

Appendix: Residual Plots

KBCG 19

January 2020

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[illegible]

1 Event Terms

1.1 Magnitude

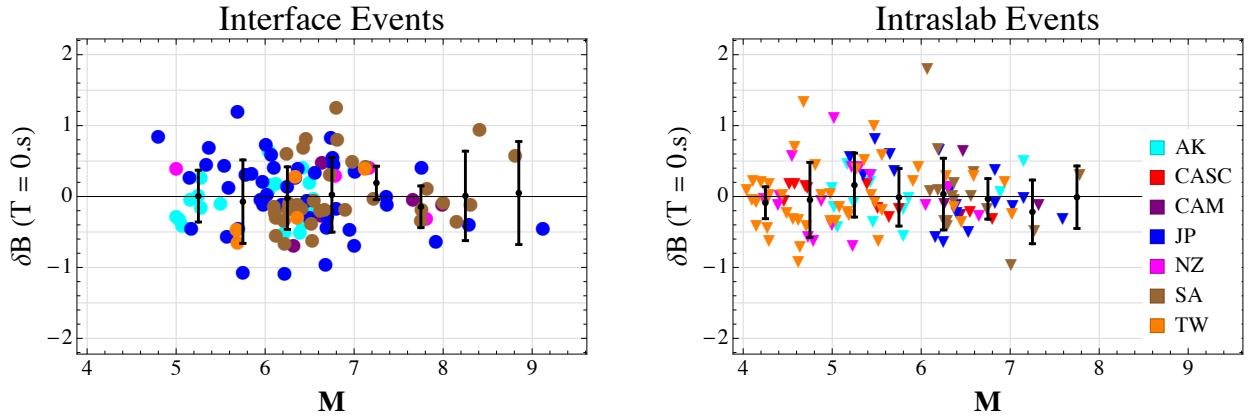


Figure 1: Plot of event terms versus magnitude M for PSA at $T = 0.0$ sec: (left) interface events; (right) intraslab events.

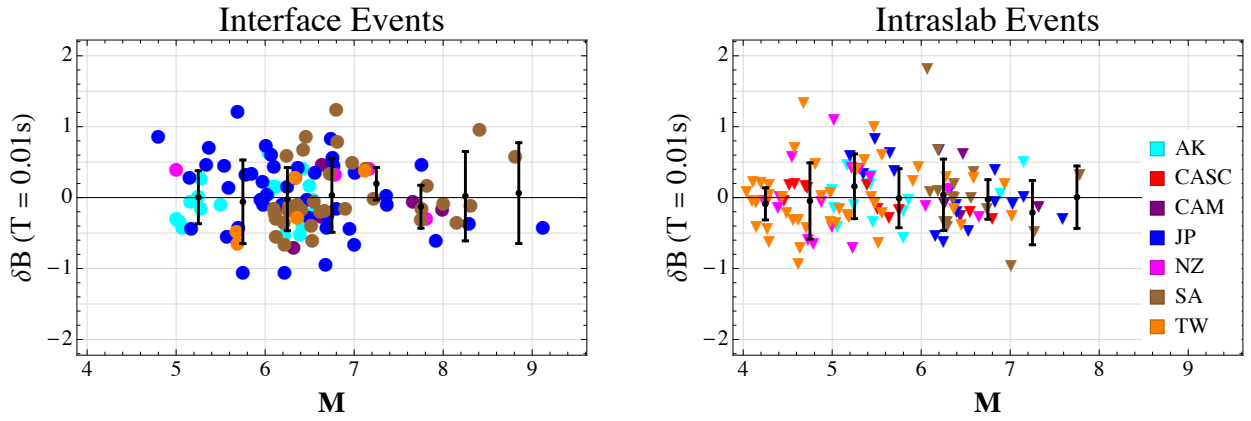


Figure 2: Plot of event terms versus magnitude M for PSA at $T = 0.01$ sec: (left) interface events; (right) intraslab events.

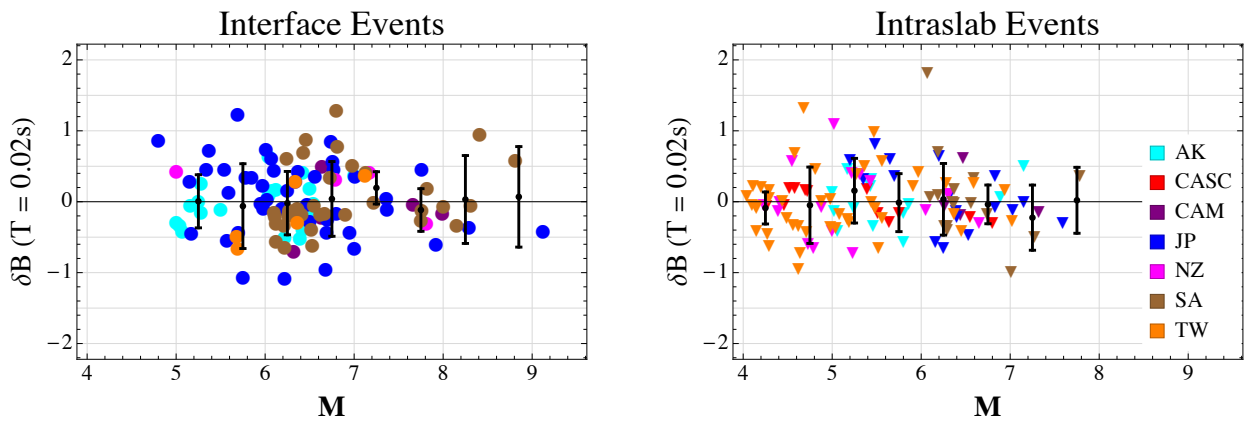


Figure 3: Plot of event terms versus magnitude M for PSA at $T = 0.02$ sec: (left) interface events; (right) intraslab events.

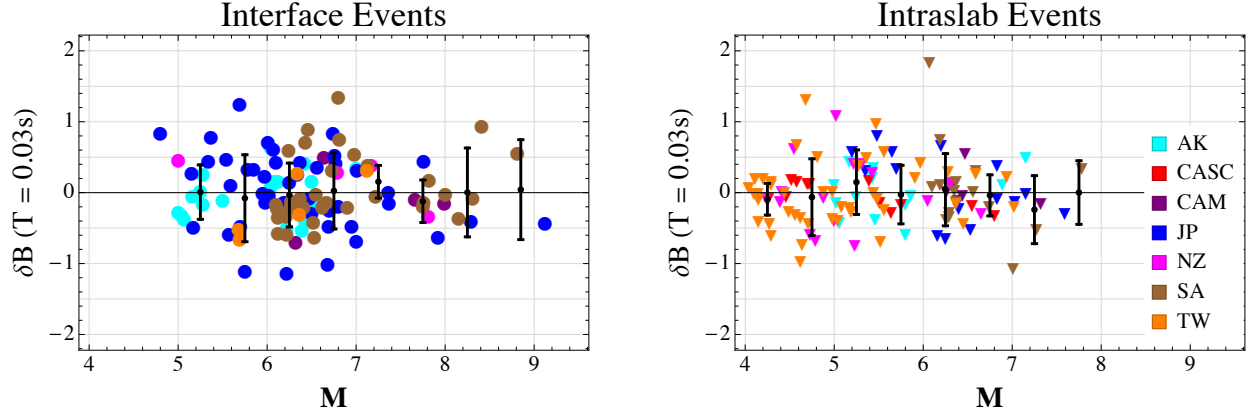


Figure 4: Plot of event terms versus magnitude M for PSA at $T = 0.03$ sec: (left) interface events; (right) intralab events.

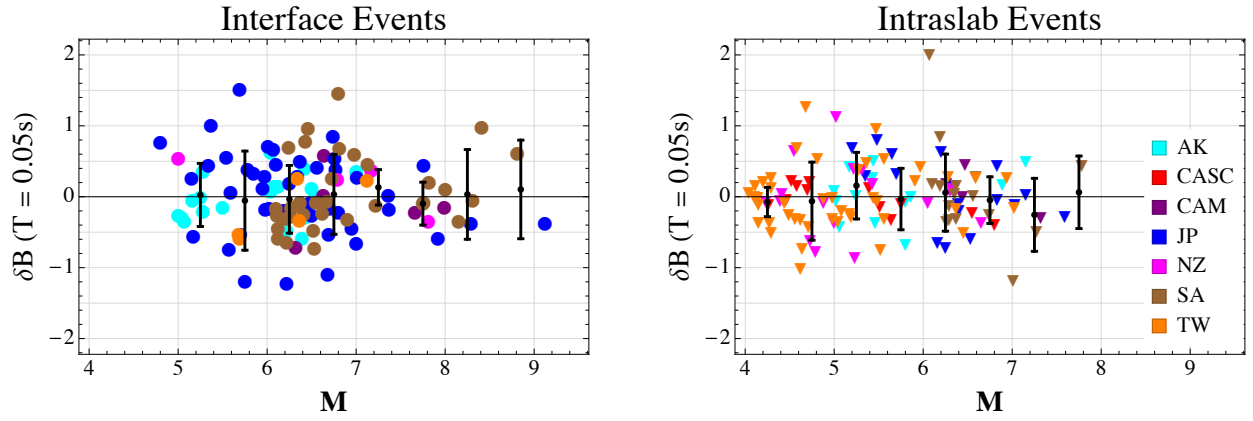


Figure 5: Plot of event terms versus magnitude M for PSA at $T = 0.05$ sec: (left) interface events; (right) intralab events.

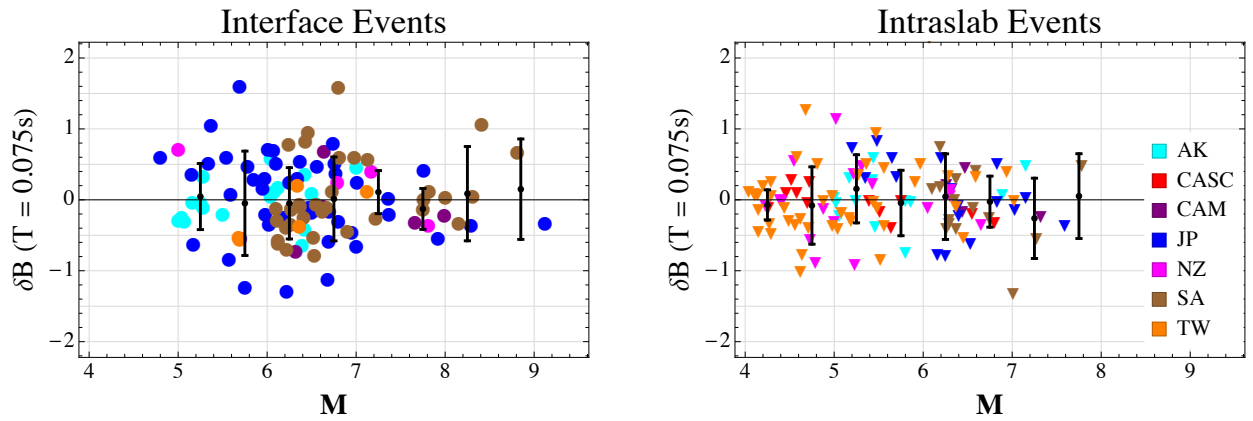


Figure 6: Plot of event terms versus magnitude M for PSA at $T = 0.075$ sec: (left) interface events; (right) intralab events.

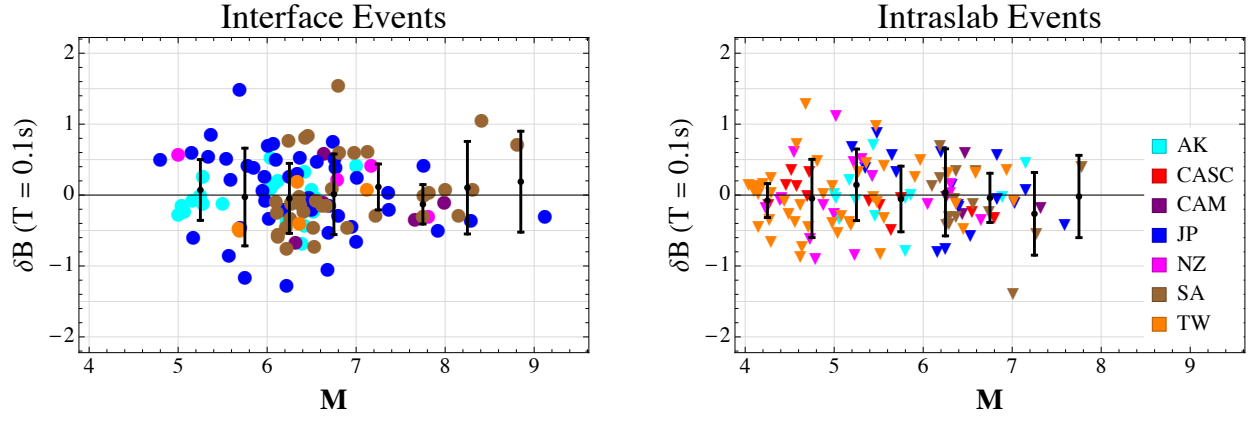


Figure 7: Plot of event terms versus magnitude M for PSA at $T = 0.1$ sec: (left) interface events; (right) intraslab events.

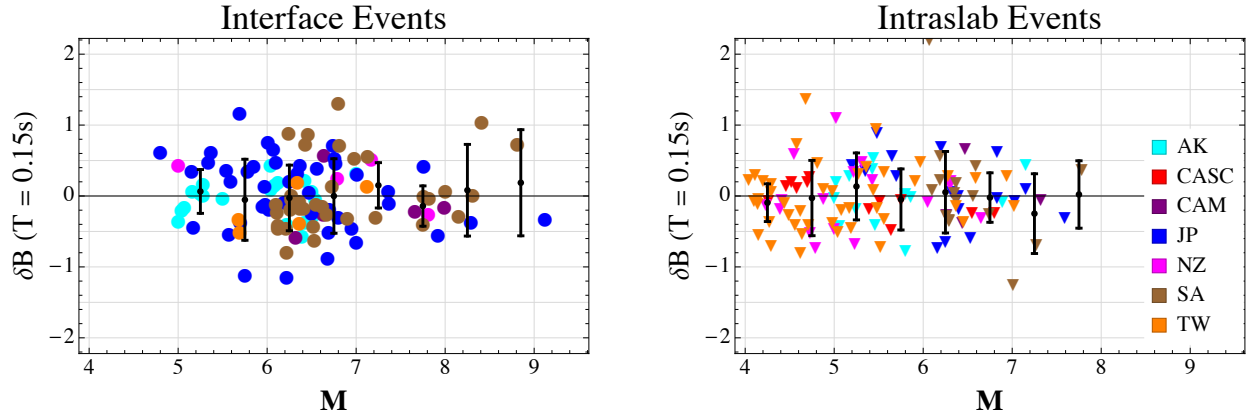


Figure 8: Plot of event terms versus magnitude M for PSA at $T = 0.15$ sec: (left) interface events; (right) intraslab events.

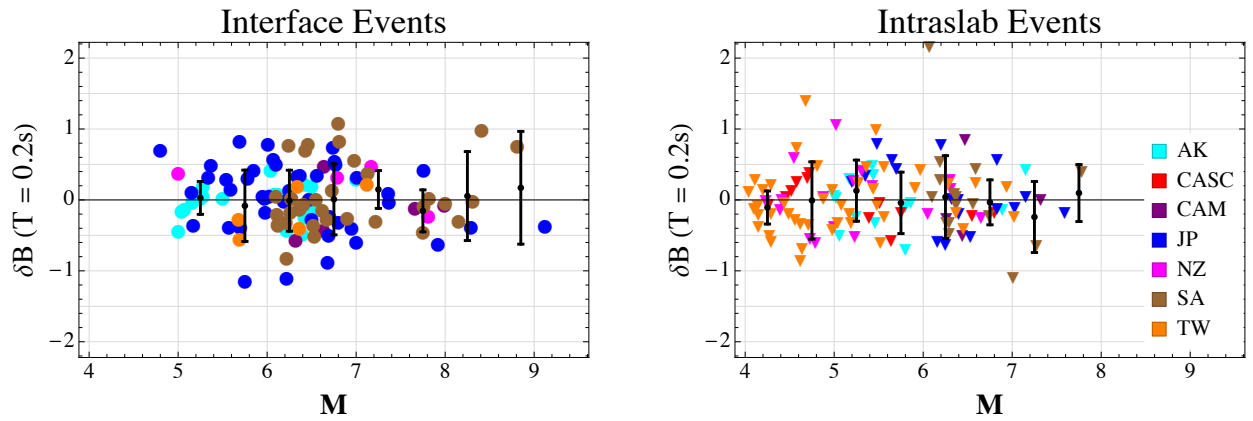


Figure 9: Plot of event terms versus magnitude M for PSA at $T = 0.2$ sec: (left) interface events; (right) intraslab events.

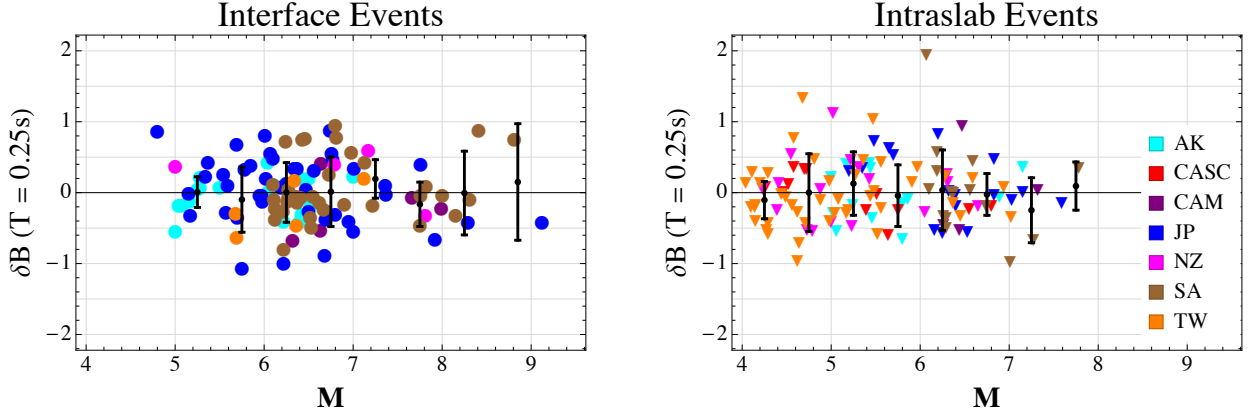


Figure 10: Plot of event terms versus magnitude M for PSA at $T = 0.25$ sec: (left) interface events; (right) intralab events.

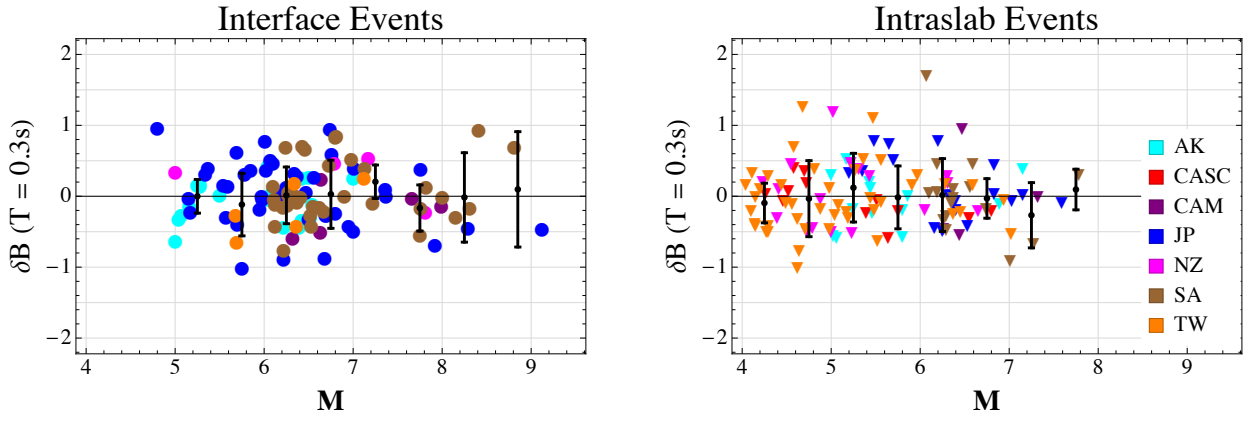


Figure 11: Plot of event terms versus magnitude M for PSA at $T = 0.3$ sec: (left) interface events; (right) intralab events.

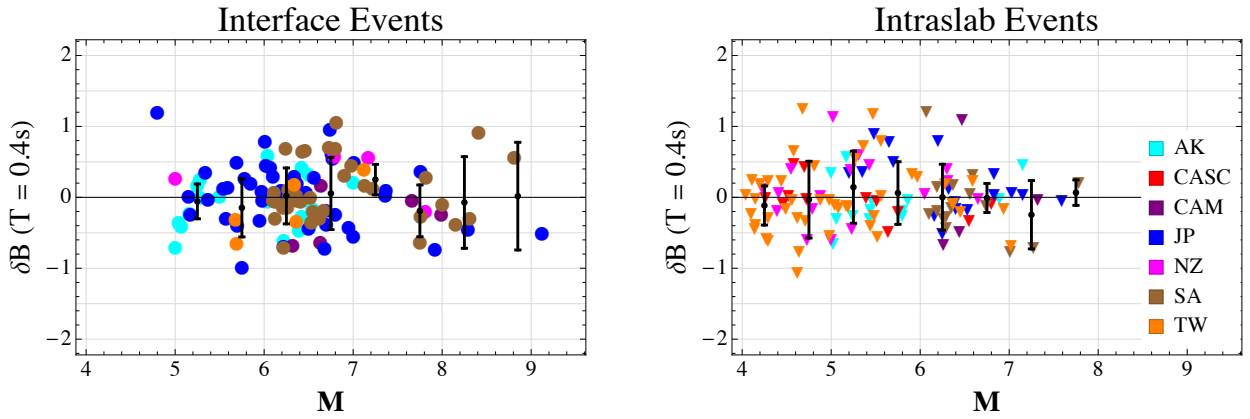


Figure 12: Plot of event terms versus magnitude M for PSA at $T = 0.4$ sec: (left) interface events; (right) intralab events.

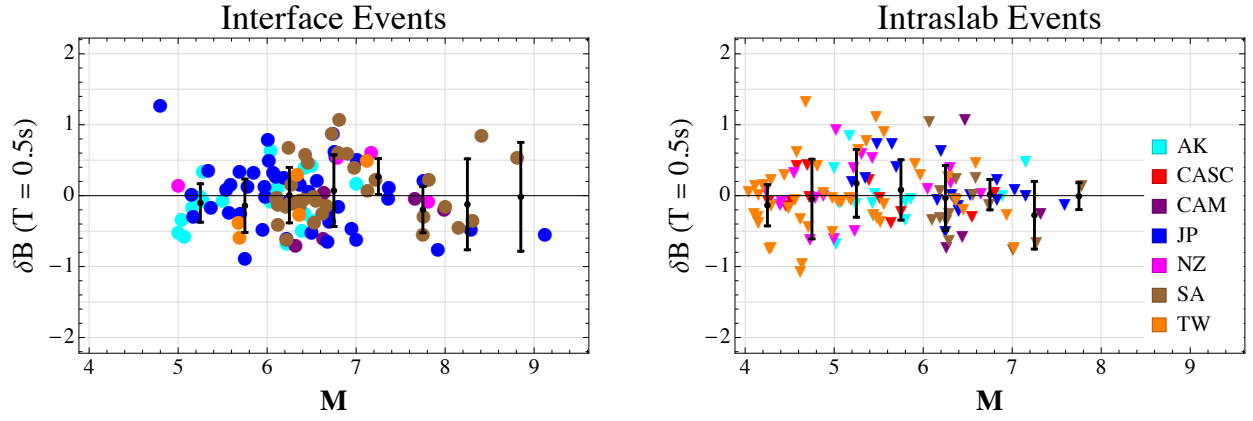


Figure 13: Plot of event terms versus magnitude M for PSA at $T = 0.5$ sec: (left) interface events; (right) intralab events.

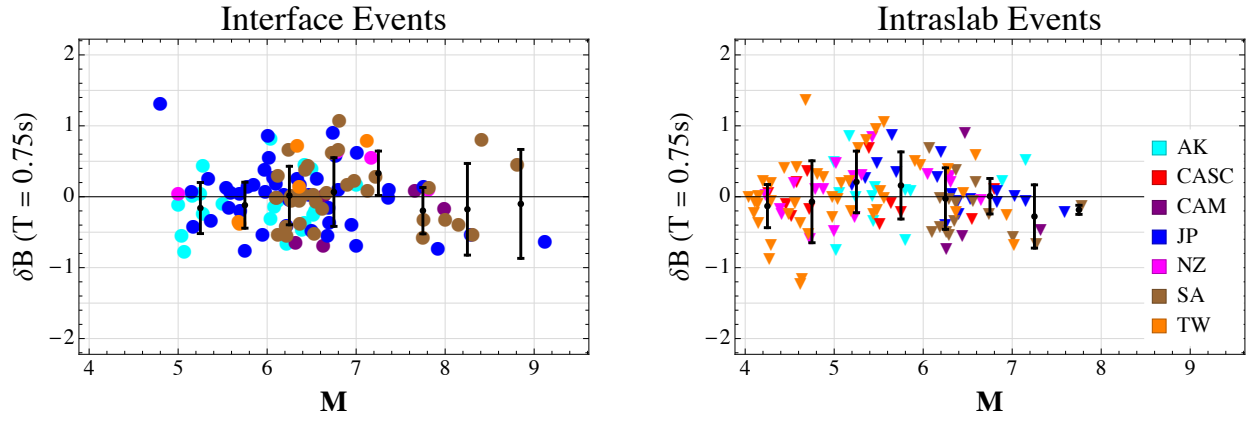


Figure 14: Plot of event terms versus magnitude M for PSA at $T = 0.75$ sec: (left) interface events; (right) intralab events.

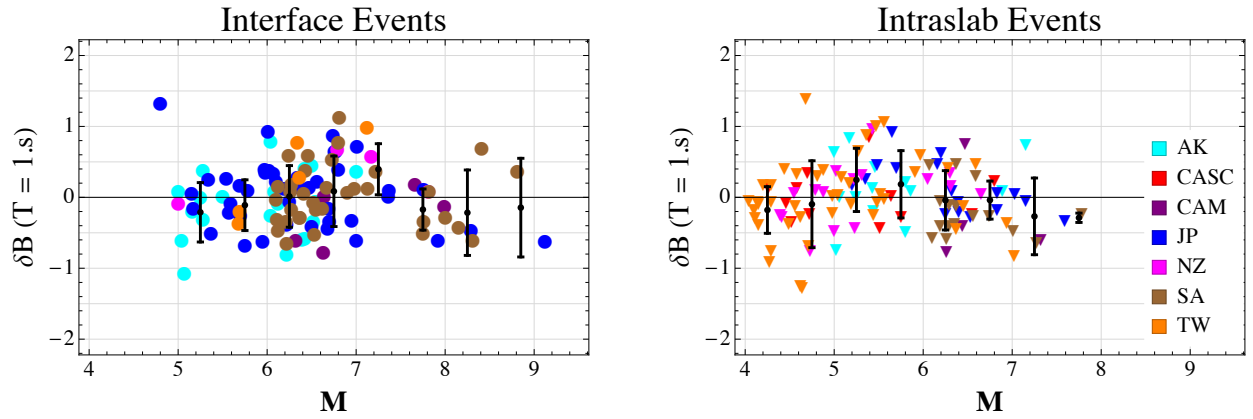


Figure 15: Plot of event terms versus magnitude M for PSA at $T = 1$. sec: (left) interface events; (right) intralab events.

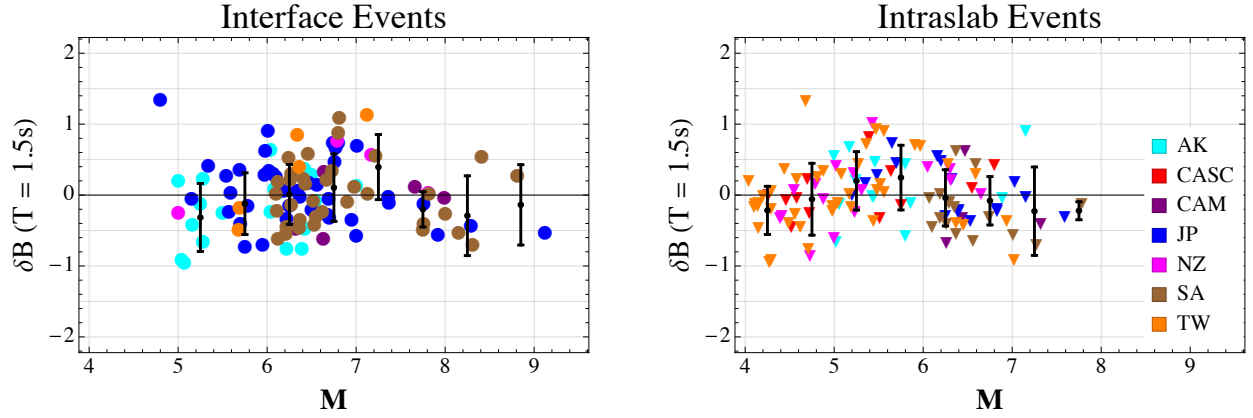


Figure 16: Plot of event terms versus magnitude M for PSA at $T = 1.5$ sec: (left) interface events; (right) intralab events.

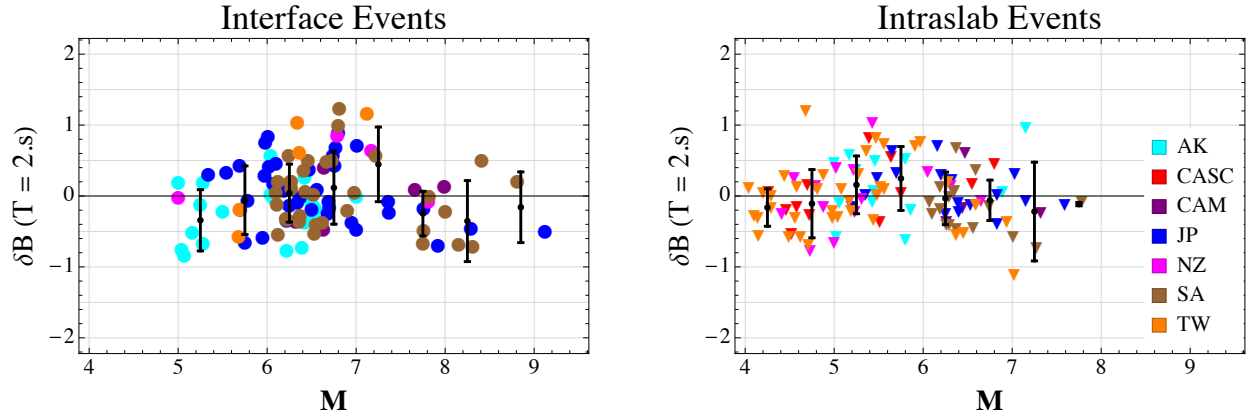


Figure 17: Plot of event terms versus magnitude M for PSA at $T = 2.$ sec: (left) interface events; (right) intralab events.

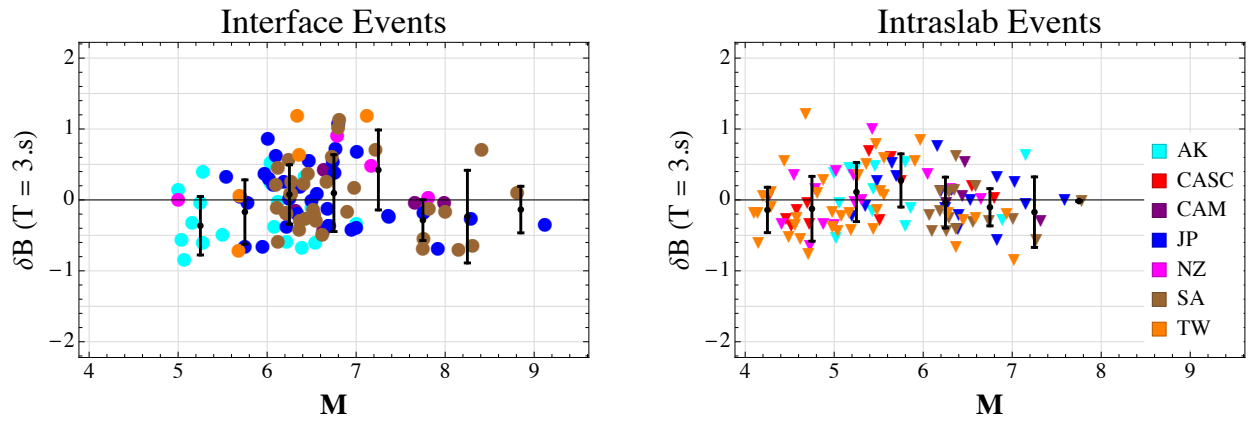


Figure 18: Plot of event terms versus magnitude M for PSA at $T = 3.$ sec: (left) interface events; (right) intralab events.

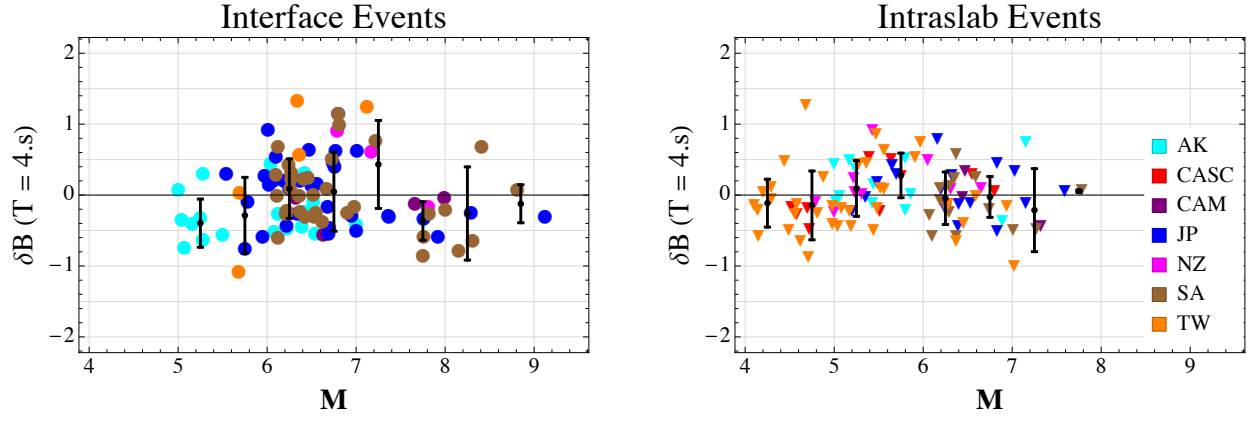


Figure 19: Plot of event terms versus magnitude M for PSA at $T = 4$. sec: (left) interface events; (right) intralab events.

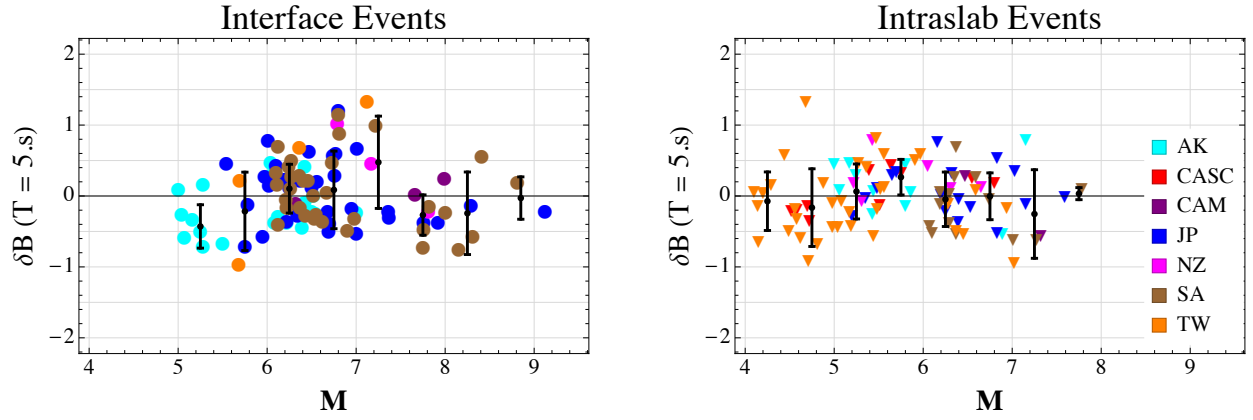


Figure 20: Plot of event terms versus magnitude M for PSA at $T = 5$. sec: (left) interface events; (right) intralab events.

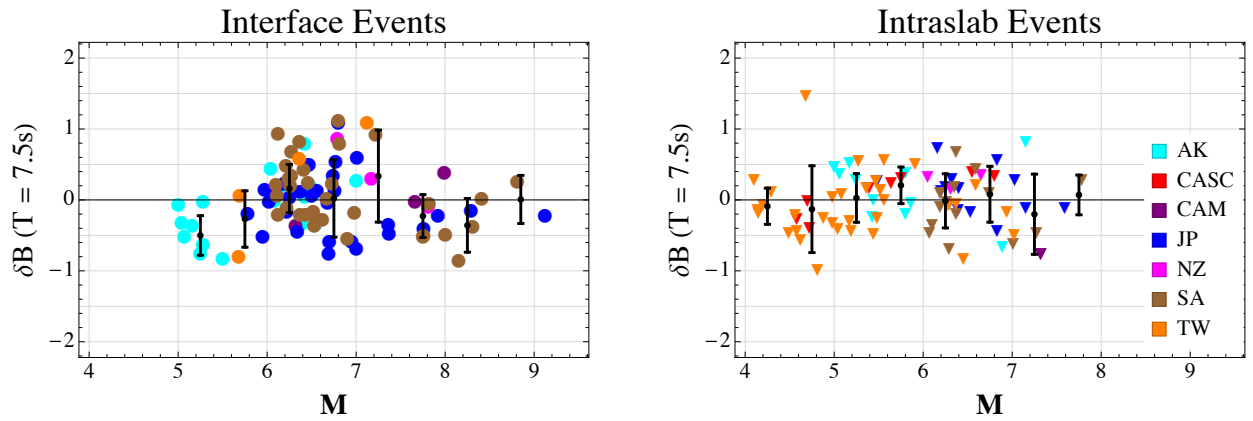


Figure 21: Plot of event terms versus magnitude M for PSA at $T = 7.5$ sec: (left) interface events; (right) intralab events.

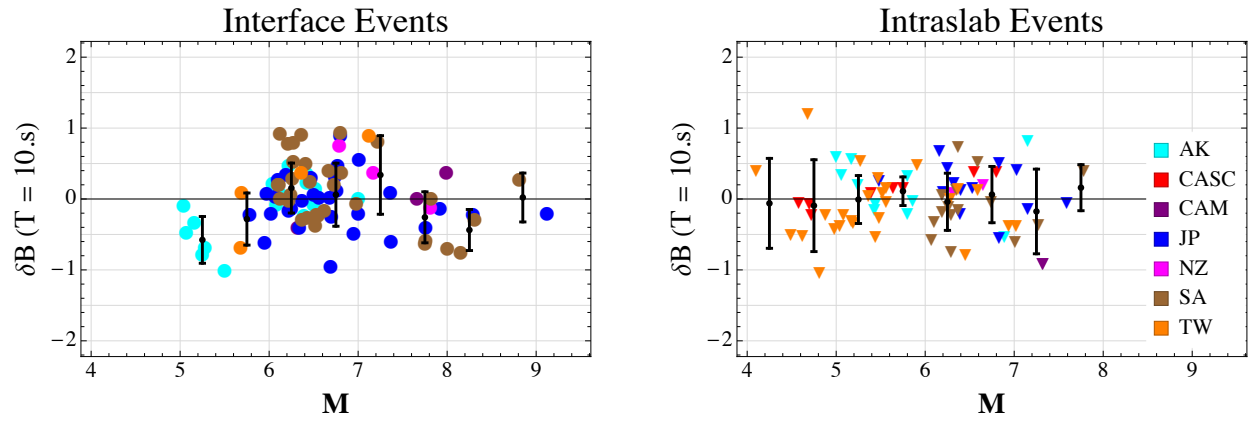


Figure 22: Plot of event terms versus magnitude M for PSA at $T = 10$. sec: (left) interface events; (right) intraslab events.

1.2 Depth-To-Top-Of-Rupture

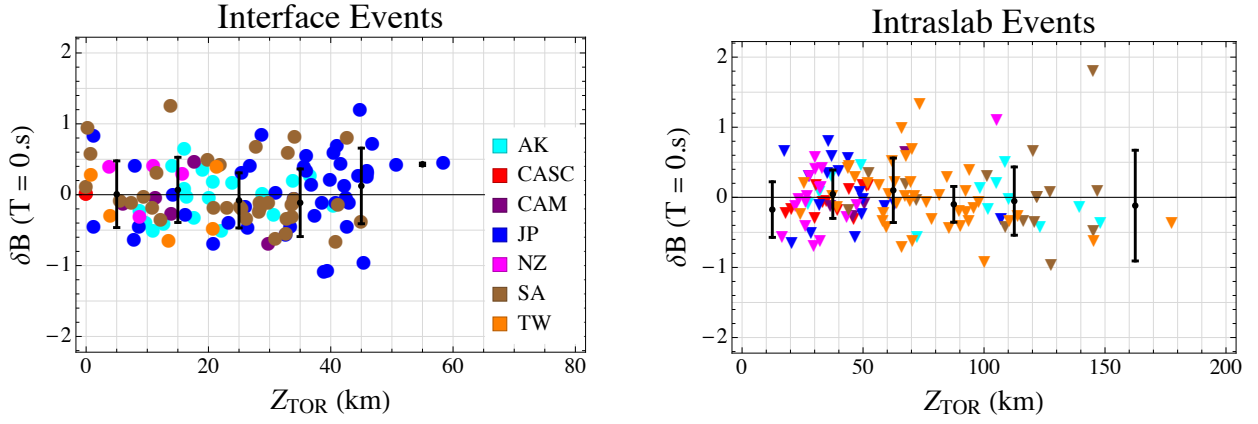


Figure 23: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.0$ sec: (left) interface events; (right) intraslab events.

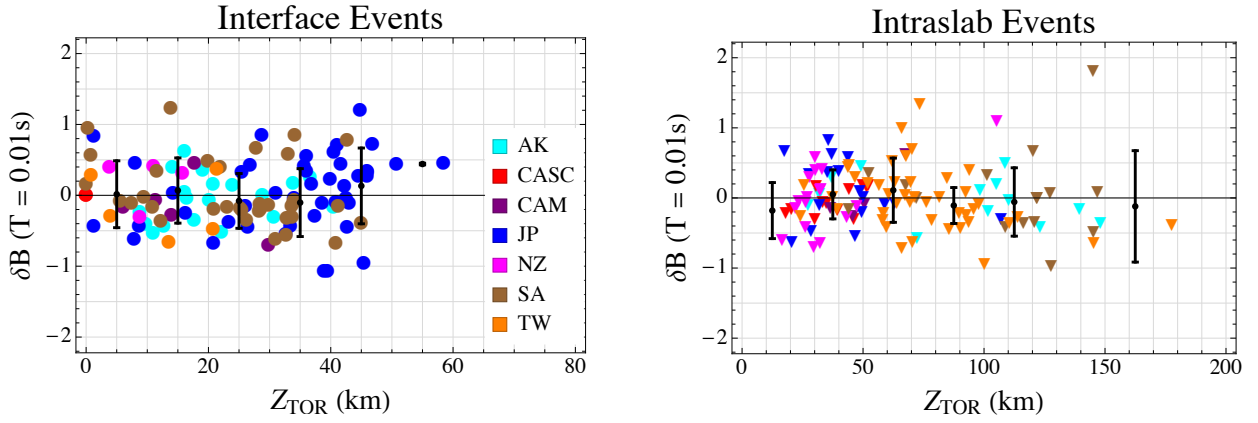


Figure 24: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.01$ sec: (left) interface events; (right) intraslab events.

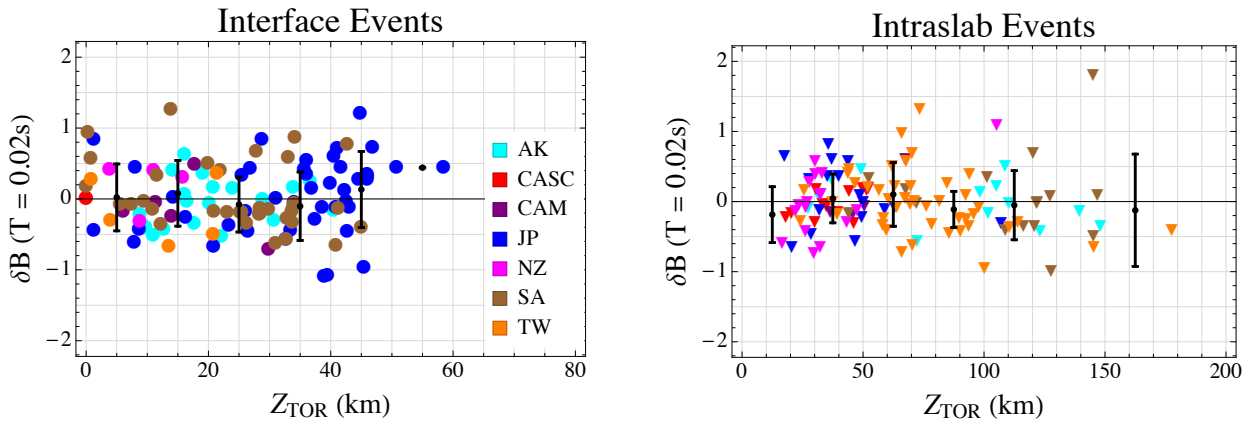


Figure 25: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.02$ sec: (left) interface events; (right) intraslab events.

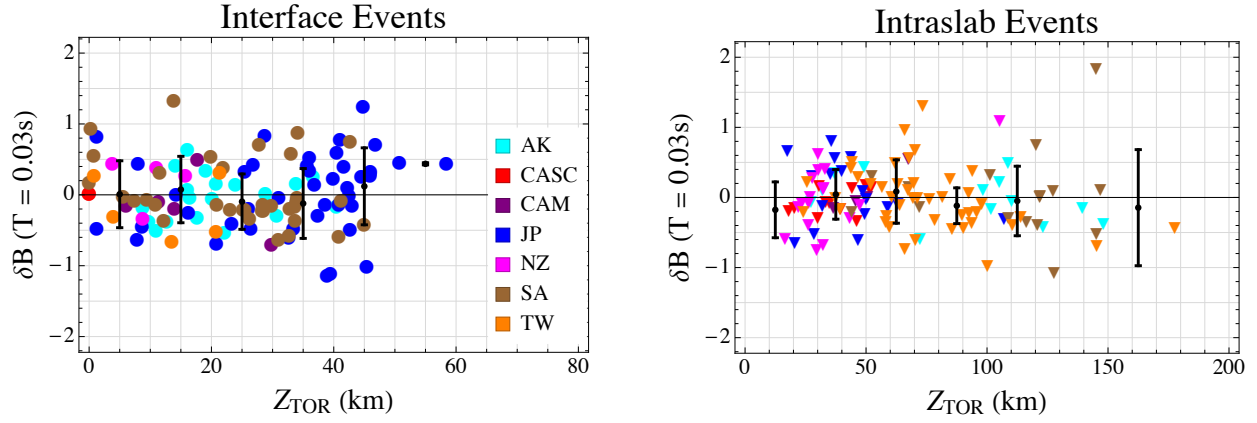


Figure 26: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.03$ sec: (left) interface events; (right) intraslab events.

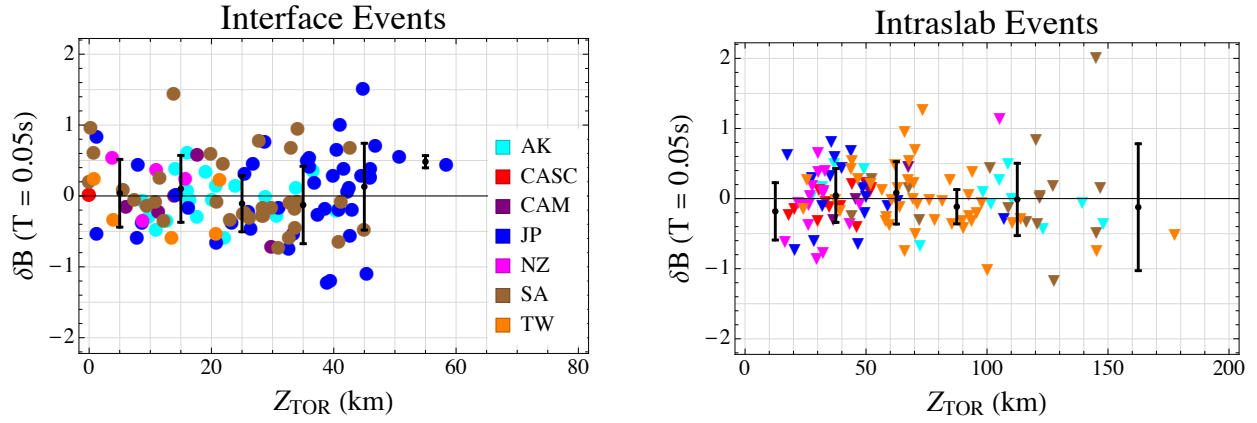


Figure 27: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.05$ sec: (left) interface events; (right) intraslab events.

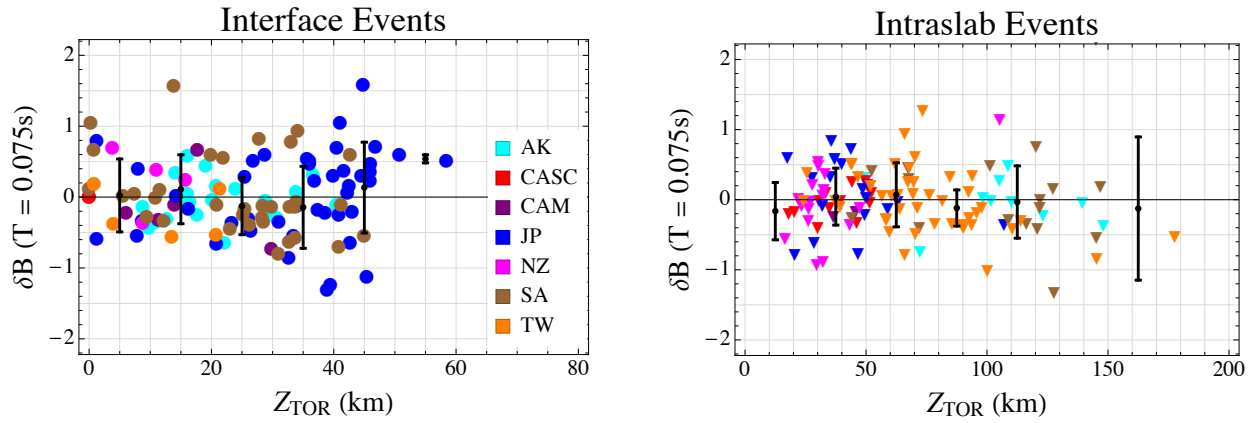


Figure 28: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.075$ sec: (left) interface events; (right) intraslab events.

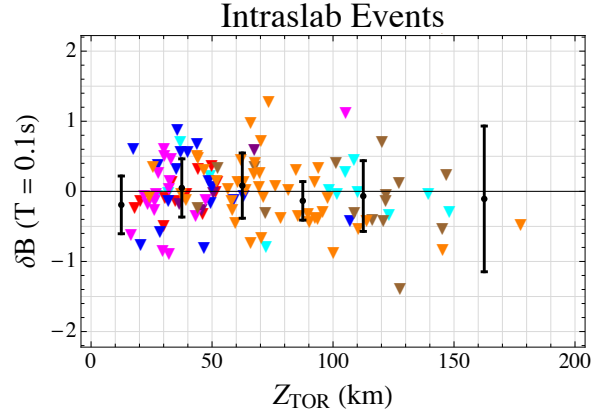
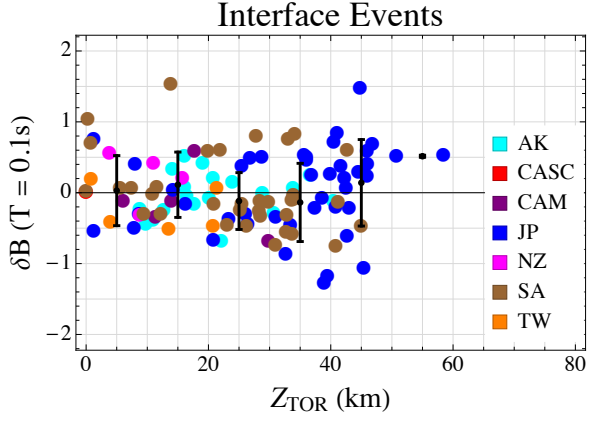


Figure 29: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.1$ sec: (left) interface events; (right) intraslab events.

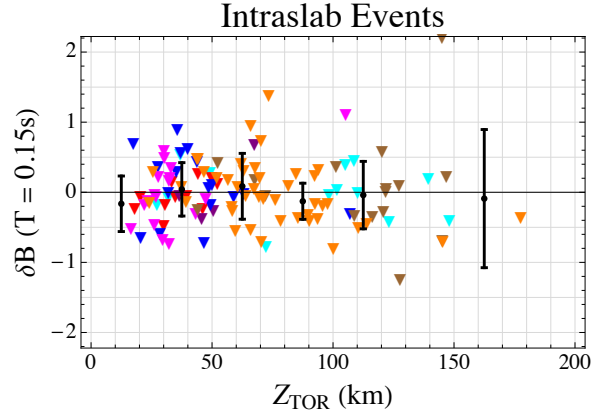
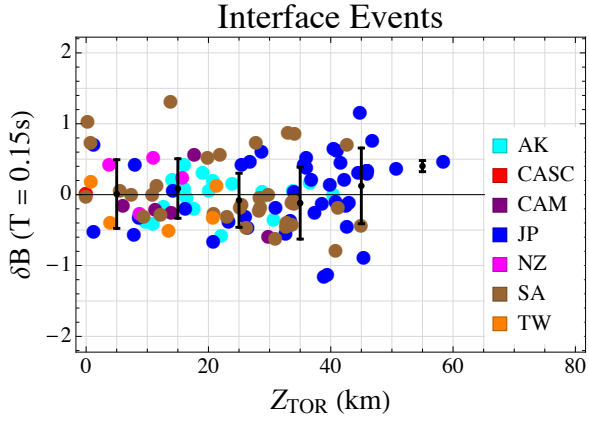


Figure 30: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.15$ sec: (left) interface events; (right) intraslab events.

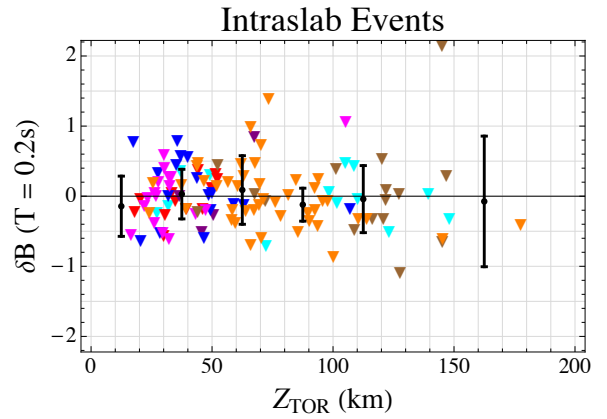
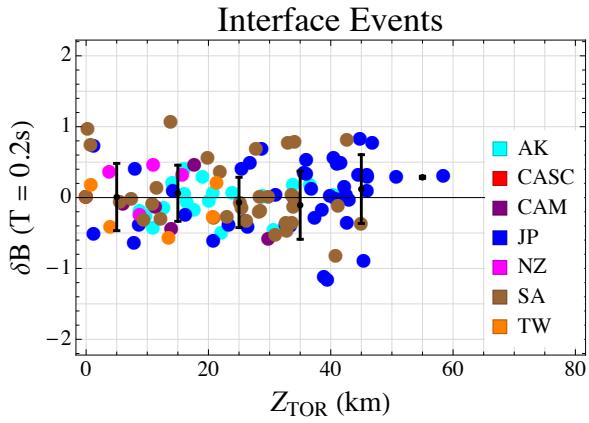


Figure 31: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.2$ sec: (left) interface events; (right) intraslab events.

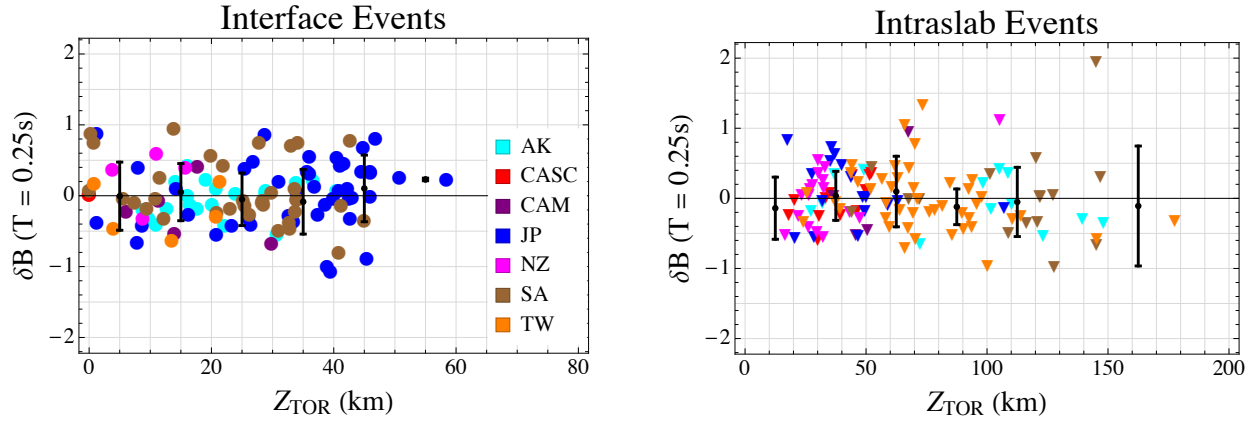


Figure 32: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.25$ sec: (left) interface events; (right) intraslab events.

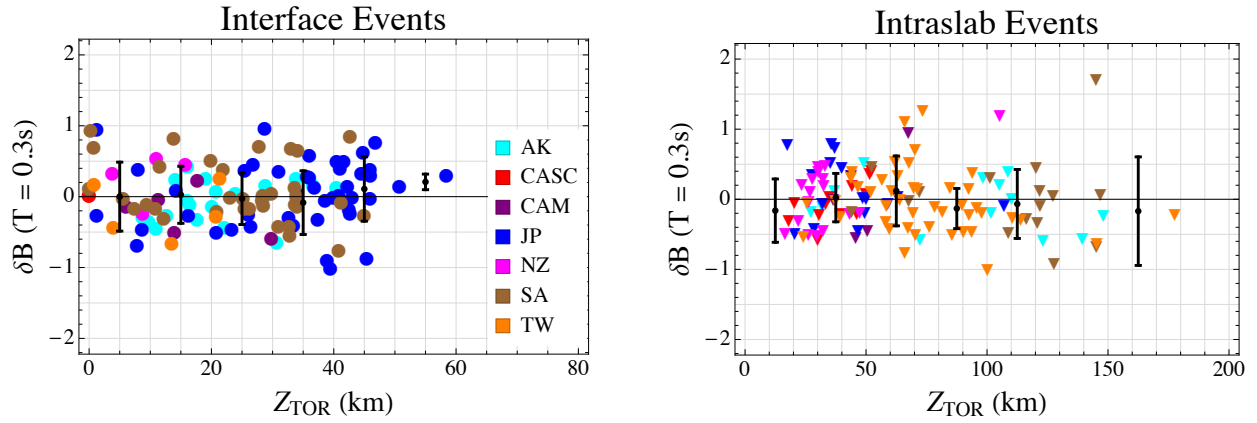


Figure 33: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.3$ sec: (left) interface events; (right) intraslab events.

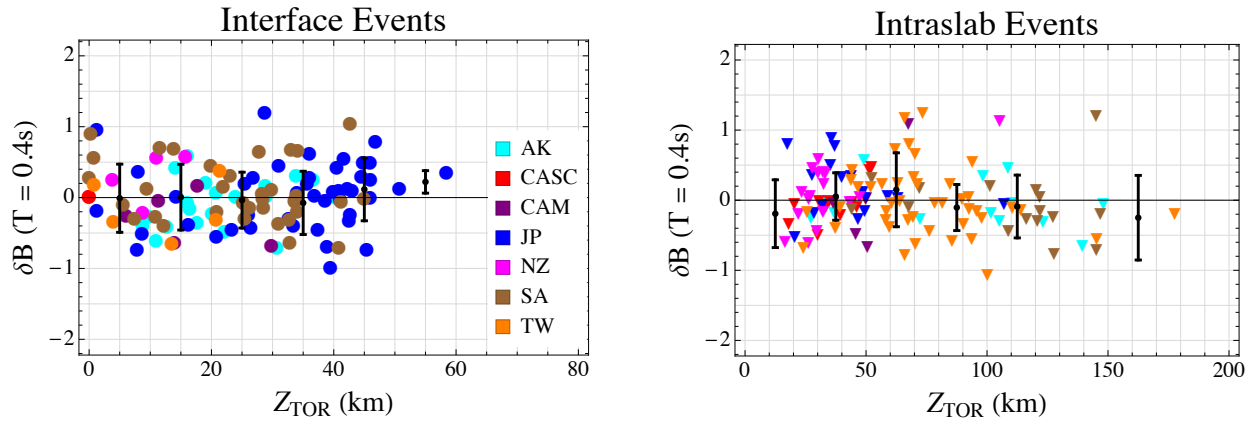


Figure 34: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.4$ sec: (left) interface events; (right) intraslab events.

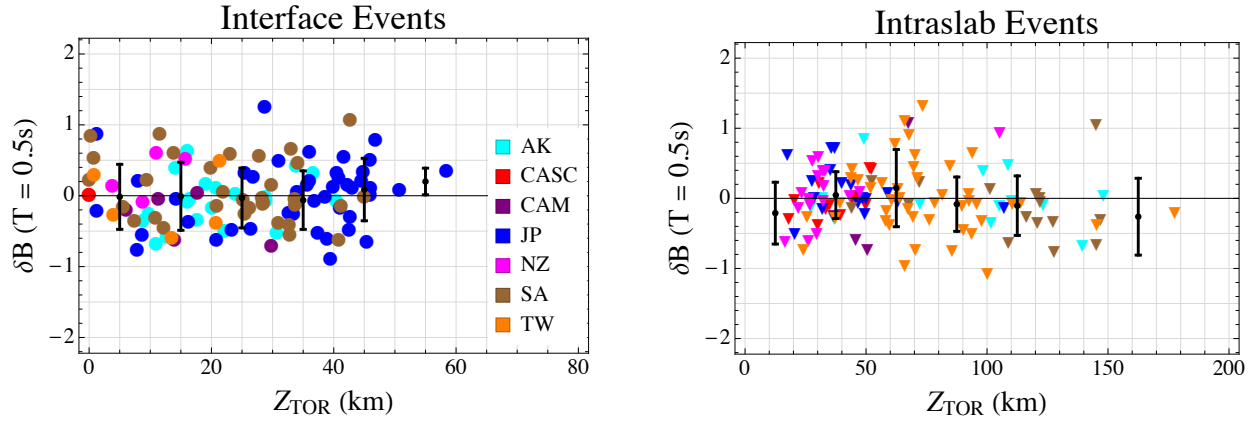


Figure 35: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.5$ sec: (left) interface events; (right) intraslab events.

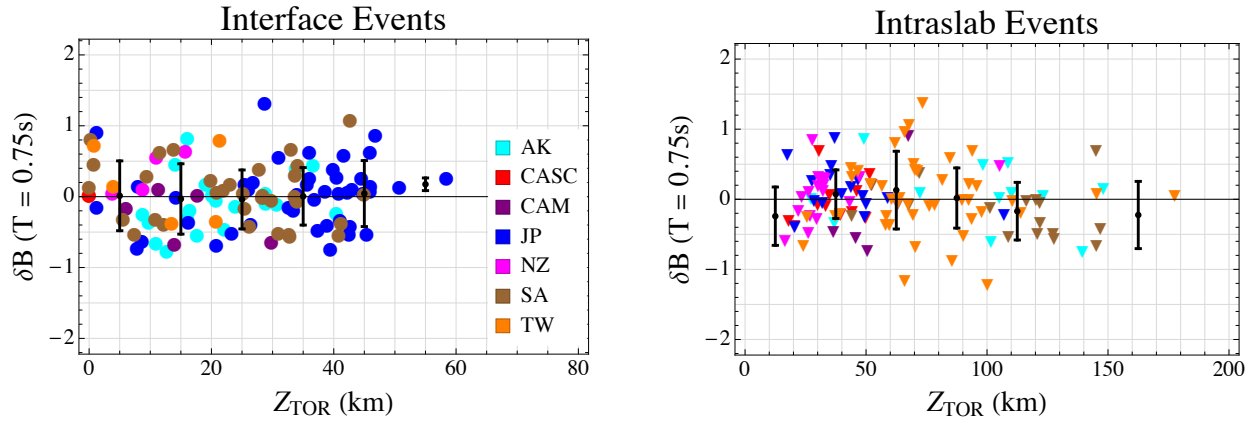


Figure 36: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 0.75$ sec: (left) interface events; (right) intraslab events.

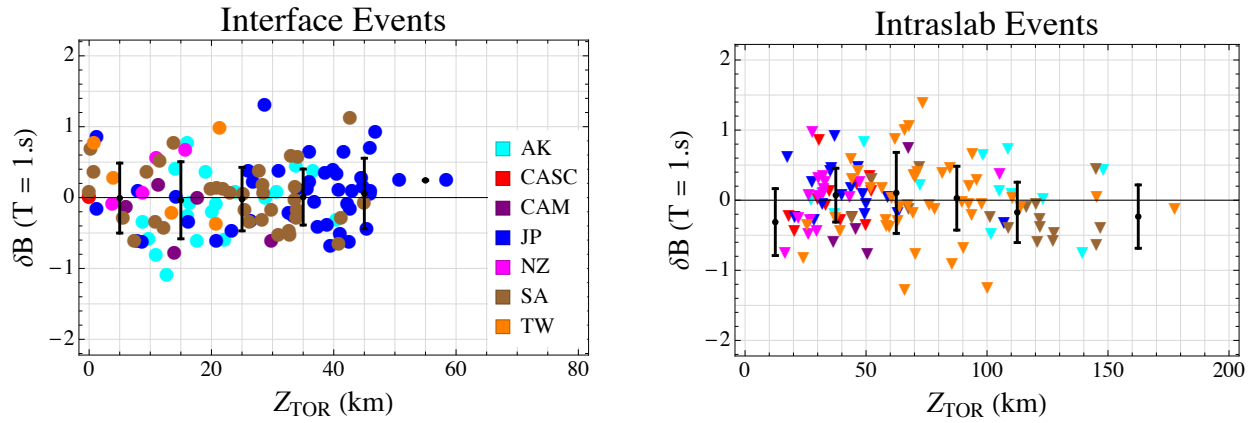


Figure 37: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 1.$ sec: (left) interface events; (right) intraslab events.

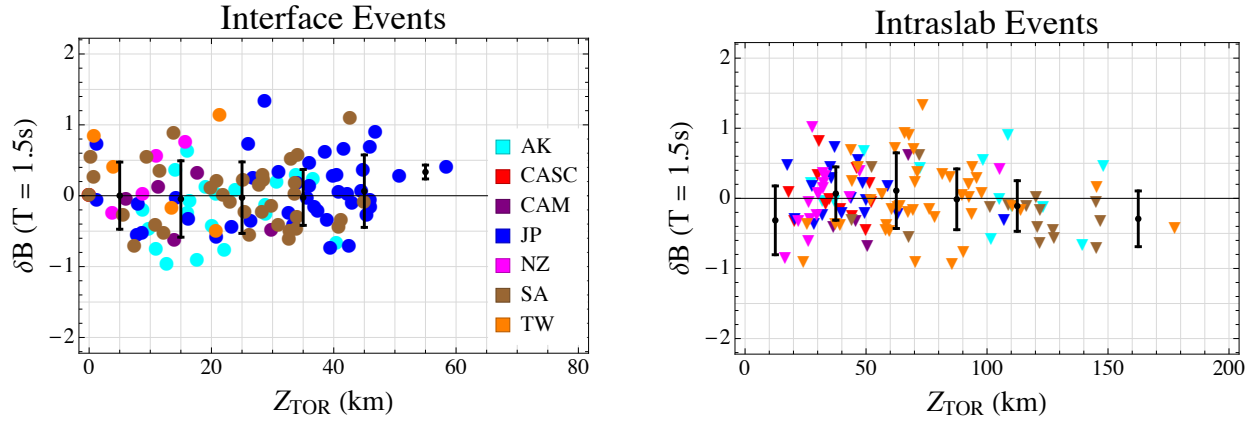


Figure 38: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 1.5$ sec: (left) interface events; (right) intraslab events.

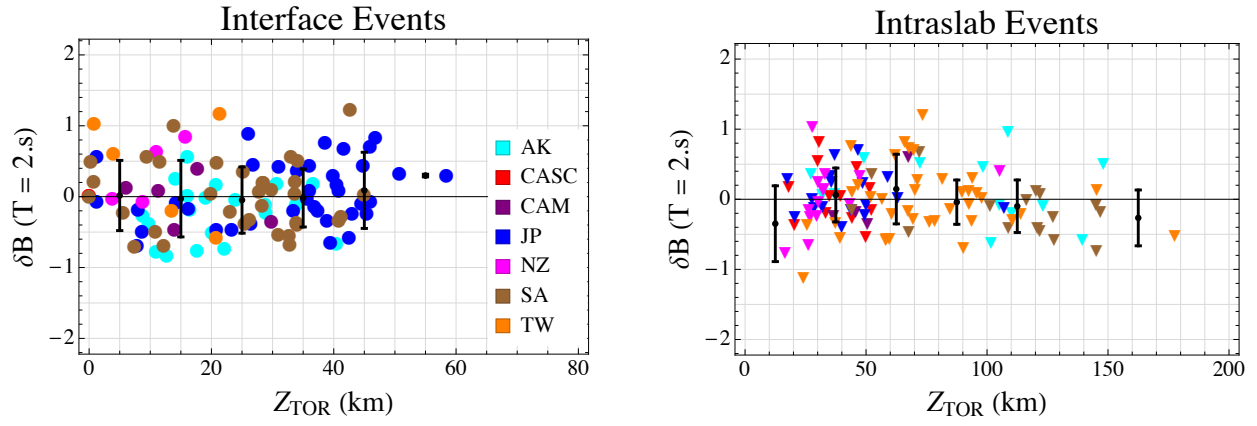


Figure 39: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 2$. sec: (left) interface events; (right) intraslab events.

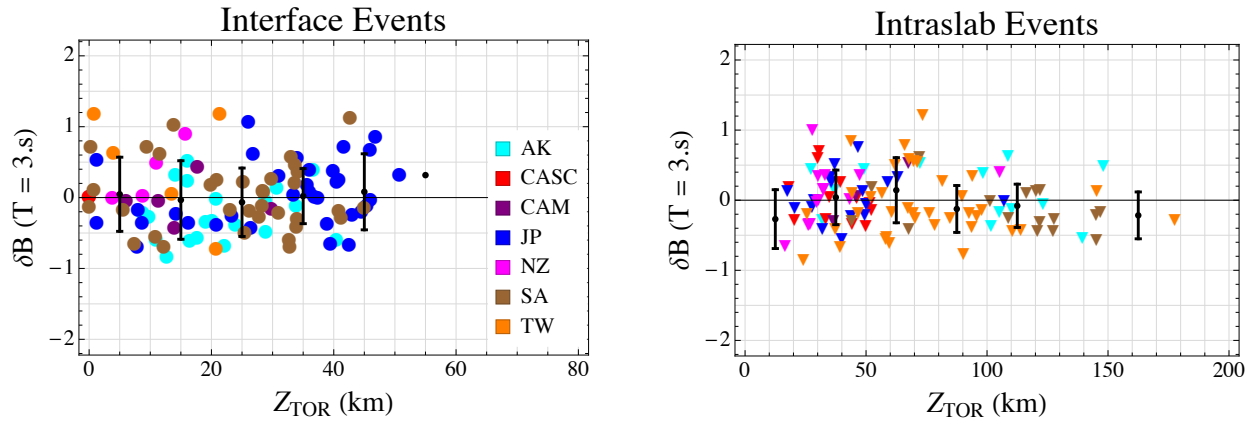


Figure 40: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 3$. sec: (left) interface events; (right) intraslab events.

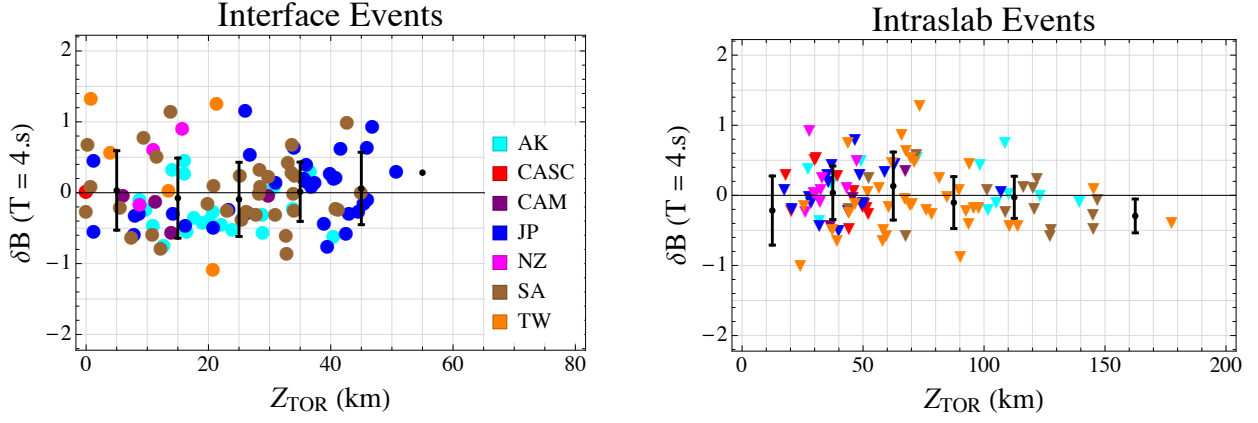


Figure 41: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 4$. sec: (left) interface events; (right) intraslab events.

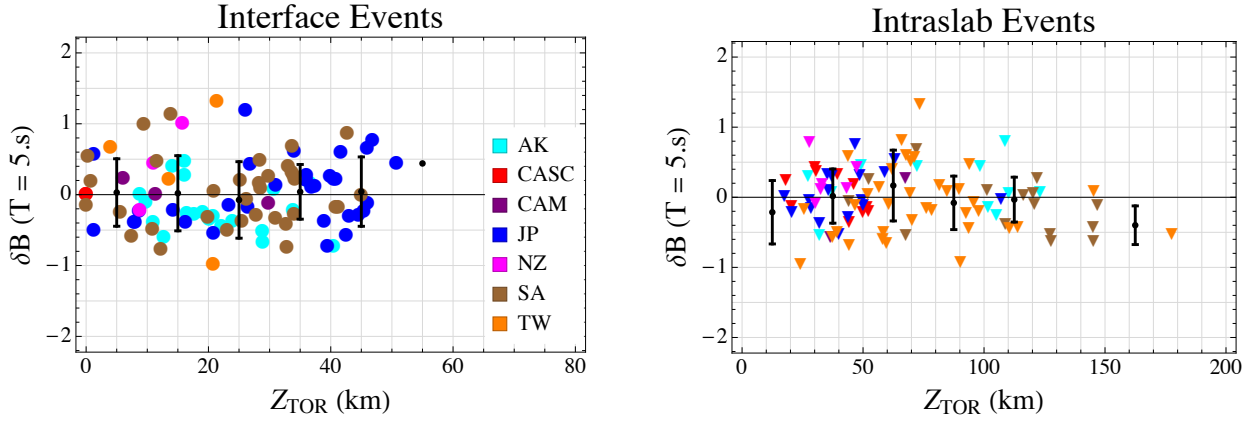


Figure 42: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 5$. sec: (left) interface events; (right) intraslab events.

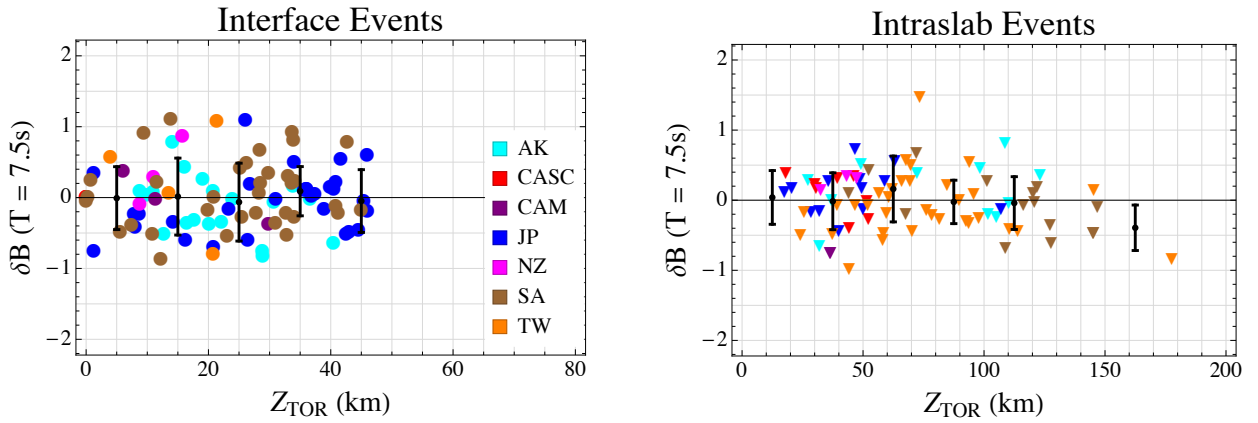


Figure 43: Plot of event terms versus depth to op of rupture Z_{TOR} for PSA at $T = 7.5$ sec: (left) interface events; (right) intraslab events.

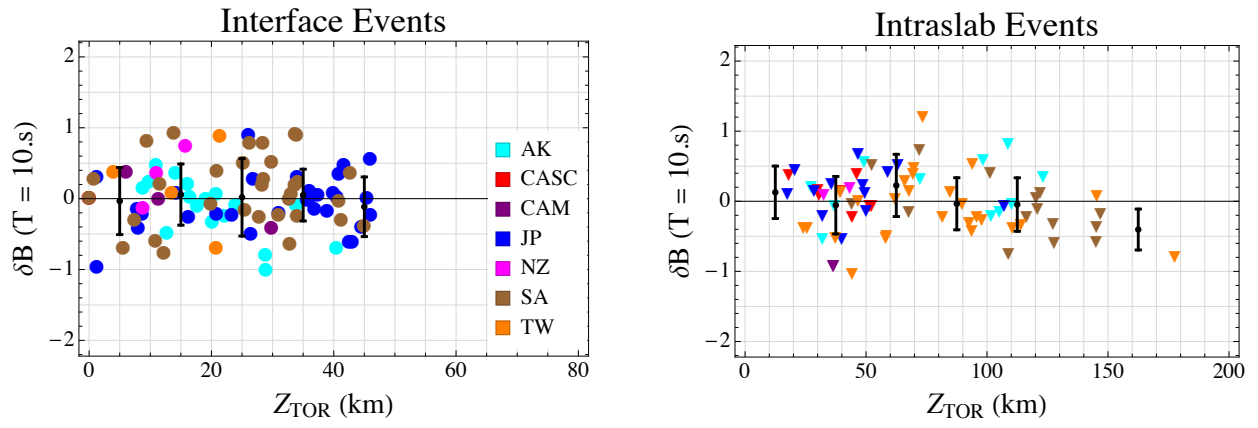


Figure 44: Plot of event terms versus depth to top of rupture Z_{TOR} for PSA at $T = 10$. sec: (left) interface events; (right) intraslab events.