

Parameter values													
Experiment	$E^0\mu$ (V)	$E^0\sigma$ (V)	$k_0(s^{-1})$	Ru ( $\Omega$ )	$C_{dl}$ (F)	$C_{dlE1}$	$C_{dlE2}$	$\Gamma(mol\ cm^{-2})$	$\omega$ (Hz)	Capacitance phase (rads)	Phase (rads)	$\alpha$	Error ( $\mu A$ )
Scan 2	0.238	0.012	127.319	866.559	7.735E-5	2.101E-3	-3.314E-4	7.923E-11	8.941	4.449	5.121	0.6	1.462
Scan 3	0.234	0.035	125.242	630.077	7.694E-5	3.210E-3	-4.263E-4	7.477E-11	8.94	4.384	5.028	0.6	0.952
Scan 4	0.234	0.033	127.844	663.173	7.654E-5	2.815E-3	-4.007E-4	7.511E-11	8.94	4.395	5.041	0.6	0.989
Scan 5	0.234	0.031	125.325	682.361	7.633E-5	2.528E-3	-3.894E-4	7.525E-11	8.941	4.399	5.05	0.595	0.995
Scan 6	0.233	0.037	131.652	607.078	7.621E-5	2.692E-3	-4.112E-4	7.377E-11	8.94	4.378	5.013	0.6	0.89
Scan 7	0.227	0.044	133.37	547.16	7.590E-5	3.575E-3	-4.639E-4	7.237E-11	8.94	4.349	4.983	0.6	0.989
Scan 8	0.231	0.041	135.459	560.394	7.612E-5	2.603E-3	-4.212E-4	7.267E-11	8.94	4.366	4.991	0.6	0.829
Scan 9	0.231	0.041	135.636	552.78	7.589E-5	2.675E-3	-4.255E-4	7.217E-11	8.94	4.362	4.986	0.6	0.823
Scan 10	0.226	0.045	137.312	532.278	7.551E-5	3.220E-3	-4.558E-4	7.149E-11	8.94	4.344	4.972	0.6	0.966