

# Quickening the Pulse: Fractal Tempos in Continental Arc Magmatism de Silva et al. (2015) *Elements* 11: 113-118

## Sources of data presented in figures (listed by figure number)

### Figure 2 Data Sources

- Burgess SD, Miller JS (2008) Construction, solidification and internal differentiation of a large felsic arc pluton: Cathedral Peak granodiorite, Sierra Nevada Batholith. *Geological Society of London Special Publication* 304: 203-233
- Coleman DS, Glazner AF (1997) The Sierra Crest magmatic event: Rapid formation of juvenile crust during the Late Cretaceous in California. *International Geology Review* 39: 768-787
- Coleman DS, Gray W, Glazner AF (2004) Rethinking the emplacement and evolution of zoned plutons: geochronologic evidence for incremental assembly of the Tuolumne Intrusive Suite, California. *Geology* 32: 433-436
- Davis JW, Coleman DS, Gracely JT, Gaschnig R, Stearns M (2012) Magma accumulation rates and thermal histories of plutons of the Sierra Nevada batholith, California. *Contributions to Mineralogy and Petrology* 163: 449-465
- Memeti V, Paterson S, Matzel J, Mundil R, Okaya D (2010) Magmatic lobes as “snapshots” of magma chamber growth and evolution in large, composite batholiths: An example from the Tuolumne intrusion, Sierra Nevada, California. *Geological Society of America Bulletin* 122: 1912-1931

### Areal data for normalization

- Bateman PC (1992) Plutonism in the central part of the Sierra Nevada batholith, California. U.S. Geological Survey Professional Paper 1483: 186 pp

### Figure 3B Data Sources

- Barth AP, Wooden JL, Howard KA, Richards JL (2008) Late Jurassic plutonism in the southwest U.S. Cordillera. In: Wright JE and Shervais JW (eds) *Ophiolites, arcs, and batholiths*: Geological Society of America Special Paper 438: 379-396

### Figure 3C Data Sources

#### Plutonic data set

- Barth AP, Wooden JL, Howard KA, Richards JL (2008) Late Jurassic plutonism in the southwest U.S. Cordillera. In: Wright JE and Shervais JW (eds) *Ophiolites, arcs, and batholiths*. Geological Society of America Special Paper 438: 379-396
- Barth AP, Wooden JL, Jacobson CE, Probst K (2004) U-Pb geochronology and geochemistry of the McCoy Mountains Formation, southeastern California: A Cretaceous retroarc foreland basin. *Geological Society of America Bulletin* 116: 142-153
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- Stone P, Barth AP, Wooden JL, Fohey-Breting NK, Vazquez JA, Priest SS (2013) Geochronologic and geochemical data from Mesozoic rocks in the Black Mountain area northeast of Victorville, San Bernardino County, California: U.S. Geological Survey Open-File Report 2013-1146, 31 p.

## Detrital data set

- Barth AP, Wooden JL, Jacobson CE, Probst K (2004) U-Pb geochronology and geochemistry of the McCoy Mountains Formation, southeastern California: A Cretaceous retroarc foreland basin. *Geological Society of America Bulletin* 116: 142–153
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- DeGraaff-Surpless K, Graham SA, Wooden JL, McWilliams MO (2002) Detrital zircon provenance analysis of the Great Valley Group, California: Evolution of an arc-forearc system. *Geological Society of America Bulletin* 114: 564–1580
- Doebbert AC, Carroll AR, Johnson C (2012) The sandstone-derived provenance record of the Gualala Basin, northern California, U.S.A. *Journal of Sedimentary Research* 82: 841-858.
- Ingersoll RV, Grove M, Jacobson CE, Kimbrough DL, Hoyt JF (2013) Detrital zircons indicate no drainage link between southern California rivers and the Colorado Plateau from mid-Cretaceous through Pliocene. *Geology* 41: 311-314.
- Jacobson CE, Grove M, Pedrick JN, Barth AP, Marsaglia KM, Gehrels GE, Nourse JA, (2011) Late Cretaceous–early Cenozoic tectonic evolution of the southern California margin inferred from provenance of trench and forearc sediments. *Geological Society of America Bulletin* 123: 485-506.
- Laskowski AK, DeCelles PG, Gehrels GE (2013) Detrital zircon geochronology of Cordilleran retroarc foreland basin strata, western North America. *Tectonics* 32: 1-22
- Lawton TF, Bradford BA (2011) Correlation and provenance of Upper Cretaceous (Campanian) fluvial strata, Utah, U.S.A., from zircon U-Pb geochronology and petrography. *Journal of Sedimentary Research* 81: 495-512.
- Spencer JE, Richard SM, Gehrels, GE, Gleason, JD, Dickinson WR (2011) Age and tectonic setting of the Mesozoic McCoy Mountains Formation in western Arizona, USA. *Geological Society of America Bulletin* 123:1258-1274.

## Figure 4 Data Sources

- Salisbury MJ, Jicha BR, de Silva SL, Singer BS, Jimenez NC, Ort MH (2011)  $^{40}\text{Ar}/^{39}\text{Ar}$  chronostratigraphy of Altiplano-Puna volcanic complex ignimbrites reveals the development of a major magmatic province. *Geological Society of America Bulletin* 123: 821–840
- Kern (2012) Timescales of large silicic magma systems: investigating the magmatic history of ignimbrite eruptions in the Altiplano-Puna Volcanic Complex of the Central Andes through U-Pb zircon dating. MS Thesis. Oregon State University

## Figure 5 Data Sources

- Barth AP, Wooden JL, Jacobson CE, Probst K (2004) U-Pb geochronology and geochemistry of the McCoy Mountains Formation, southeastern California: A Cretaceous retroarc foreland basin. *Geological Society of America Bulletin* 116: 142–153
- Cassel EJ, Grove M, Graham SA (2012) Eocene drainage evolution and erosion of the Sierra Nevada batholith across northern California and Nevada. *American Journal of Science* 312: 117-144
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- Spencer JE, Richard SM, Gehrels, GE, Gleason, JD, Dickinson WR (2011) Age and tectonic setting of the Mesozoic McCoy Mountains Formation in western Arizona, USA. *Geological Society of America Bulletin* 123:1258-1274