README

%This is a description of the data files in these two data sets:

http://www.marine-geo.org/tools/search/Files.php?data_set_uid=26175

http://www.marine-geo.org/tools/search/Files.php?data_set_uid=26177

Digital seafloor, basement and layer 2A picks:

1. leg1_age_sf_l2a.mat has the ages (x_age1), seafloor picks in Two-way time (age1_sf) and layer 2A picks in Two-way time (l2a_age1) for leg 1 of profile

2. leg2_age_sf_l2a.mat has the ages (x_age2), seafloor picks in Two-way time (age2_sf), basement picks in Two-way time (age2_bs) and layer 2A picks in Two-way time (l2a_age2) for leg 2 of profile

3. leg3_age_sf_l2a.mat has the ages (x_age3), seafloor picks in Two-way time (age3_sf), basement picks in Two-way time (age3_bs) and layer 2A picks in Two-way time (l2a_age3) for leg 3 of profile

%These have been used in plotting figures 4a and 4b in the main article. Please refer to text in main article for leg1, leg2 and leg3 descriptions.

Processed seismic data showing layer 2A:

4. sq1_stack.segy is the stack section in the oldest part of the profile (62.8 - 75.4 Ma)

5. sq4_stack_l2a_tomo.segy is the stack section from 49.3 - 53 Ma

6. sq7_stack_l2a.segy is the stack section corresponding to 26.7 - 35.1 Ma

7. sq9_stack_l2a.segy is the stack section from 14.7 - 19 Ma

8. sq14_stack_for_jian.segy is the stack section from 4.5 Ma on the South American plate to 7.7 Ma on the African plate

%Please see figure 3 and text for the age ranges of these sections.

Additional stack sections are:

9. sq10_stack_l2a_tomo.segy is the stack section at 11.2 - 14.7 Ma

10. sq11_stack_l2a_tomo.segy is the stack section at 2 - 6 Ma

11. sq5_stack.segy is the stack section at 38.9 - 46.7 Ma

12. sq6_stack.segy is the stack section at 35 - 38.9 Ma

%Note the final velocity models in figure 6 and their associated ray coverage diagrams (S6), residual reduction plot (S7) are being currently used for another study and will be made available later.