

Supplemental Table 1. The acquisition scheme for NEMA count rate measurement.

Frame	Start time (second)	Scan duration (seconds)	Frame	Start time (second)	Scan duration (seconds)
1	0	30	18	9480	60
2	600	30	19	10200	60
3	1200	30	20	10920	60
4	1800	30	21	11640	80
5	2400	30	22	12620	80
6	3000	30	23	13600	80
7	3600	40	24	14580	80
8	3960	40	25	15560	80
9	4320	40	26	16540	120
10	4680	40	27	17860	120
11	5040	50	28	19180	120
12	5640	50	29	20500	120
13	6240	50	30	21820	240
14	6840	50	31	25060	240
15	7440	50	32	28300	240
16	8040	60	33	31540	240
17	8760	60	34	34780	240