Single Particle Data for the work entitled:

Single molecule microscopy reveals key physical features of repair foci in living cells.

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The data are organized as described below:

1\_Rad52-Halo noDSB S-G2 cells

2\_Rad52-Halo noDSB G1cells

3\_Rad52\_Halo\_1 I-SceI DSB\_

4\_Rad52\_Halo2\_2 I-SceI DSBs\_2h

5\_Rad52-Halo Diploid 1 ISceI DSB\_2h

6\_Rad52-mMaple Whole Rad52 focus 1DSB\_2h

7\_Rad52-mMaple Whole Rad52 focus 2DSBs\_2h

8\_Rfa1\_Halo\_1ISceI DSB\_2h

9\_Rad52\_Halo\_SUMO\_1ISceI DSB\_2h

10\_Characterization of JF646 photo-bleaching

Each folder contains .trxyt file. Each .trxyt contains the traces of single molecules measured inside a single cell. Each line of hte file is a detection, where column 1 the trace identity, column 2 is the x position (in m), column 3 is the y position (in m) and column 4 is the time of the detection (in second).

More information is available from the corresponding authors upon request.