



Figure A1. Phase-shift interferometry. (a) Phase-shift interferometer set up and sample cell, top and side view. (b) Example phase image from the (010) surface. Insert shows the height profile along the yellow line as calculated from the interference fringes. (c) Time-space diagram of the yellow horizontal line in (b). (d) Change in height plotted against time for surface points, where the point for E is represented by the vertical yellow line in (d).