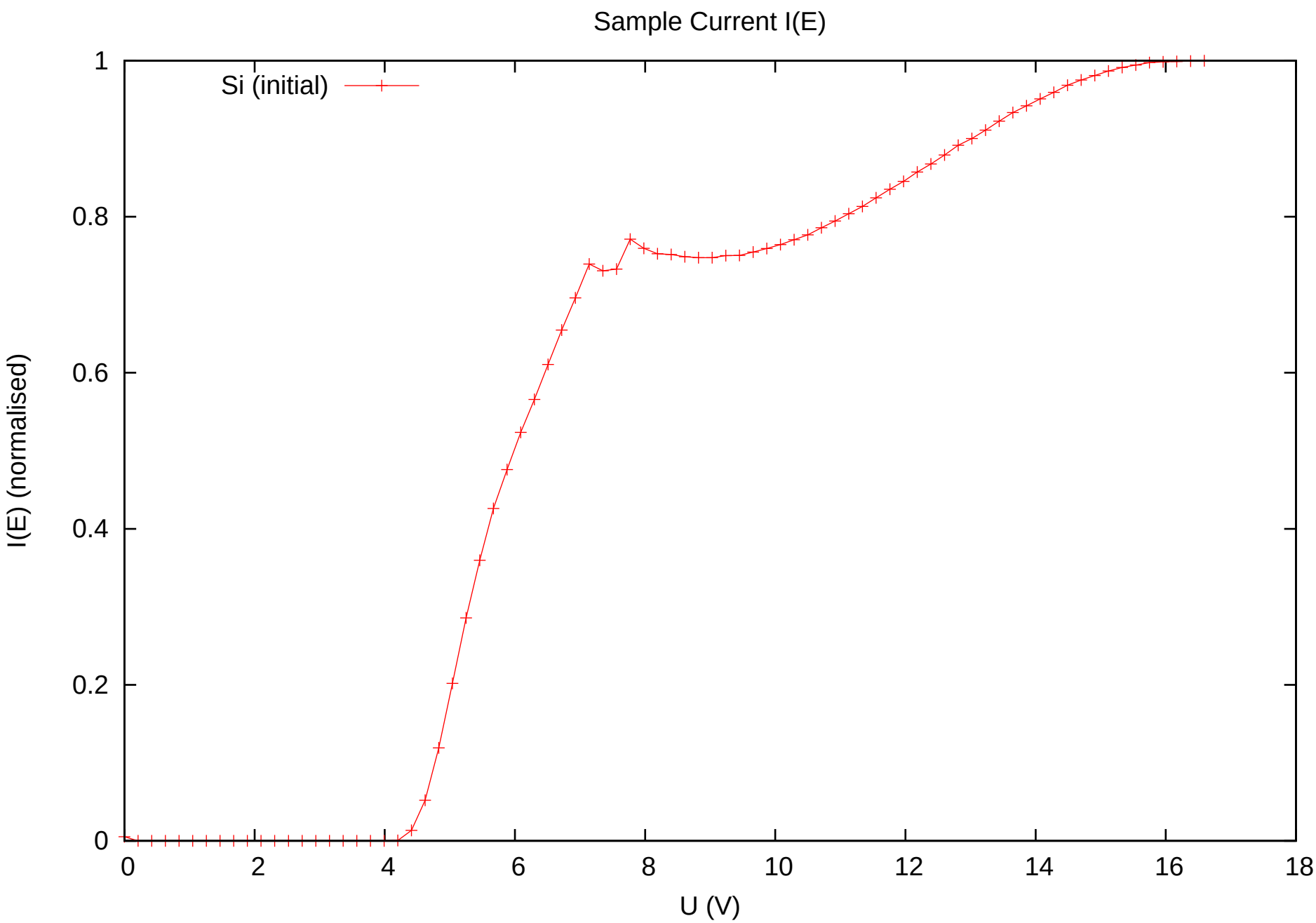
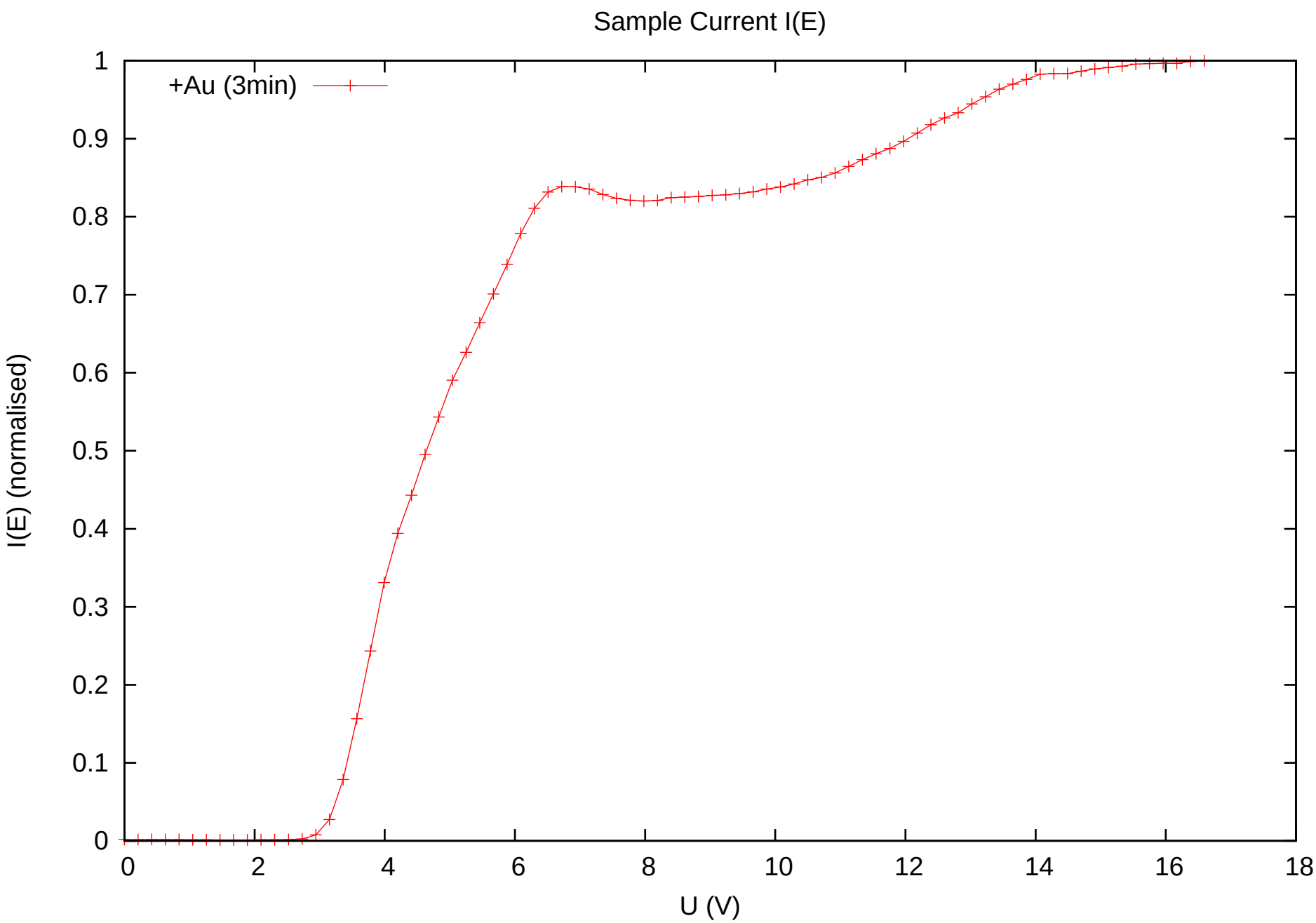
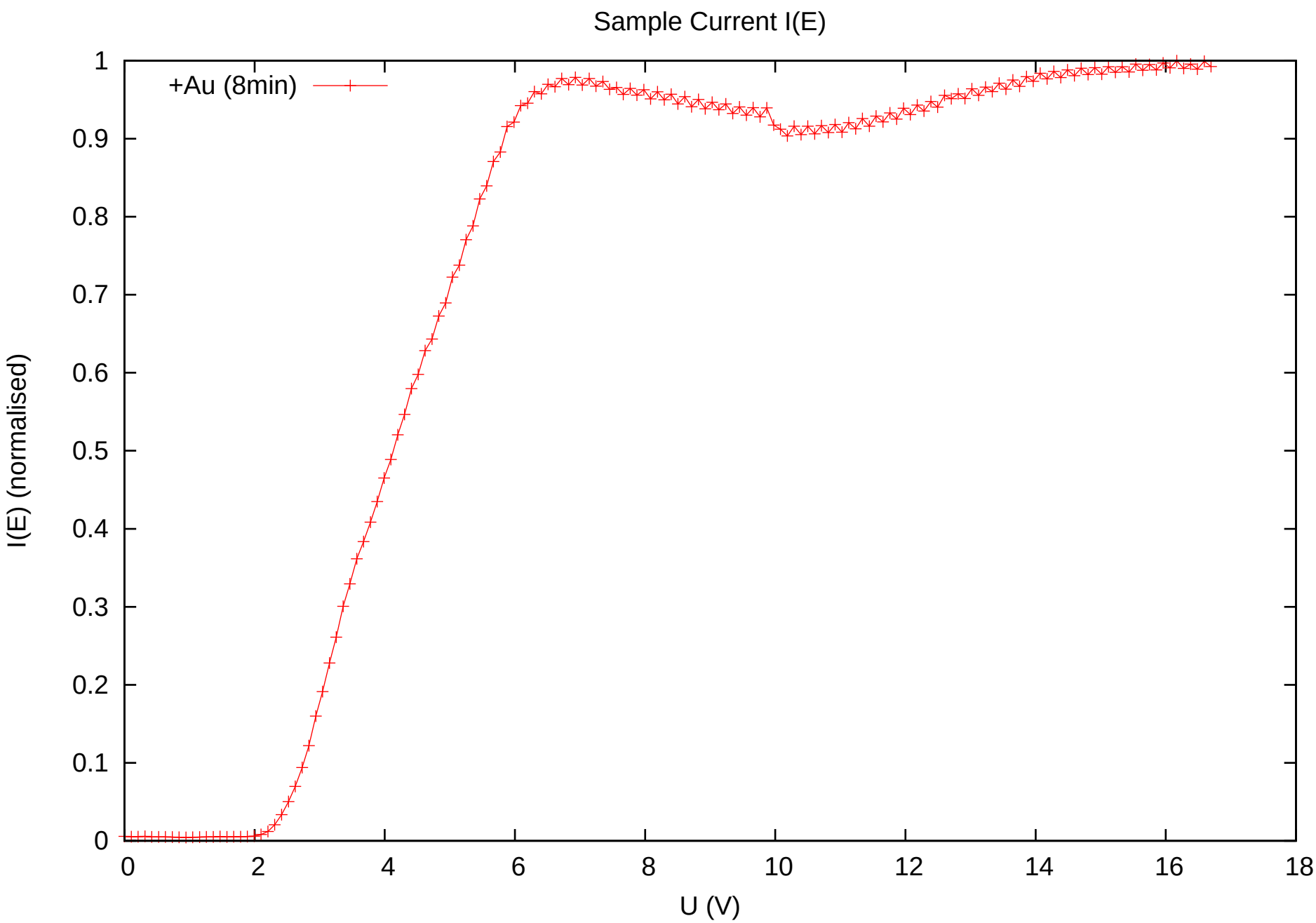
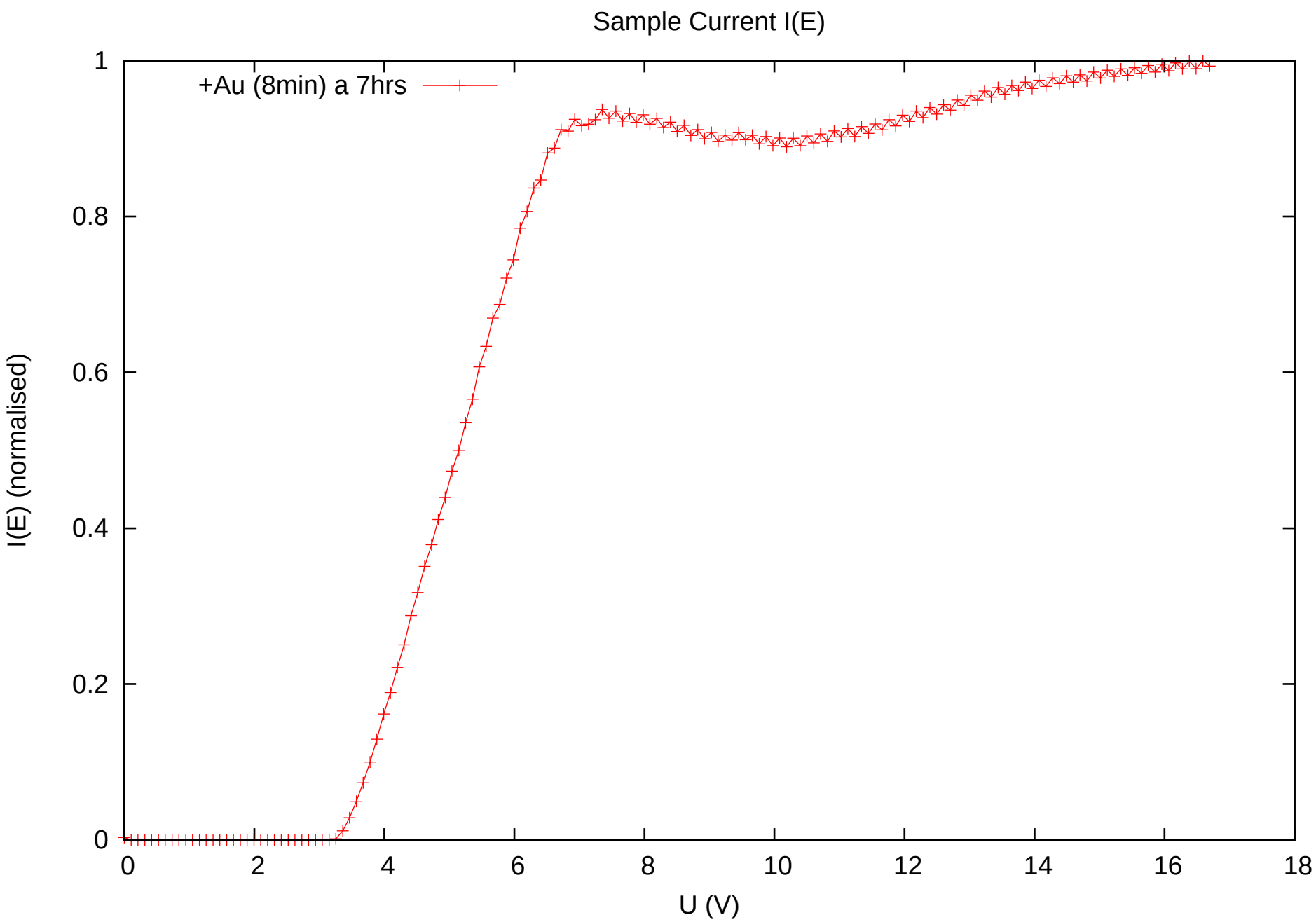
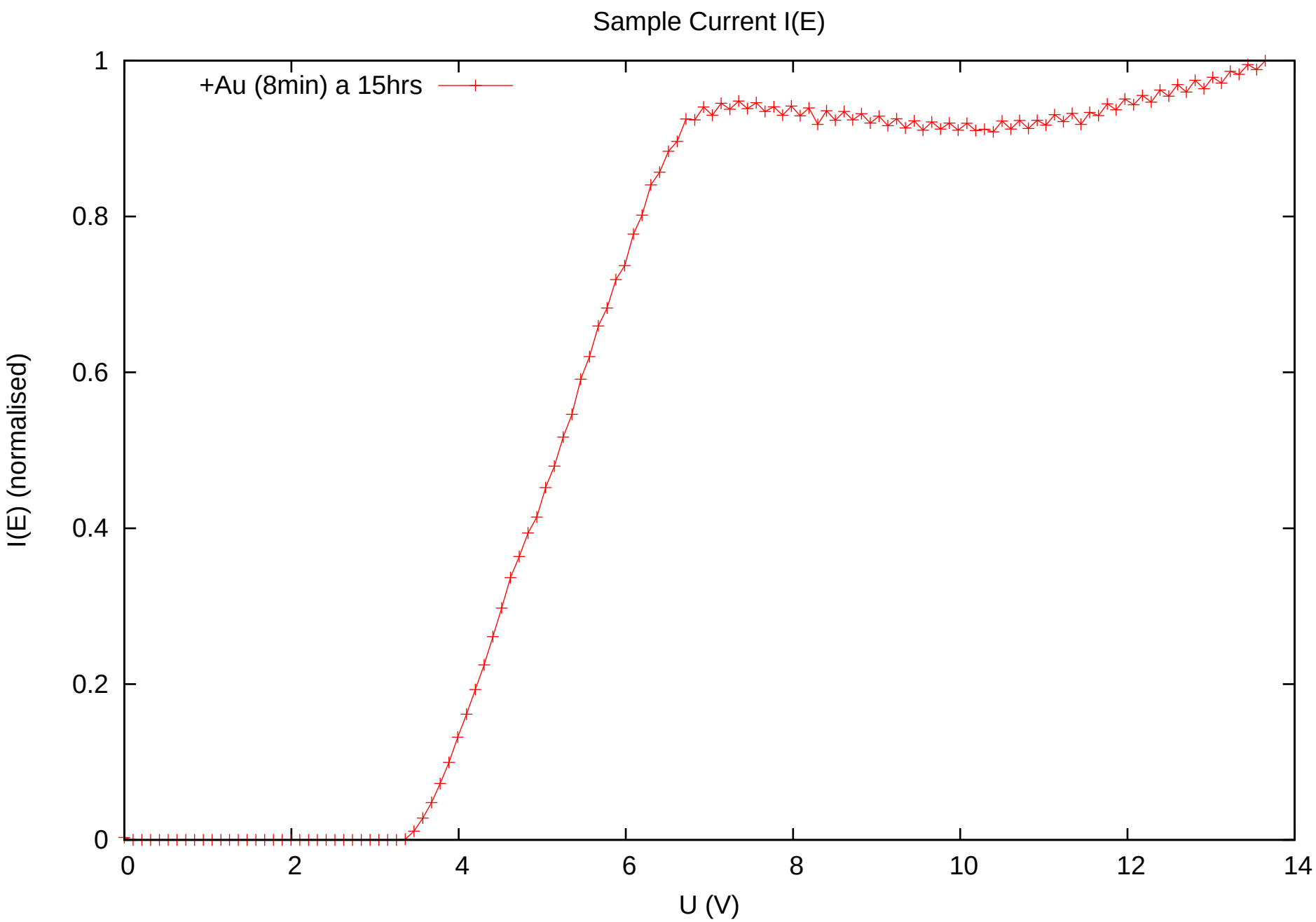
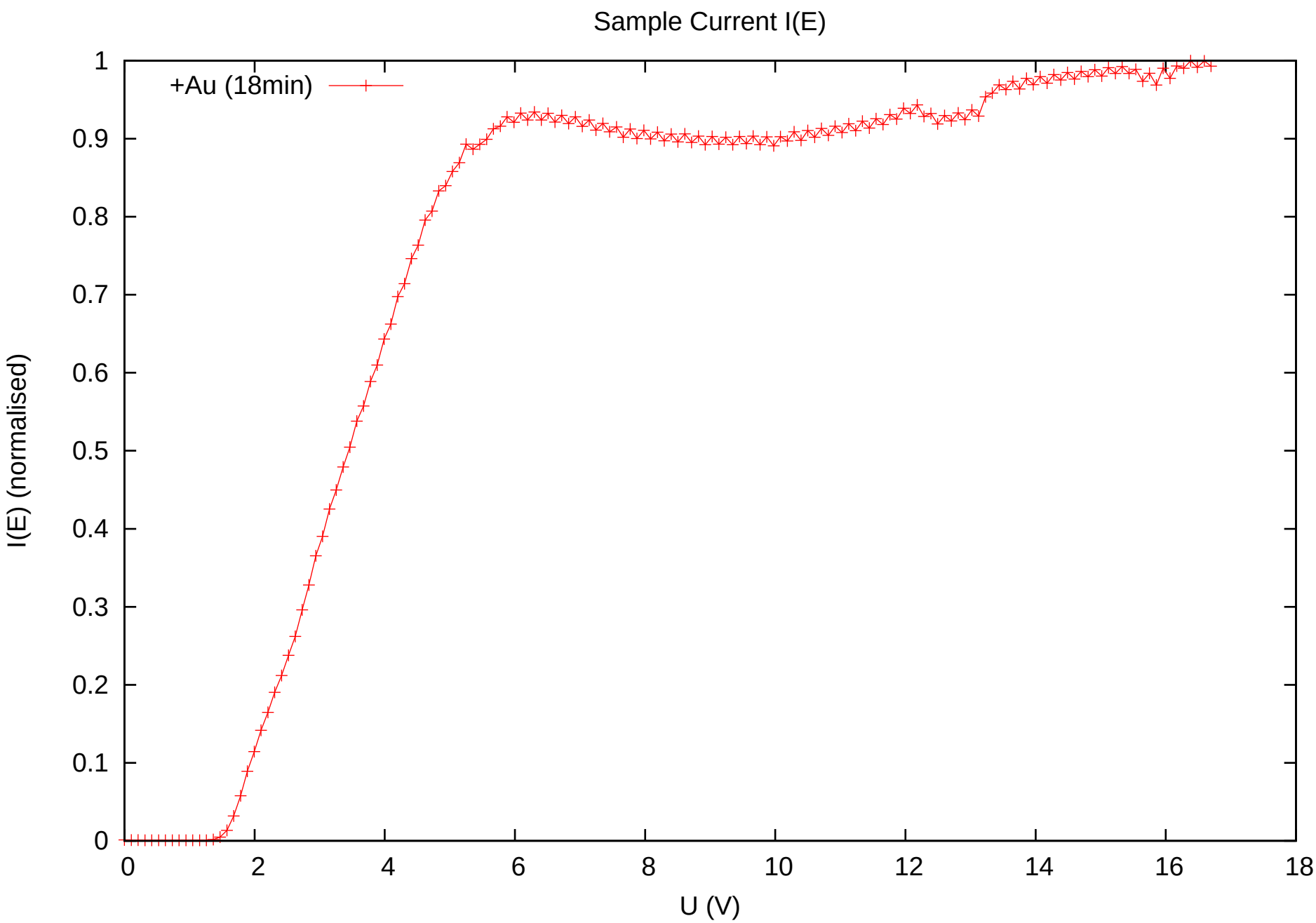

Sample Current I(E)
Si (initial)
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

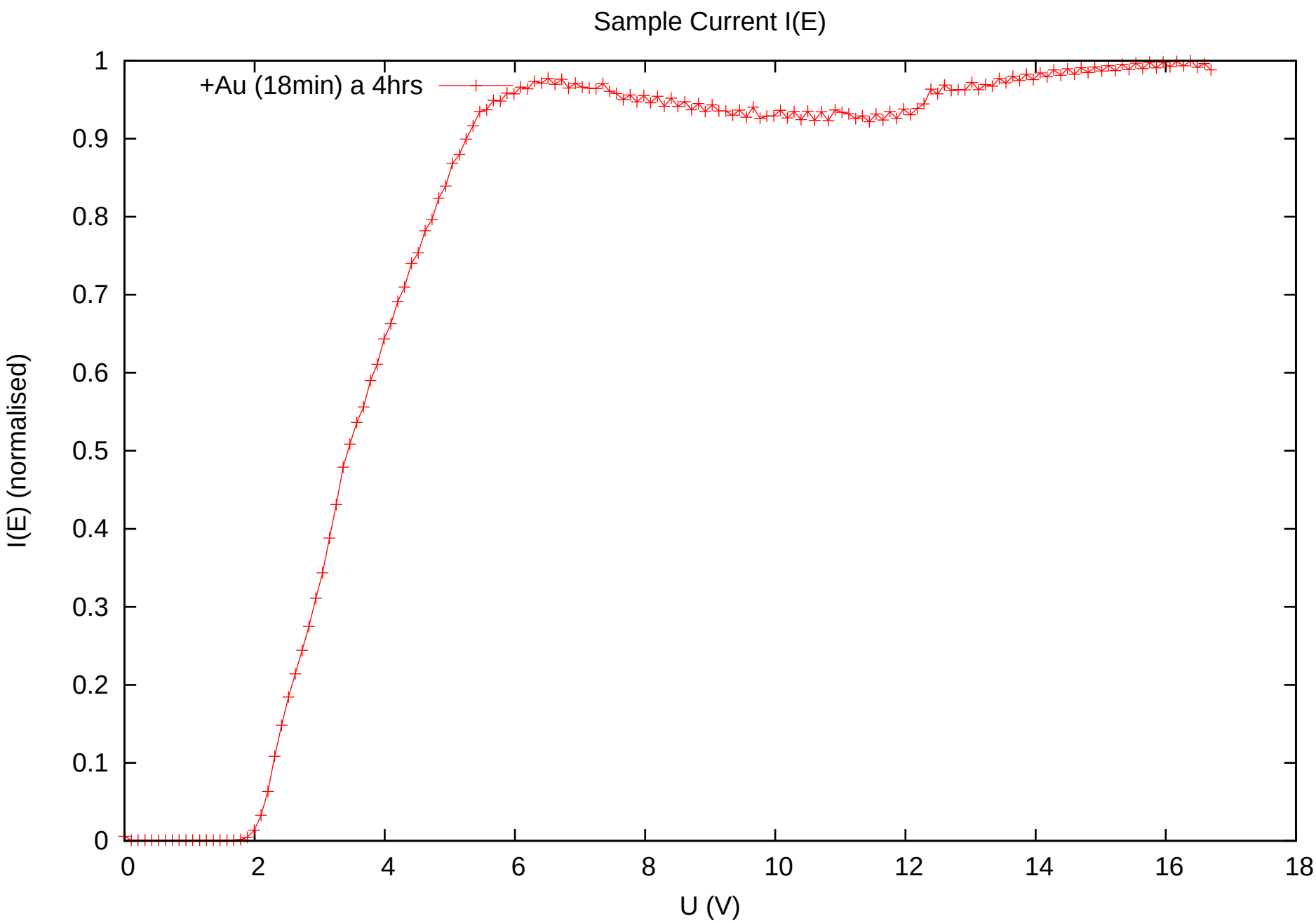

Sample Current I(E)
+Au (3min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

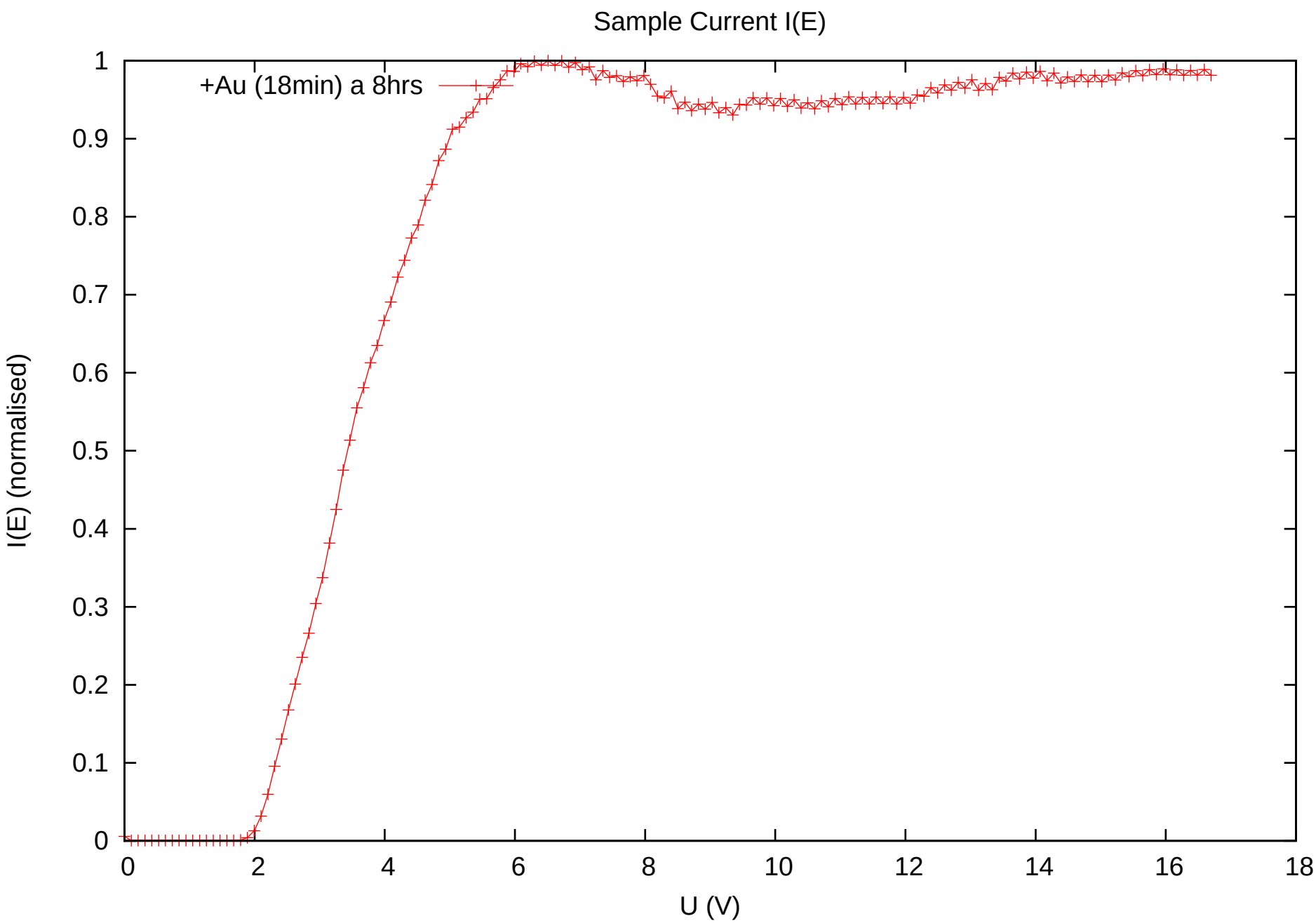

Sample Current I(E)
+Au (8min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

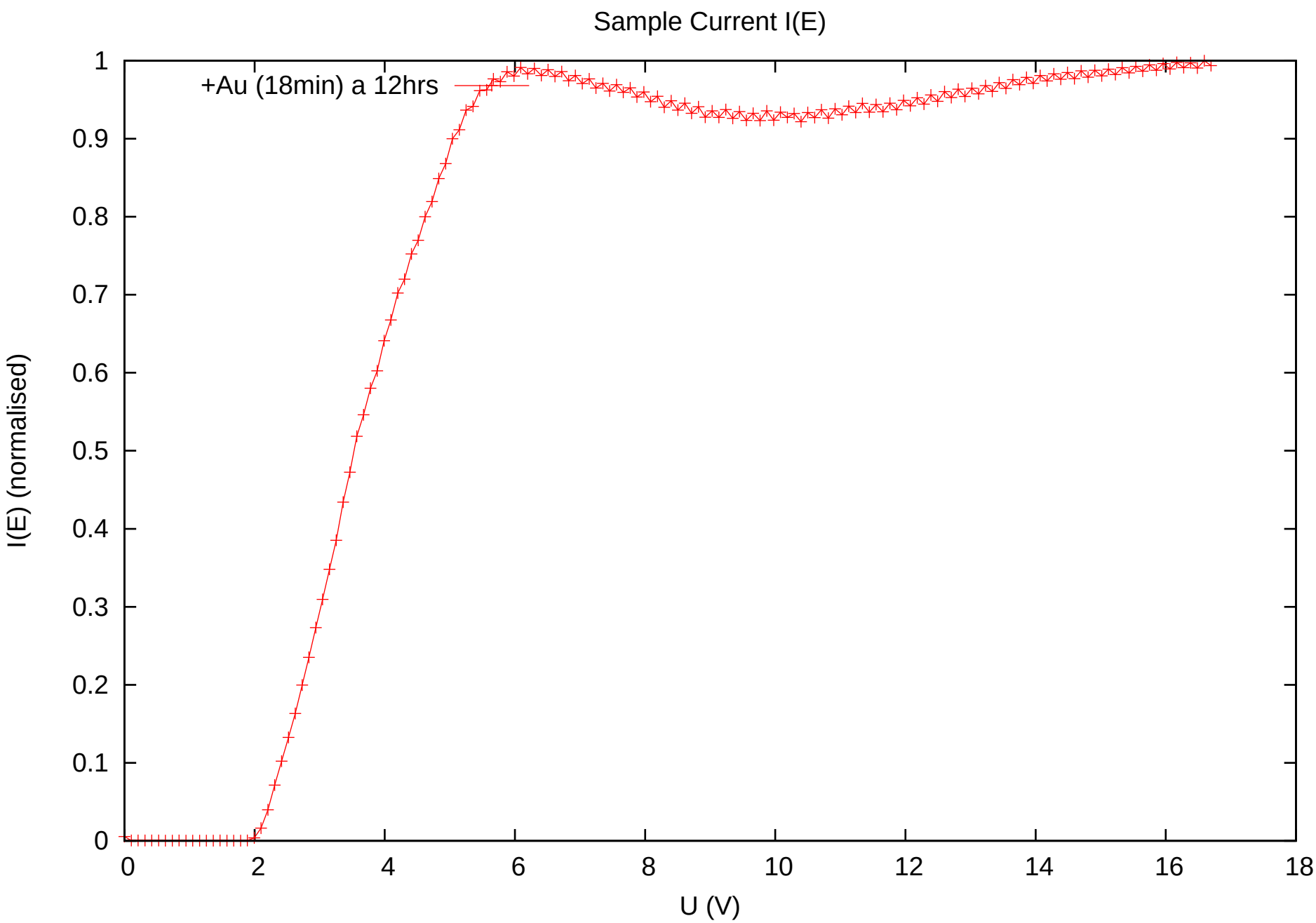

Sample Current I(E)
+Au (8min) a 7hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

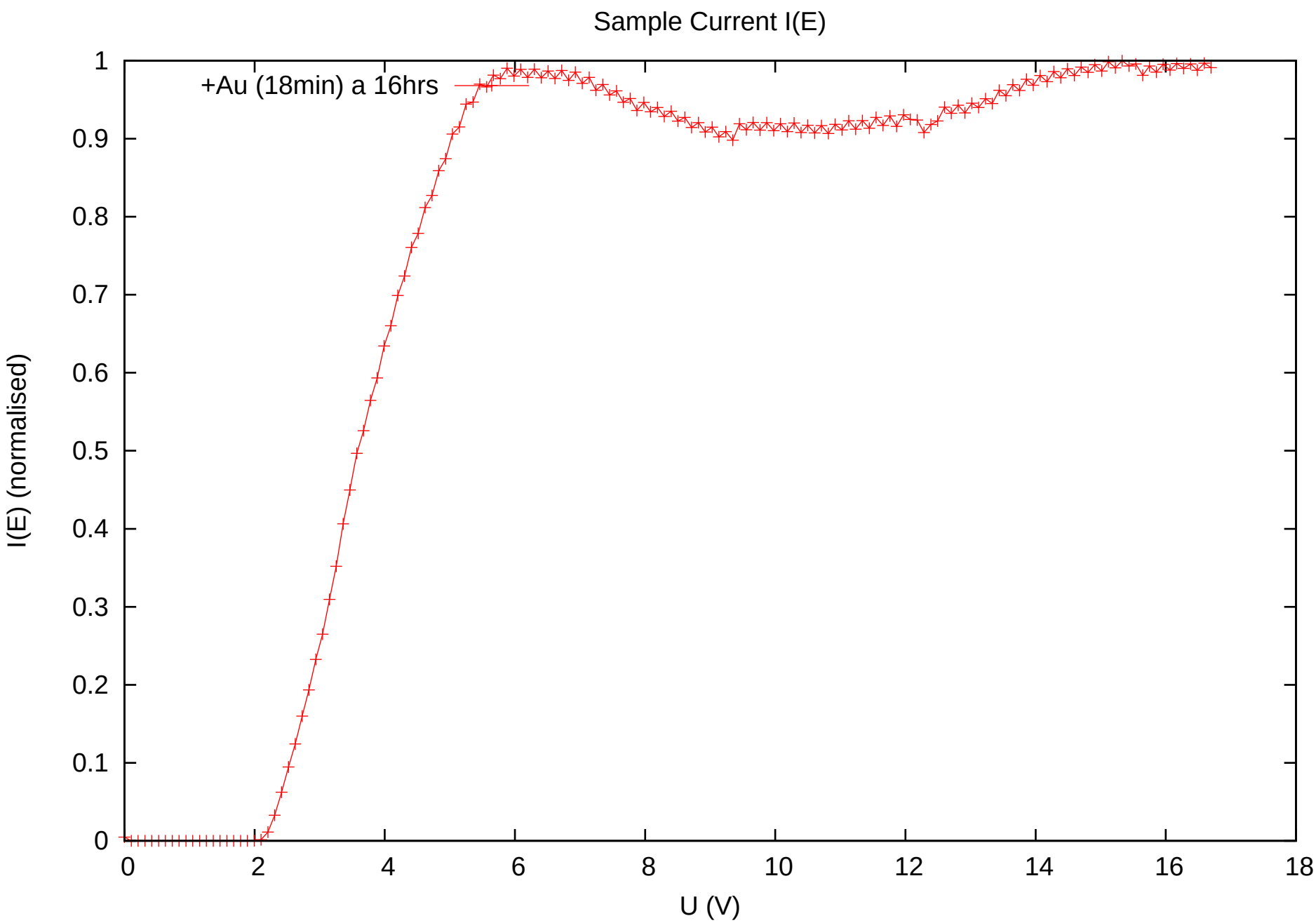

Sample Current I(E)
+Au (8min) a 15hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14

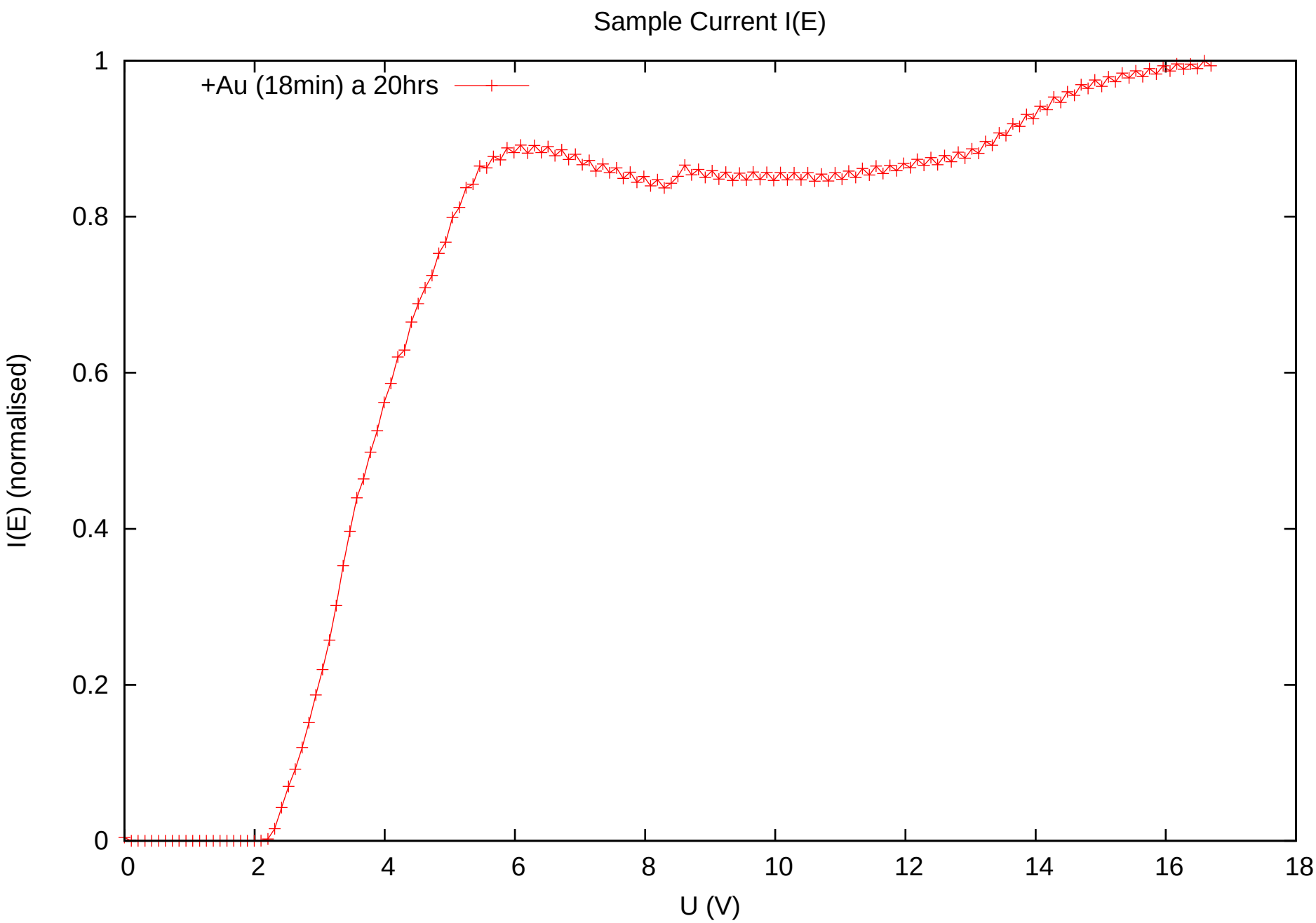

Sample Current I(E)
+Au (18min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

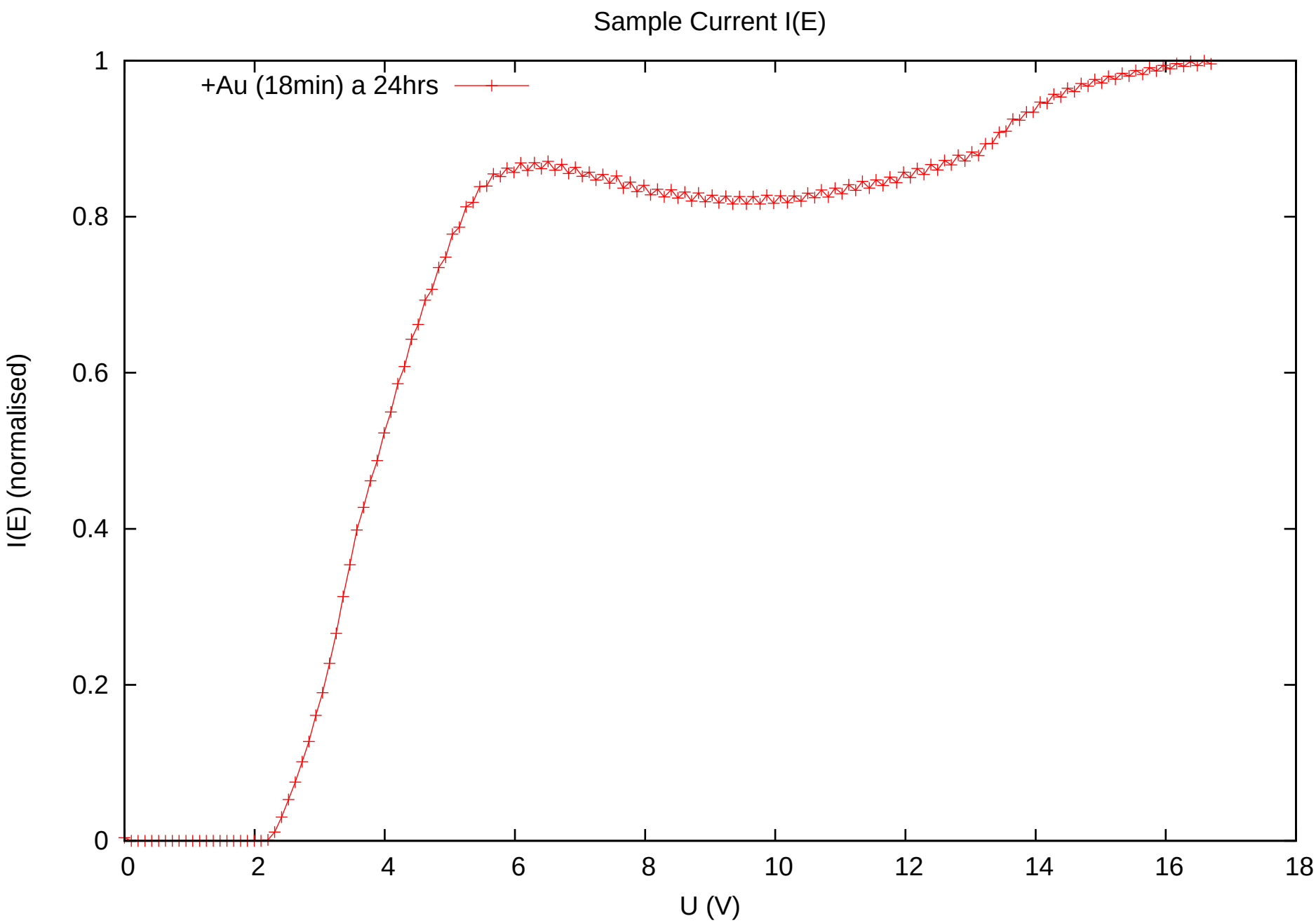

Sample Current I(E)
+Au (18min) a 4hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

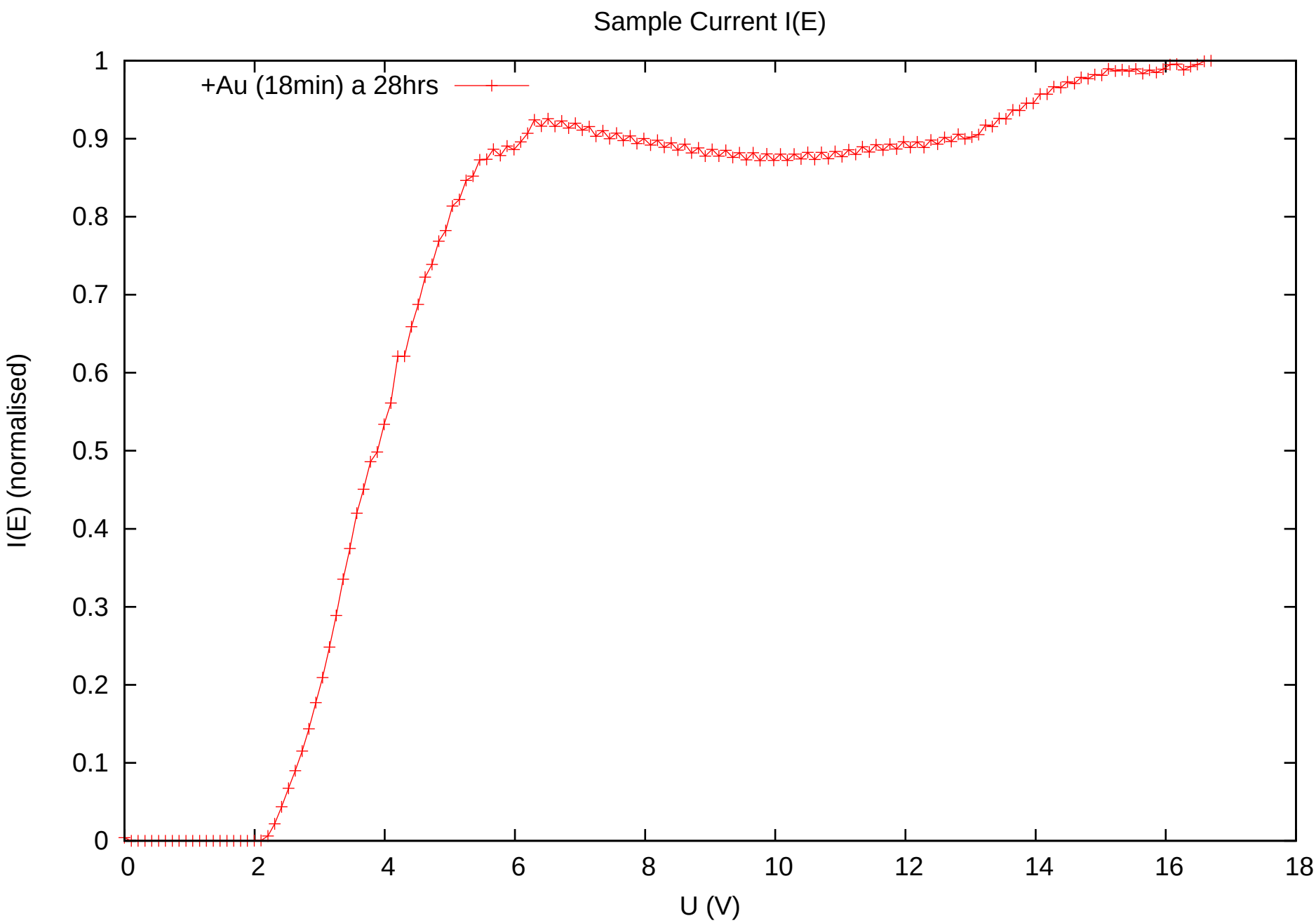

Sample Current I(E)
+Au (18min) a 8hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

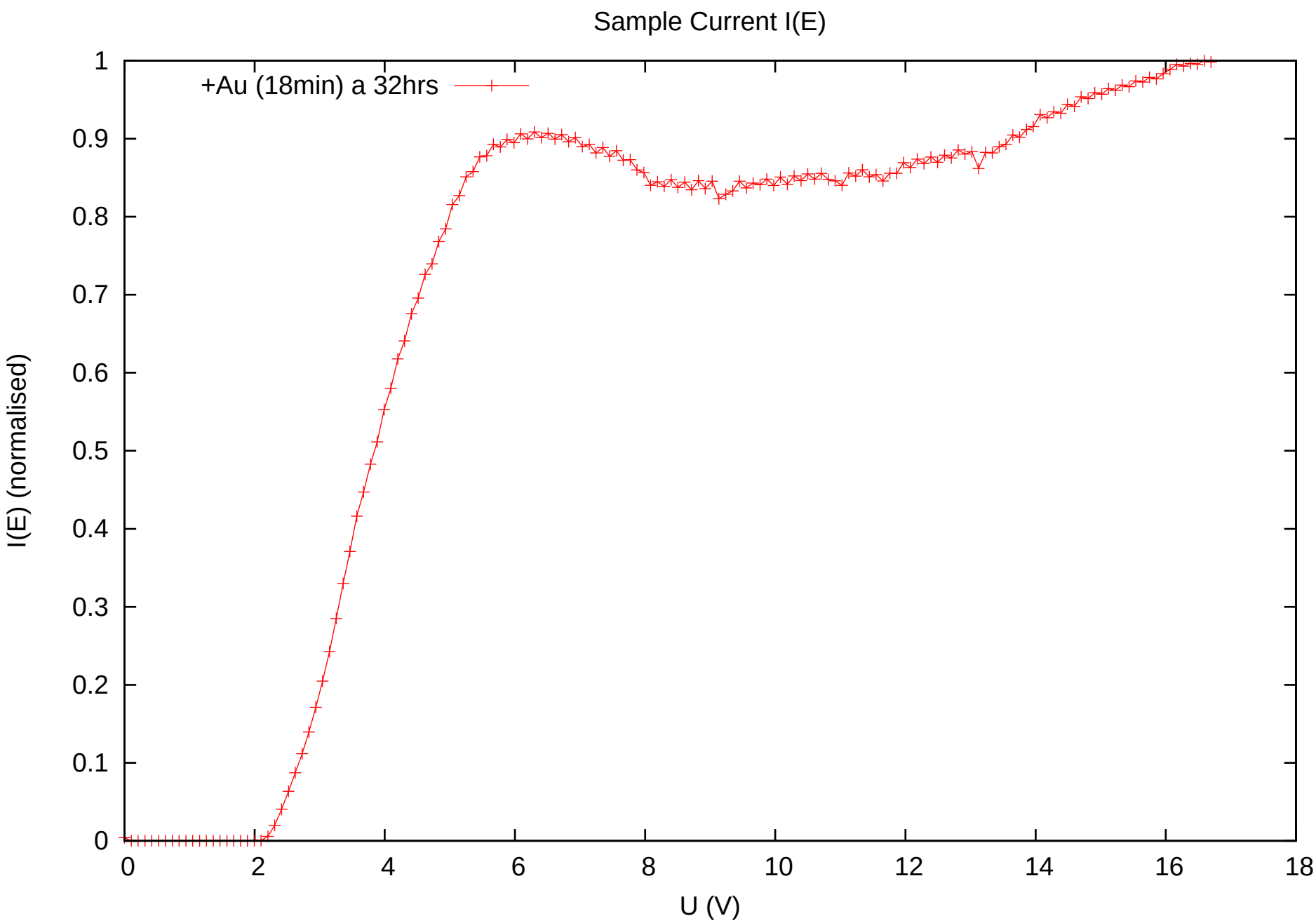

Sample Current I(E)
+Au (18min) a 12hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

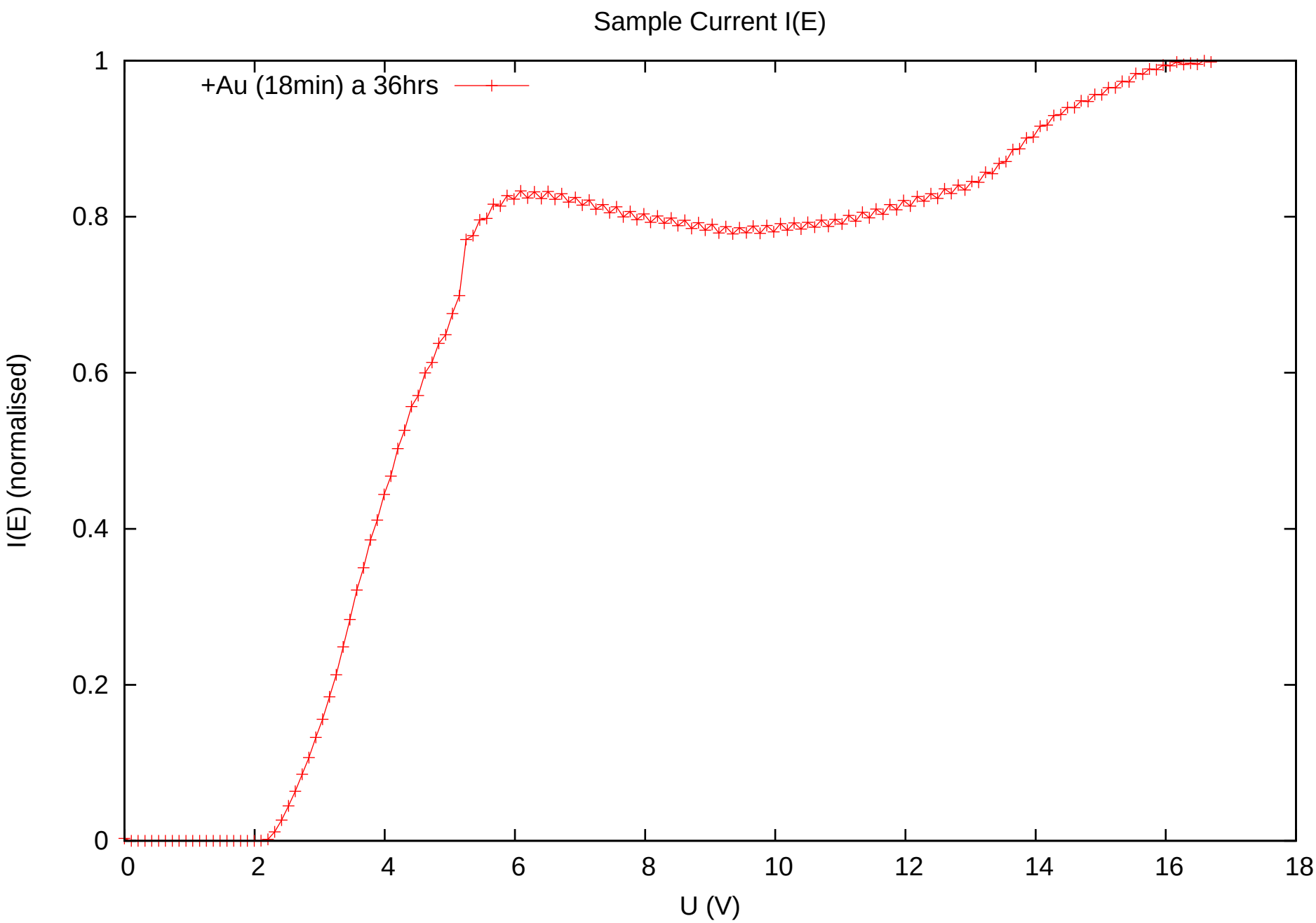

Sample Current I(E)
+Au (18min) a 16hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

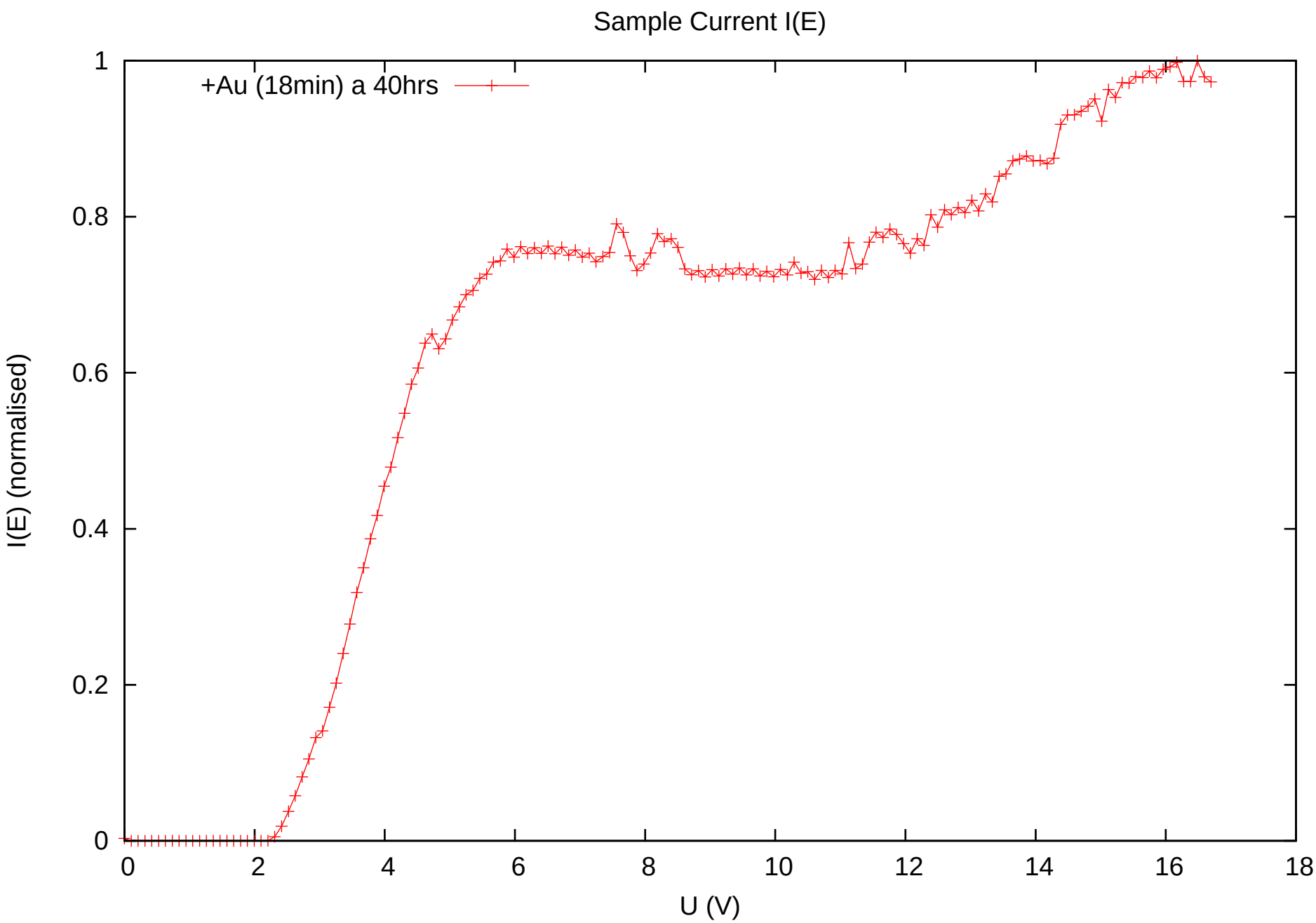

Sample Current I(E)
+Au (18min) a 20hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

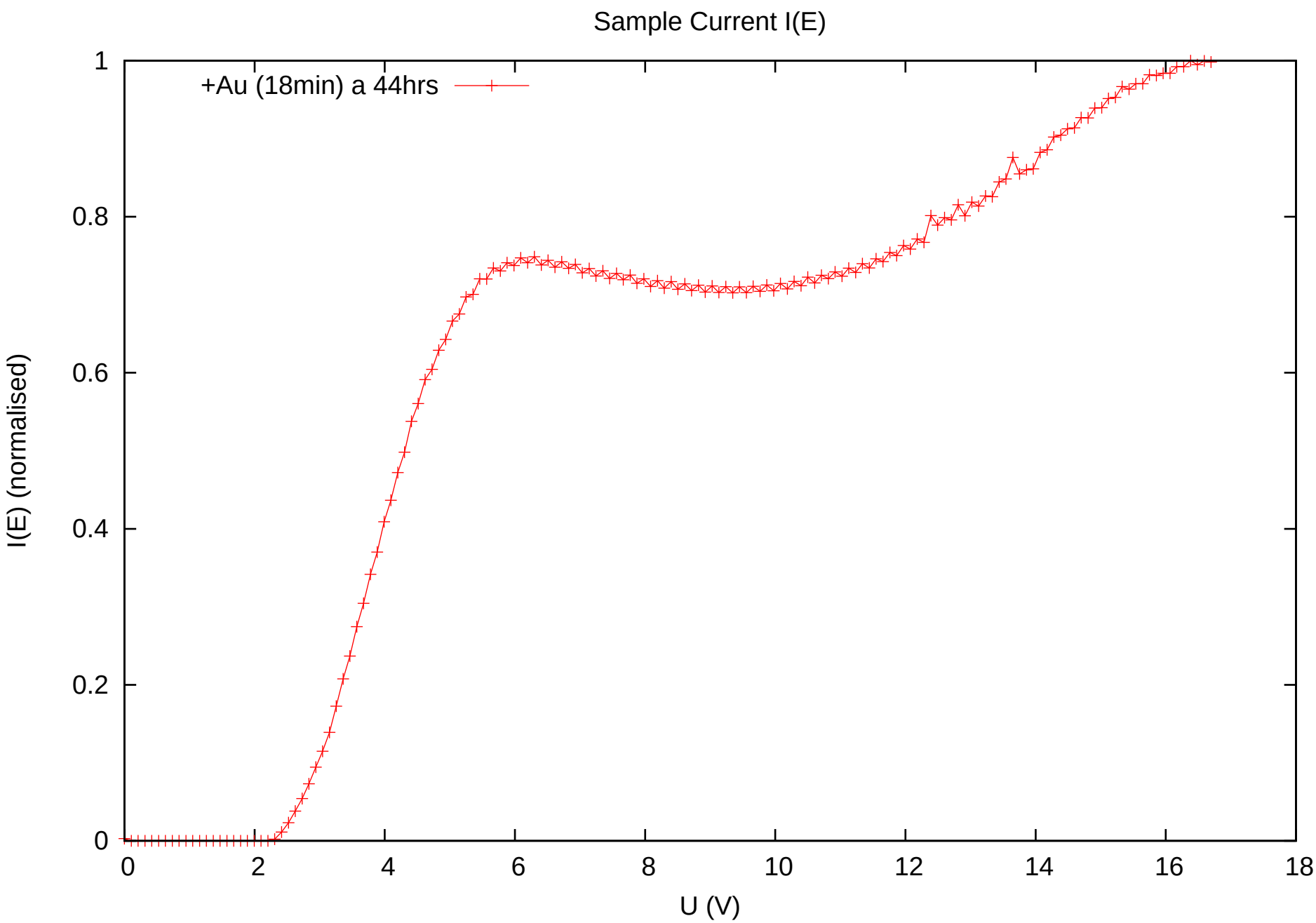

Sample Current I(E)
+Au (18min) a 24hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

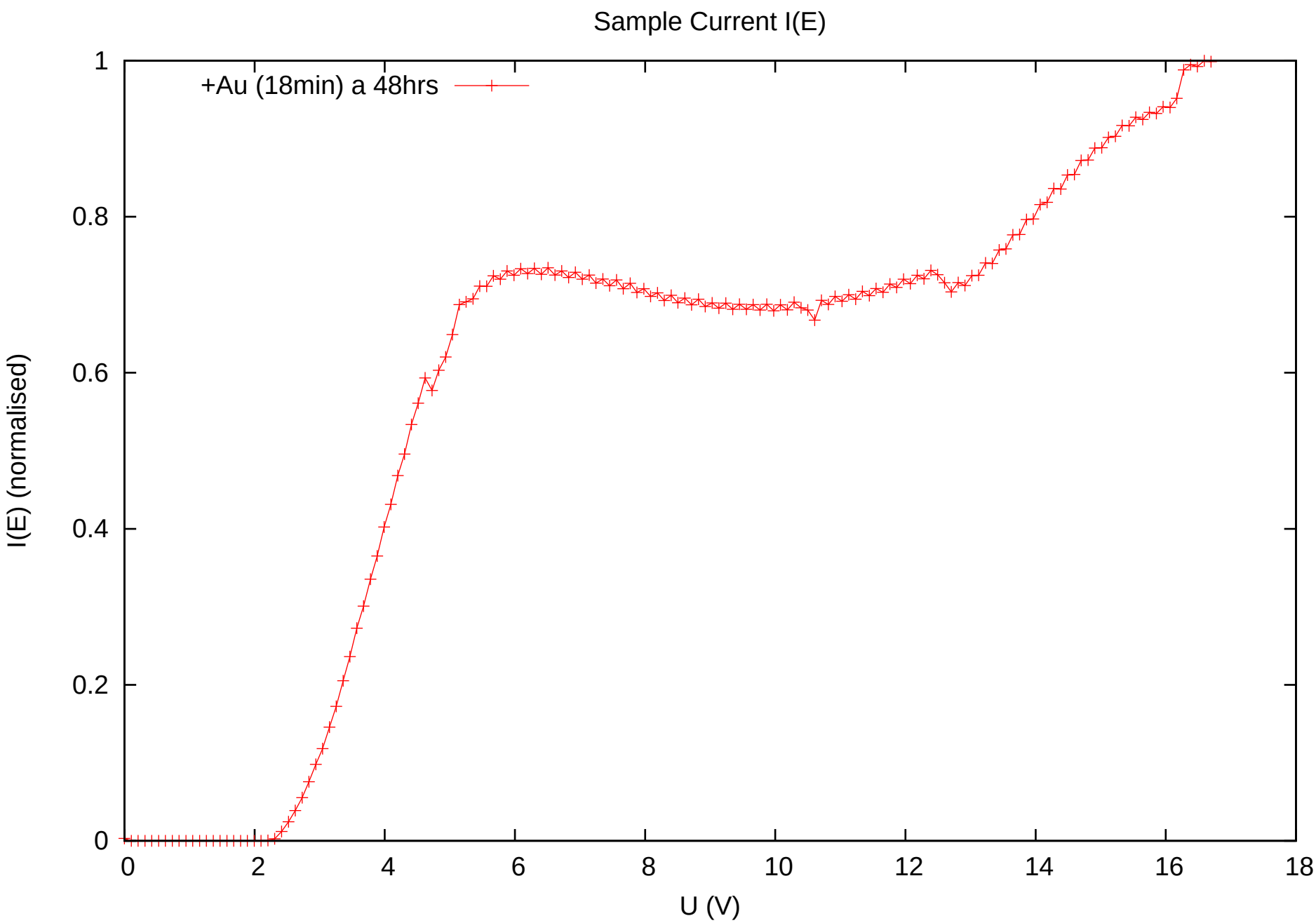

Sample Current I(E)
+Au (18min) a 28hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

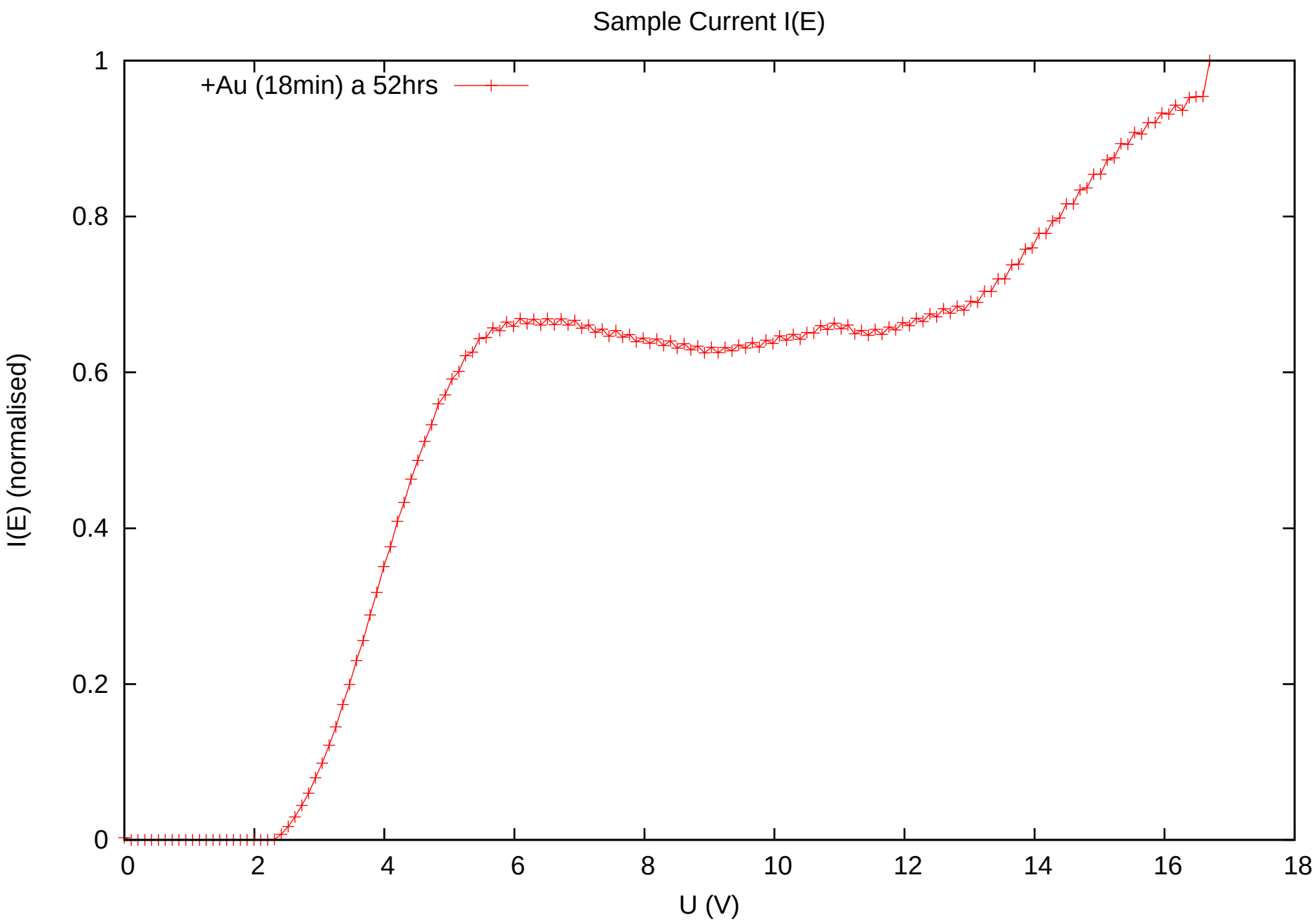

Sample Current I(E)
+Au (18min) a 32hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

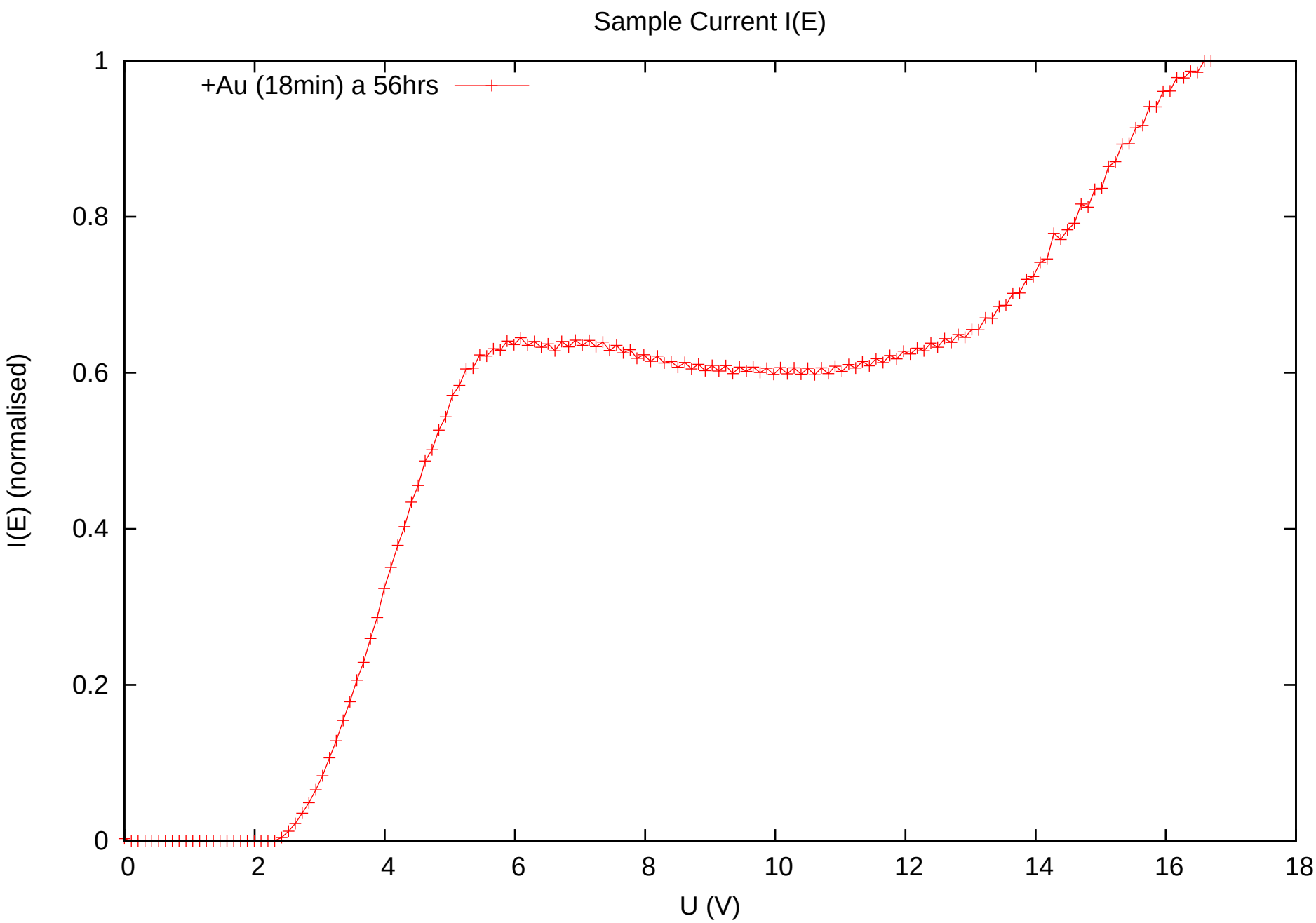

Sample Current I(E)
+Au (18min) a 36hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

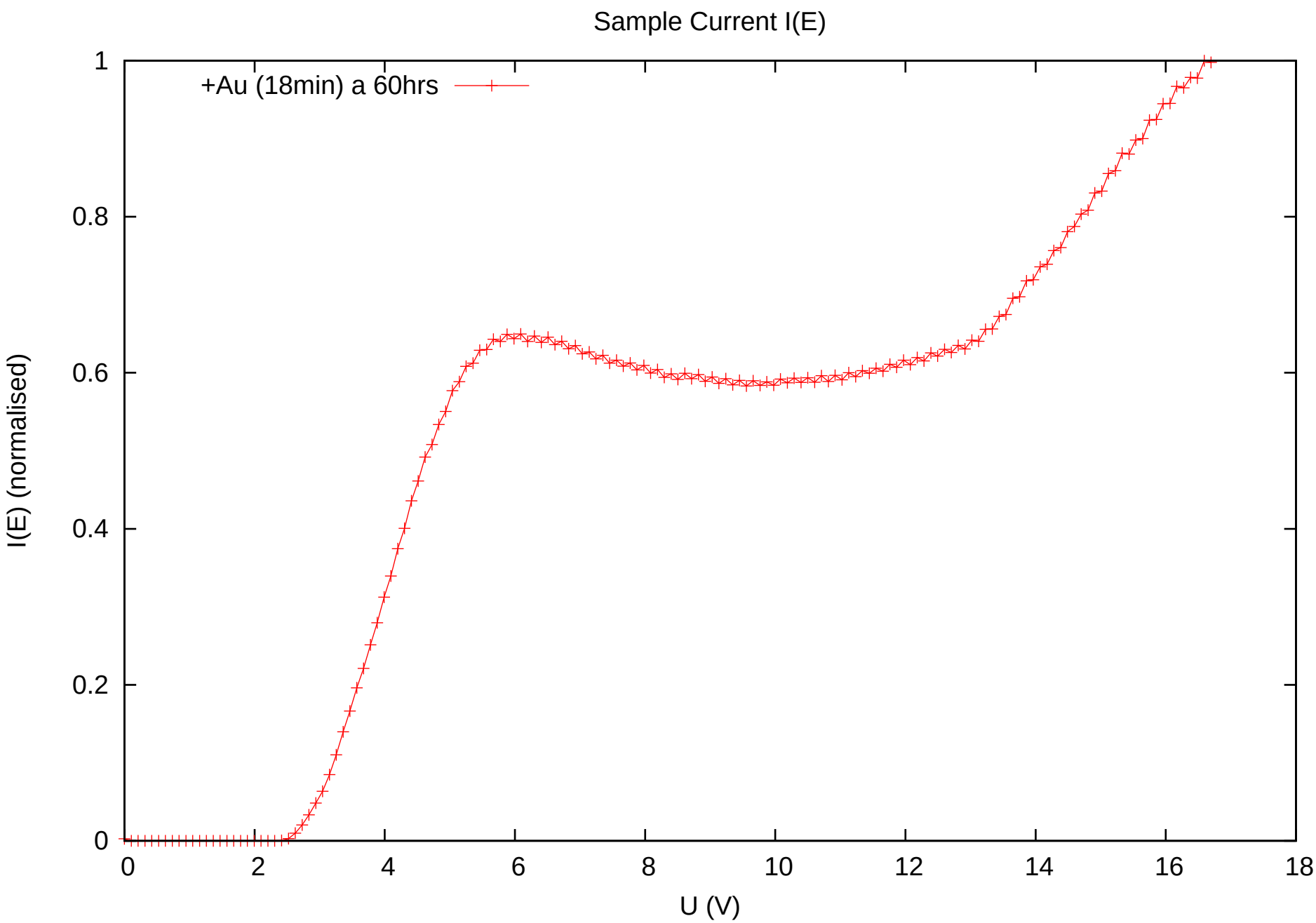

Sample Current I(E)
+Au (18min) a 40hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

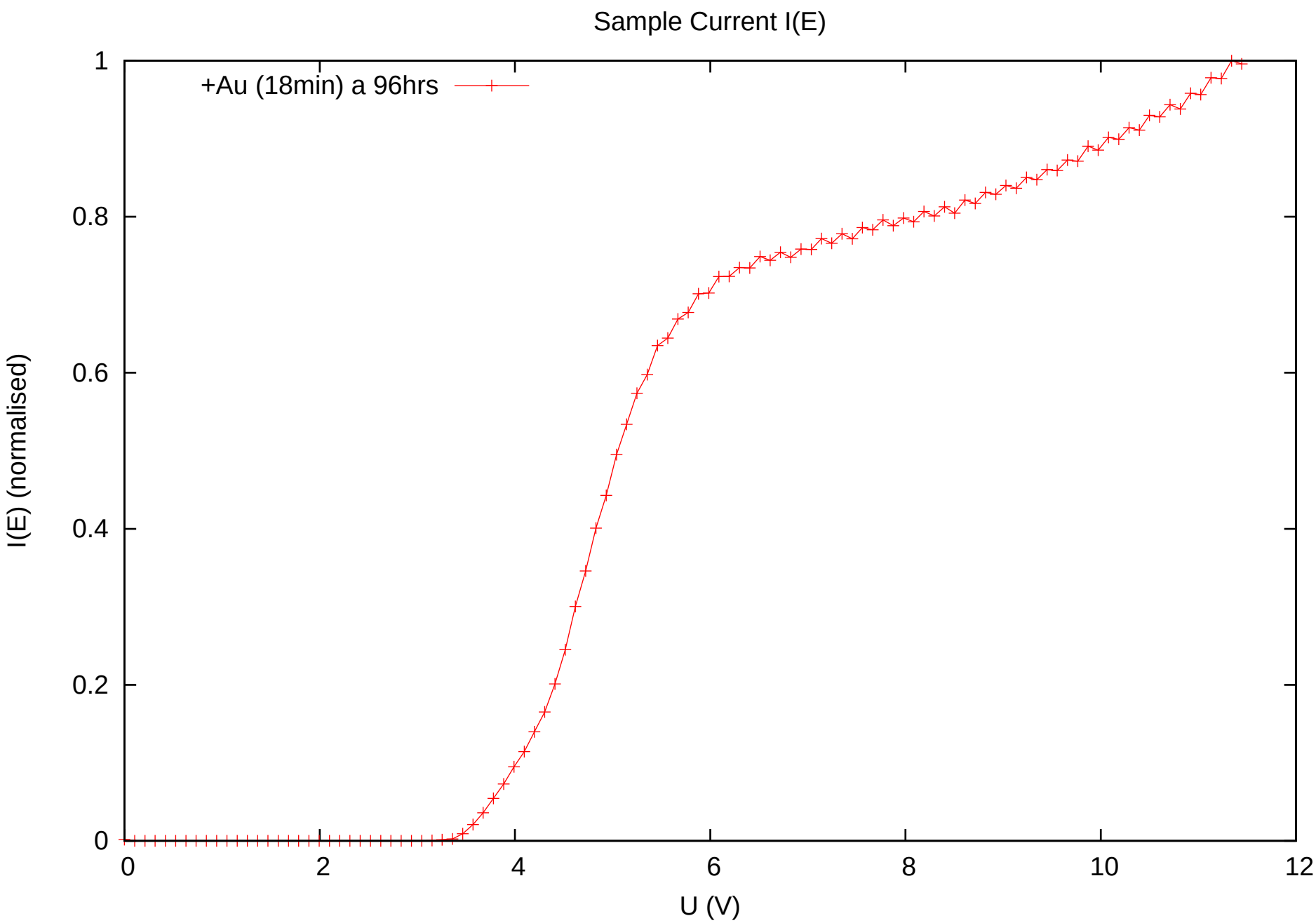

Sample Current I(E)
+Au (18min) a 44hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

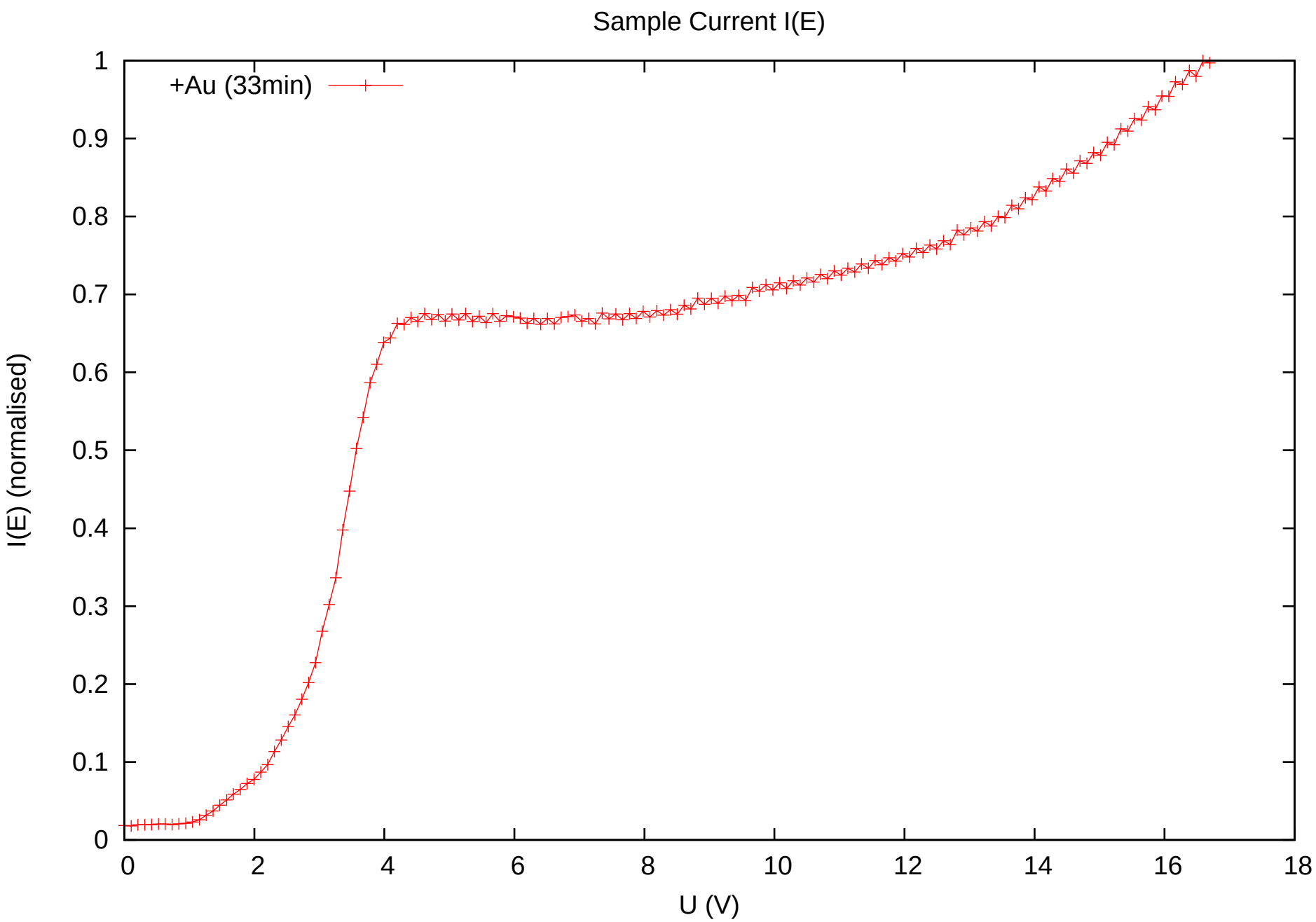

Sample Current I(E)
+Au (18min) a 48hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

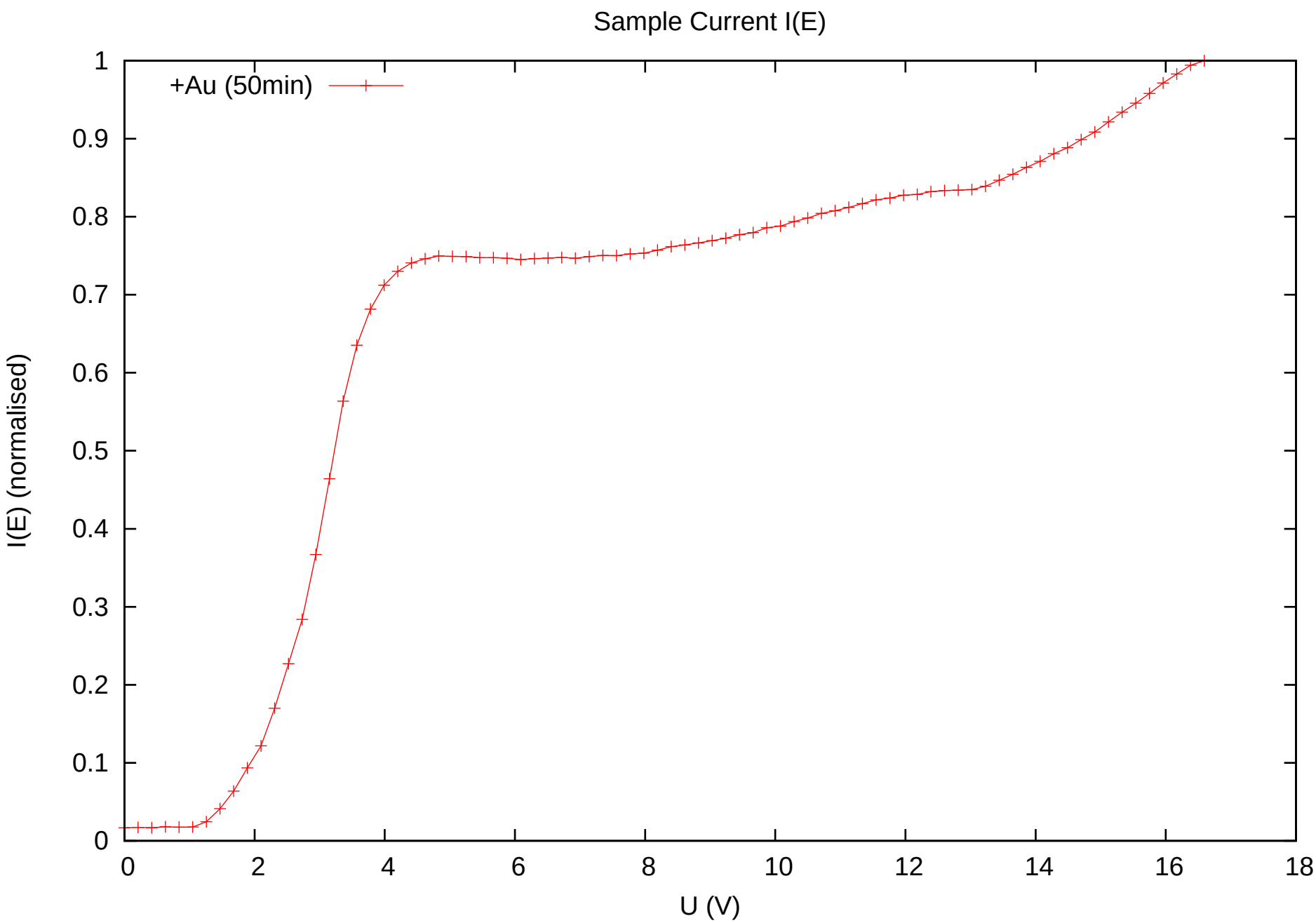

Sample Current I(E)
+Au (18min) a 52hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

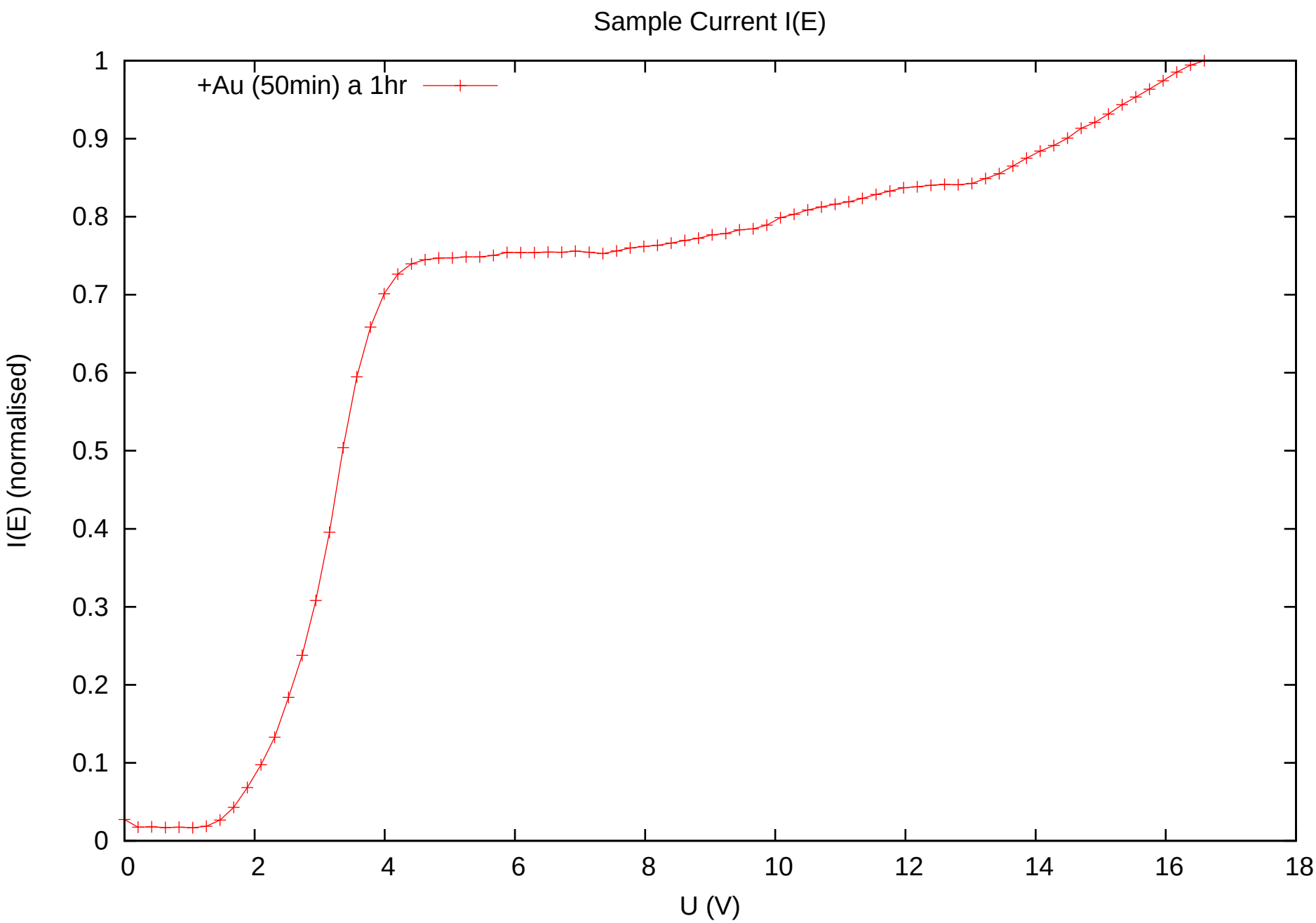

Sample Current I(E)
+Au (18min) a 56hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

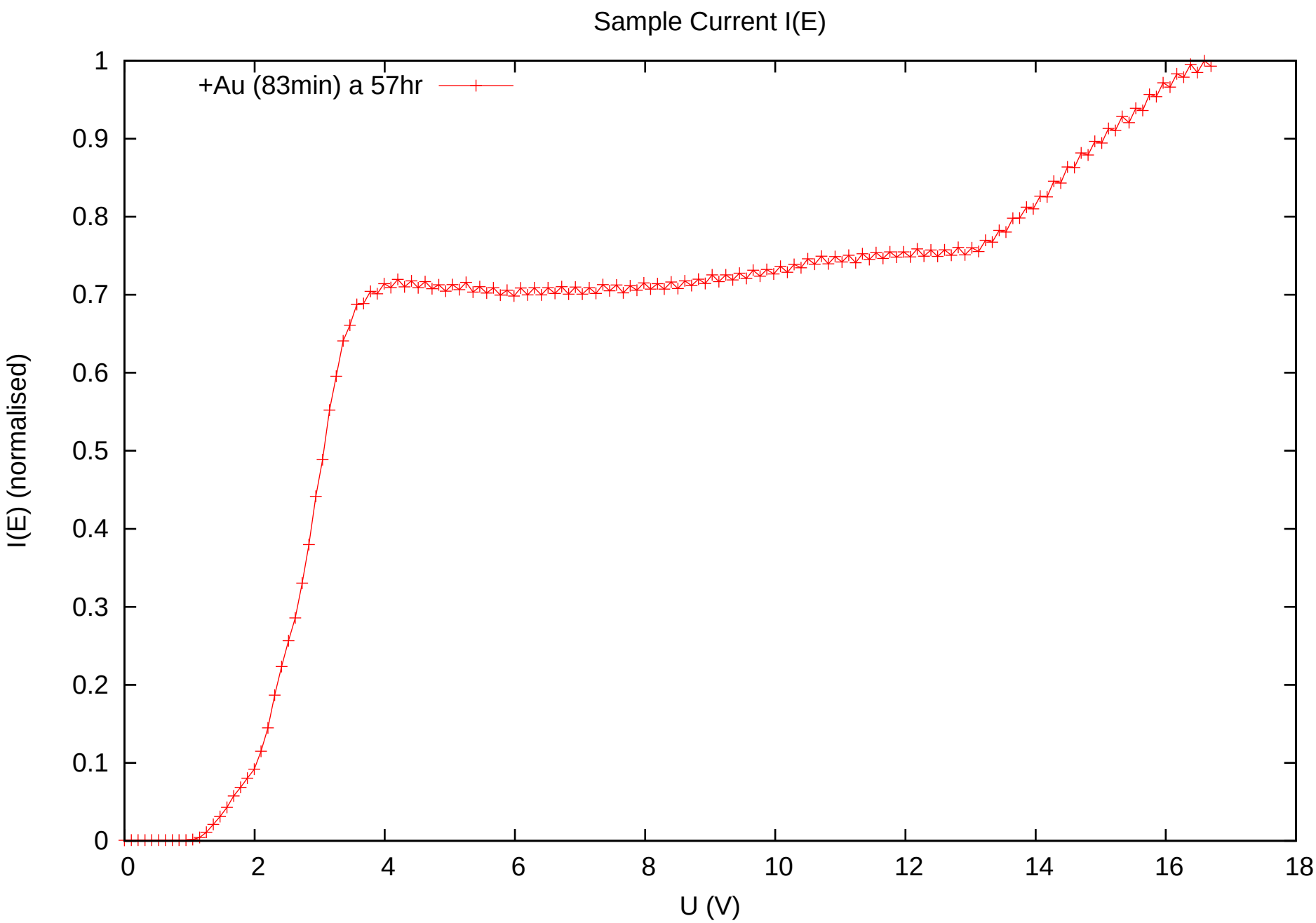

Sample Current I(E)
+Au (18min) a 60hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

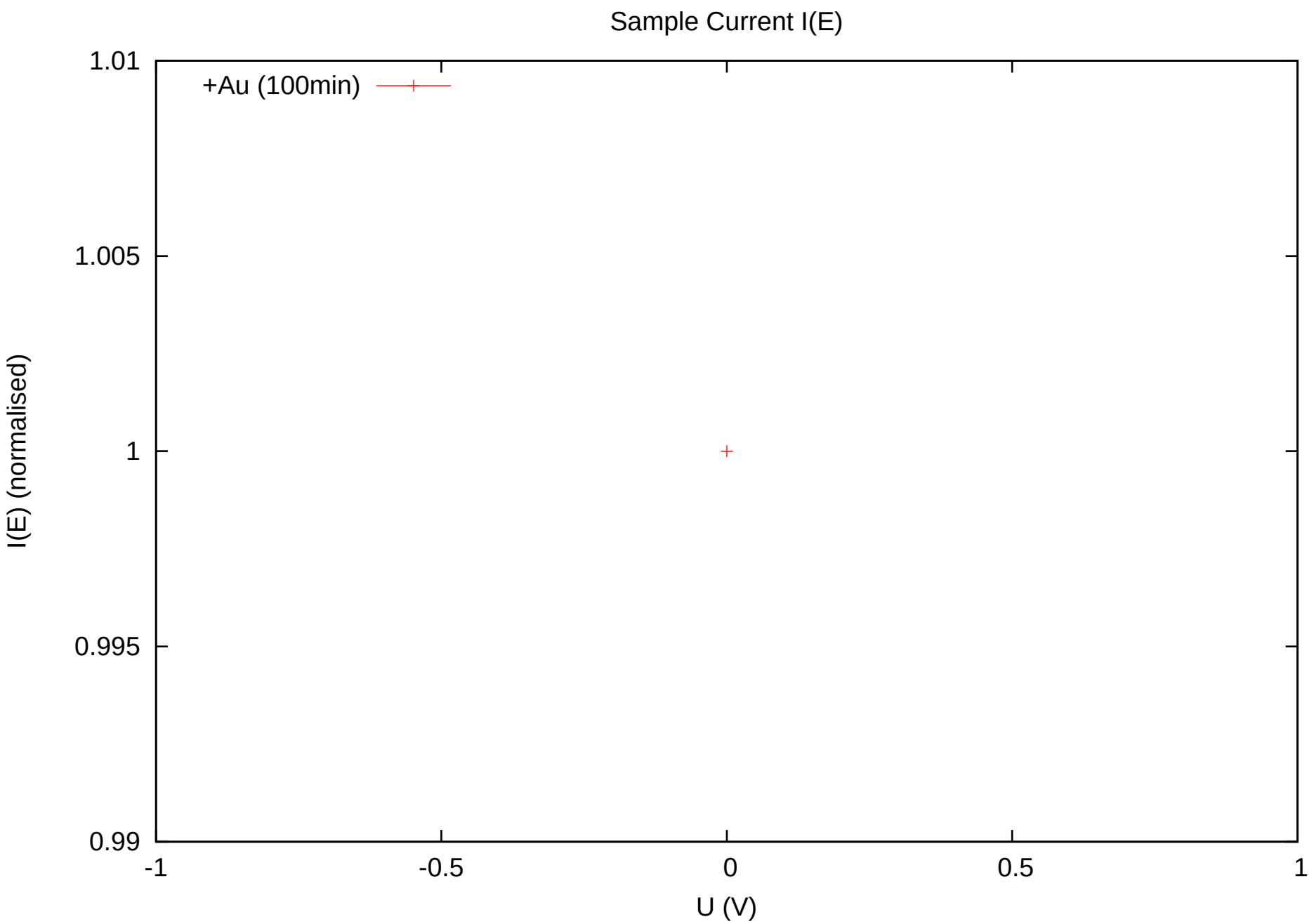

Sample Current I(E)
+Au (18min) a 96hrs
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12

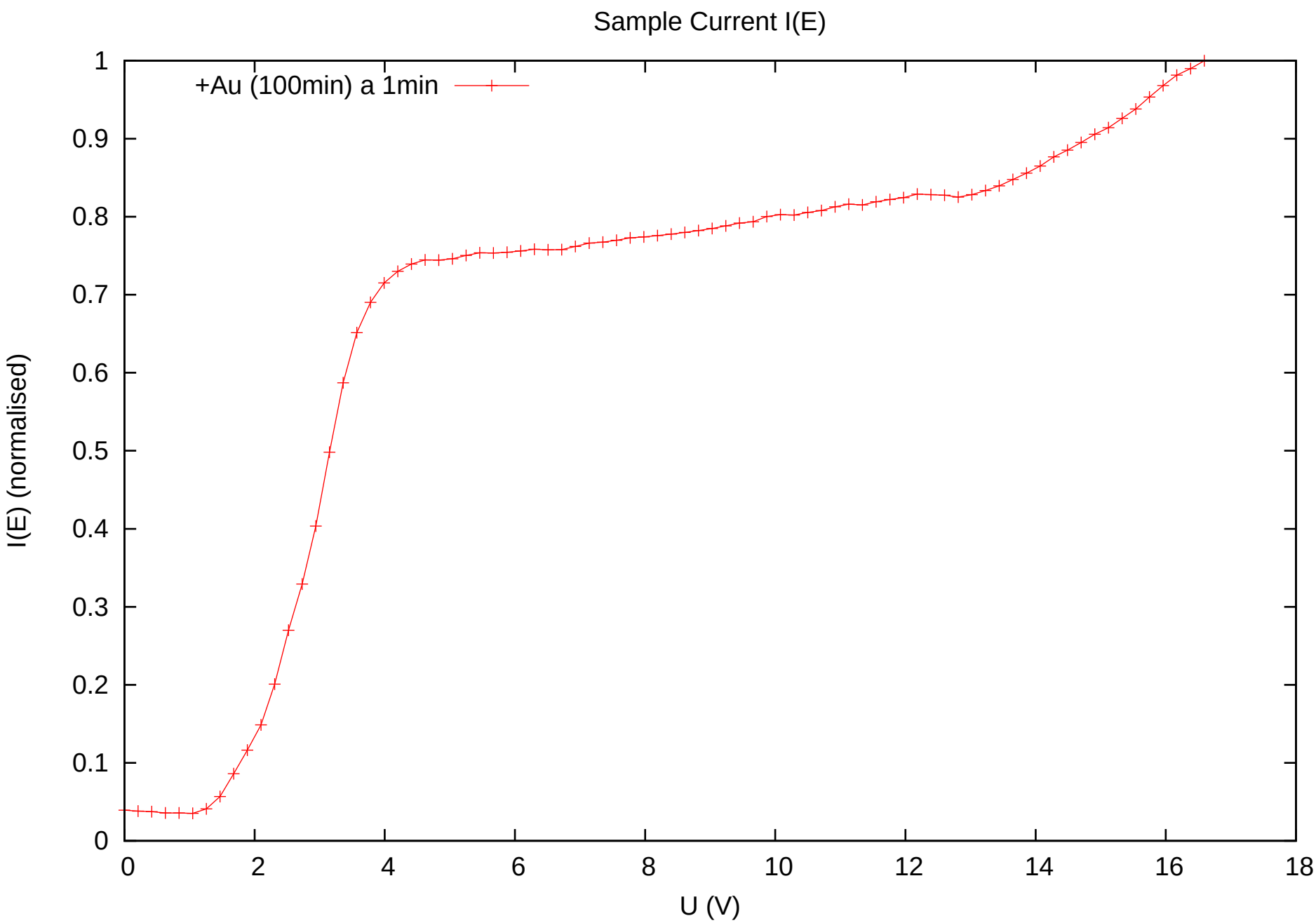

Sample Current I(E)
+Au (33min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

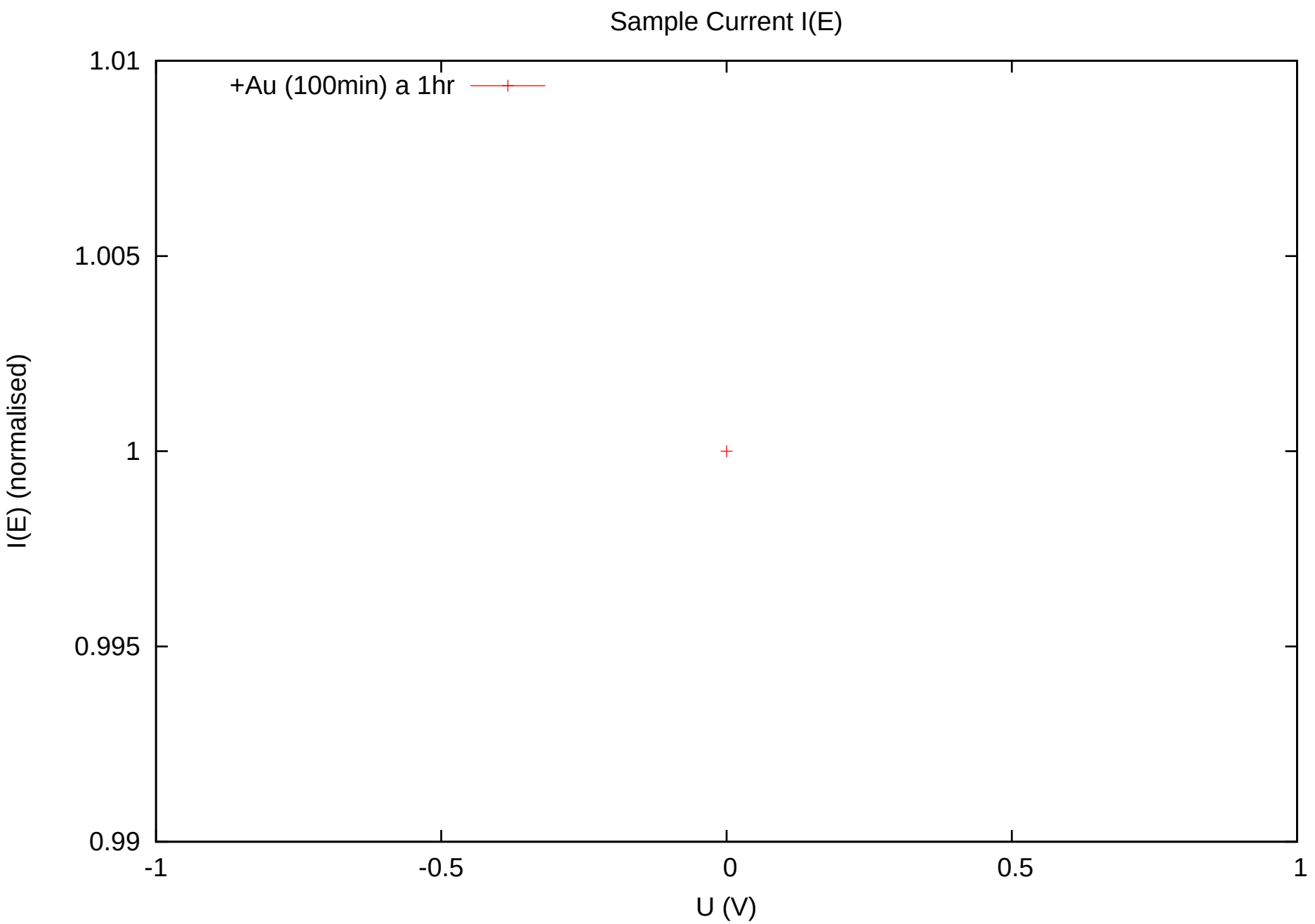

Sample Current I(E)
+Au (50min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

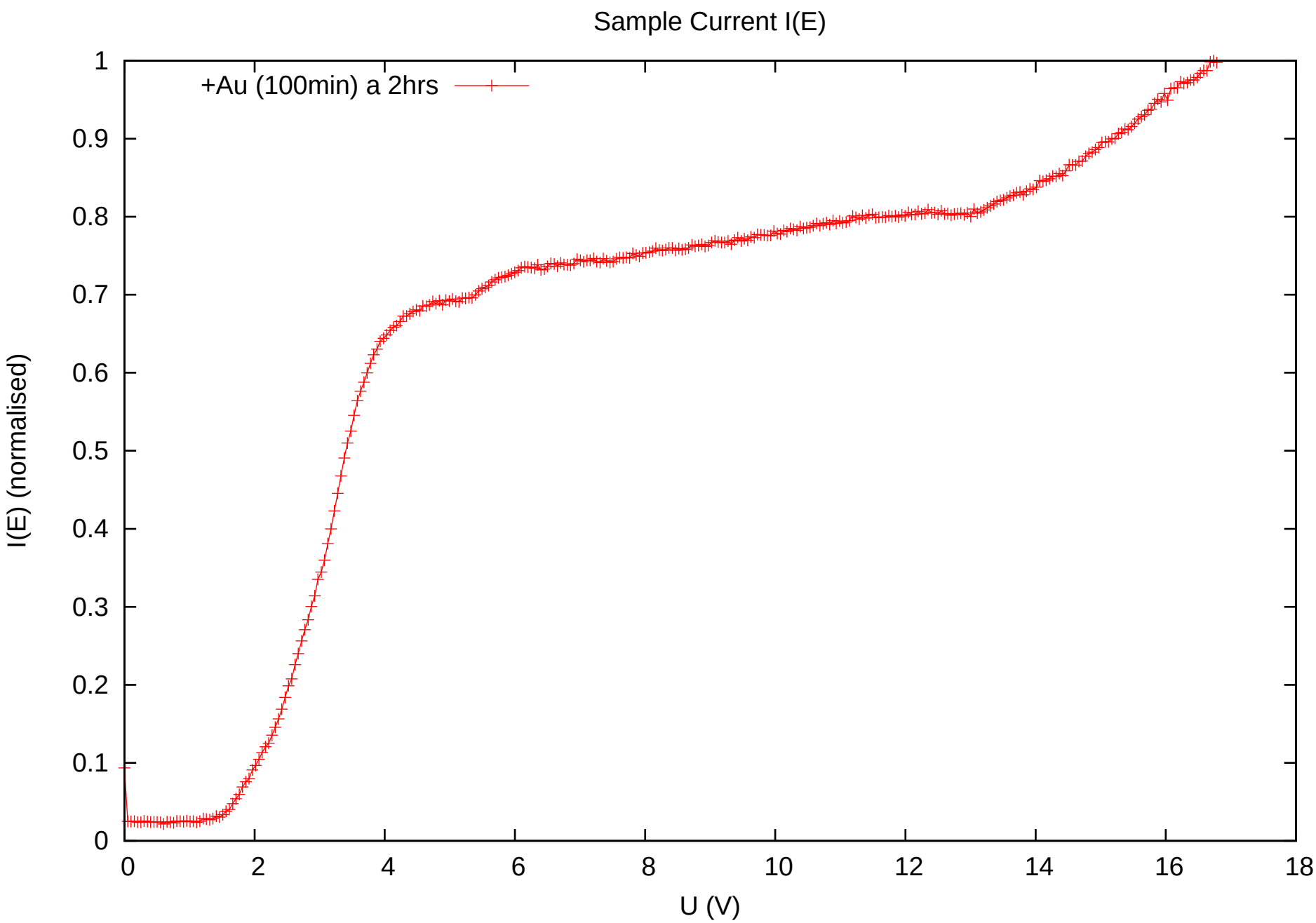

Sample Current I(E)
+Au (50min) a 1hr
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

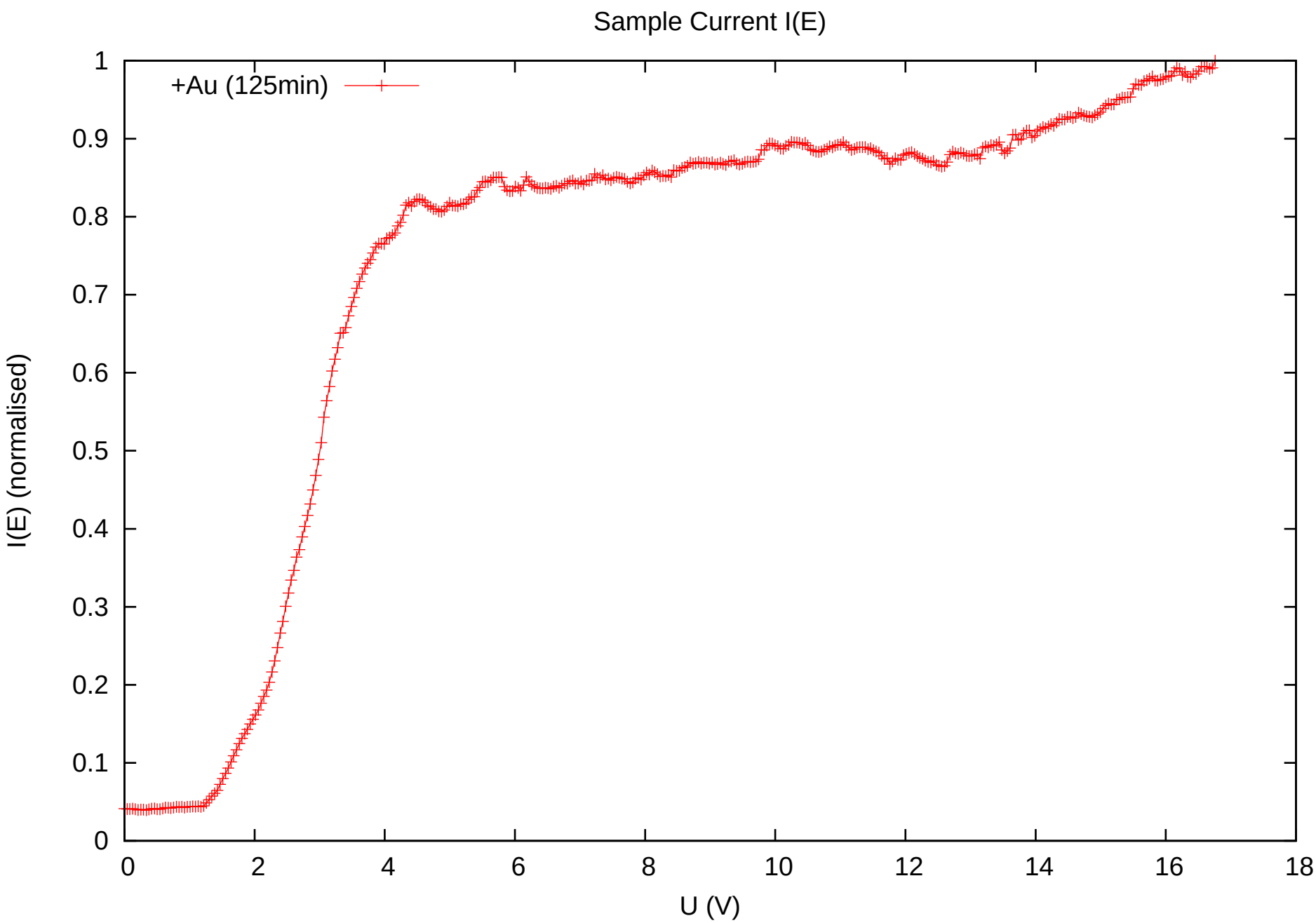

Sample Current I(E)
+Au (83min) a 57hr
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

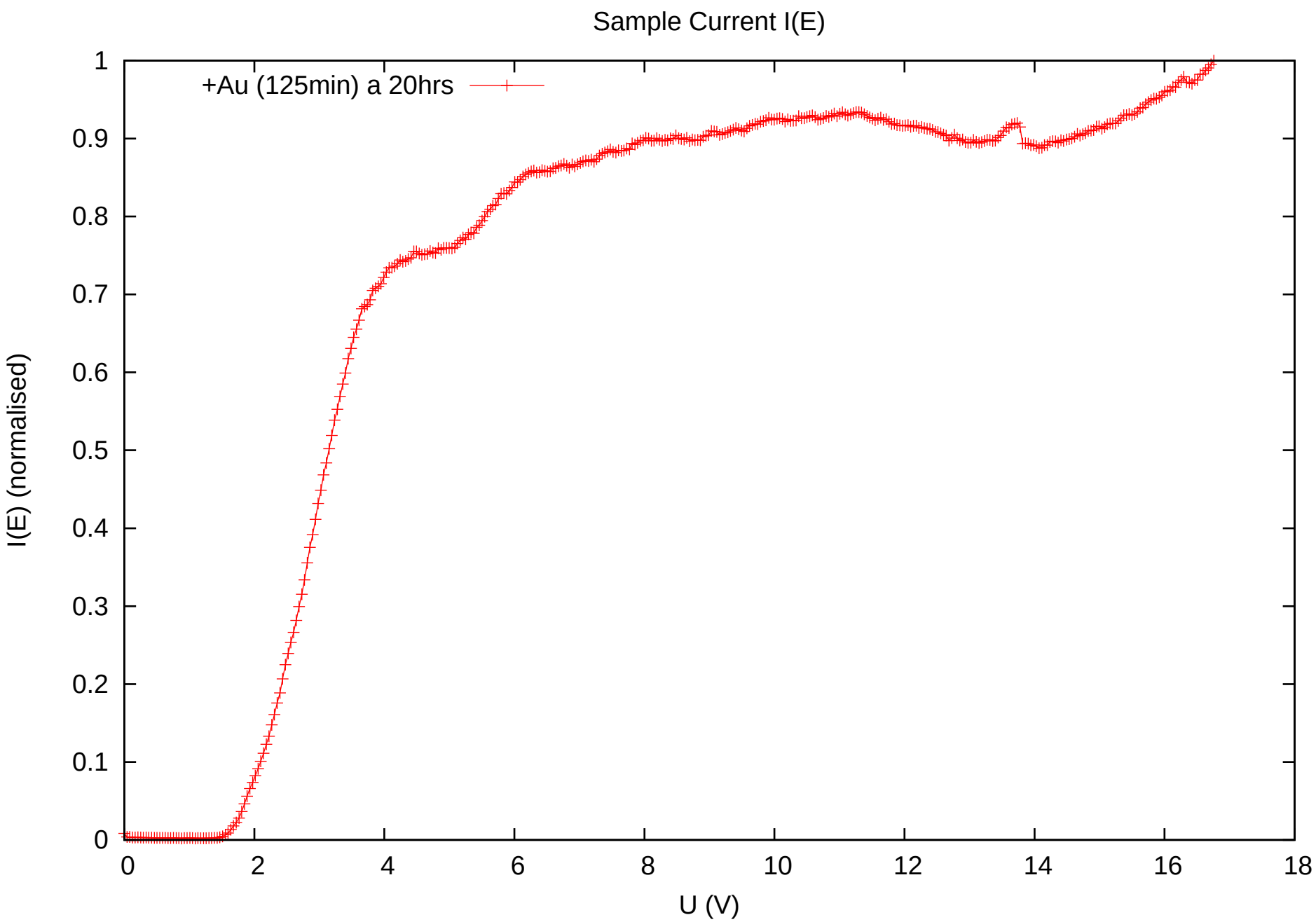

Sample Current I(E)
+Au (100min)
1.01
1.005
1
0.995
0.99
I(E) (normalised)
-1
-0.5
0
0.5
1
U (V)

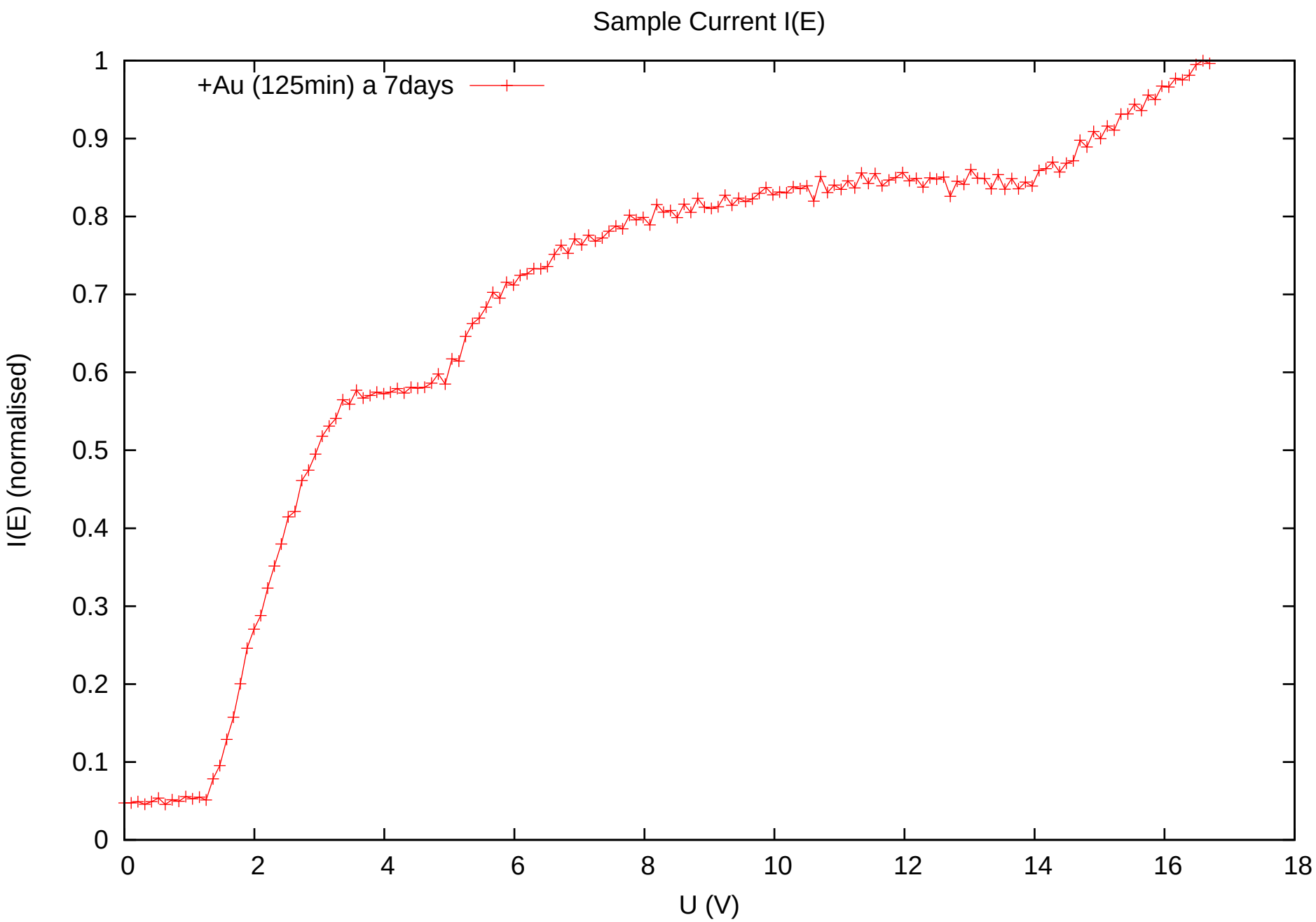

Sample Current I(E)
+Au (100min) a 1min
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18

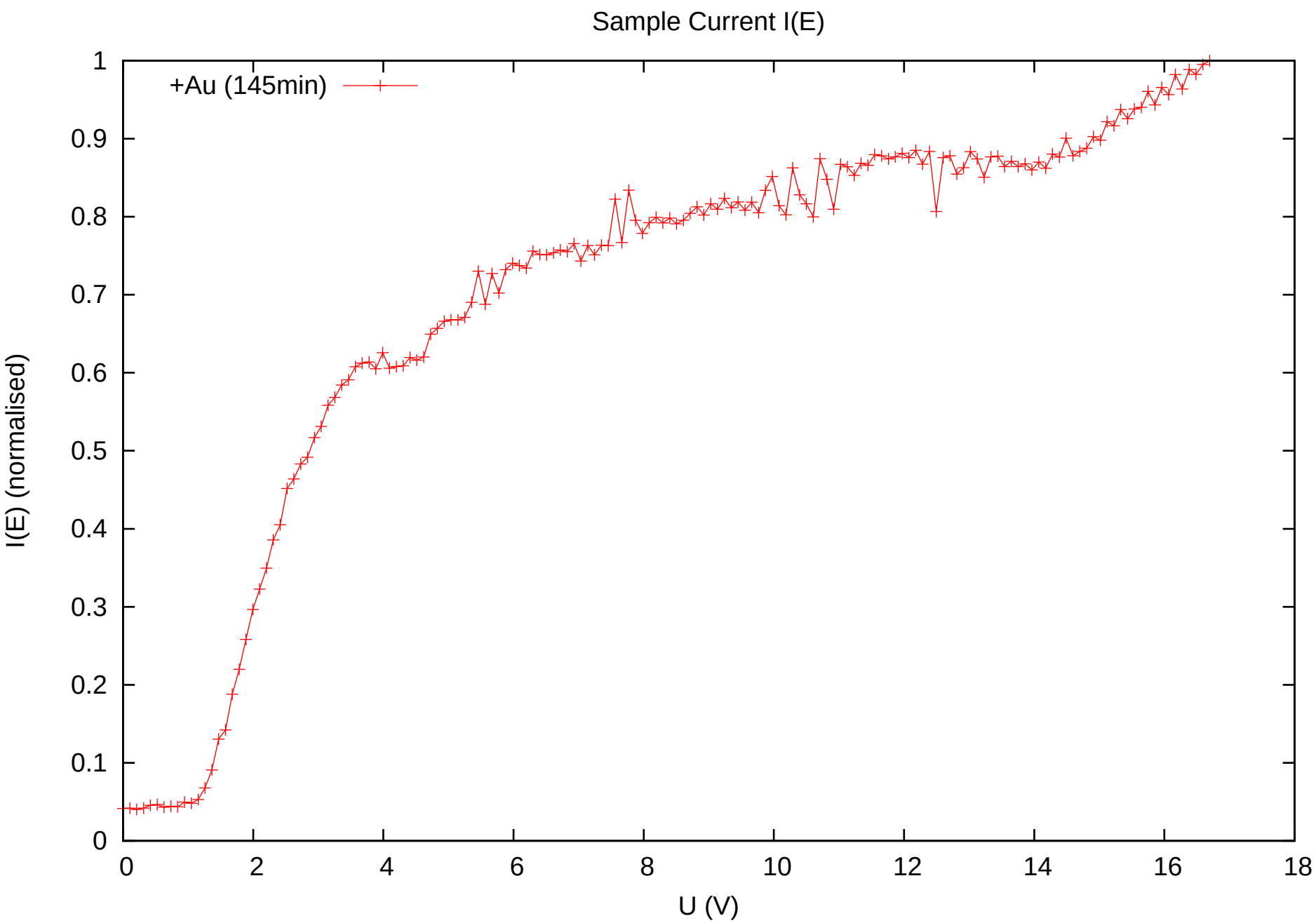

Sample Current I(E)
+Au (100min) a 1hr
1.01
1.005
1
0.995
0.99
I(E) (normalised)
-1
-0.5
0
0.5
1
U (V)


Sample Current I(E)
+Au (100min) a 2hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18


Sample Current I(E)
+Au (125min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18


Sample Current I(E)
+Au (125min) a 20hrs
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18


Sample Current I(E)
+Au (125min) a 7days
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18


Sample Current I(E)
+Au (145min)
I(E) (normalised)
U (V)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0
2
4
6
8
10
12
14
16
18