# The impact of co-feeding carbon dioxide in Fischer-Tropsch-to-Olefin catalysis: an inelastic neutron scattering study – Dataset

The following files are included in the dataset for the article titles “*The impact of co-feeding carbon dioxide in Fischer-Tropsch-to-Olefin catalysis: an inelastic neutron scattering study*”

* FT\_CO2\_12h MS reaction profile.opju
* FTO4\_Quantifiedcarbon.opju
* FTO4\_Stacked TPO profile.opju
* FTO4\_TPO data.xlsx
* FTS21\_ex situ TPO 3hrs.opju
* FTS22\_ex situ TPO 6hrs.opju
* FTS23\_ex situ TPO 12hrs.opju
* FTS50\_ex situ TPO\_24h.opju
* LR Reaction profile 10mg S\_No CO2.opju
* RB1820113\_FTCO2\_INS.opju

These files can be opened using the graphing software OriginPro Software (2018).

**Abbreviations used:**

FTS – Fischer Tropsch Synthesis

FTO – Fischer Tropsch to Olefins

INS – Inelastic Neutron Scattering

MS – Mass spectrometer

TPO – Temperature Programmed Oxidation

PPM – parts per million

LR – Long run