Figure 1: Visualisation of the Oil data with (a) PCA (a linear GP-LVM) and (b) A GP-LVM which uses an RBF kernel, (c) Non-metric MDS using Kruskal’s stress, (d) Metric MDS using the ‘Sammon Mapping’, (e) GTM and (f) kernel PCA. Red crosses, green circles and blue plus signs represent stratified, annular and homogeneous flows respectively. The greyscales in plot (b) indicate the precision with which the manifold was expressed in data-space for that latent point.