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## Geomorphic response to uplift along the Dragon's Back pressure ridge, Carrizo Plain, California

Culminating at least 17 years of on and off work and sustained obsession, a paper entitled *Geomorphic response to uplift along the Dragon's Back pressure ridge, Carrizo Plain, California* by former Ph.D. student (and now Stanford University assistant professor) George Hilley and me is published today in the journal GEOLOGY. See this [link](#). It is exciting because it is a pretty cool story that seems to hold together, and the Dragon's Back is also an impressive feature that is seen on many iconic San Andreas Fault images (see for example [this one](#) from the USGS). Both George and I worked on the Dragon's Back in our Ph.D. work. Dallas Rhodes had a big part in the thinking about the Dragon's Back over the years, especially at the beginning. Thanks to George for pushing this publication along.

Note that the analysis presented uses San Andreas Fault LiDAR topographic data from the NCALM project (a seed grant to George). Higher density LiDAR data of the same site are available from the [B4](#) project via the [GEON LiDAR Workflow](#). Tutorials are available here: [http://lidar.asu.edu/07GSA\\_lidar\\_shortcourse.html](http://lidar.asu.edu/07GSA_lidar_shortcourse.html).

Here are some more Dragon's Back pictures, etc.:

<http://activetectonics.asu.edu/carrizo/db/>

In this field guide is a geologic map of the Dragon's Back and Northern Elkhorn Hills of the Carrizo Plain for context:

[Hilley and Arrowsmith, 2005, "Progressive deformation around a restraining bend in the San Andreas Fault, Carrizo Plain, CA" contribution to PGS San Andreas Fault Field Trip Guidebook.](#)

[Nice hillshade overview](#)

[Recent field trip photos](#)

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