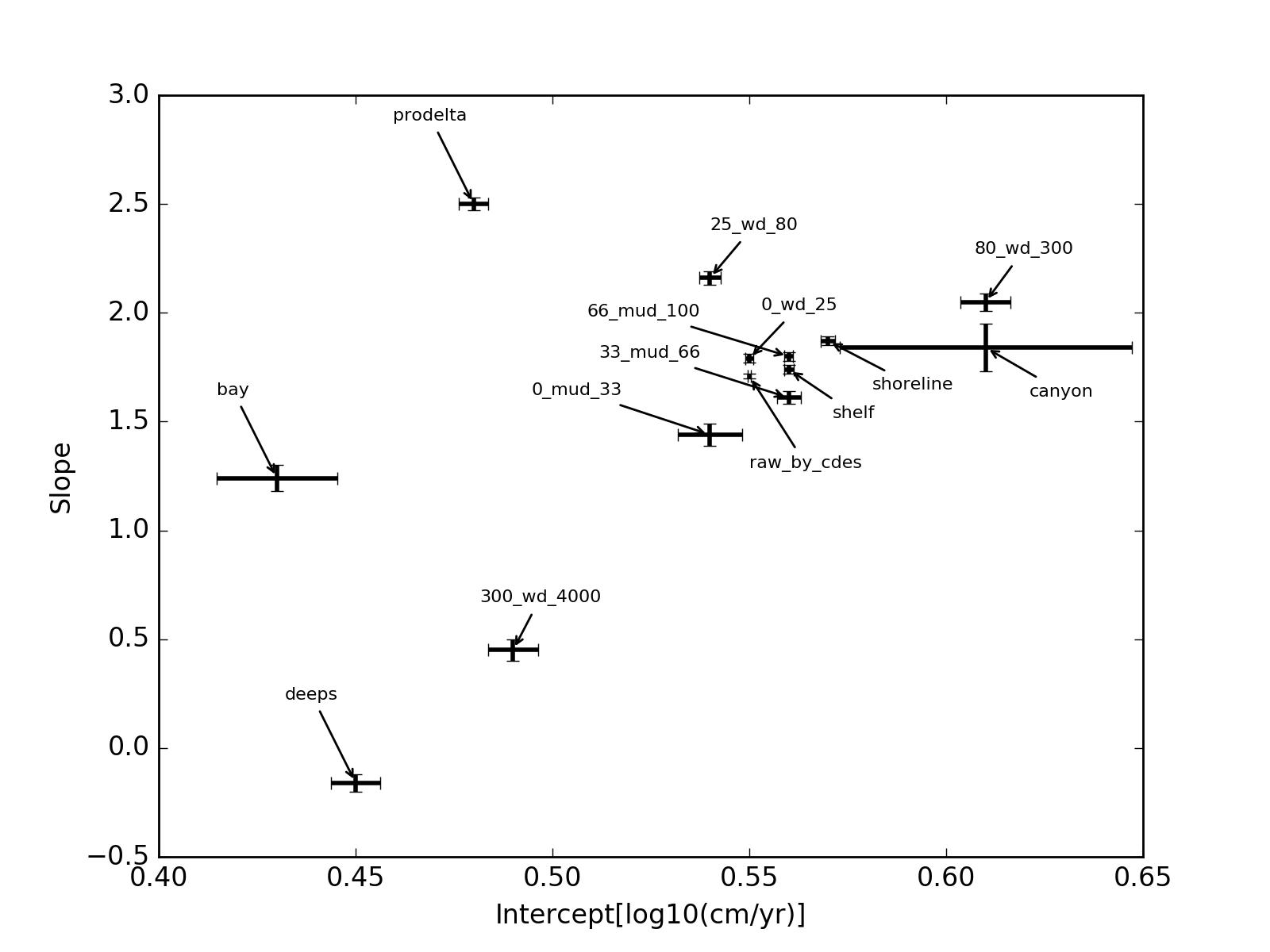


Table S1. Sadler Effect coefficients for divisions of the data by WD and province. (\* Values have units of log10\_cm/yr.)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter:**  **Division:** | **Slope (β’)** | **Intercept (α\*)** | **Intercept LAR (cm/yr)** | **R2** | **N** | **stdErr** | **SD Intercept (\*)** | **SD Slope** |
| **All data** | 0.55 | 1.71 | 51.3 | 0.66 | 717 | 0.01 | 0.0004 | 0.0001 |
| **0\_wd\_25** | 0.55 | 1.79 | 61.7 | 0.73 | 388 | 0.02 | 0.0011 | 0.0003 |
| **25\_wd\_80** | 0.54 | 2.16 | 144.5 | 0.66 | 156 | 0.03 | 0.0027 | 0.0008 |
| **80\_wd\_300** | 0.61 | 2.05 | 112.2 | 0.74 | 71 | 0.04 | 0.0064 | 0.0017 |
| **300\_wd\_4000** | 0.49 | 0.45 | 2.8 | 0.5 | 114 | 0.05 | 0.0063 | 0.0016 |
| **shoreline** | 0.57 | 1.87 | 74.1 | 0.79 | 163 | 0.02 | 0.0018 | 0.0005 |
| **bay** | 0.43 | 1.24 | 17.4 | 0.55 | 43 | 0.06 | 0.0153 | 0.0038 |
| **prodelta** | 0.48 | 2.5 | 316.2 | 0.75 | 100 | 0.03 | 0.0037 | 0.0010 |
| **shelf** | 0.56 | 1.74 | 55.0 | 0.67 | 292 | 0.02 | 0.0012 | 0.0003 |
| **deeps** | 0.45 | -0.16 | 0.7 | 0.68 | 79 | 0.04 | 0.0063 | 0.0015 |
| **canyon** | 0.61 | 1.84 | 69.2 | 0.55 | 26 | 0.11 | 0.0371 | 0.0100 |
| **0\_mud\_33** | 0.54 | 1.44 | 27.5 | 0.64 | 67 | 0.05 | 0.0082 | 0.0018 |
| **33\_mud\_66** | 0.56 | 1.61 | 40.7 | 0.75 | 118 | 0.03 | 0.0030 | 0.0008 |
| **66\_mud\_100** | 0.56 | 1.8 | 63.1 | 0.66 | 436 | 0.02 | 0.0010 | 0.0003 |

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