

ASU EarthScope Seminar Reading List

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01. 01/22/2007:

Talk: Introduction to the EarthScope Project

Presenter: Matt Fouch

Presentation: [\[ppt\]](#) [\[pdf\]](#)

Related links: [\[earthscope website\]](#)

02. 01/29/2007:

Paper Title: High-Resolution Surface-Wave Tomography from Ambient Seismic Noise

Authors: N.M. Shapiro, M. Campillo, L. Stehly, and M.H. Ritzwoller

Paper link: [\[pdf - 2.1 Mb\]](#)

Presenter: Matt Fouch

Presentation: [\[ppt-zip\]](#) [\[pdf\]](#)

Summary: [\[pdf\]](#)

Discussion notes: [\[pdf\]](#)

03. 02/05/2007:

Paper title: The Mantle Flow Field Beneath Western North America

Authors: P.G. Silver and W.E. Holt

Paper link: [\[pdf - 2.6 Mb\]](#)

Presenter: Abby Bull

Presentation: [\[ppt\]](#) [\[pdf\]](#)

Summary: [\[pdf\]](#)

Discussion notes: [\[pdf\]](#)

04. 02/12/2007:

Paper title: Low-Velocity Zone Atop the 410-km Seismic Discontinuity in the Northwestern United States

Authors: T.-R.A. Song, D.V. Helmberger, and S.P. Grand

Paper link: [\[pdf - 7.6 Mb\]](#)

Presenter: Patty Lin

Presentation: [\[ppt\]](#) [\[pdf\]](#)

Summary: [\[pdf\]](#)

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05. **02/22/2007: (NOTE SPECIAL DATE)**

Paper title: How Laramide-Age Hydration of North American Lithosphere by the Farallon Slab Controlled Subsequent Activity in the Western United States

Authors: E. Humphreys, E. Hessler, K. Dueker, G.L. Farmer, E. Erslev, and T. Atwater

Paper link: [pdf - 0.3 Mb]

Presenter: Jeff Roth

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

06. **02/26/2007:**

Paper title: Uplift, thermal unrest and magma intrusion at Yellowstone caldera

Authors: C.W. Wicks, W. Thatcher, D. Dzurisin, and J. Svarc

Paper link: [pdf - 3.5 Mb]

Presenter: Kevin Eagar

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

07. **03/05/2007: (NOTE: CLASS WILL BE HELD IN FALES ROOM - C112)**

Paper title: Episodic Tremor and slip on the Cascadia subduction zone: The chatter of silent slip

Authors: G. Rogers and H. Dragert

Paper link: [pdf - 1.0 Mb] (includes News & Views)

Presenter: Shaji Nair

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

03/12/2007: SPRING BREAK

08. **03/19/2007: (NOTE: CLASS WILL BE HELD IN FALES ROOM - C112)**

Paper title: Rotation and plate locking at the southern Cascadia subduction zone

Authors: R. McCaffrey, M.D. Long, C. Goldfinger, P.C. Zwick, J. L. Nabelek, C.K. Johnson, and C. Smith

Paper link: [pdf - 0.5 Mb]

Presenter: John West

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

09. **03/26/2007: (NOTE: CLASS WILL BE HELD IN FALES ROOM - C112)**

Paper title: An inverted continental Moho and serpentinization of the forearc mantle

Authors: M.G. Bostock, R.D. Hyndman, S. Rondenay, and S.M. Peacock

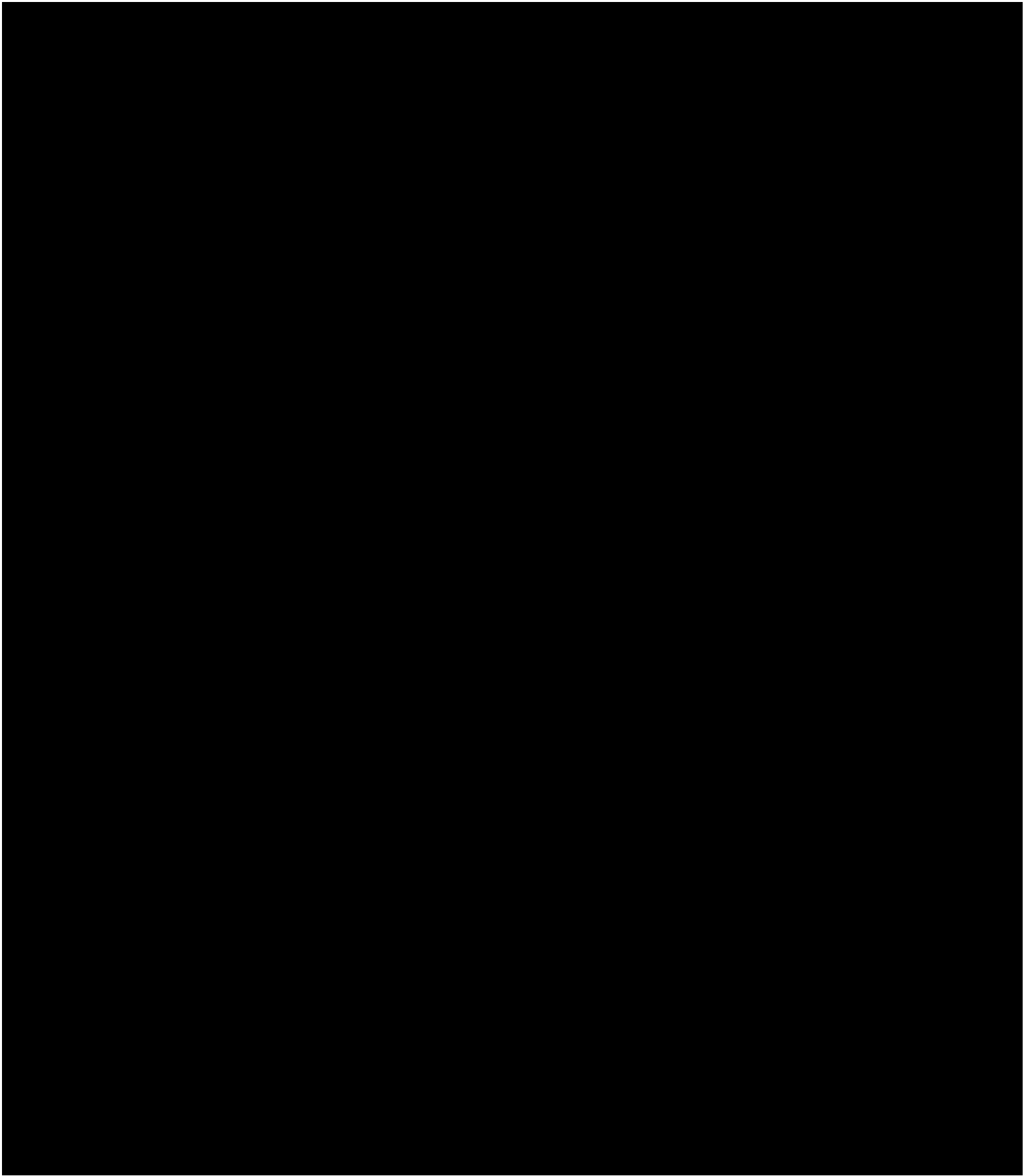
Paper link: [pdf - 0.3 Mb]

Presenter: Lauren Mattatall

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]



10. 04/02/2007:

Paper title: Internal structure of the San Andreas fault at Parkfield, California

Authors: Unsworth, M.J., P.E. Malin, G.D. Egbert, and J.R. Booker

Paper link: [pdf - 0.3 Mb]

Presenter: Meghan Graham

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

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11. 04/09/2007:

Paper 1 title: A look inside the San Andreas fault at Parkfield through vertical seismic profiling

Authors: Chavarria, J.A., P. Malin, R.D.Catchings, E. Shalev

Paper 2 title: Fine-scale structure of the San Andreas fault zone and location of the SAFOD target earthquakes

Authors: Thurber, C., S. Roecker, H. Zhang, S. Baher, and W. Ellsworth

Presenter: Nick Schmerr

Paper links: [paper 1: pdf - 2.2 Mb] [paper 2: pdf - 0.2 Mb]

Presentations - Paper 1: [ppt] [pdf]

Presentations - Paper 2: [ppt] [pdf]

Summaries: Paper 1 [pdf]

Summaries: Paper 2 [pdf]

Discussion notes: [pdf]

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12. 04/16/2007:

Paper title: Upper mantle structure beneath the eastern Colorado Plateau and Rio Grande rift revealed by Bouguer gravity, seismic velocities, and xenolith data

Authors: Roy, M., J.K. MacCarthy, and J. Selverstone

Presenter: Angela Magee

Paper link: [pdf - 3.5 Mb]

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

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13. 04/23/2007:

Paper title: Raising the Colorado Plateau

Authors: McQuarrie, N., and C.G. Chase

Presenter: Chunpeng Zhao

Paper links: [pdf - 0.2 Mb] [comment and reply pdf - 0.04 Mb]

Presentation: [ppt] [pdf]

Summary: [pdf]

Discussion notes: [pdf]

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14. 04/30/2007:

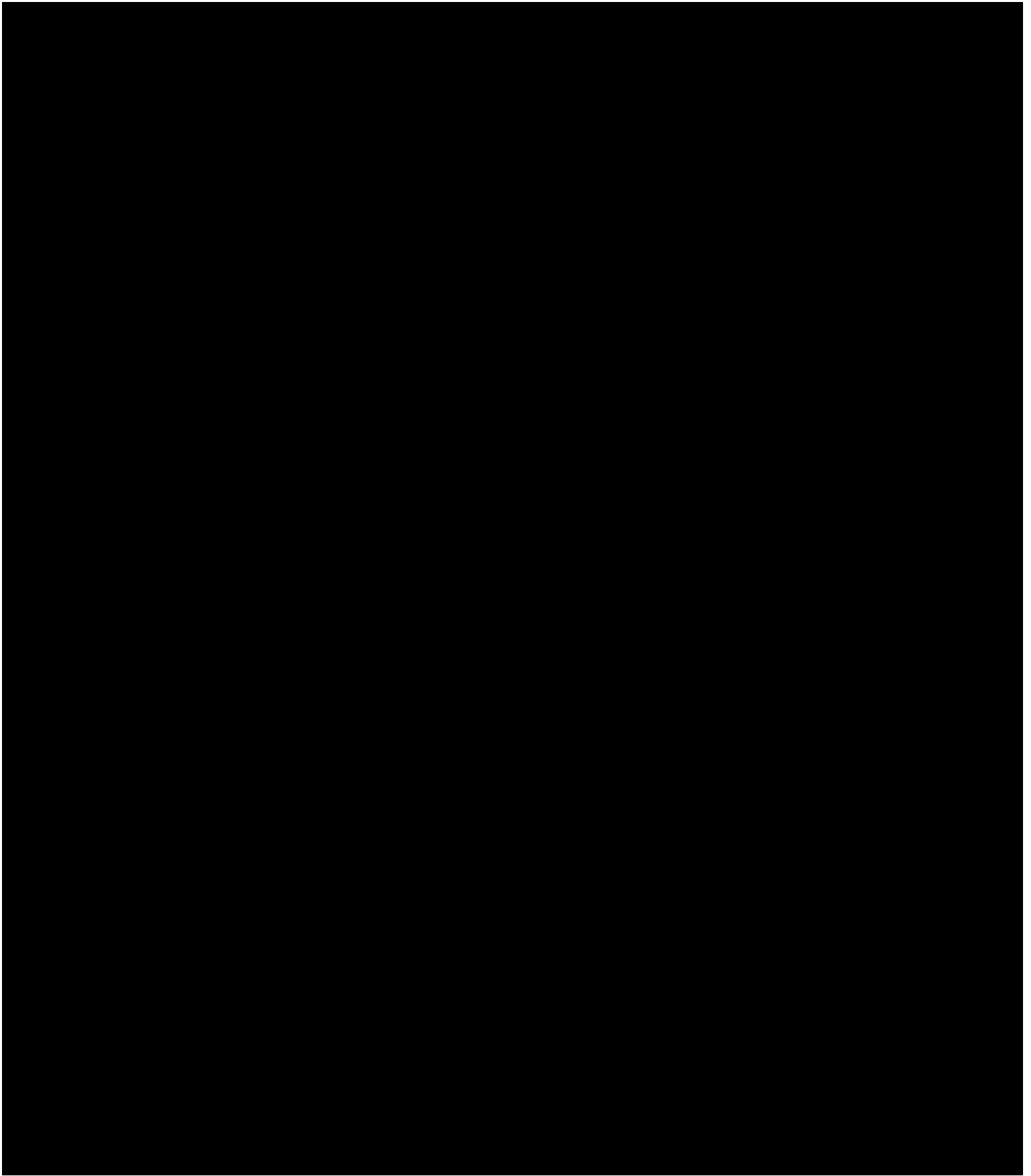
Talk: Seminar summary

Presenter: Teresa Lassak

Presentation: [ppt] [pdf]

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Last modified: *by Matt Fouch*

