Folder name, **Data arranged in Excel** contains contains MFile 1, MFile 2, MFile 3, 3KClaveraged, KCl 1\_10 which are explained below.

MFile 1 🡪 All the membrane potential data for KCl, K2SO4 and LiCl salts for sample 1.

MFile 2 🡪 KCl data for sample 2

MFile 3 🡪 KCl data for sample 3

3KClaveraged 🡪 3 sample set data averaged

KCl 1\_10 🡪 KCl membrane potential with 1:10 ration between high to low concentration reservoir

**Figure data JPCL** 🡪 all the data plotted in origin which will reproduce the figures in the JPCL paper. Arranged according to the figure numbers used in the paper.