

TENTATIVE SCHEDULE FOR RCL-CORTEZ WORKSHOP: January 9-13, 2006

Days 1, 4, and 5 (Field Trip schedule will be presented separately)

In the **evening of January 8** we will have a welcoming reception starting at 5:30 followed by dinner, and an Introductory Session starting at 8:00. The Introduction will include welcoming remarks from Julie Morris (chair of the MARGINS Steering Committee), Federico Graef (Director of CICESE), and Enrique Gómez (Director of the Earth Science Division at CICESE).

In the schedule below, *Speakers'* names are underlined, *Session Chairs* are indicated in parentheses, and *Working Groups* are named after each speaker. Speakers are expected to contact the members of their group (and anyone else) for ideas, slides, and/or data to be used in their talk. Talks should incorporate this input: provide a broad overview and synthesis of important new results and any background as appropriate, represent the ideas and results of group members in addition to those of yourself and coauthors. Group members thus contribute to talks before the workshop, and will contribute to posters, discussions, and Pop-Ups during the workshop. Session Chairs will take notes and lead discussions. Speakers and Session Chairs will coordinate with Working Groups to summarize content and prepare Pop-Ups for Day 5. Please note that the following schedule is tentative and subject to change.

January 8

17:30 – 18:30	Informal reception, cocktails
18:30 – 20:00	Dinner at the hotel
20:00 – 20:30	Intro session
after ~20:30	Informal posters

DAY 1: January 9

7:45 Introductory Remarks

Session 1. Upper Mantle Structure (Jones, Valenzuela)

8:00 – 8:30	<u>Forsyth</u> : Blackman, Castro, Clayton, Gaherty, Jones <i>Upper Mantle of Southwestern U.S. and Western Mexico</i>
8:30 – 9:00	<u>Castro</u> : Clayton, Di Luccio, Obrebski, Valenzuela, Zhang <i>Upper Mantle of the GoC region: results from the NARS-Baja array</i>

Session 2. Regional Kinematics and Microplate Capture (Oskin, Wdowinski)

9:00 – 9:30	<u>Fletcher</u> : Axen, Gans, Grove, Janecke, Oskin, Stock <i>Kinematics of the GoC region: Observations from the Southern Gulf</i>
9:30 – 10:00	<u>Stock</u> : Axen, Fletcher, Gans, Grove, Janecke, Oskin <i>Kinematics of the GoC region: Observations from the N. Gulf and Salton Trough</i>
10:00 – 11:00	Coffee and Posters

Session 3. Crustal and Lithospheric Structure (Gonzalez, Steckler)

- 11:00 – 11:30 Clayton: Forsyth, Gonzalez, Jones, Rebollar, Romo
Lithospheric structure of the GoC – Salton Trough region, NARS-Baja array
- 11:30 – 12:00 Lizarralde: Frez, Gonzales, Harding, Savage, Umhoefer
Crustal-scale structure across conjugate margins
- 12:00 – 12:30** **DISCUSSION**, led by session chairs
- 12:30 – 14:00** **Lunch**

Session 4. Present-day motion: Geodesy and Seismicity (Frez, Rockwell)

- 14:00 – 14:30 Wdowinski: Jacques, Lohman, Outerbridge, Rockwell, Schmalzle, Vetel
Regional Geodesy: overview of present-day plate motion, etc.
- 14:30 – 15:00 Rebollar: Contreras, Frez, McGuire, Seitz, Speltz, Williams
Regional Seismicity: distribution of active faults and earthquakes
- 15:00 – 16:00** **Coffee and Posters**

Session 5. Fault Mechanics and Strain Partitioning (Contreras)

- 16:00 – 16:30 Axen: Black, Housen, Janecke, Spelz, Steckler, Stock
Role of faulting and LANFs in extension, transtension, and strain partitioning
- 16:30 – 17:00 Umhoefer: Aragon, Eakins, Lonsdale, Steckler, Sutherland
Offshore structural record (N and S): summary of results and significance
- 17:00 – 18:00** **DISCUSSION**, led by two session chairs
- 18:00 – 20:00** **Dinner**
- 20:00 – 20:30 Janecke: *Overview of the Salton Trough: faults and basins through time*
- 20:30 – 21:00 Fletcher: *Introduction to Laguna Salada Field Trip*
- 21:00 – 22:00** **Posters**

DAY 4: January 12

- 8:15 Call to order ...

Session 6. Magmatism in the G.E.P. (Glazner, Henry)

- 8:30 – 9:00 Ferrari: Barth, Castillo, Glazner, Hulen, Schmitt, Vidal
Regional magmatism, composition, processes, and lithospheric deformation
- 9:00 – 9:30 Gans: Henry, MacMillan, Martín, Roldan, Stock, Wong
Regional magmatism and its role in Cenozoic evolution of the plate boundary
- 9:30 – 10:30** **Coffee and Posters**

Session 7. Sedimentary Record, Micropaleo, Basins (Dorsey, Martín)

- 10:30 – 11:00 McDougall: Busby, Carreño, Dorsey, Martín, Oskin
Marine Incursion: Implications for crustal thinning and regional strain
- 11:00 – 11:30 Aragon: Brown, Martín, Sutherland, Umhoefer
Seismic stratigraphic record of offshore extension and faulting (N and S)
- 11:30 – 12:30 **DISCUSSION**, led by session chairs
- 12:30 – 14:00 **Lunch**

Session 8. Models of Lithospheric/Upper-mantle Deformation (Huerta, Hopper)

- 14:00 – 14:30 Blackman: Collins, Forsyth, Gaherty, Huisman
Modeling upper-mantle flow and extension: insights from seismic observables
- 14:30 – 15:00 Huisman: Bialas, Blackman, Buck, Hopper, Huerta, Maslov
Modeling crustal extension: insights from geological observables
- 15:00 – 16:00 **Coffee and Posters**

Session 9. Comparison with other rifts and extensional settings (Kent, Holbrook)

- 16:00 – 16:30 Karner: Holbrook, Hopper, Martinez, Tucholke
Other sites: Atlantic, Brazil, Newfy-Iberia, Red Sea ...
- 16:30 – 17:00 Abers: Coakley, Karner, Kent, possibly others
Other sites: Woodlark basin, Walker Lane (?), Lomonosov Ridge (?)
- 17:00 – 18:00 **DISCUSSION**, led by session chairs
- 18:00 – 20:00 **Dinner**
- 20:00 – 22:00 **Posters. Groups prepare Pop-ups for next day** (if not already done)

DAY 5: January 13

- 8:15 Call to order ...
- 8:30 – 10:00 5-minute Pop-Ups for each session. 5 minutes for clarification questions (no discussion). Presented by one representative from each “group of 4”.
- 10:00 – 11:00 **Coffee and Posters**
- 11:00 – 12:30 **Discussion (led by conveners):**
- Summarize knowns and identify links between categories
 - Summarize unknowns and identify links between categories
 - Summarize gaps in knowledge, as compiled during DAYS 1 and 4 ...

12:30 – 14:00 Lunch

14:00 – 15:30 ? Discussion (led by conveners):

- Summarize needs, directions, and opportunities for future work in the Gulf of California – Salton Trough focus site. No binding decisions.

15:30 – 17:00 Compile Results: Conveners keep working, compile consensus of workshop. Input welcome but there will be no substantive changes during this phase.