

Time	Experimental Sequence
-120 min	Photoelectrodes are placed in PEC cell set-up, capsule is closed with cover
-105 min	Capsule is transported into drop tower, attachment to catapult
-90 min	Start of drop tube evacuation
-12 min	Evacuation is stopped, removal of power supply to capsule, catapult pulls capsule onto start position
0	Start programmed drop sequence
-0.31 s	Cameras turn on, samples are immersed into electrolyte
-0.01 s	Lights turn on
0 s	Capsule is released from catapult, microgravity environment enabled
0.02 s	Potentiostats turn on
	Experiment starts
9.32 s	Capsule decelerates in container, microgravity environment disabled
11.32 s	Experiment stops ; lights turn off
12.32 s	Samples are removed from electrolyte
19.32 s	Potentiostats and cameras turn off, programmed drop sequence stops
15 min	Capsule is lifted up from deceleration container
20 min	Capsule cover is removed, sample is no longer under argon; capsule is transported back to docking station where instruments are connected again to power supply
25 min	Samples are rinsed with MiliQ water, dried under nitrogen and transferred into the glove box for temporary storage