

References for Poster #EP55C-0792 (Alexander, A.M., et al)

- [1] Morgan, J., Gulick, S., Mellett, C.L., Green, S.L., and the Expedition 364 Scientists, <http://dx.doi.org/10.14379/iodp.proc.364.2017>
- [2] Urrutia-Fucugauchi J., Soler-Arechalde A. M., Rebolledo-Vieyra M., and Vera-Sanchez P. 2004b. Paleomagnetic and rock magnetic study of the Yaxcopoil-1 impact breccia sequence, Chicxulub impact crater (Mexico). *Meteoritics & Planetary Science* 39:843–856.
- [3] Rebolledo-Vieyra M., Urrutia-Fucugauchi J., and Héctor López-Loera H. 2010. Aeromagnetic anomalies and structural model of the Chicxulub multiring impact crater, Yucatán, Mexico. *Revista Mexicana de Ciencias Geológicas* 27:185–195.
- [4] Amsden, A., Ruppel, H., and Hirt, C. (1980). SALE: A simplified ALE computer program for fluid flow at all speeds. Los Alamos National Laboratories Report, LA-8095:101p. Los Alamos, New Mexico: LANL.
- [5]] Collins, G. S., Melosh, H. J., and Ivanov, B. A. (2004). Modeling damage and deformation in impact simulations. *Meteoritics and Planetary Science*, 39:217--231. "doi":<http://dx.doi.org/10.1111/j.1945-5100.2004.tb00337.x>
- [6] Wünnemann, K., Collins, G., and Melosh, H. (2006). A strain-based porosity model for use in hydrocode simulations of impacts and implications for transient crater growth in porous targets. *Icarus*, 180:514--527. "doi":<http://dx.doi.org/10.1016/j.icarus.2005.10.013>
- [7] Collins, GS (2014), Numerical simulations of impact crater formation with dilatancy, *J. Geophys. Res. Planets*, 119, 2600–2619, "doi":<http://dx.doi.org/10.1002/2014JE004708>.
- [8] Collins, GS, Morgan, J, Barton, P, Christenson, GL, Gulick, S, Urrutia, J, Warner, M, Wunneman, K., 2008, *Earth and Planetary Science Letters*, Vol 270, Pp 221-230, <https://doi.org/10.1016/j.epsl.2008.03.032>
- [9] Wiggins, S. E. et al., (2019). *Journal of Geophysical Research: Planets*, 124. <https://doi.org/10.1029/2018JE005757>
- [10] Pierazzo et al., *Icarus* 127, 408–423 (1997)
- [11] Rae, A. S. P., Collins, G. S. Morgan, J. V. Salge, T. Christeson, G. L., Leung, J., et al. (2019). Impact-induced porosity and microfracturing at the Chicxulub impact structure. *Journal of Geophysical Research: Planets*, 124, 1960–1978. <https://doi.org/10.1029/2019JE005929>
- [12] Morgan, J., Gulick, S., Mellett, C.L., Green, S.L., and the Expedition 364 Scientists Proceedings of the International Ocean Discovery Program Volume 364 publications.iodp.org, 2017, <https://doi.org/10.14379/iodp.proc.364.107.2017>
- [13] McCall, N., Gulick, S., Bhandari, A., Tikoo, S., Vanorio, T., Rasmussen, C., Kring, D., Wittmann, A., Ketcham, R., Hesse M., 2021, AGU Fall Meeting, P54A-08.

[14] Elbra, T. And Pesonen, L.J. (2011), Physical Properties Of The Yaxcopoil-1 Deep Drill Core, Chicxulub Impact Structure, Mexico. *Meteoritics & Planetary Science*, 46: 1640-1652.
<https://doi.org/10.1111/j.1945-5100.2011.01253.x>

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Figure 1. Kring *et al*, doi: 10.1130/GSATG352A.1.