**Notes about Structure Spreadsheets for Expedition 375**

Structural observations were made at all sites drilled during Expedition 375. Observations were logged in hard copy on VCDs containing an image of the archive half of the sections of interest, which may also include sketches of features observed. All observations were then logged in DescLogik, along with comments about the features. The DescLogik exports are the most complete listing of structural features described.

As explained in the Methods section, if planar or linear structures were observed, apparent dip measurements were made on two mutually perpendicular surfaces, or on the actual lineated surface as appropriate. (A template calculation spreadsheet is included as supplemental material in Methods.) These orientations were recorded in excel spreadsheets provided here, with minimal identifiers. The spreadsheet calculates the resulting orientation of the structure in the core face reference frame. These final orientations were also entered back into DescLogik. If the feature identifier is highlighted in red, there is some question as to its reliability or location, and should be checked against DescLogik or the VCDs. The spreadsheets for Sites U1519, U1520, U1526 also include the DescLogik descriptions for these oriented structures.

In some cases, paleomagnetic reorientations into the geographic reference frame were made, in which case these are also logged within the excel spreadsheets here. Each spreadsheet contains columns to record the coherent interval over which the paleomagnetic vector could be determined, and columns to record the associated inclination and declination, which were used to carry out the reorientation. If no calculations were made, either due to lack of confidence in the data or time constraints, these columns are cleared of data and formulas, or contain dummy entries that cannot be mistaken for reliable orientations. If we had low confidence in the paleomagnetic vector determinations, the calculations were carried out and recorded, but highlighted in red font. For Site U1518, the reorientations were done based on declination data only.

All of the paleomagnetic reorientations must be considered preliminary at this time, because the quality of the section based, shipboard, paleomagnetic measurements was highly variable. As a rule of thumb, reoriented data have a declination uncertainty of ~30°. We provide these tools for future users of these data, who may also be able to refine the structural reorientations.