Supplementary Material

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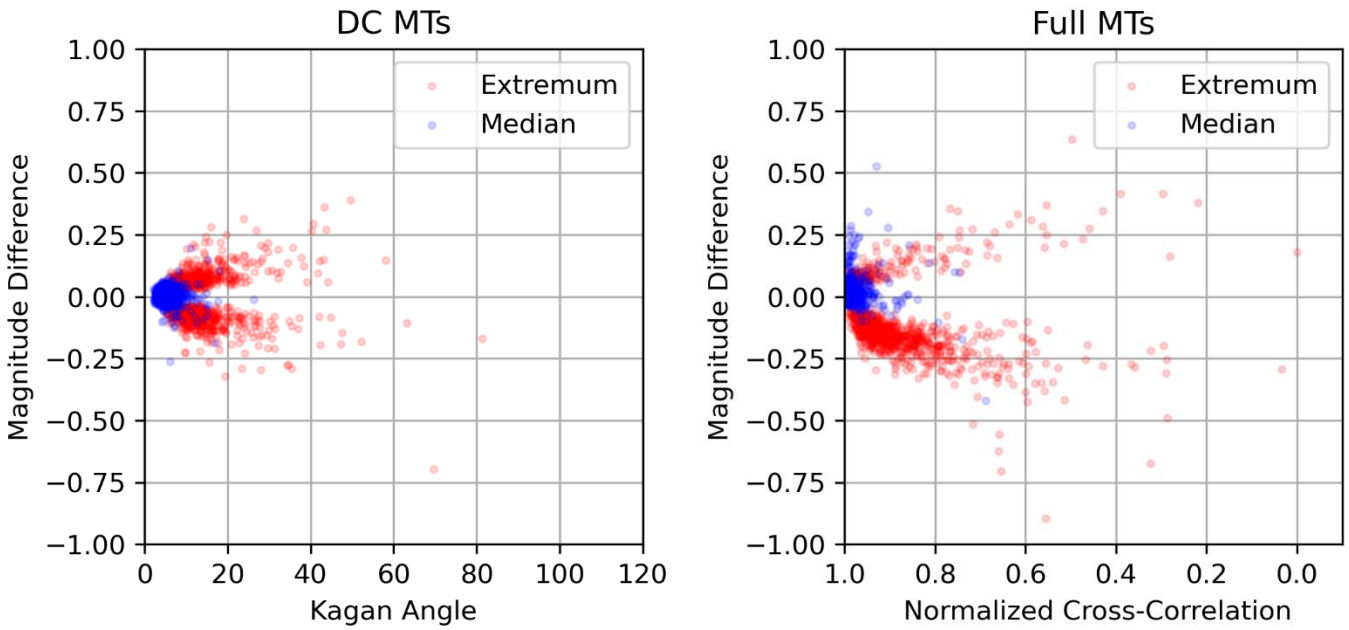


Figure S1: Same as Fig. 5 from the manuscript, but we have two extra stations, so there are six stations for DC and eight for full MTs.

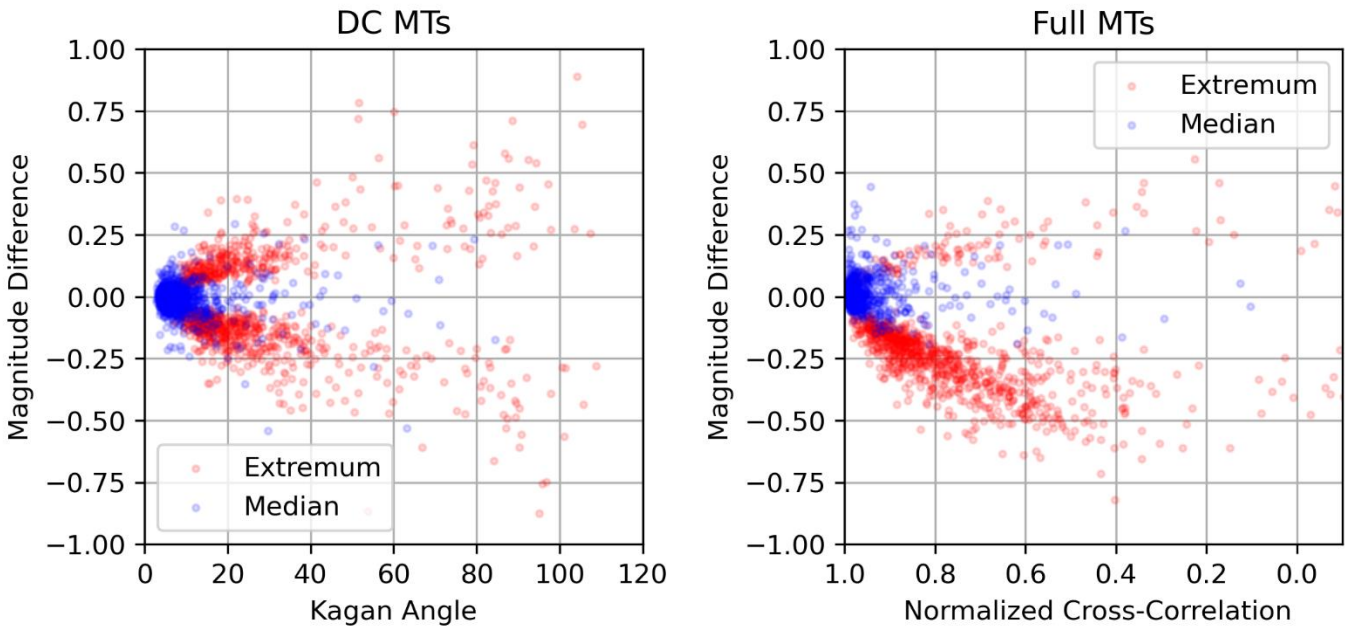


Figure S2: Same as Fig. 5 from the manuscript, but 30 events are used here.

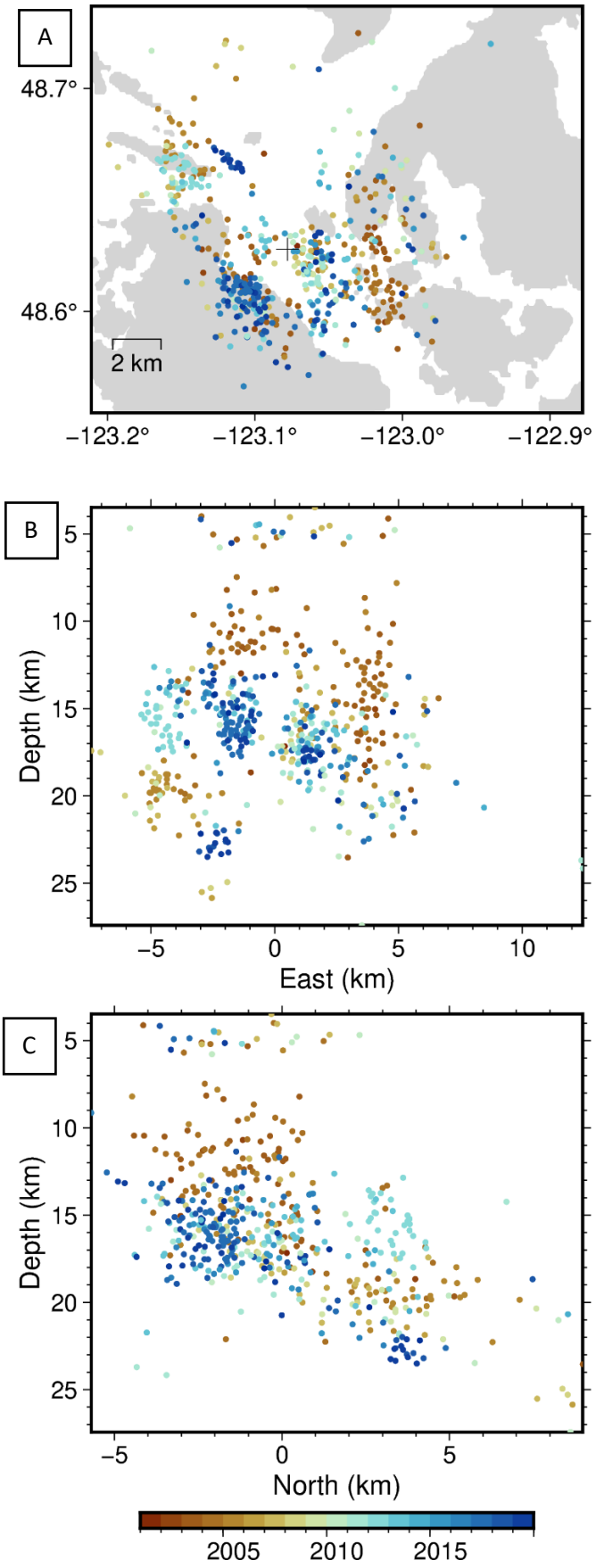


Figure S3: Earthquake locations color-coded by year before relocation. A) Top view with a black cross indicating the cluster center. B) East-west cross-section centred on the cluster. C) South-north cross-section centred on the cluster.

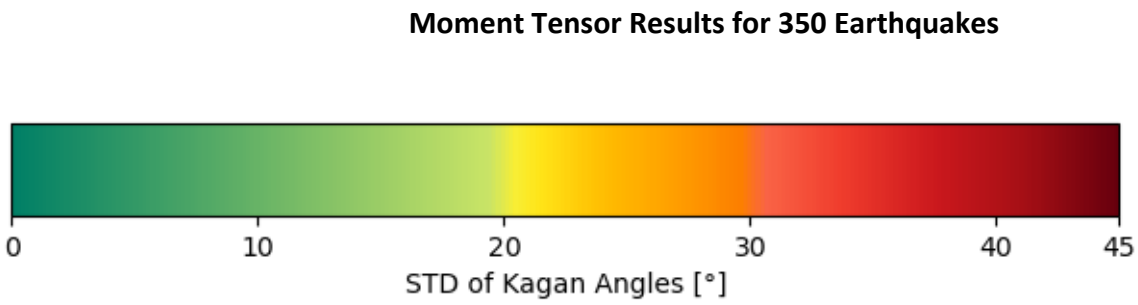


Figure S4: Color code used to plot the MT

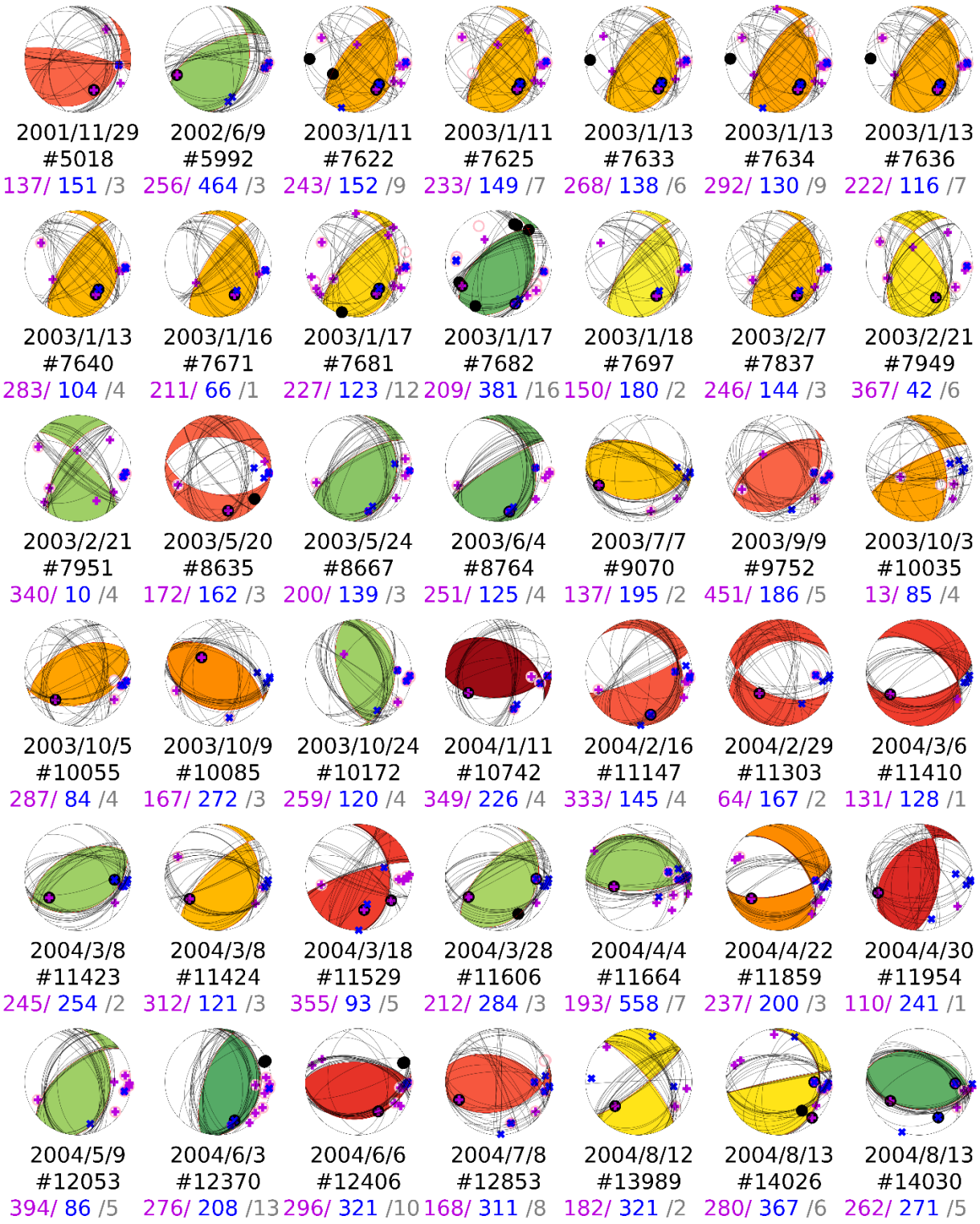


Figure S5: Moment tensor results from 2001/11/29 to 2004/8/13. MTs are colour-coded with their uncertainties (see Figure S4 for colour bar information). MTs are in the lower hemisphere. Purple +/blue x identify the station with P/S relative information. Circles identify stations with polarity information (empty with pink rim: down; filled black: up), and the pattern matches the projection. Black planes are the solution part of the uncertainties analysis. Under each mechanism is the date, event ID and number of relative P amplitudes in purple/relative S amplitudes in blue / P polarities in gray. See other supplements for the numerical values.

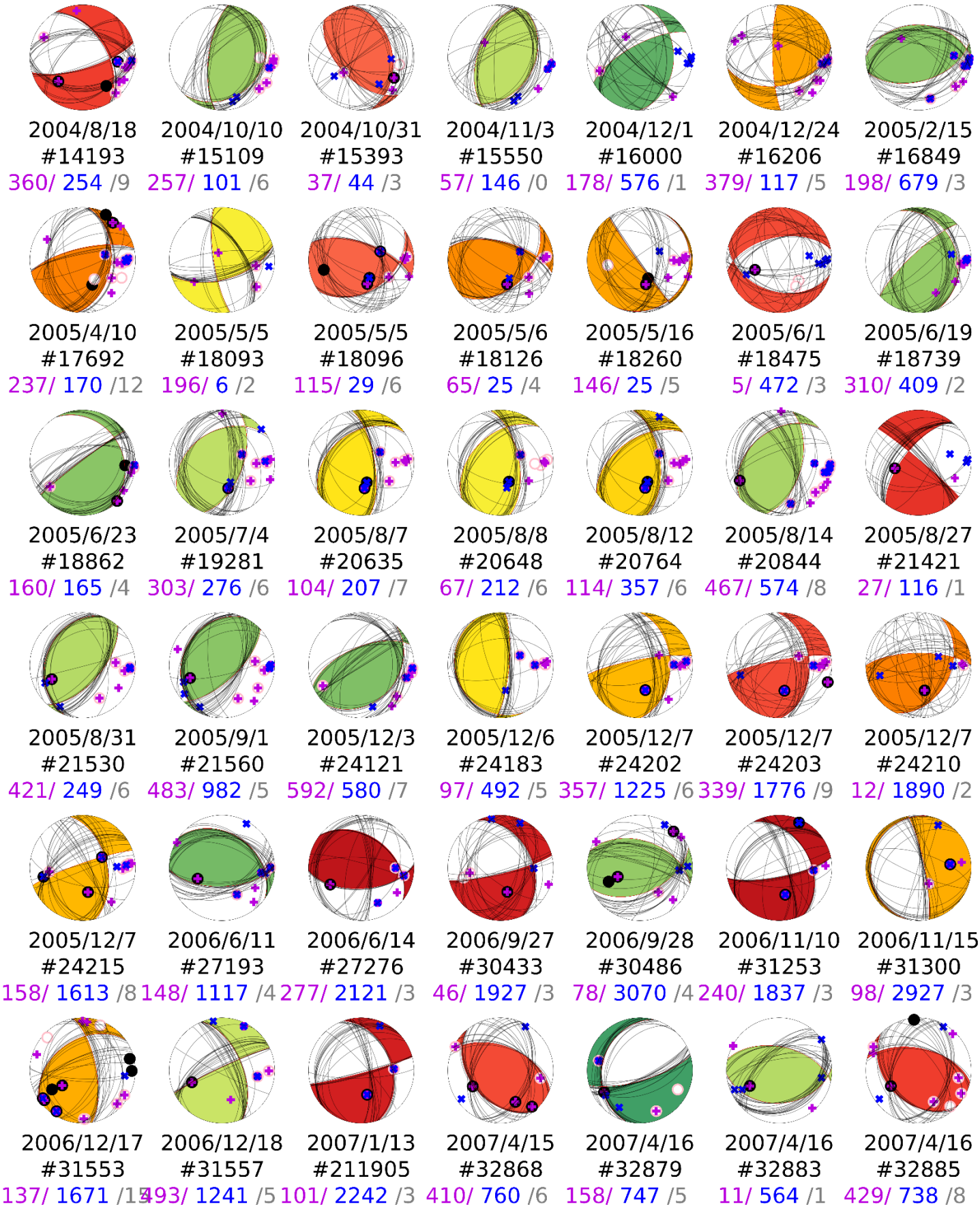


Figure S6: Same as Figure S5 but for MT results from 2004/8/18 to 2007/4/16.

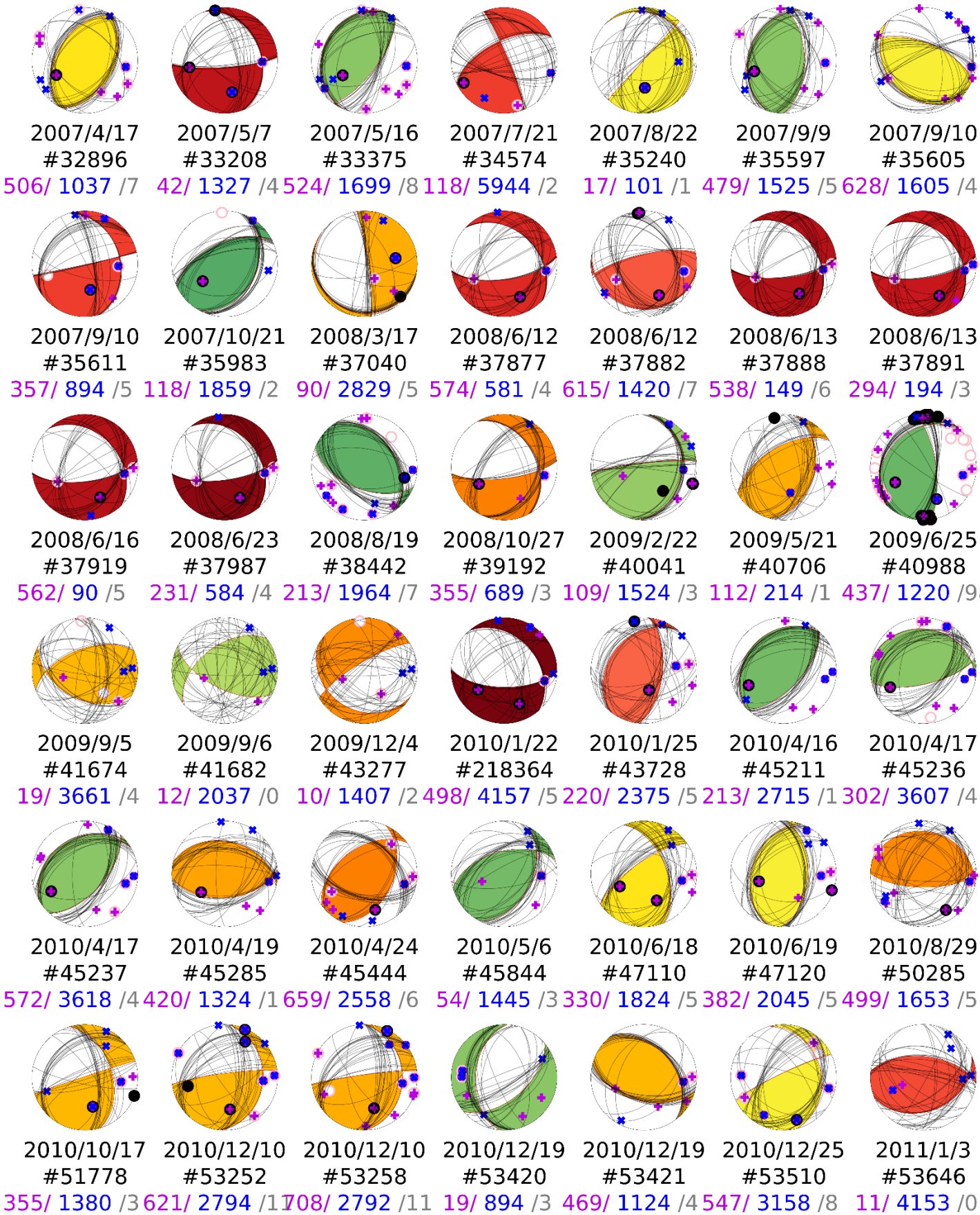


Figure S7: Same as Figure S5 but for MT results from 2007/4/17 to 2011/1/3.

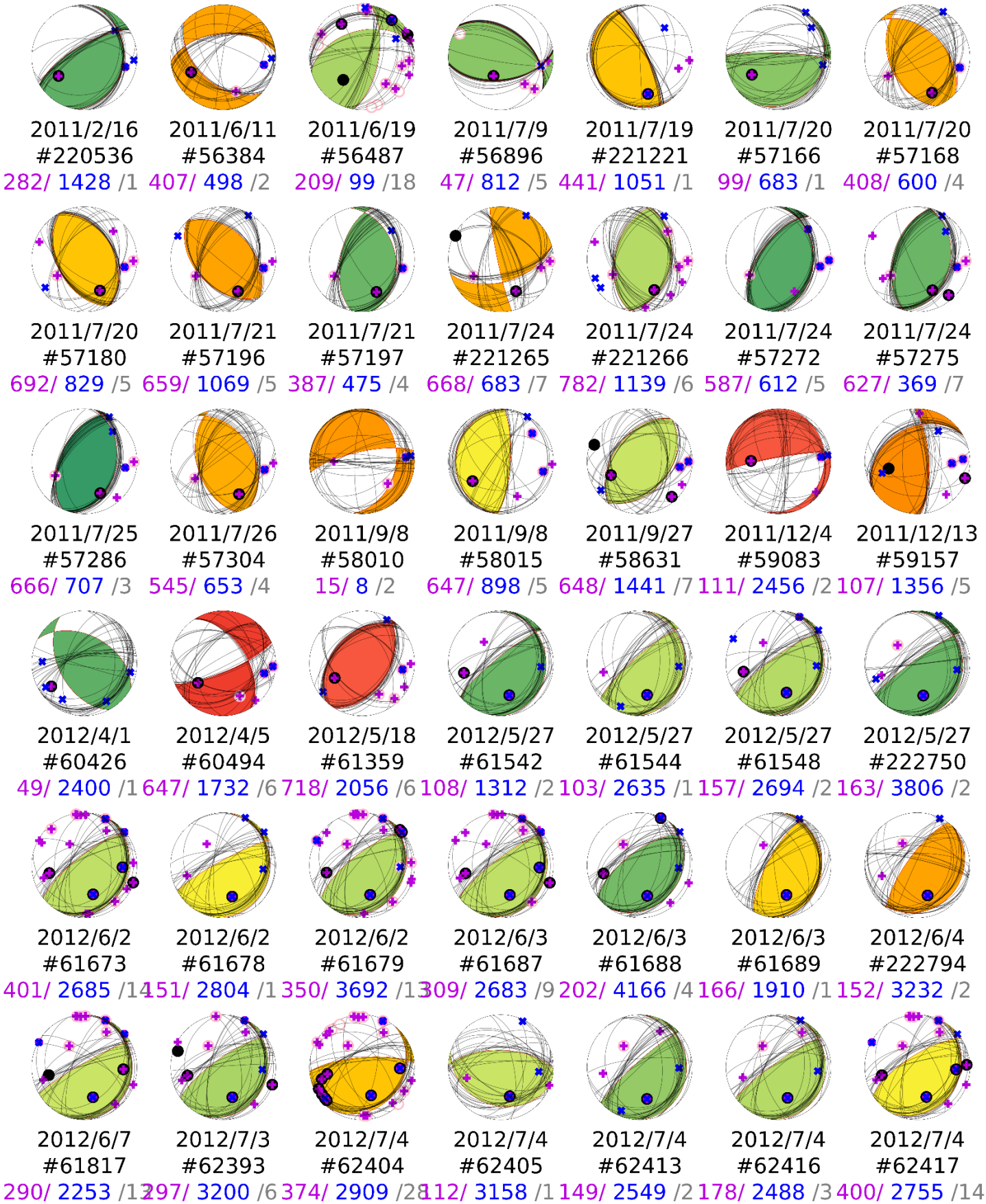


Figure S8: Same as Figure S5 but for MT results from 2011/2/16 to 2012/7/4.

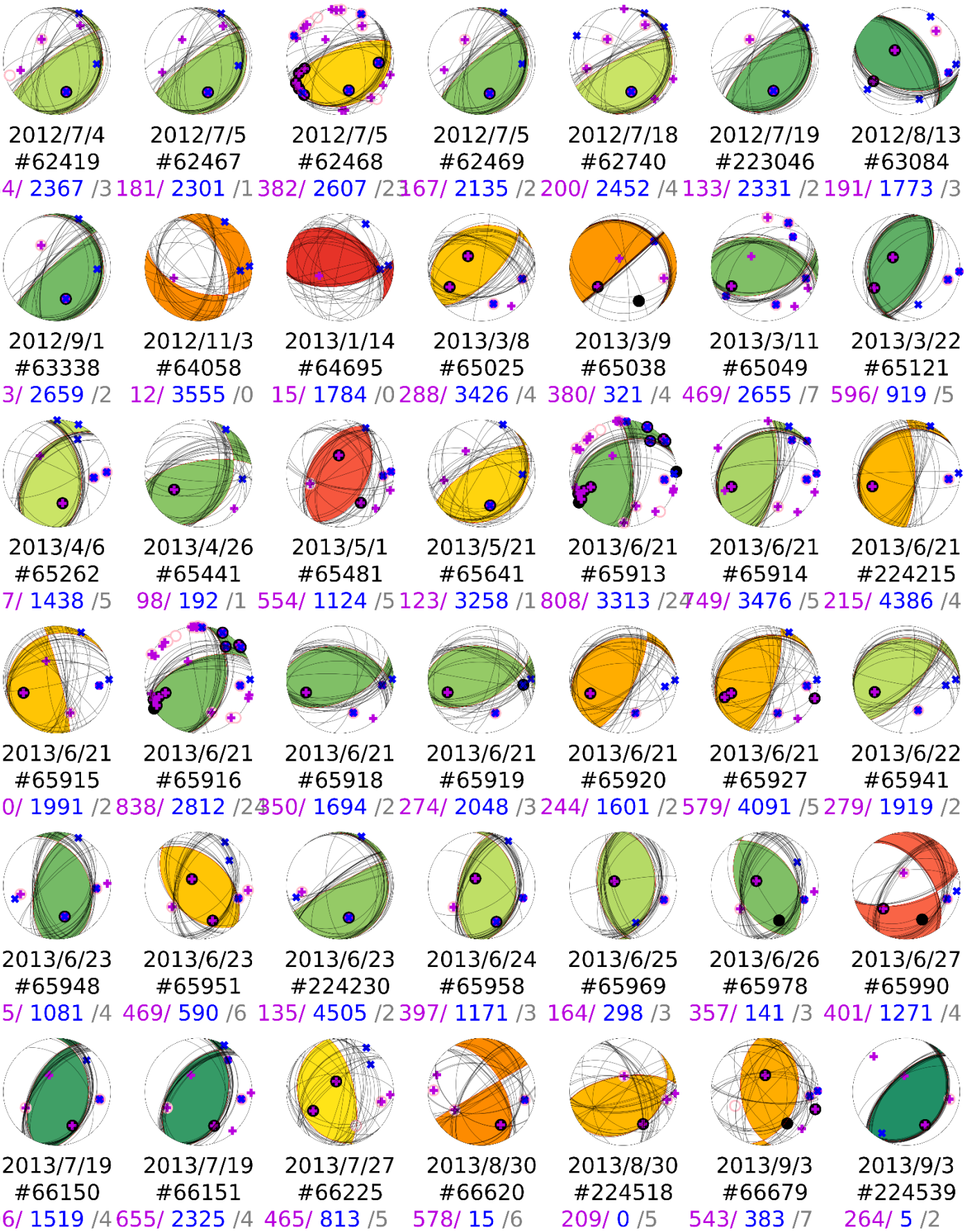


Figure S9: Same as Figure S5 but for MT results from 2012/7/4 to 2013/9/3.

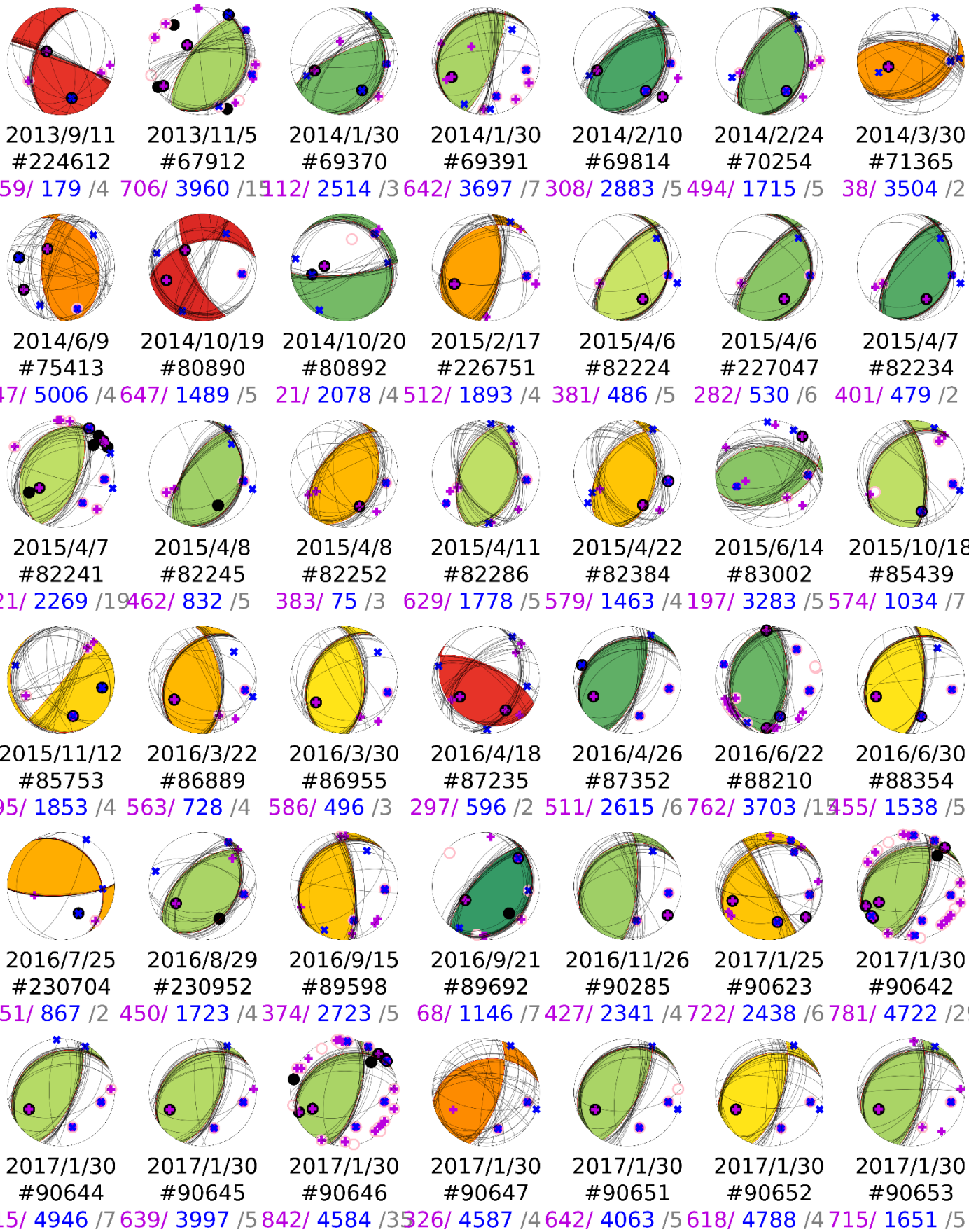


Figure S10: Same as Figure S5 but for MT results from 2013/9/11 to 2017/1/30.

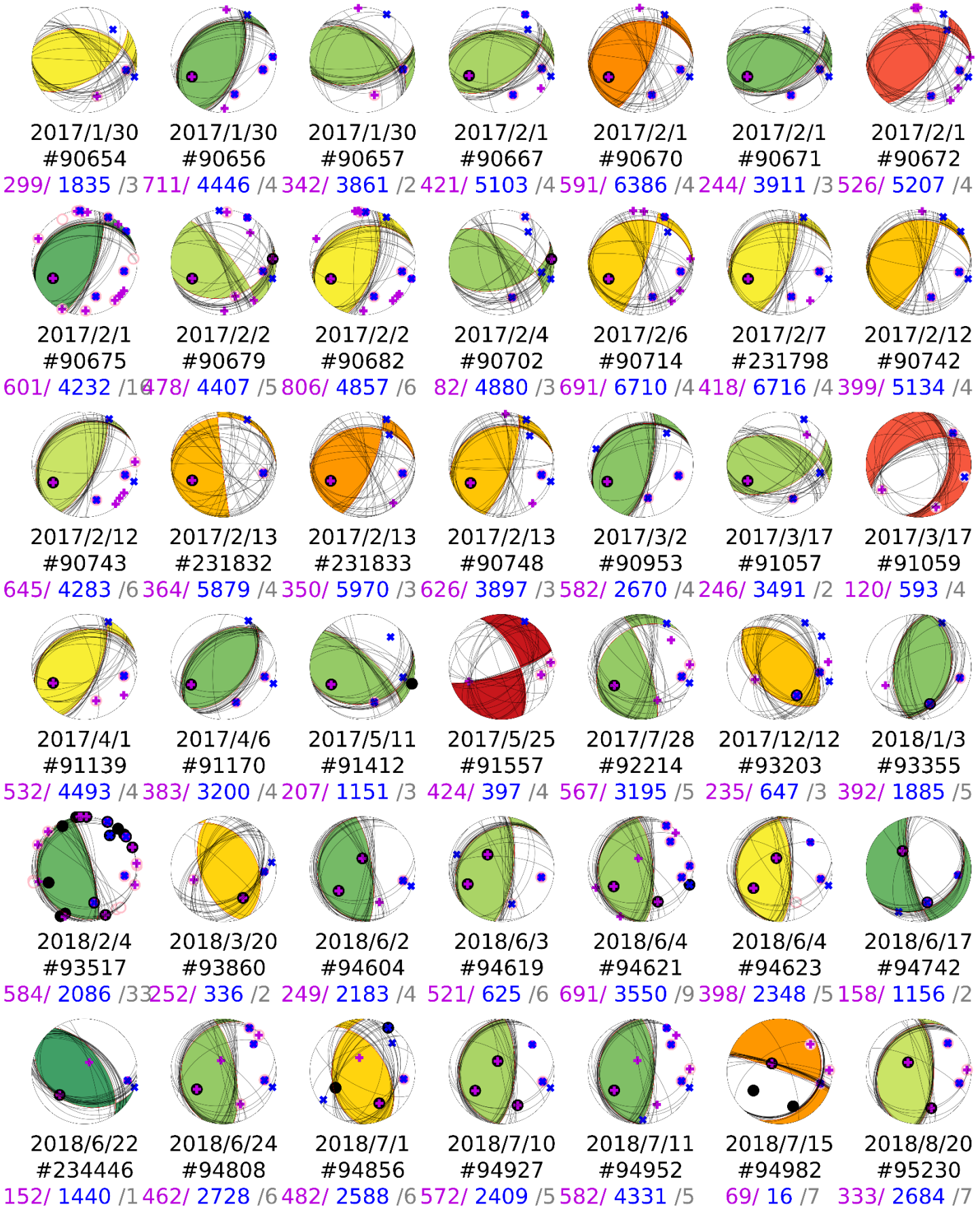


Figure S11: Same as Figure S5 but for MT results from 2017/1/30 to 2018/8/20.

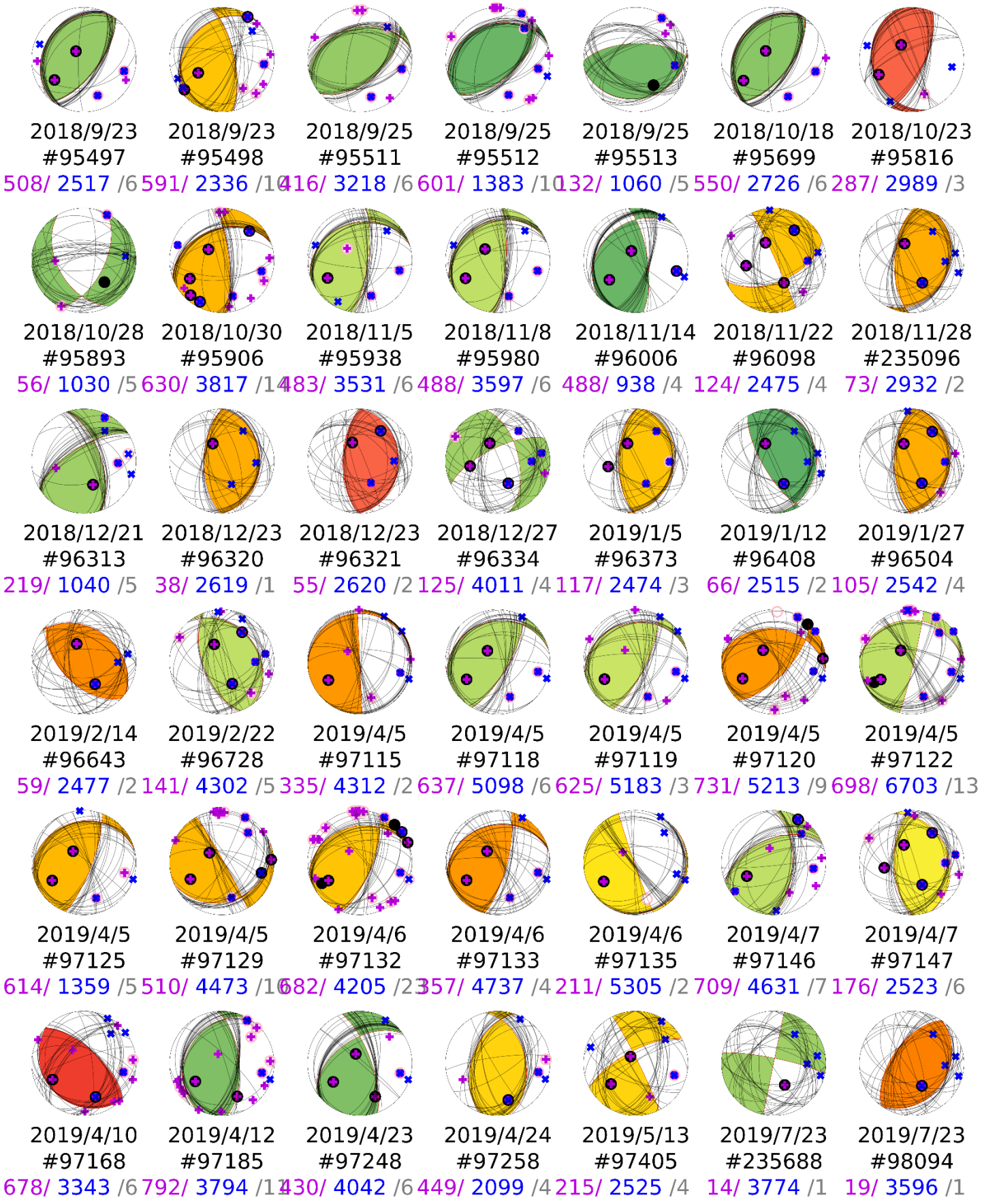


Figure S12: Same as Figure S5 but for MT results from 2018/9/23 to 2019/7/23.

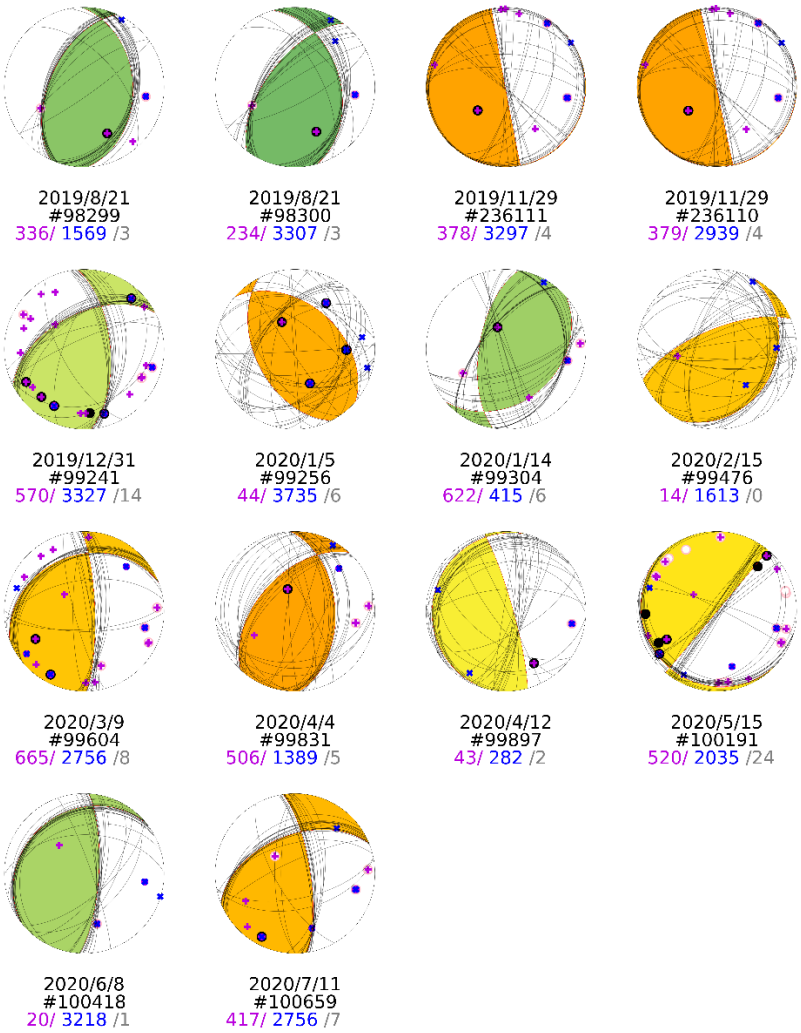


Figure S13: Same as Figure S5 but for MT results from 2019/8/21 to 2020/7/11.

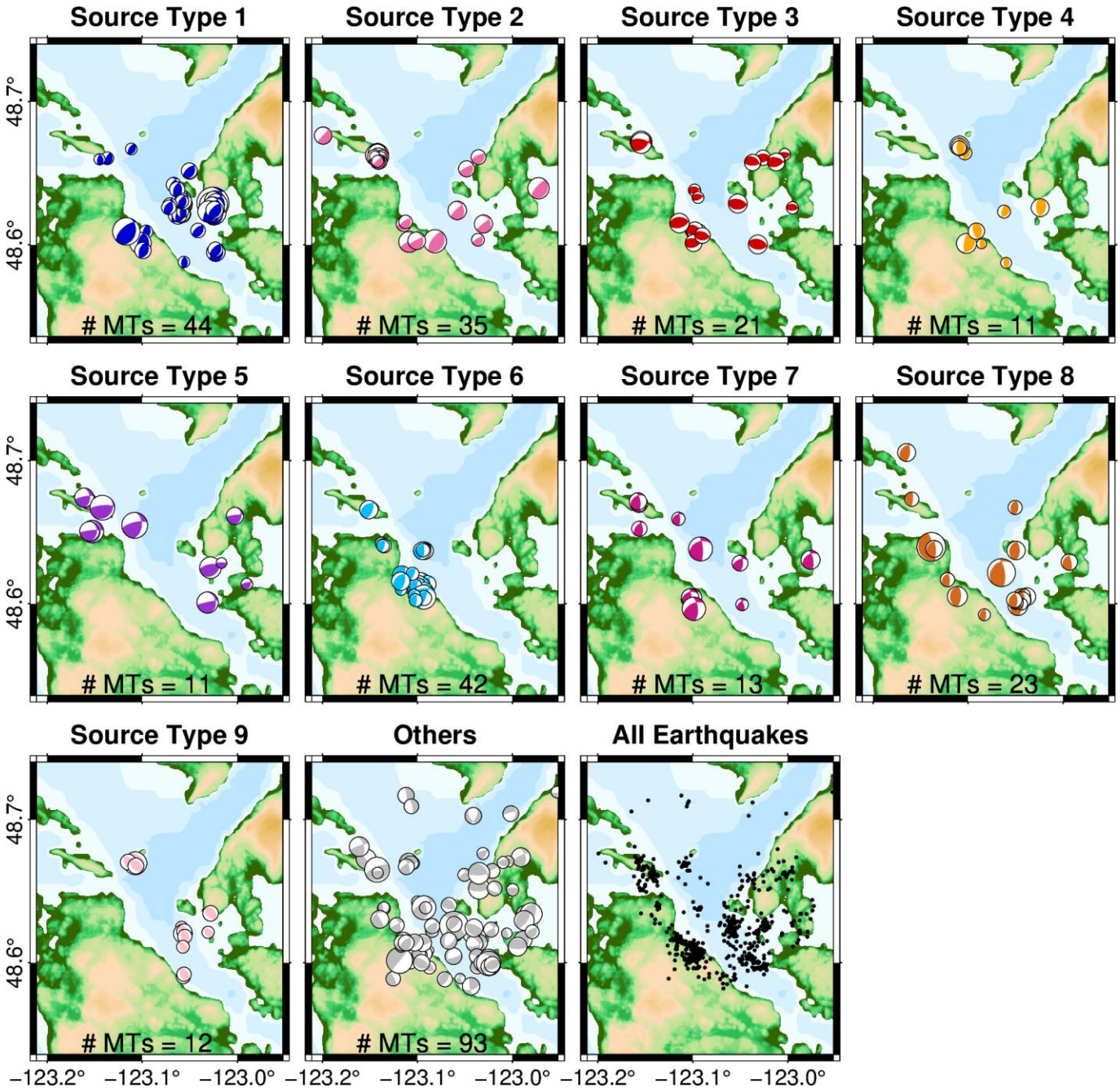


Figure S14: Moment tensor solutions for stable event clustered by source type using the Unweighted Pair Group Method with arithmetic mean (UPGMA), a hierarchical clustering method. Kagan angles between pair of focal mechanism as distance metric. A minimum of 10 events per cluster with a maximum difference of 25° Kagan are required to form a cluster. Other refer to the uncluster moment tensors.