

Correlation Heatmaps of Earthquake Event vs. Solar Activity Variables

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Variables used:

- magAFV - Magnitude of average field vector
- sB - sigma B (magnetic field)
- PT - Proton temperature
- PD - Proton density
- PFS - Plasma (flow) speed
- FP - Flow pressure
- EF - Electric field
- Kp - Planetary geomagnetic activity index
- DST - DST Index

Earthquake Magnitude vs. Solar Activity Variables

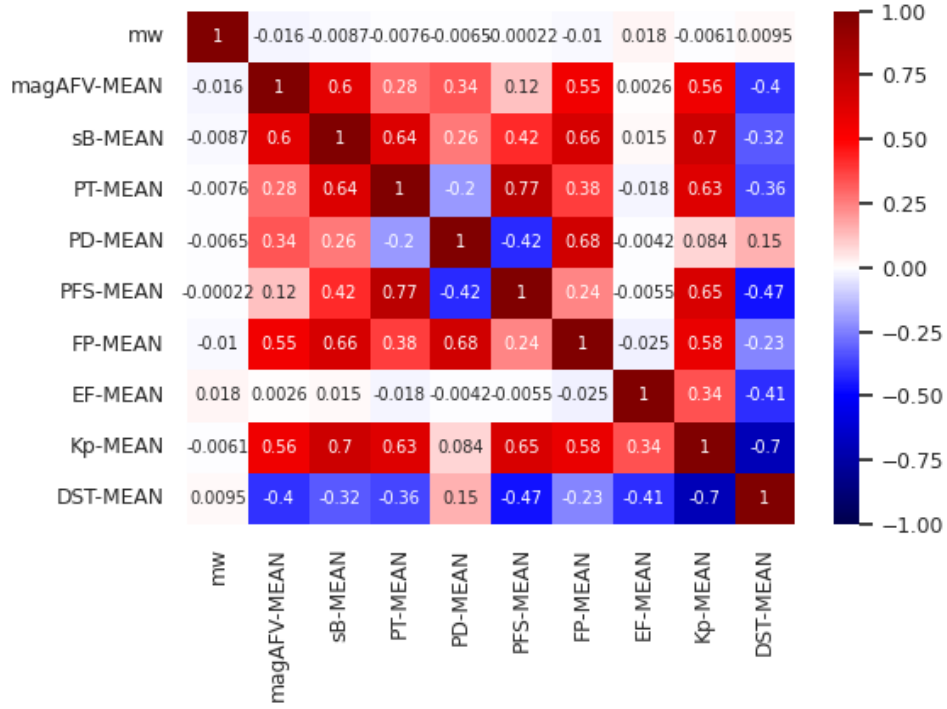


Figure 1: Earthquake Magnitude vs. SW Mean Values

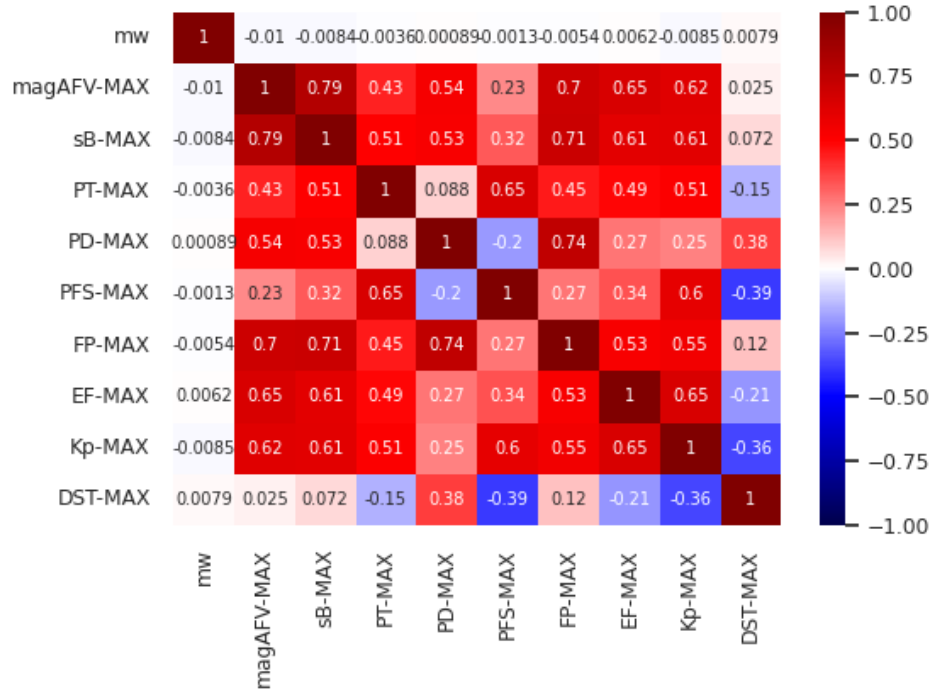


Figure 2: Earthquake Magnitude vs. SW Max Values

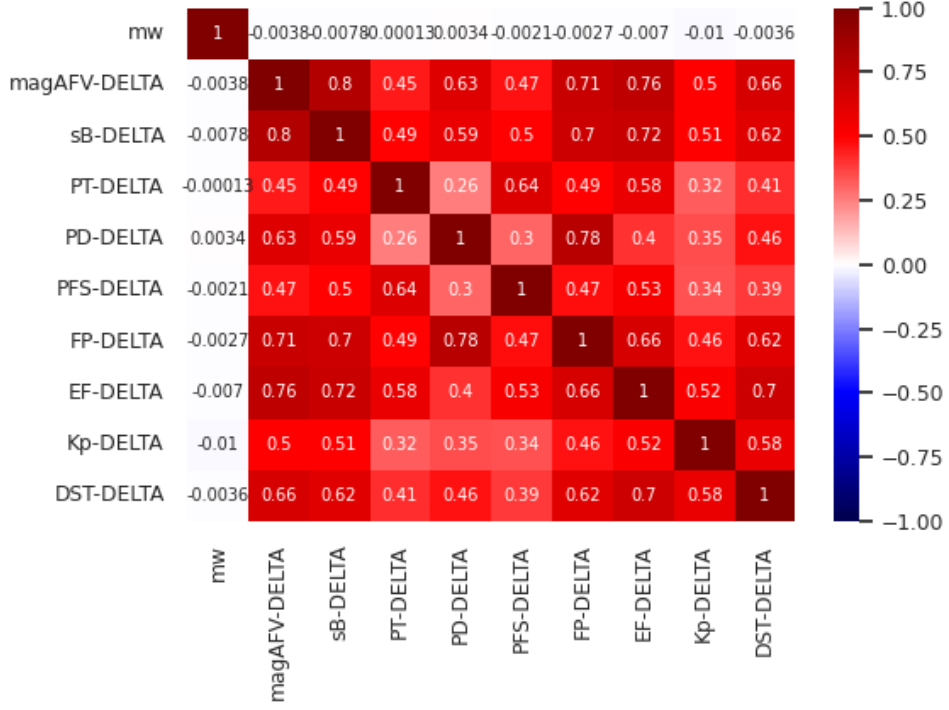


Figure 3: Earthquake Magnitude vs. SW Change in Values

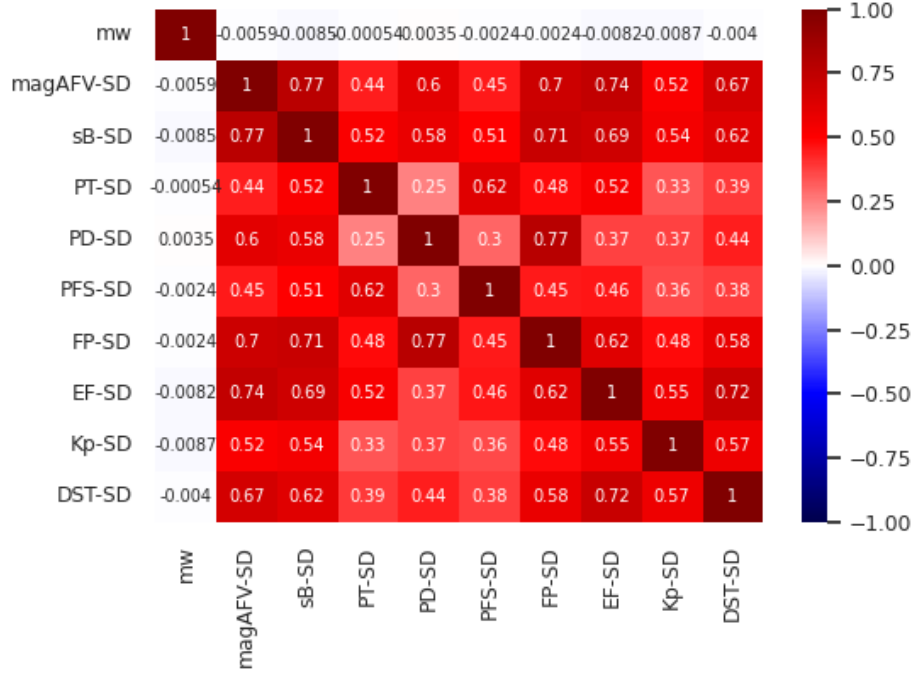


Figure 4: Earthquake Magnitude vs. SW Value Standard Distributions

Earthquake Depth vs. Solar Activity Variables

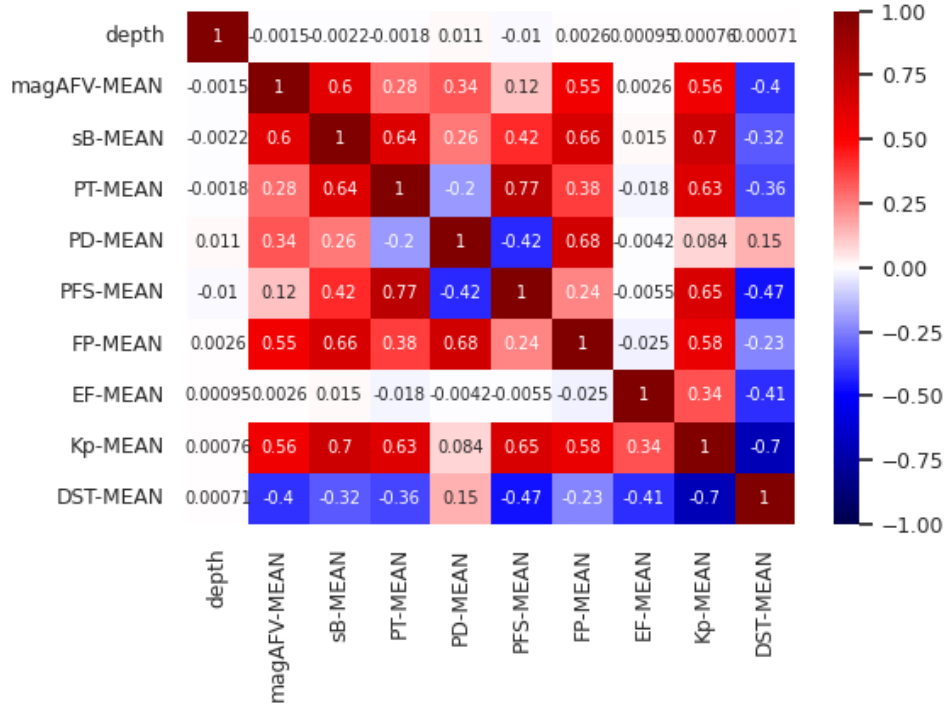


Figure 5: Earthquake Depth vs. SW Mean Values

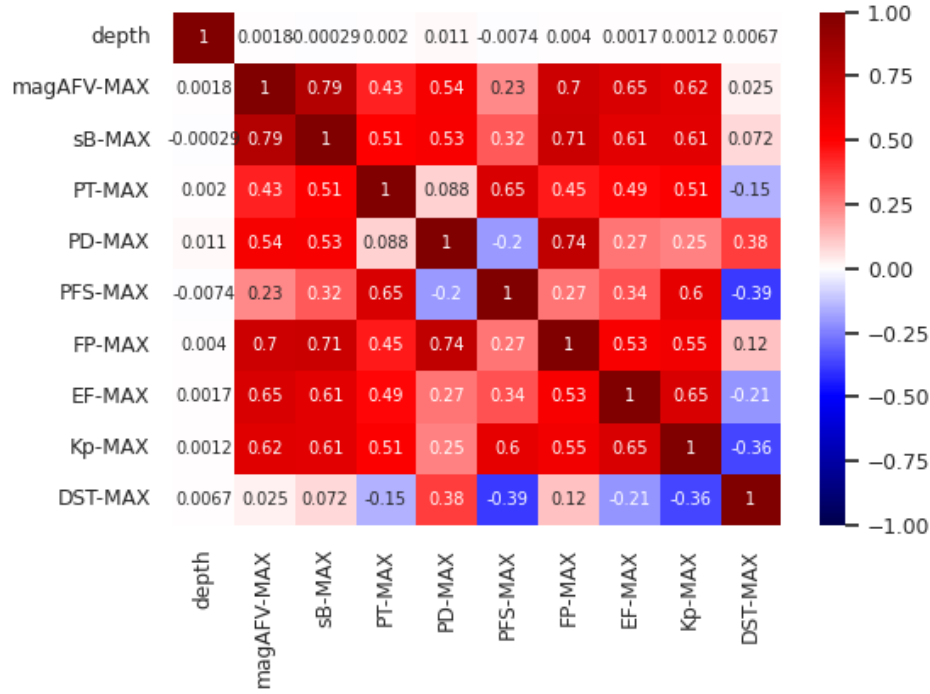


Figure 6: Earthquake Depth vs. SW Max Values

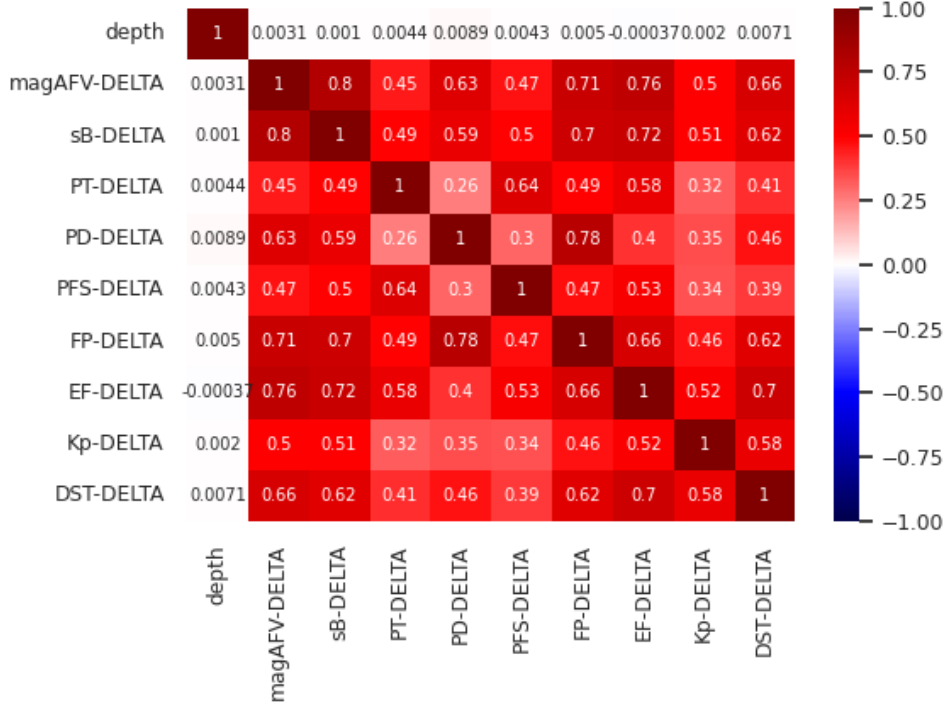


Figure 7: Earthquake Depth vs. SW Change in Values

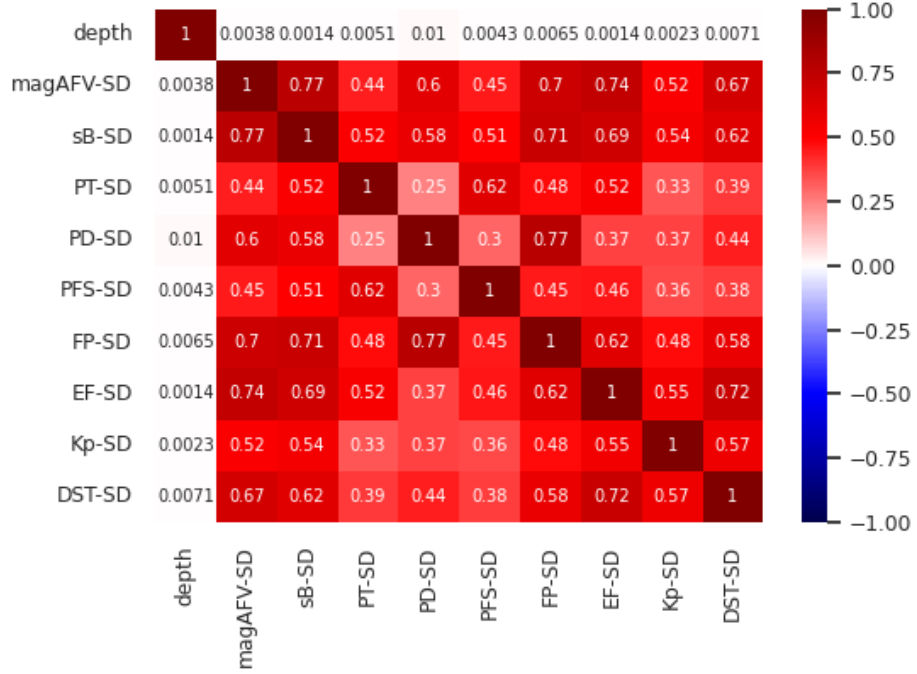


Figure 8: Earthquake Depth vs. SW Value Standard Distributions

Earthquake Latitude vs. Solar Activity Variables

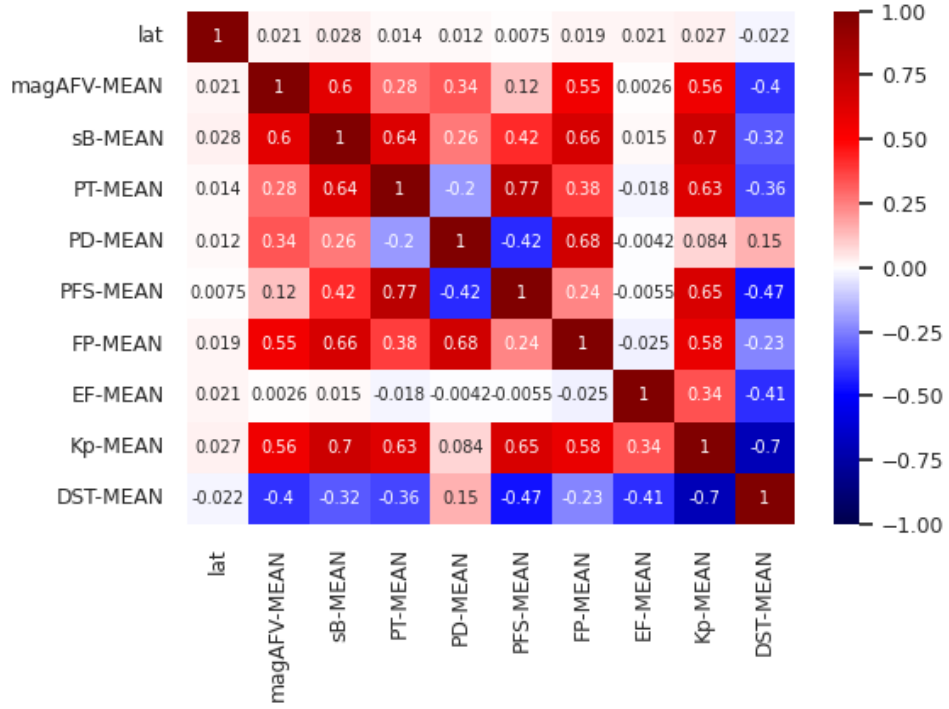


Figure 9: Earthquake Latitude vs. SW Mean Values

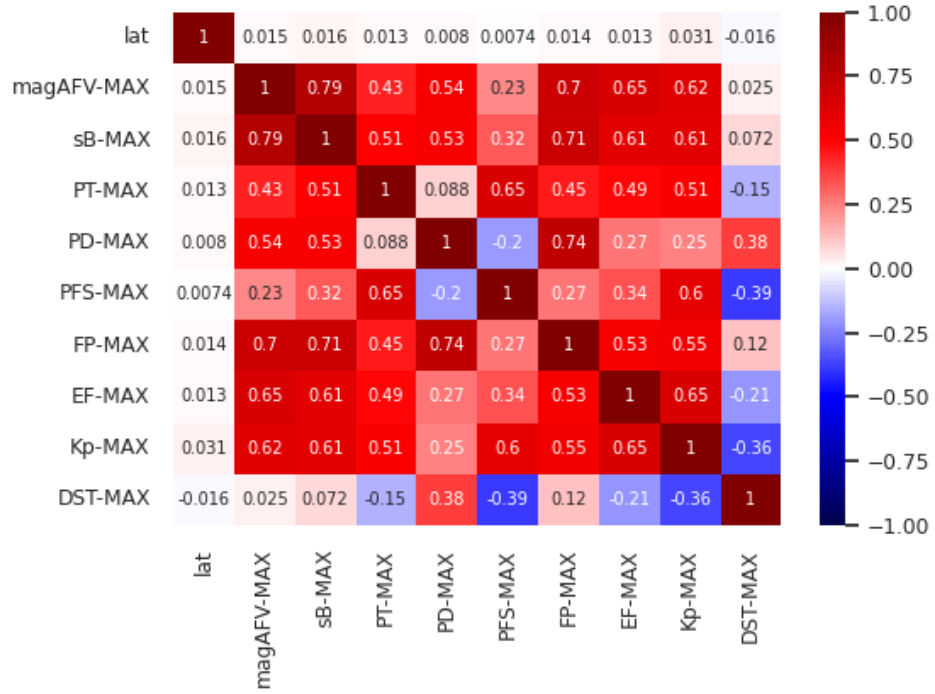


Figure 10: Earthquake Latitude vs. SW Max Values

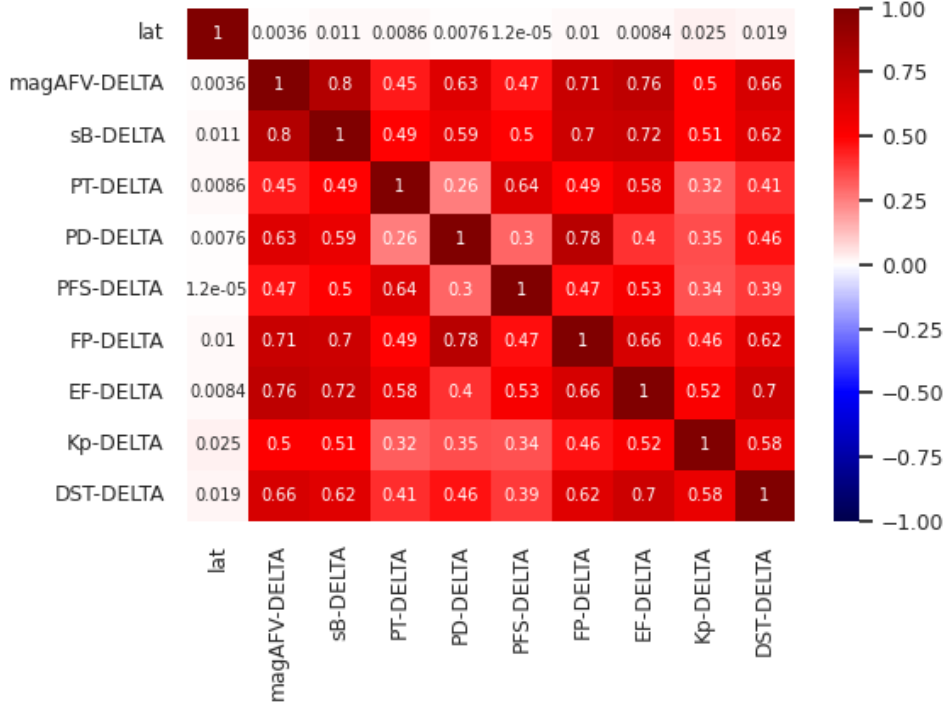


Figure 11: Earthquake Latitude vs. SW Change in Values

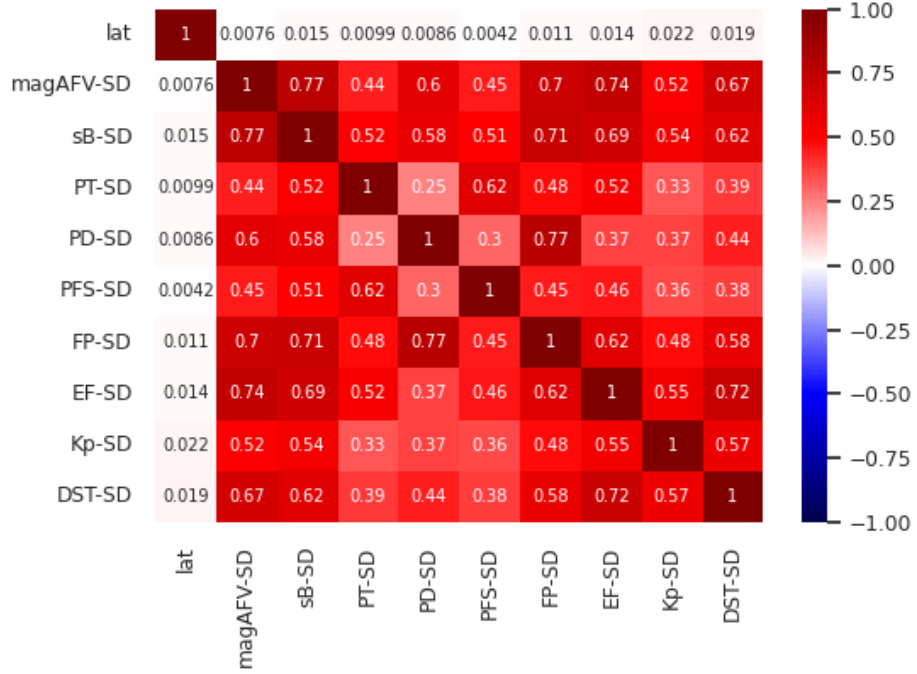


Figure 12: Earthquake Latitude vs. SW Value Standard Distributions

Earthquake Longitude vs. Solar Activity Variables

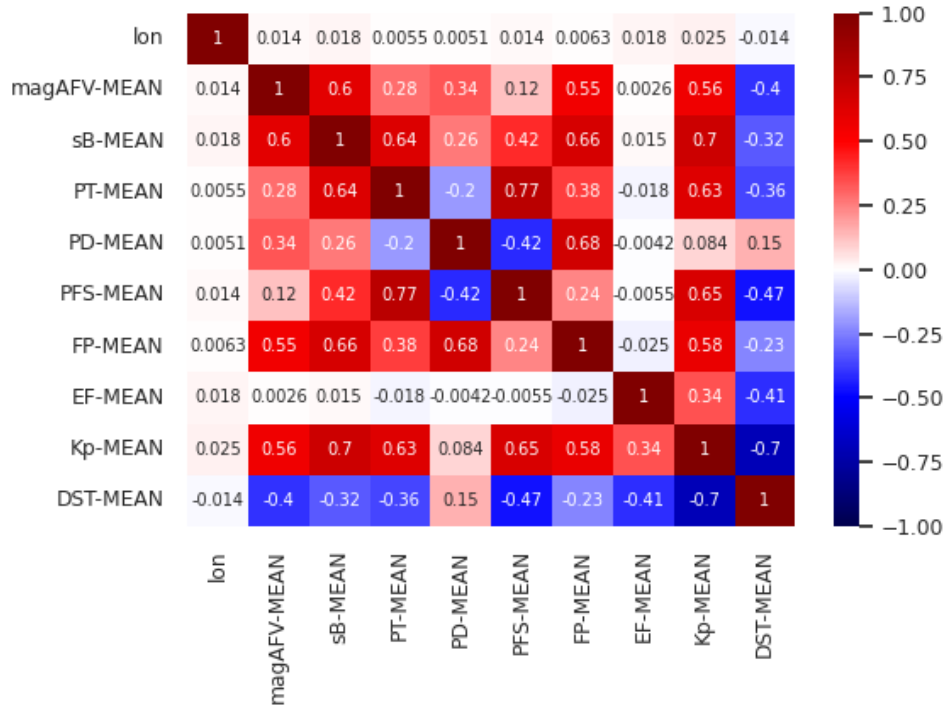


Figure 13: Earthquake Longitude vs. SW Mean Values

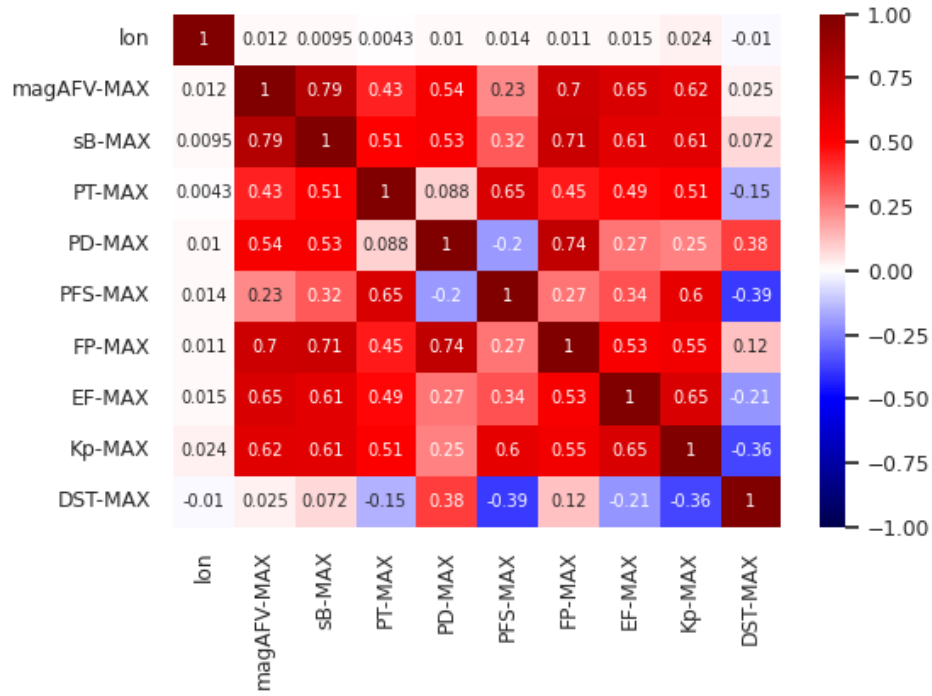


Figure 14: Earthquake Longitude vs. SW Max Values

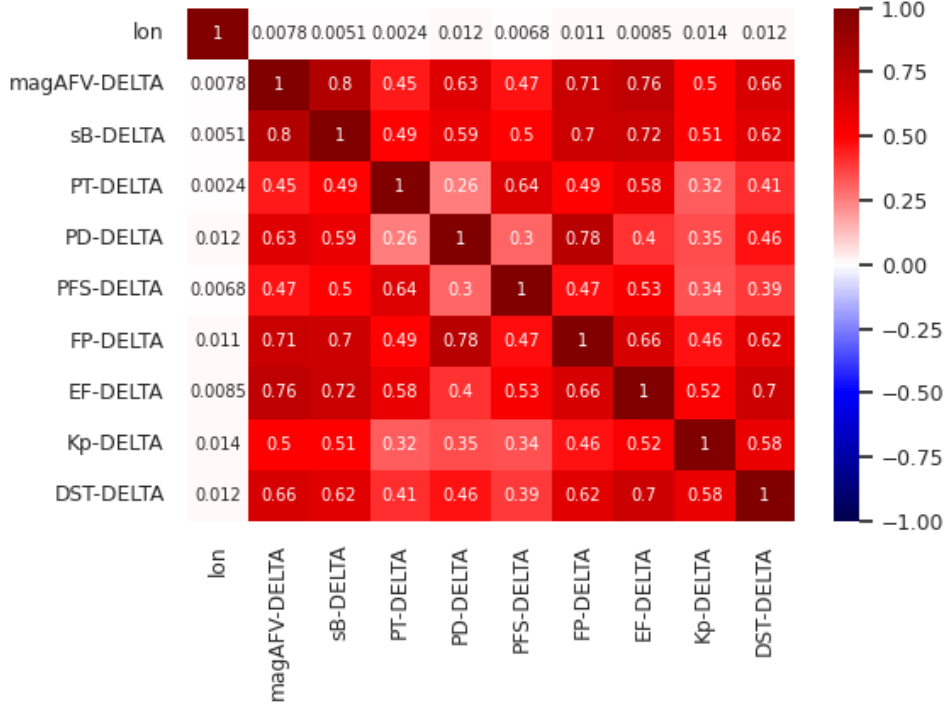


Figure 15: Earthquake Longitude vs. SW Change in Values

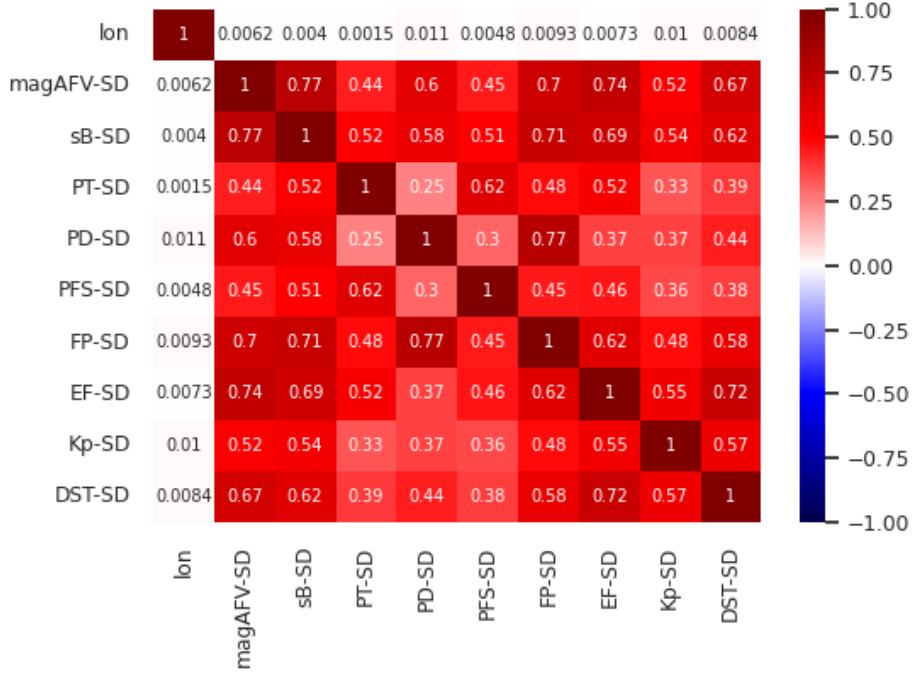


Figure 16: Earthquake Longitude vs. SW Value Standard Distributions