**Description of the excel files**

**Map A**

Total number of data points (columns): 193

Points sorted in order of acceptance (first to last)

\* The lines following "Begin data" contain (one column per data point)

1. the point number (order of collection);
2. the labels of the roving/reference/Signal 1/Signal 2/Signal 3 traces;
3. the Local Activation Time (LAT) detected on the reference trace (measured in samples from the beginning of the data interval);
4. the end time of the traces (in sec);
5. the end frame index (not used the LAT detected on the reference trace (in sec);
6. the LAT detected on the roving trace (in sec);
7. the peak-to-peak and peak negative voltages of the roving trace (in mV);
8. CFE mean and CFE standard deviation measures (in msec);
9. the x/y/z coordinates of the roving electrode;
10. the x/y/z coordinates of the roving electrode projected onto the map surface;
11. the cycle length of the roving trace (in msec);
12. a flag for whether it was displayed on the map;
13. a flag for whether it was used to compute the map;
14. the detection algorithm code and parameter for the roving trace;
15. the detection algorithm code and parameter for the reference trace;
16. and the low voltage ID (in mV).

\* Following these lines are 6 lines of single entry field for wave data:

1. the segment data length (in msec);
2. the exported data length (in msec);
3. the data sample rate (in Hz);
4. and 3 CFE algorithm parameters of peak-to-peak sensitivity (in mV)

\* Following these lines are 5 blocks of wave data.

1. The blocks each contain a blank line;
2. trace labels for each data point;
3. and the all points for the roving trace and points for the reference/Signal 1/Signal 2/Signal 3 traces (if present) respectively.

\* Following these lines is a section labeled "FFT spectrum is available for FFT maps only" which contains (one column per data point)

1. the labels of the CFE detection roving trace;
2. the CFE detection count;
3. and the CFE detection sample index;