**Evidence of Dislocation Mixed Climb in Quartz from the Moine and Main Central Thrusts: an Electron Tomography Study**

Raw Data :

Specimen from the MT:

Tilt-series 1:

Tilt-series-1-0001.tif = Alpha (0°), Beta (-14.35°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0001’’.tif = Alpha (0°), Beta (-13.91°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0001’’’’.tif = Alpha (0°), Beta (-13.80°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0002.tif = Alpha (10°), Beta (-14.02°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0002’’.tif = Alpha (10°), Beta (-13.47°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0002’’’’.tif = Alpha (10°), Beta (-13.47°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0003.tif = Alpha (20°), Beta (-13.53°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0003’’.tif = Alpha (20°), Beta (-13.25°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0003’’’’.tif = Alpha (20°), Beta (-13.09°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0004.tif = Alpha (30°), Beta (-13.31°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0004’’.tif = Alpha (30°), Beta (-12.98°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0004’’’’.tif = Alpha (30°), Beta (-12.54°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0005.tif = Alpha (50°), Beta (-12.04°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0005’’.tif = Alpha (50°), Beta (-11.49°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0005’’’’-.tif = Alpha (50°), Beta (-11.27°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0006.tif = Alpha (-10°), Beta (-14.79°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0006’’.tif = Alpha (-10°), Beta (-14.41°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0006’’’’-.tif = Alpha (-10°), Beta (-14.08°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0007.tif = Alpha (-20°), Beta (-15.18°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0007’’.tif = Alpha (-20°), Beta (-14.63°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0007’’’’-.tif = Alpha (-20°), Beta (-14.46°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0008.tif = Alpha (-30°), Beta (-15.51°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0008’’.tif = Alpha (-30°), Beta (-15.07°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0008’’’’.tif = Alpha (-30°), Beta (-14.63°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-1-0009.tif = Alpha (-45.5°), Beta (-16.50°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0009’’.tif = Alpha (-45°), Beta (-15.78°), Magnification (5000), WBDF (g=1-101), binning (4);

Tilt-series-1-0009’’’’.tif = Alpha (-45°), Beta (-15.51°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series 2:

Tilt-series-2-0001.tif = Alpha (0°), Beta (-14.19°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0002.tif = Alpha (10°), Beta (-13.86°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0003.tif = Alpha (20°), Beta (-13.42°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0004.tif = Alpha (35°), Beta (-12.65°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0005.tif = Alpha (-10°), Beta (-14.52°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0006.tif = Alpha (-20°), Beta (-14.74°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0007’.tif = Alpha (-30°), Beta (-15.07°), Magnification (5000), WBBF (g=1-101), binning (1);

Tilt-series-2-0008.tif = Alpha (-45°), Beta (-15.89°), Magnification (5000), WBBF (g=1-101), binning (1);

Specimen from the MT:

Quartz-Andreas-A8-0036 = Alpha (-34.97°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0036’ = Alpha (-34.97°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0037 = Alpha (-30.01°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0038 = Alpha (-25.01°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0039 = Alpha (-20.01°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0040 = Alpha (-20.01°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0041 = Alpha (-15.01°), Beta (-7°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0042 = Alpha (-15.01°), Beta (-7°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0043 = Alpha (-5.01°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0044 = Alpha (-5.01°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0045 = Alpha (-0.01°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0046 = Alpha (-0.01°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0047 = Alpha (4.99°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0048 = Alpha (4.99°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0049 = Alpha (9.99°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0050 = Alpha (9.99°), Beta (-6.82°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0051 = Alpha (14.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0052 = Alpha (14.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0053 = Alpha (19.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0054 = Alpha (19.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0055 = Alpha (24.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0056 = Alpha (24.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0057 = Alpha (29.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0058 = Alpha (29.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0059 = Alpha (34.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0060 = Alpha (34.99°), Beta (-7.86°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0061 = Alpha (39.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0062 = Alpha (39.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0063 = Alpha (44.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0064 = Alpha (44.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0065 = Alpha (49.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0066 = Alpha (49.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0067 = Alpha (54.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0068 = Alpha (54.99°), Beta (-8.30°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0069 = Alpha (59.99°), Beta (-8.80°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0070 = Alpha (59.99°), Beta (-8.80°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0071 = Alpha (65.00°), Beta (-8.80°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0072 = Alpha (65.00°), Beta (-8.80°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0073 = Alpha (69.99°), Beta (-8.80°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0074 = Alpha (-39.97°), Beta (-6.32°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0075 = Alpha (-39.97°), Beta (-6.32°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0076 = Alpha (-44.97°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0077 = Alpha (-44.97°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4), with precession (0.2°);

Quartz-Andreas-A8-0078 = Alpha (-49.96°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4);

Quartz-Andreas-A8-0079 = Alpha (-54.98°), Beta (-4.78°), Magnification (1700), WBDF (g=11-22), binning (4).