Modeling the Shape and Evolution of Normal-Fault Facets

Key Points.

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Abstract. (Type abstract here)

1. Introduction

GOALS FOR FACET PIX:

o illustrate classic triangular facets

o demonstrate variation in gradient (could also be done with x-sec profiles)

o demonstrate variation in cover (ditto)

o demonstrate presence / absence of slope break at fault trace (ditto)

TENTATIVE LIST OF FIGURES:

o pix of facets

o bar graph of regolith thickness and percent cover on a bunch of facets

o model illustration combining list of states with hexagons, with schematic example transitions from Grain Hill

o 2x2 figure showing T et al 2011 schematic next to model w-lim runs at 60 (no w), 40, and 20 deg, compared with analytical

o 3x3 of sim profiles in d' vs w' space

o plot of gradient in d' and w' space

o same for reg cover proportion

o illustration with baselevel lowering

o illustration with baselevel rise

Acknowledgments. (Text here)

References