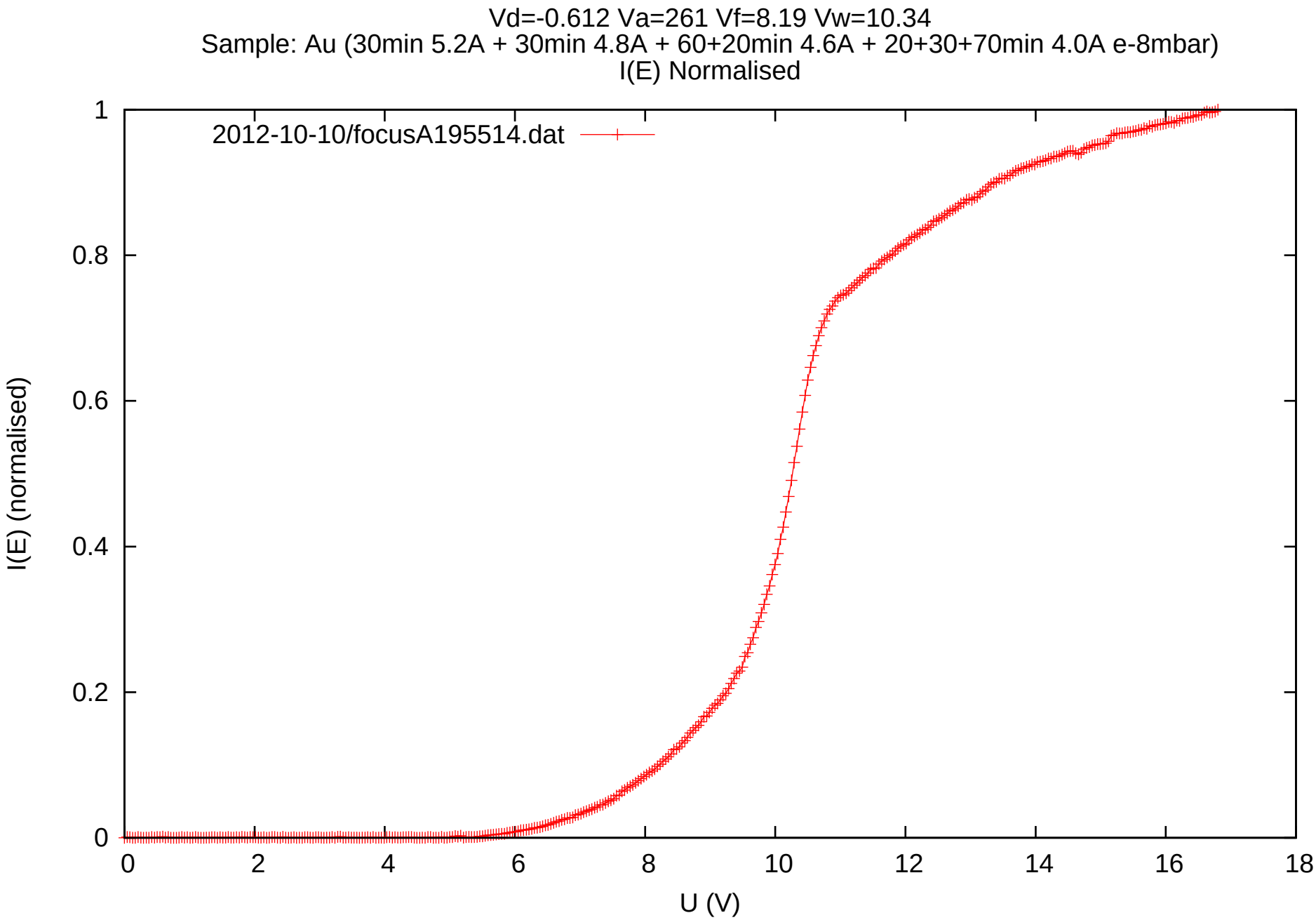
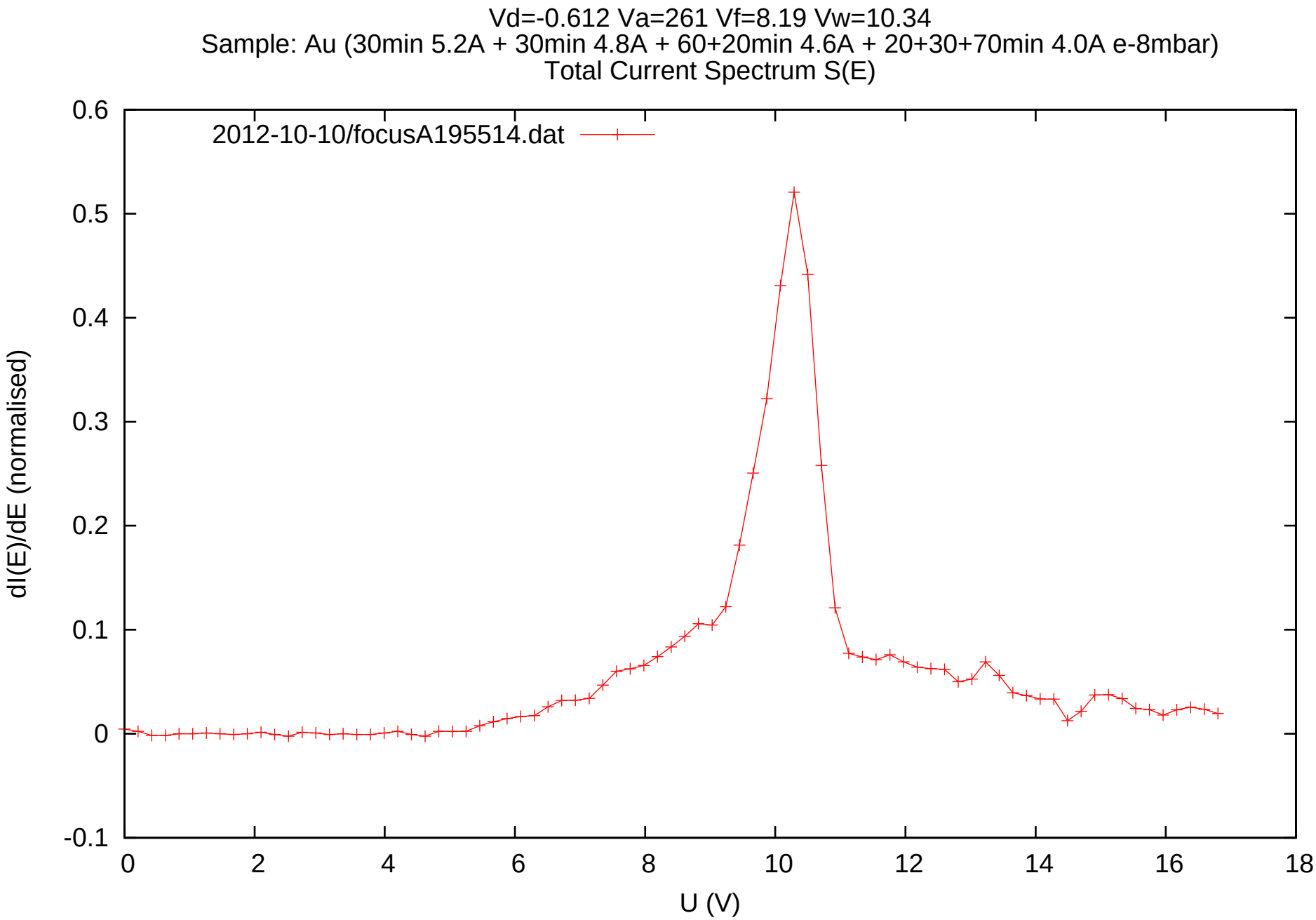
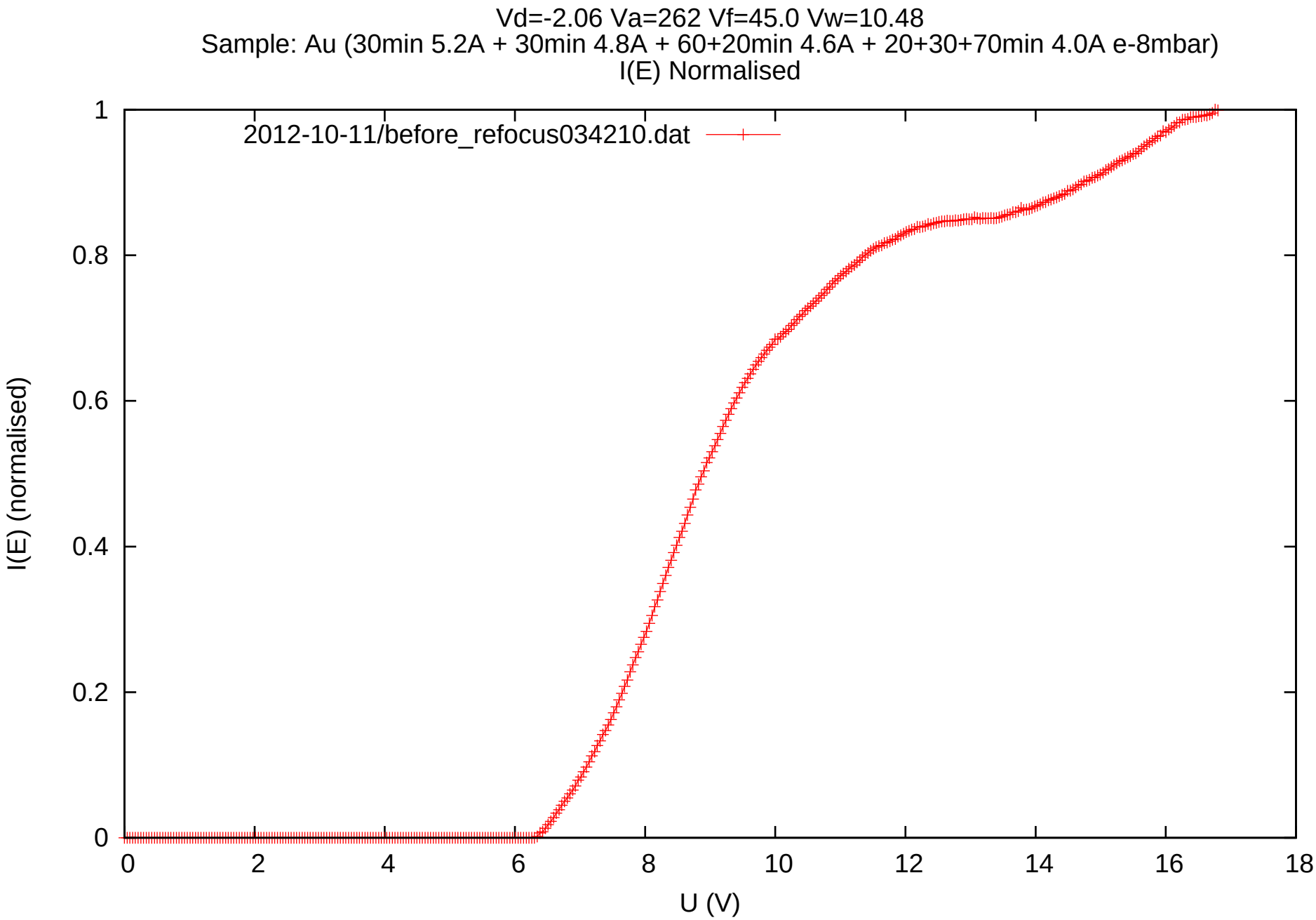
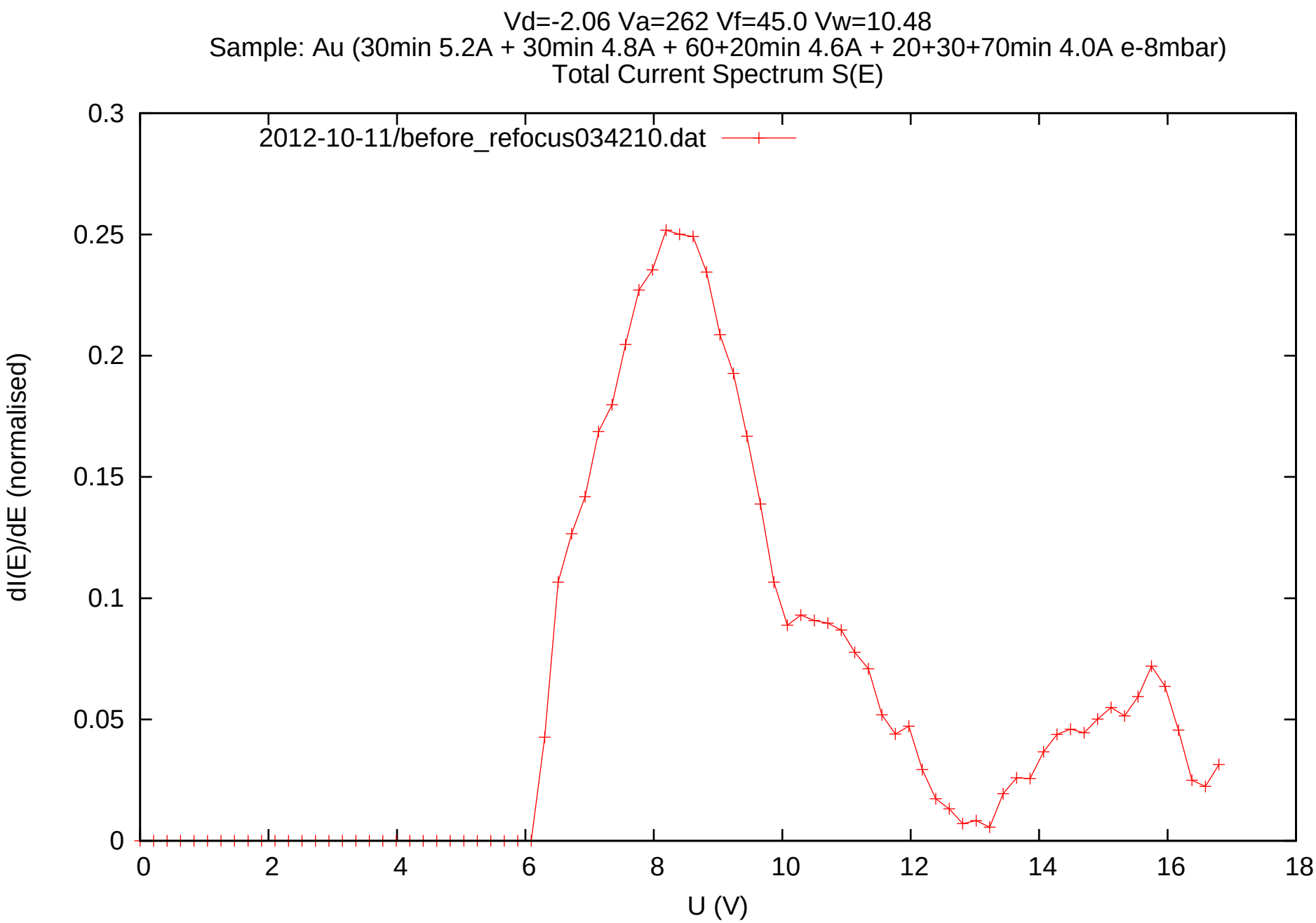
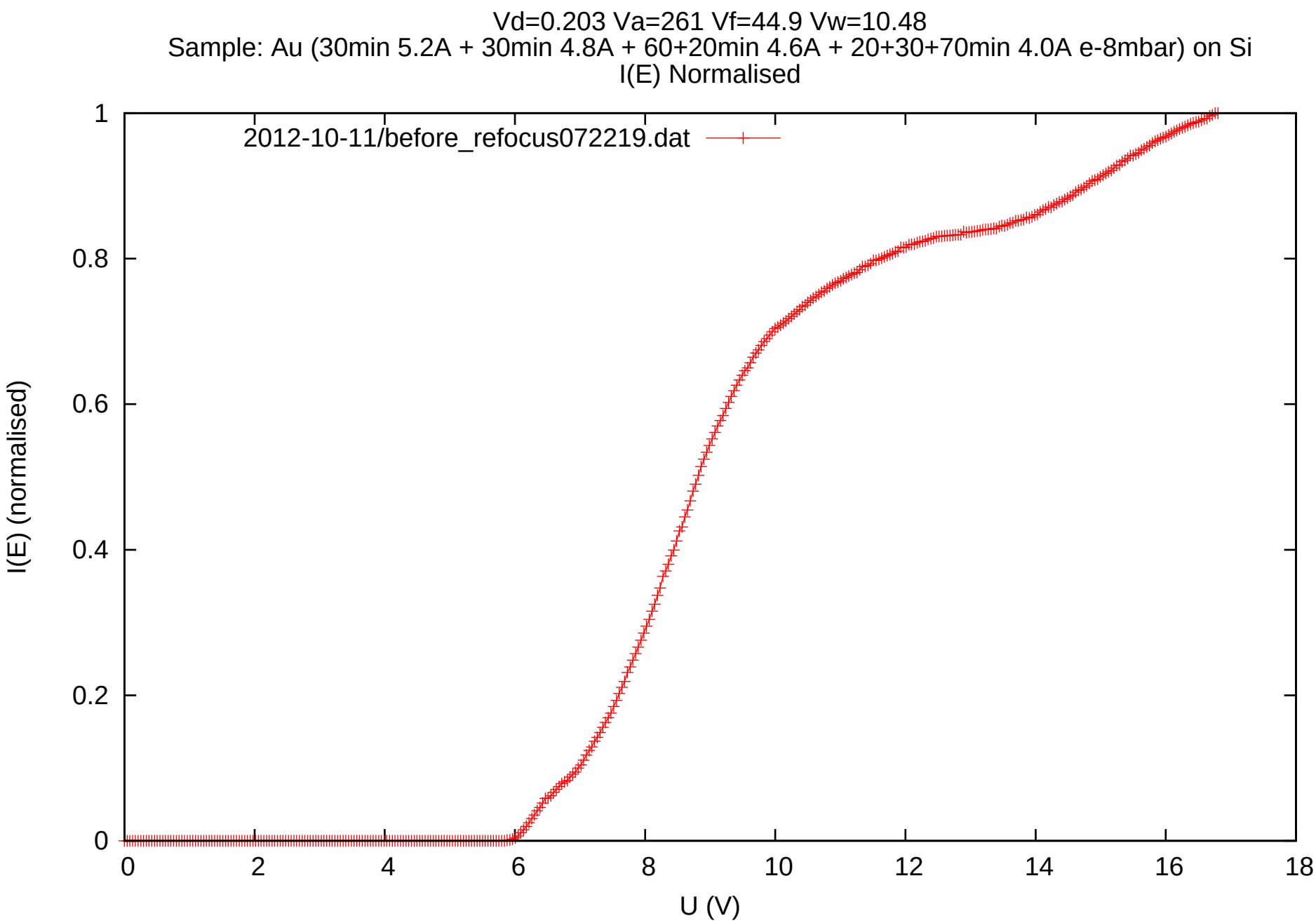
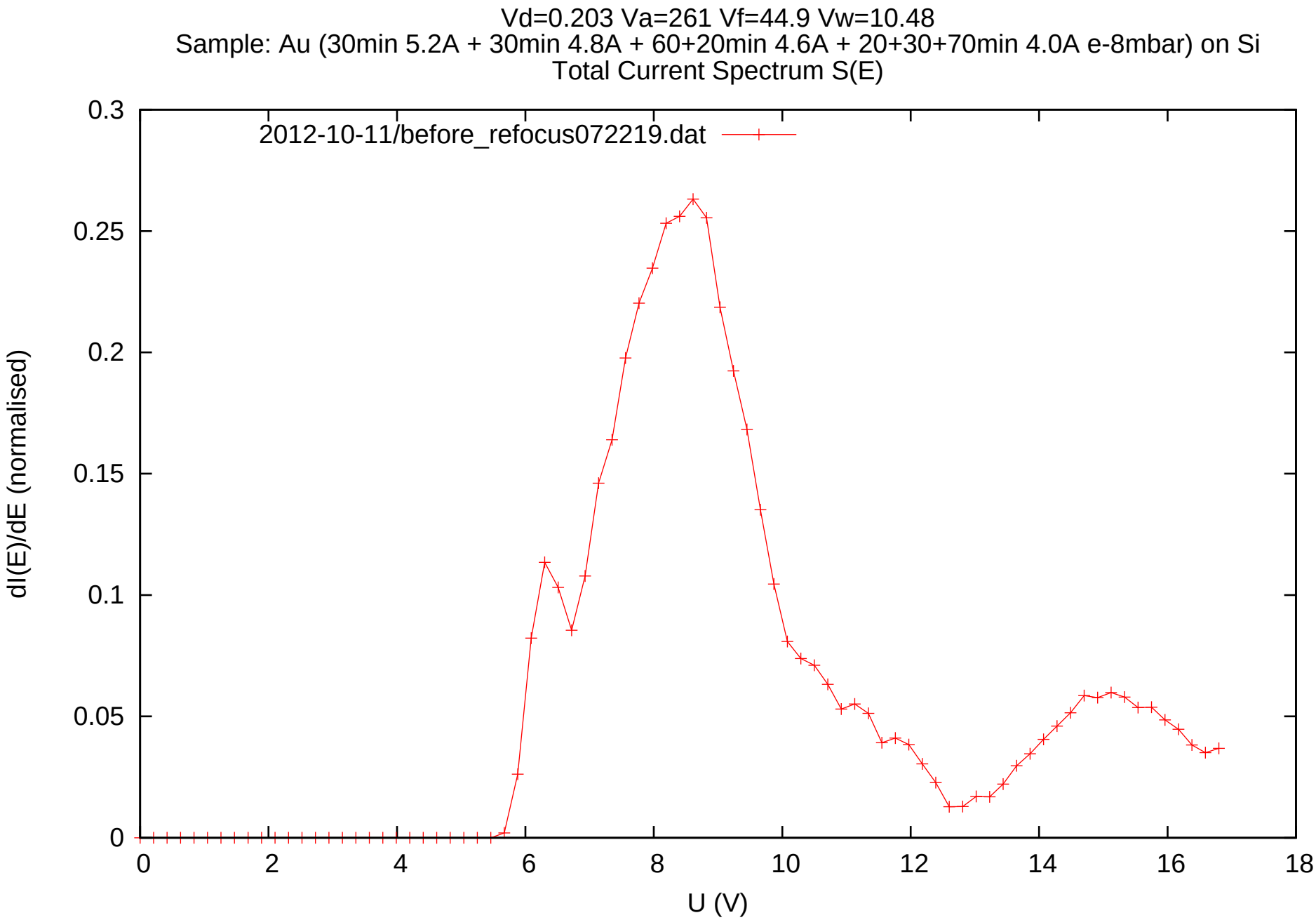

Vd=-0.612 Va=261 Vf=8.19 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar)
I(E) Normalised
2012-10-10/focusA195514.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

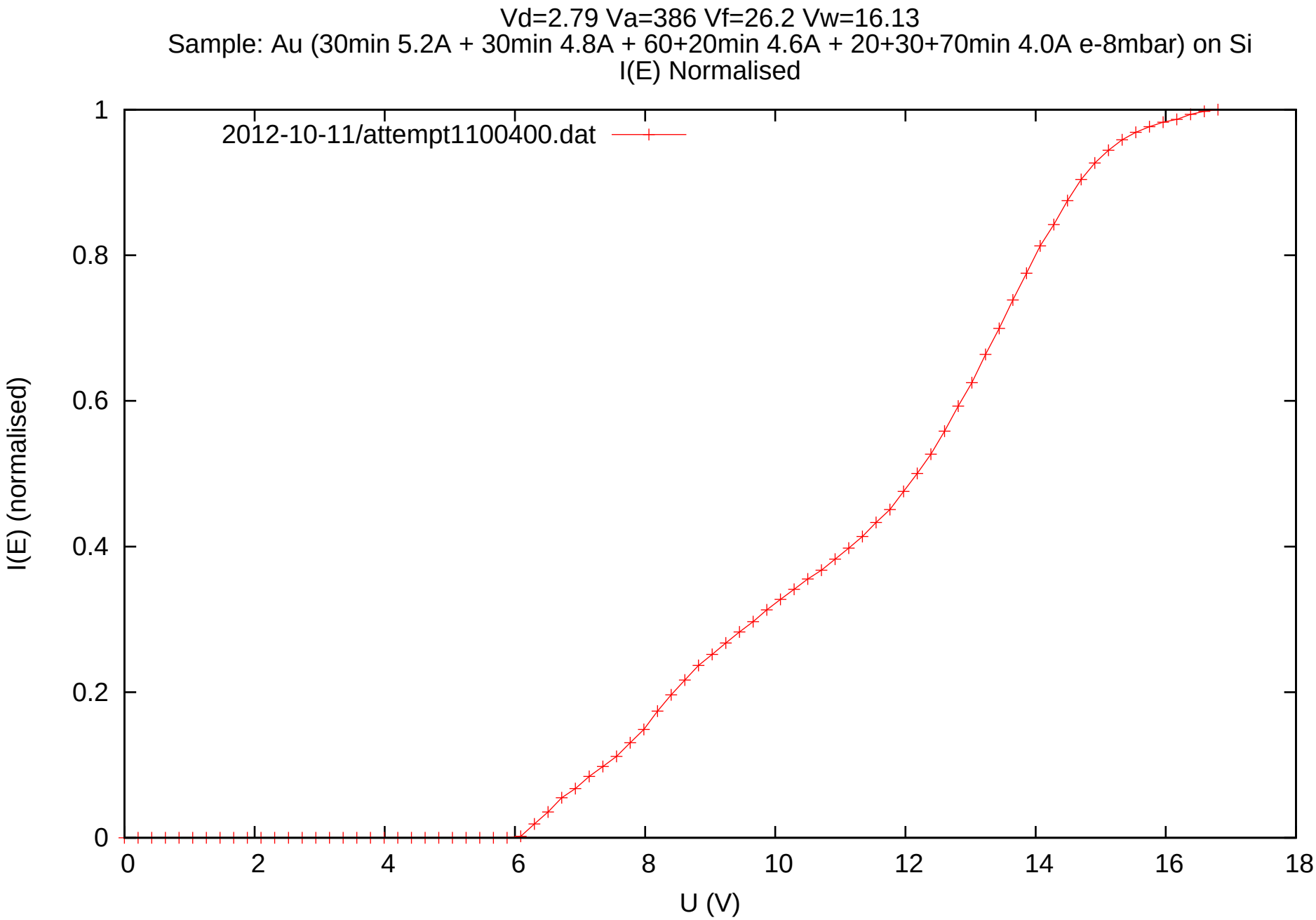

Vd=-0.612 Va=261 Vf=8.19 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar)
Total Current Spectrum S(E)
2012-10-10/focusA195514.dat
dI(E)/dE (normalised)
U (V)
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
2
4
6
8
10
12
14
16
18

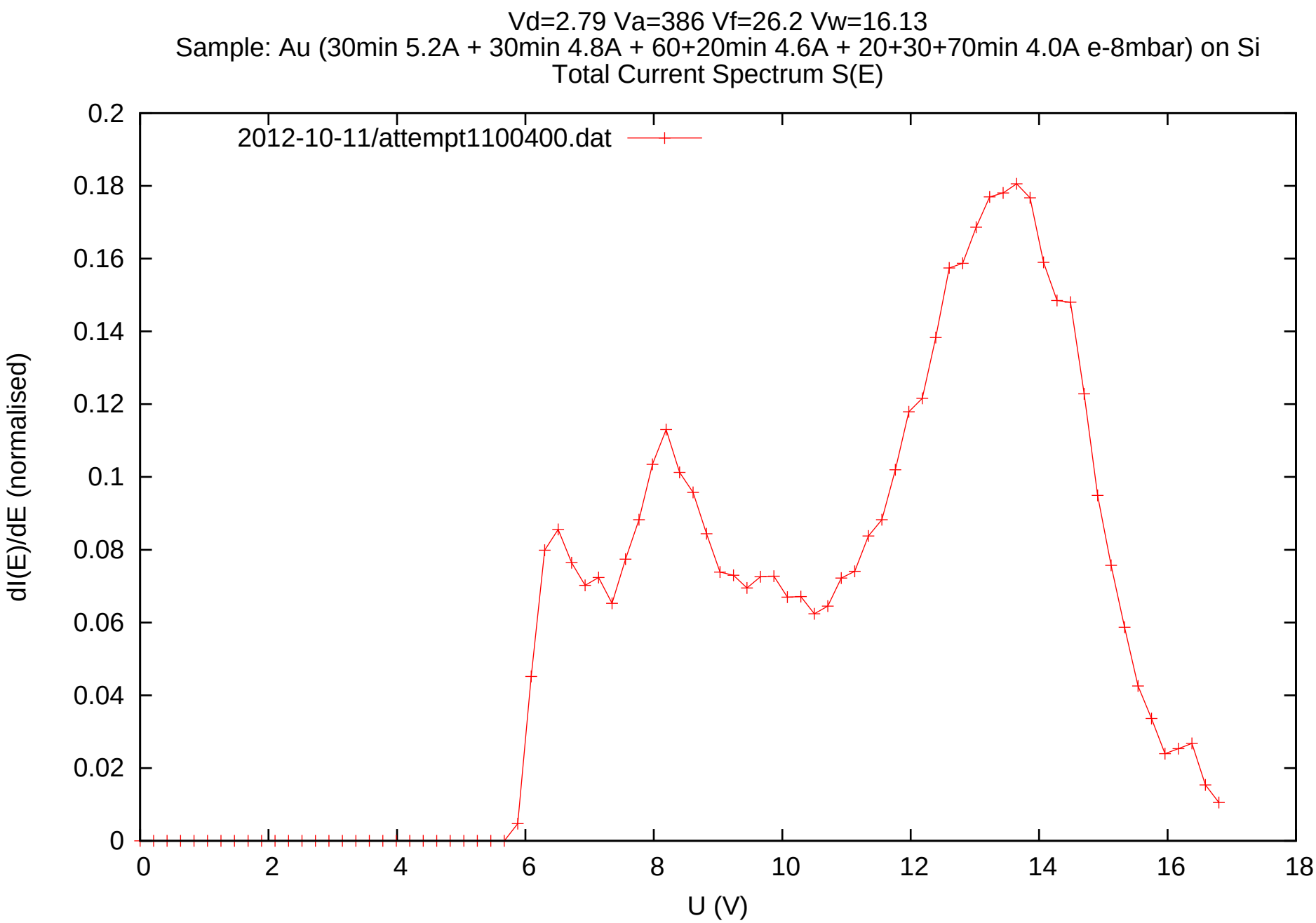

Vd=-2.06 Va=262 Vf=45.0 Vw=10.48
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar)
I(E) Normalised
2012-10-11/before_refocus034210.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

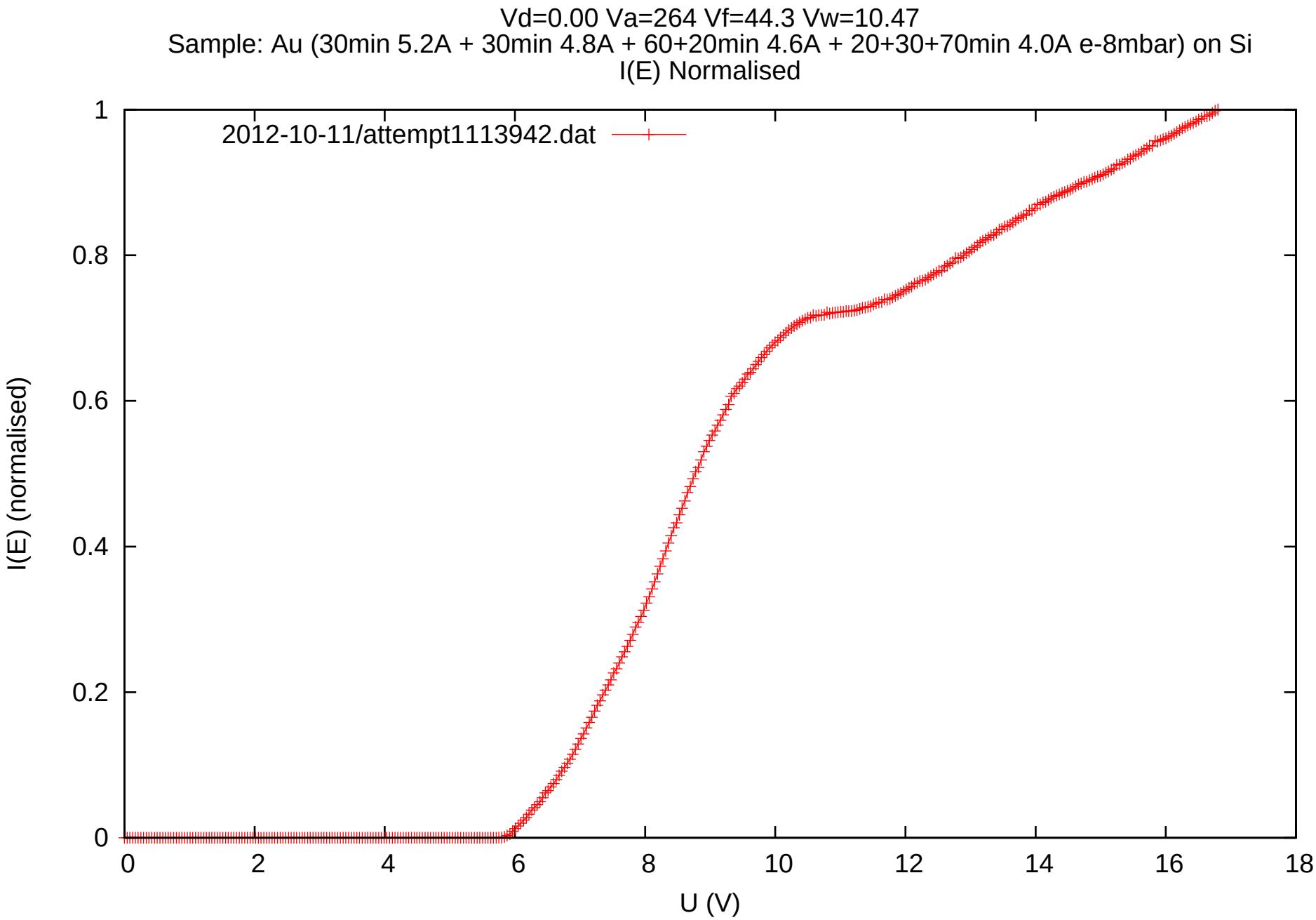

Vd=-2.06 Va=262 Vf=45.0 Vw=10.48
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar)
Total Current Spectrum S(E)
2012-10-11/before_refocus034210.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
2
4
6
8
10
12
14
16
18

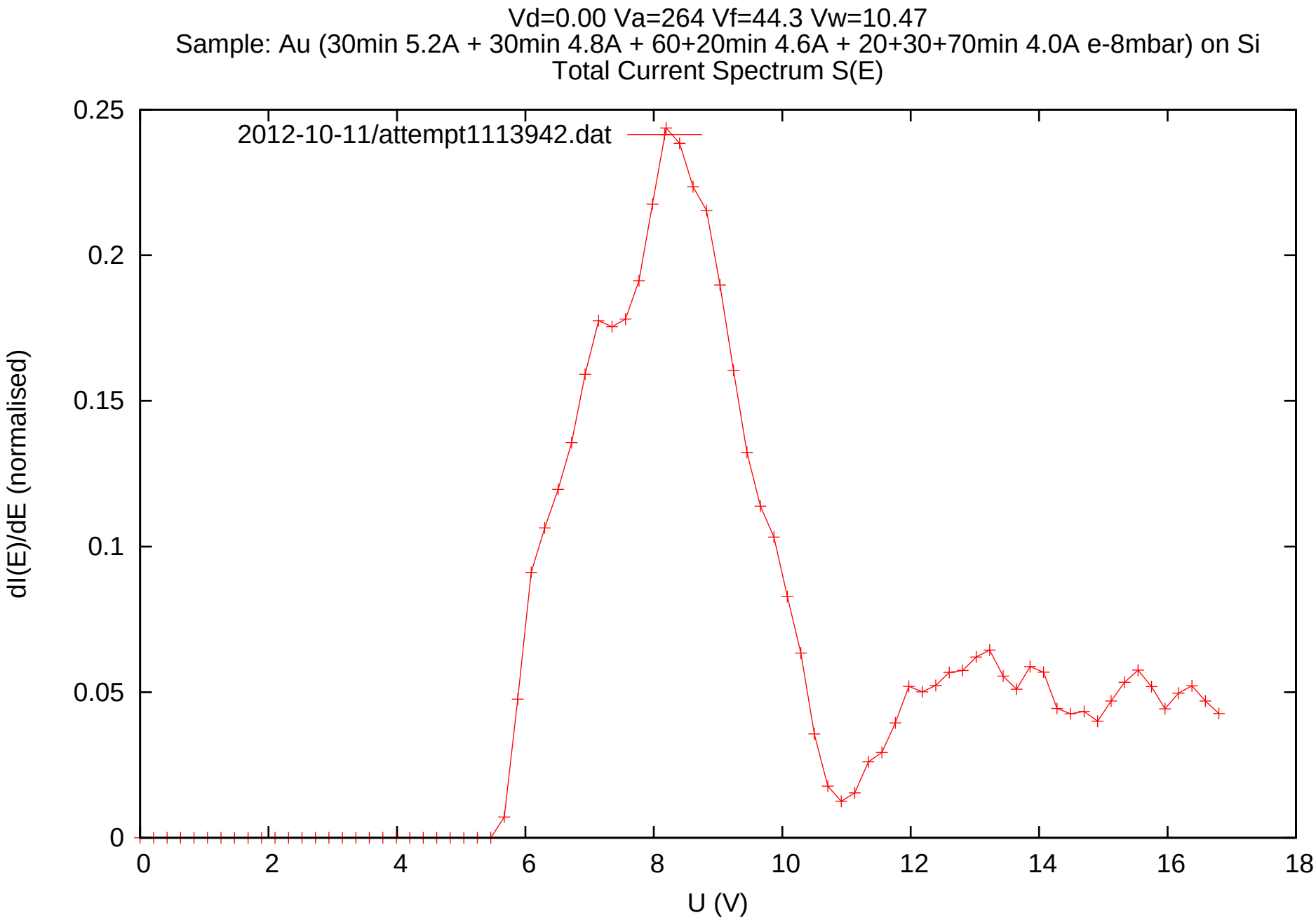

Vd=0.203 Va=261 Vf=44.9 Vw=10.48
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/before_refocus072219.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

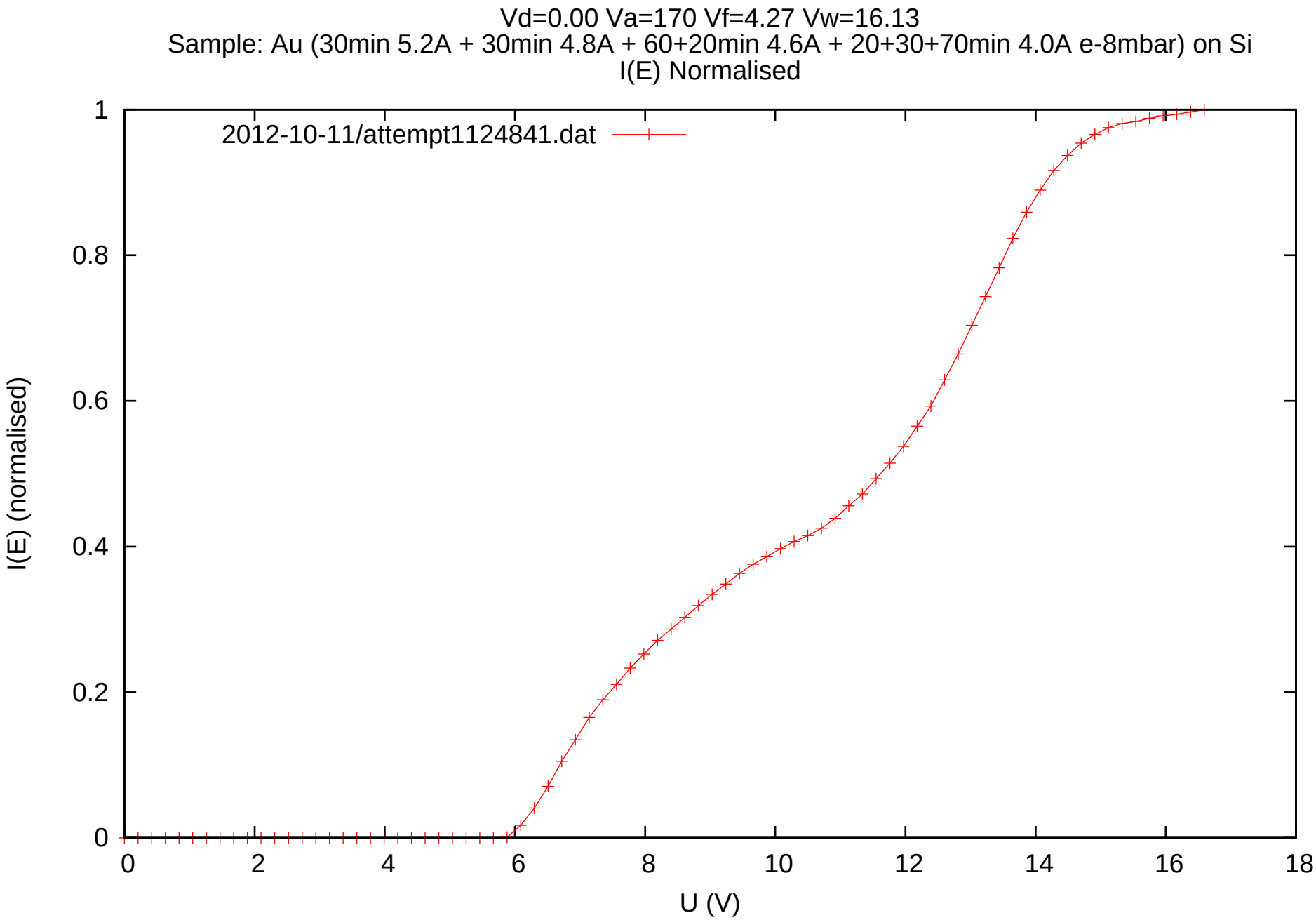

Vd=0.203 Va=261 Vf=44.9 Vw=10.48
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/before_refocus072219.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
2
4
6
8
10
12
14
16
18

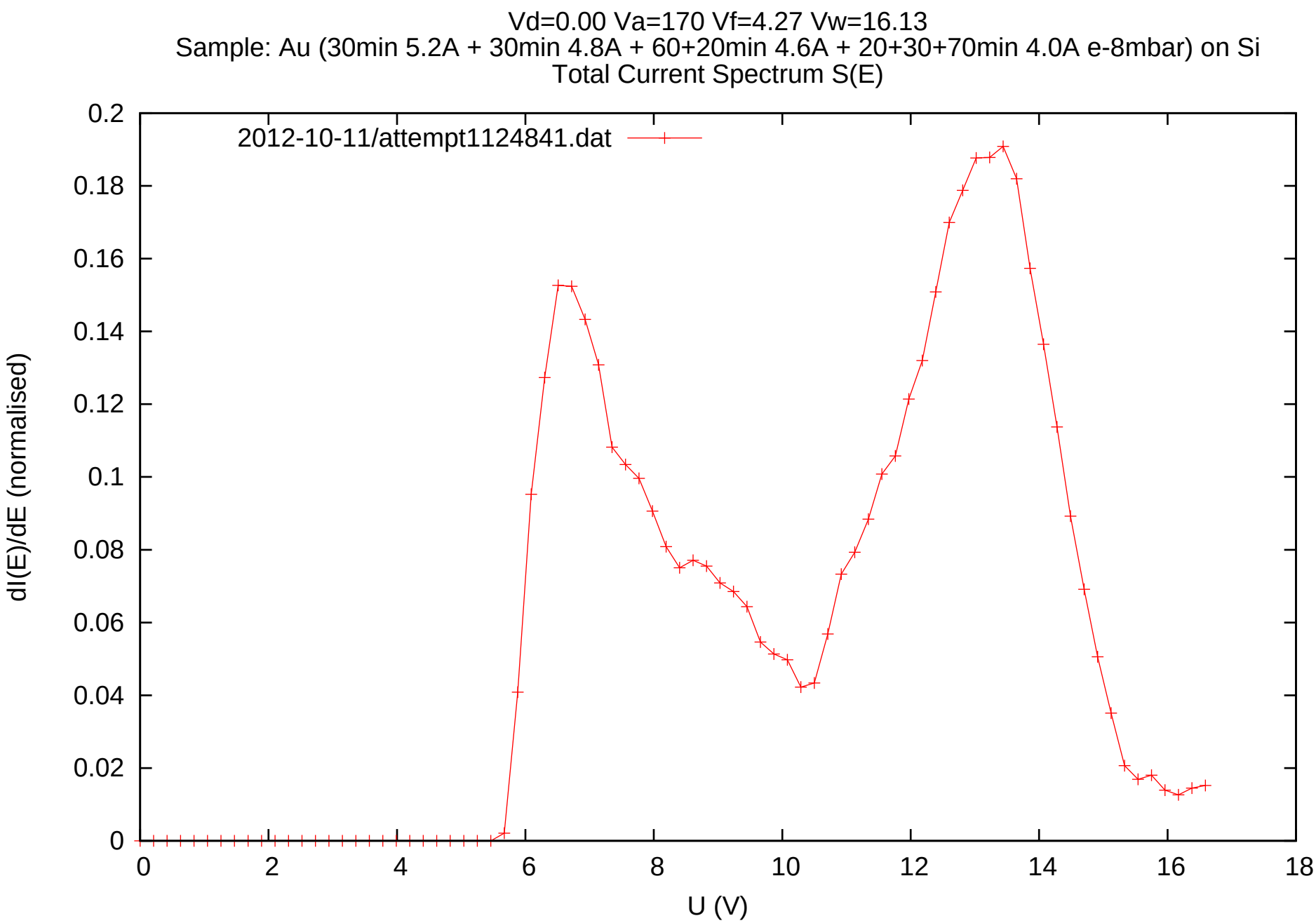

Vd=2.79 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1100400.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

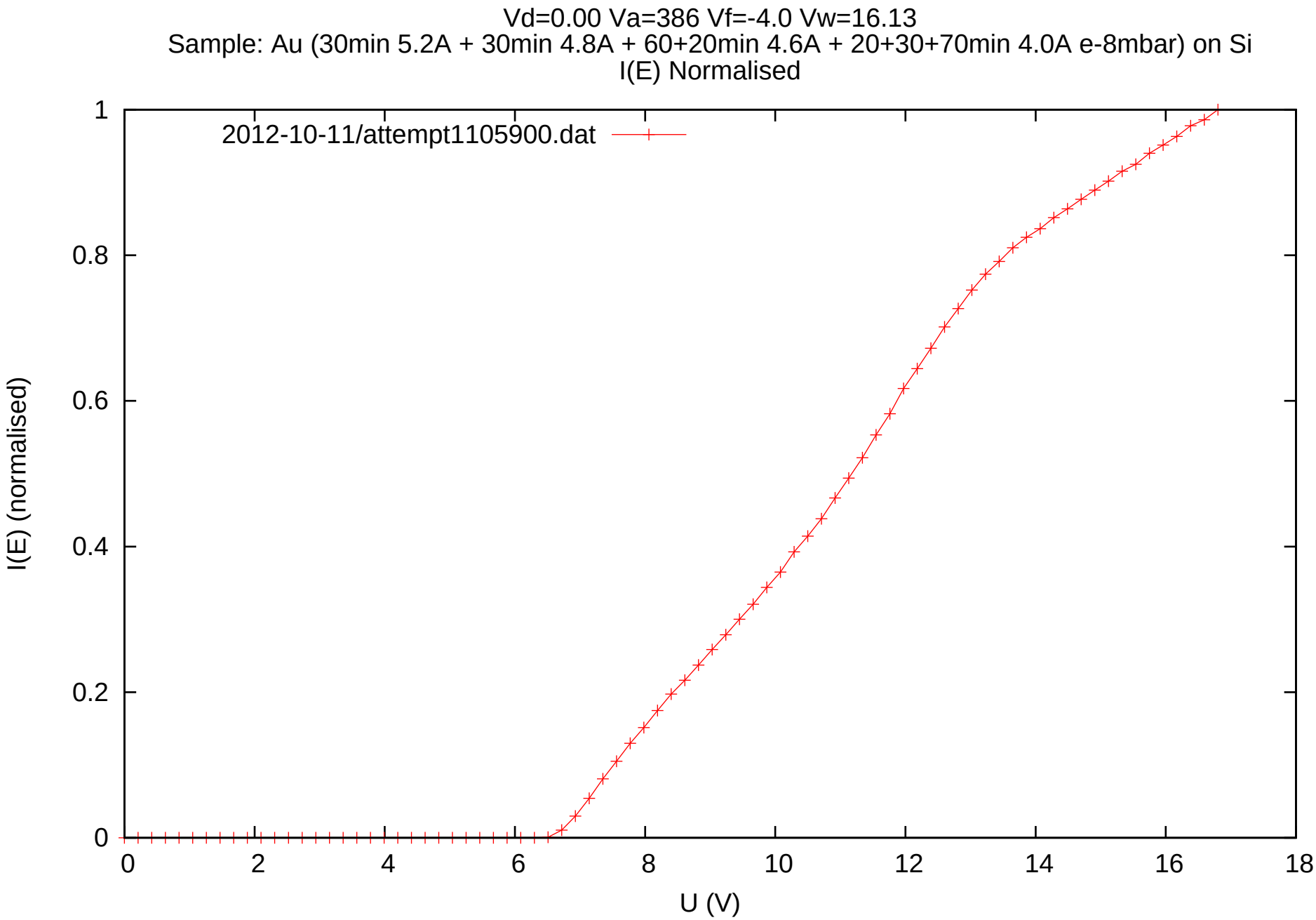

Vd=2.79 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1100400.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0
2
4
6
8
10
12
14
16
18

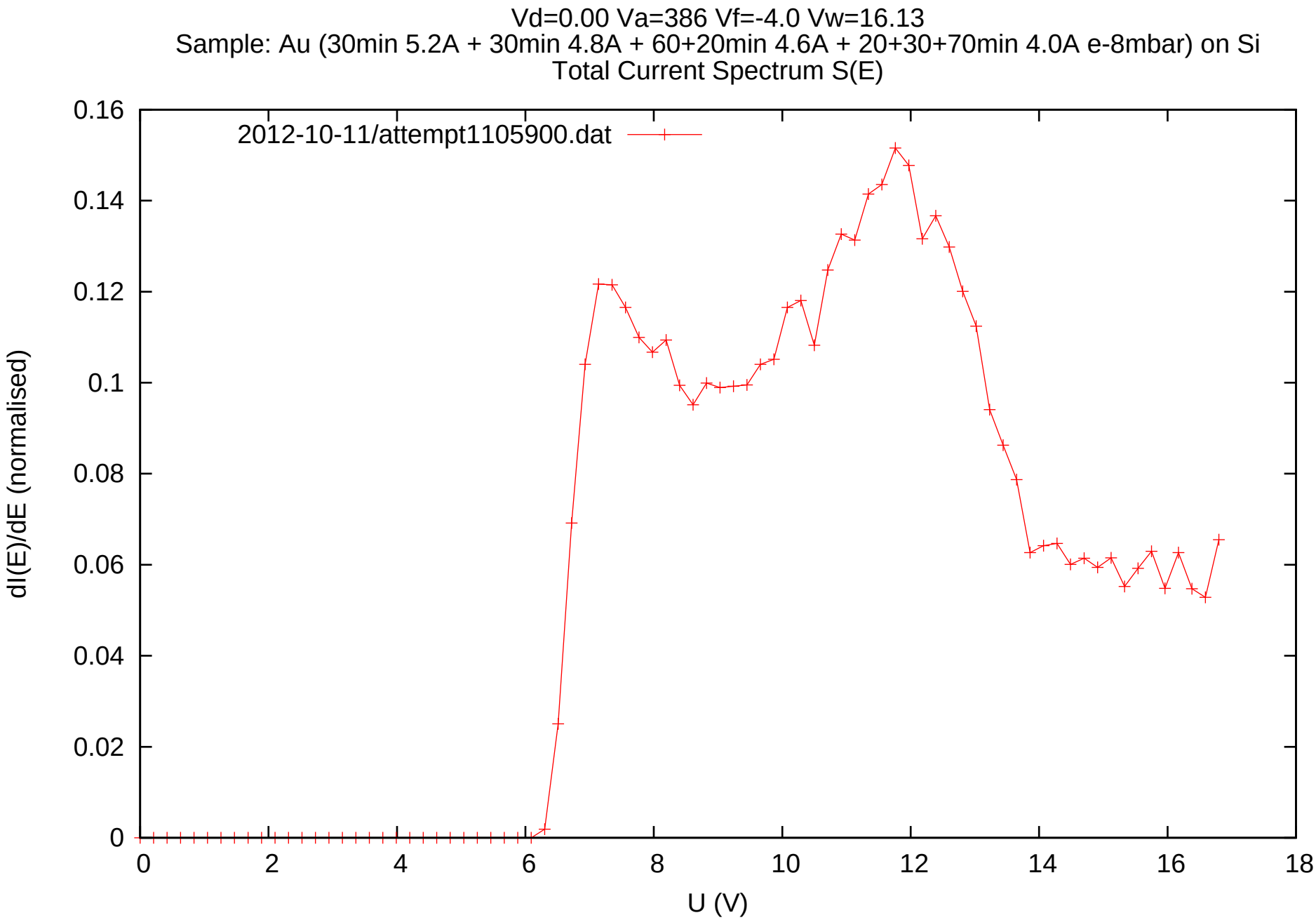

Vd=0.00 Va=264 Vf=44.3 Vw=10.47
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1113942.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

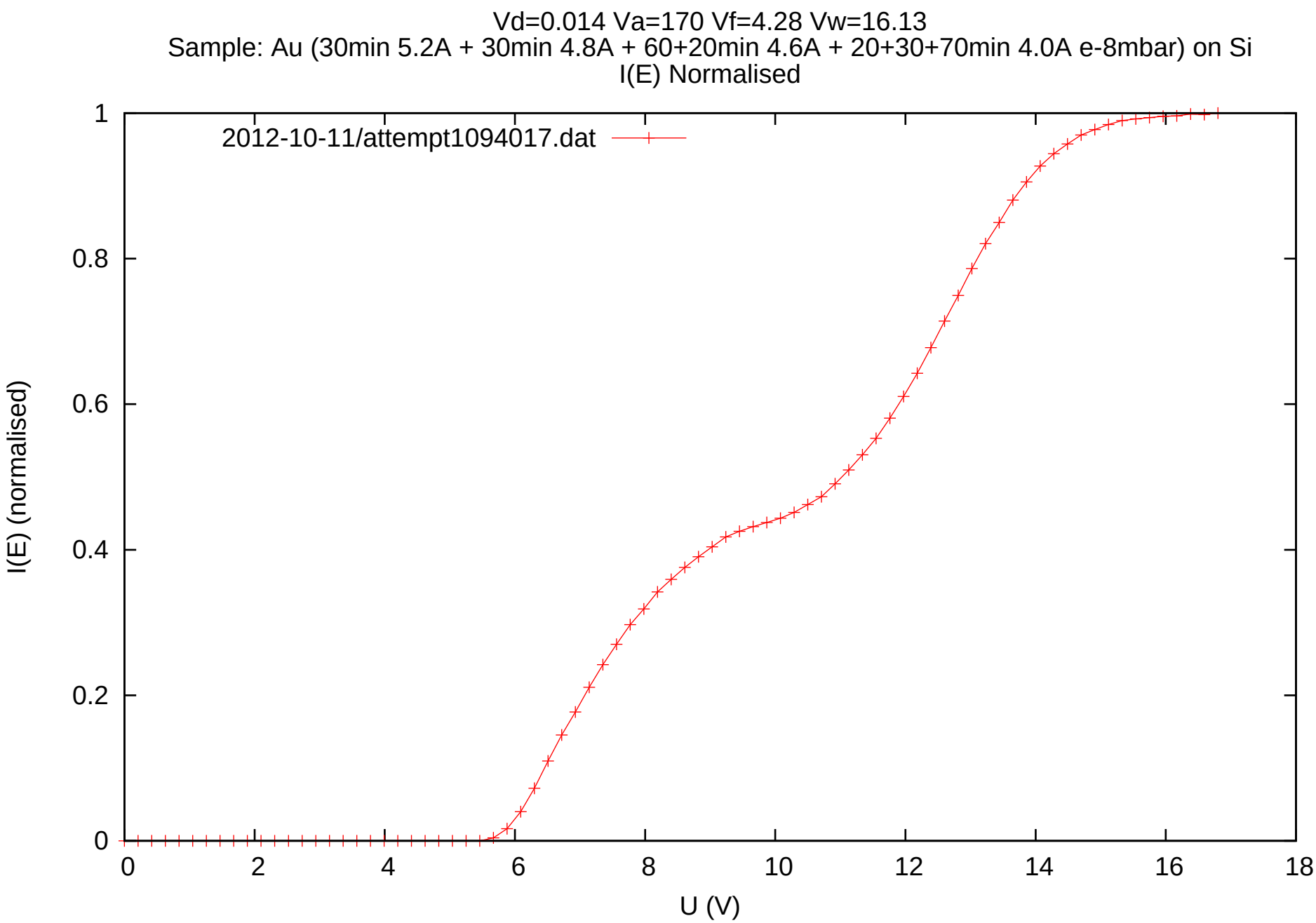

Vd=0.00 Va=264 Vf=44.3 Vw=10.47
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1113942.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0
2
4
6
8
10
12
14
16
18

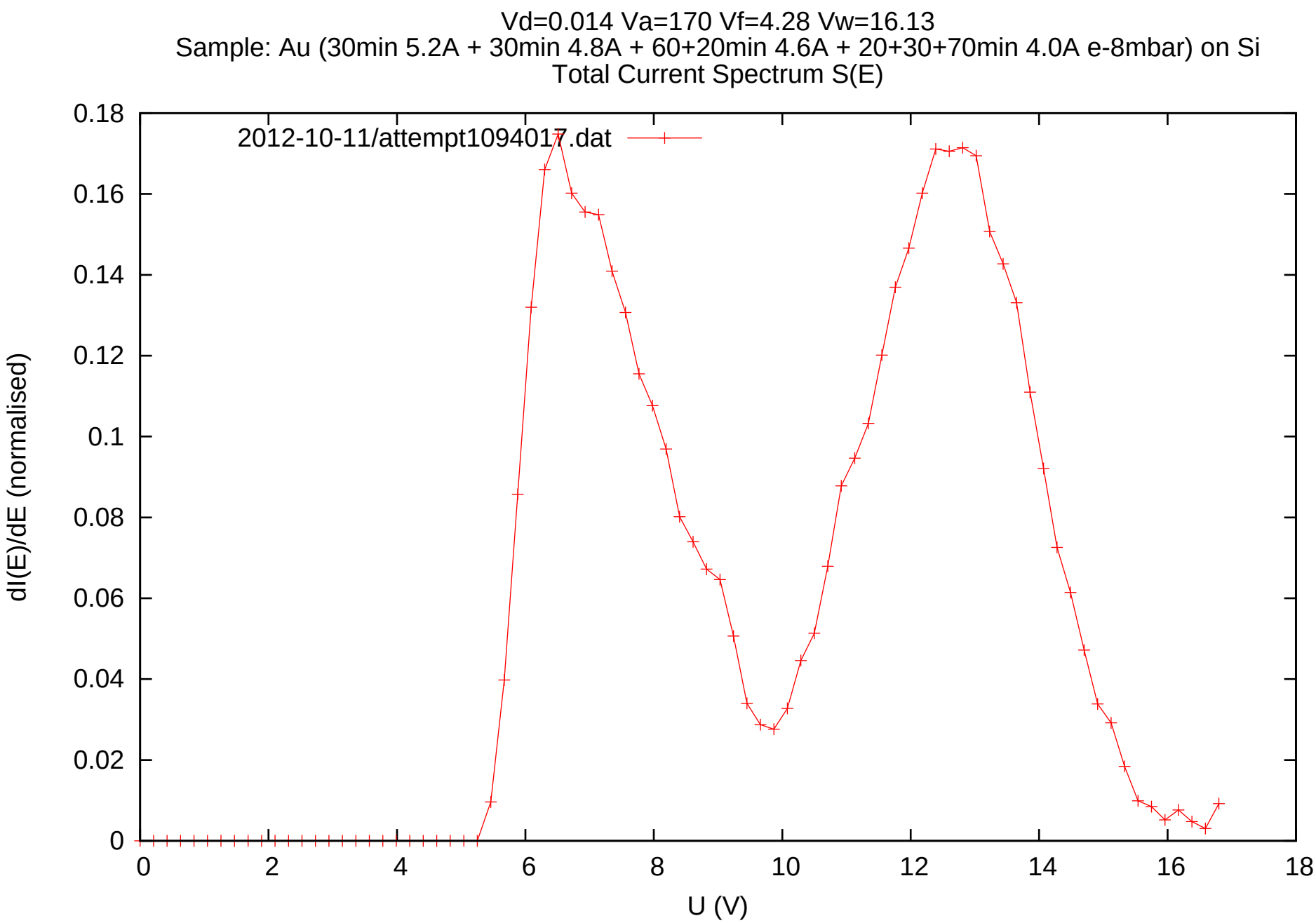

Vd=0.00 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1124841.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

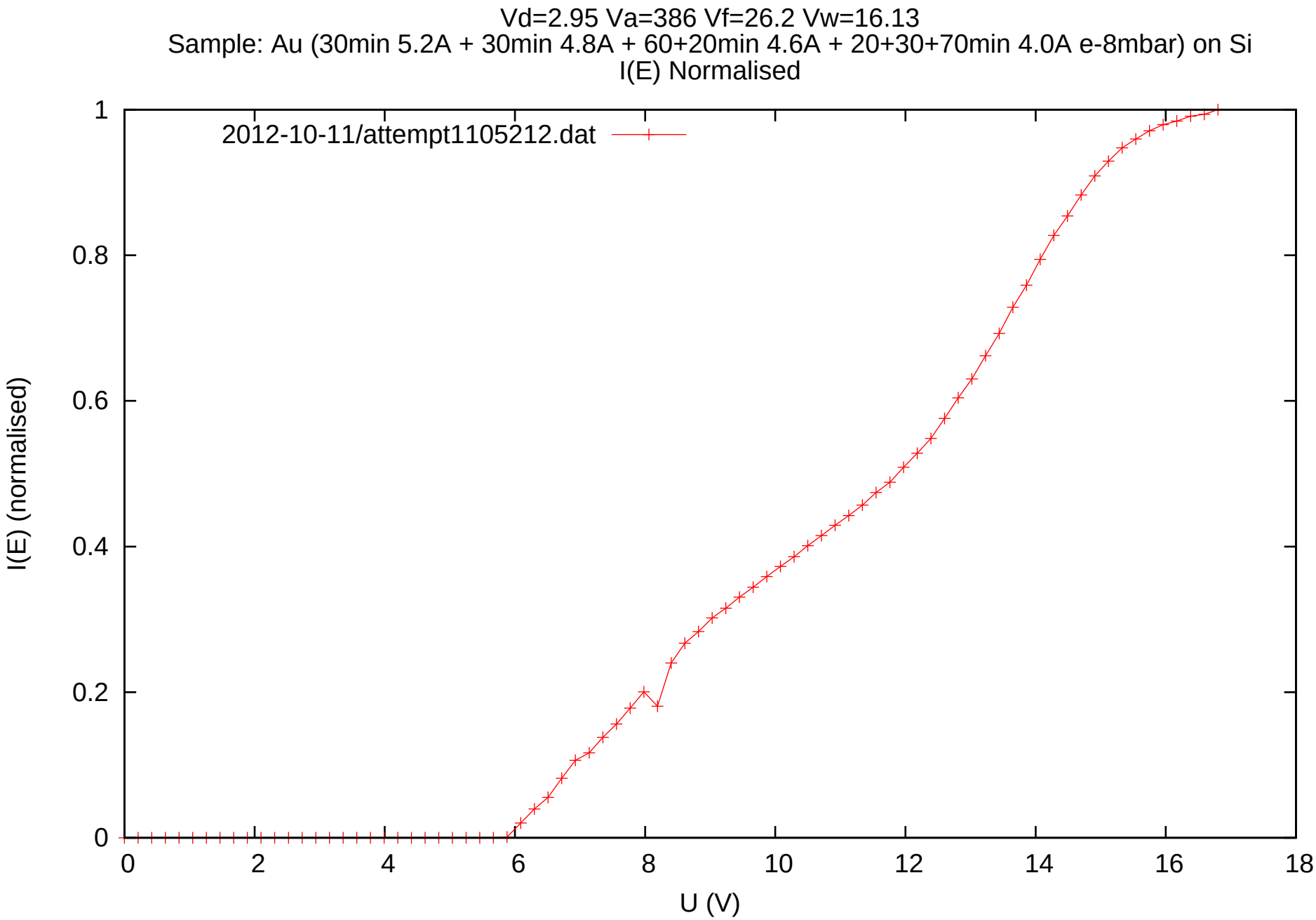

Vd=0.00 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1124841.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0
2
4
6
8
10
12
14
16
18

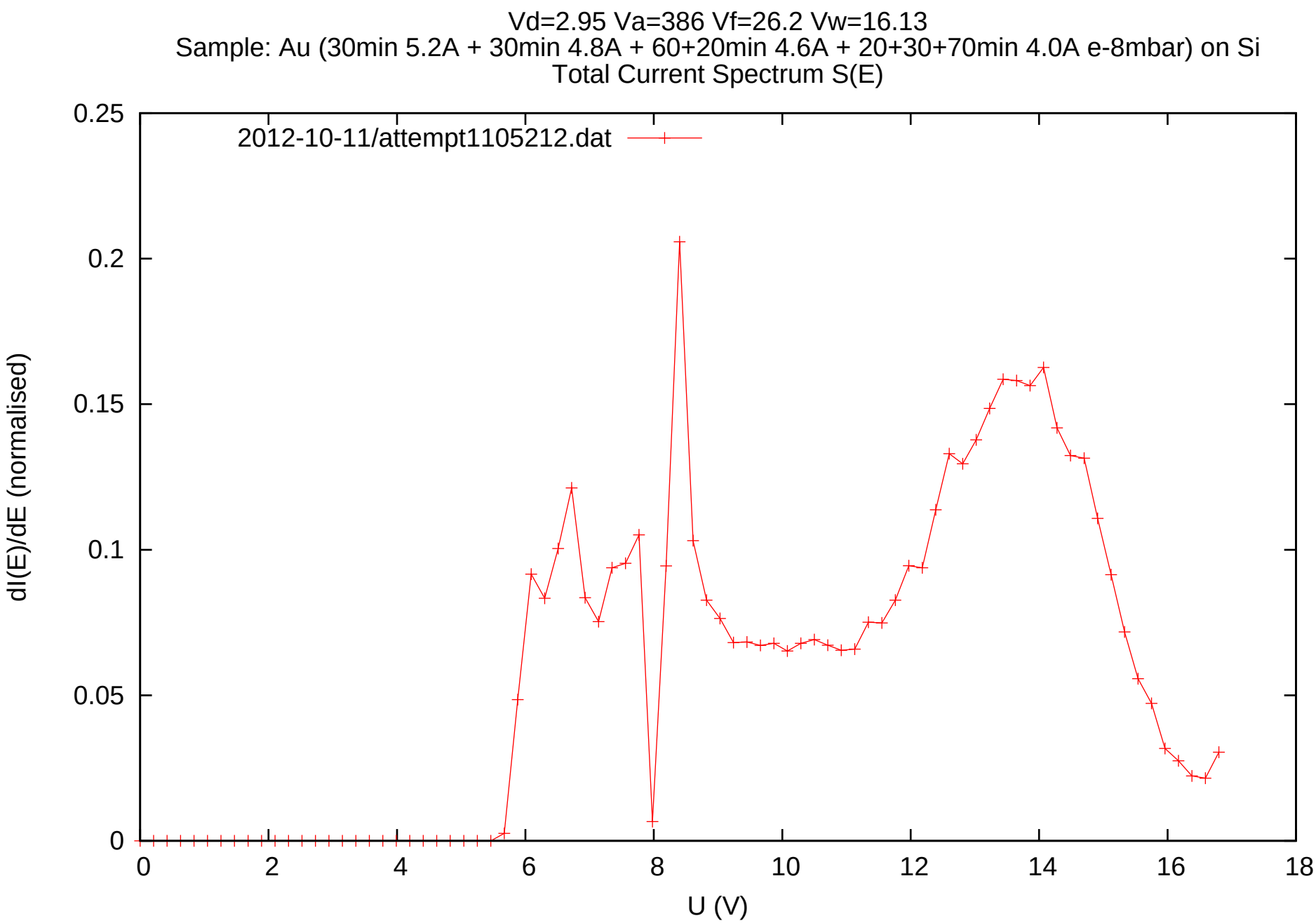

Vd=0.00 Va=386 Vf=-4.0 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1105900.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

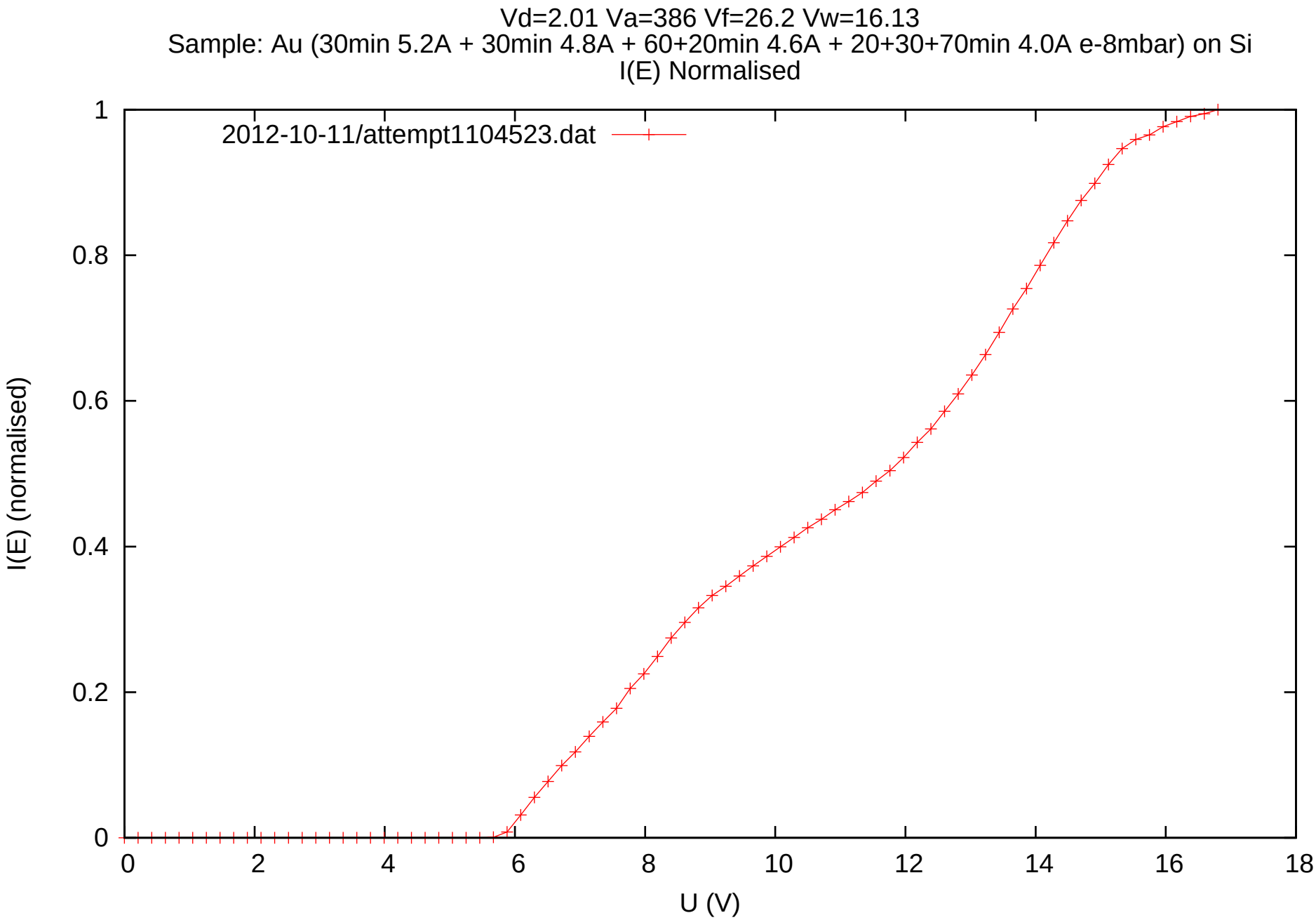

Vd=0.00 Va=386 Vf=-4.0 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1105900.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0
2
4
6
8
10
12
14
16
18

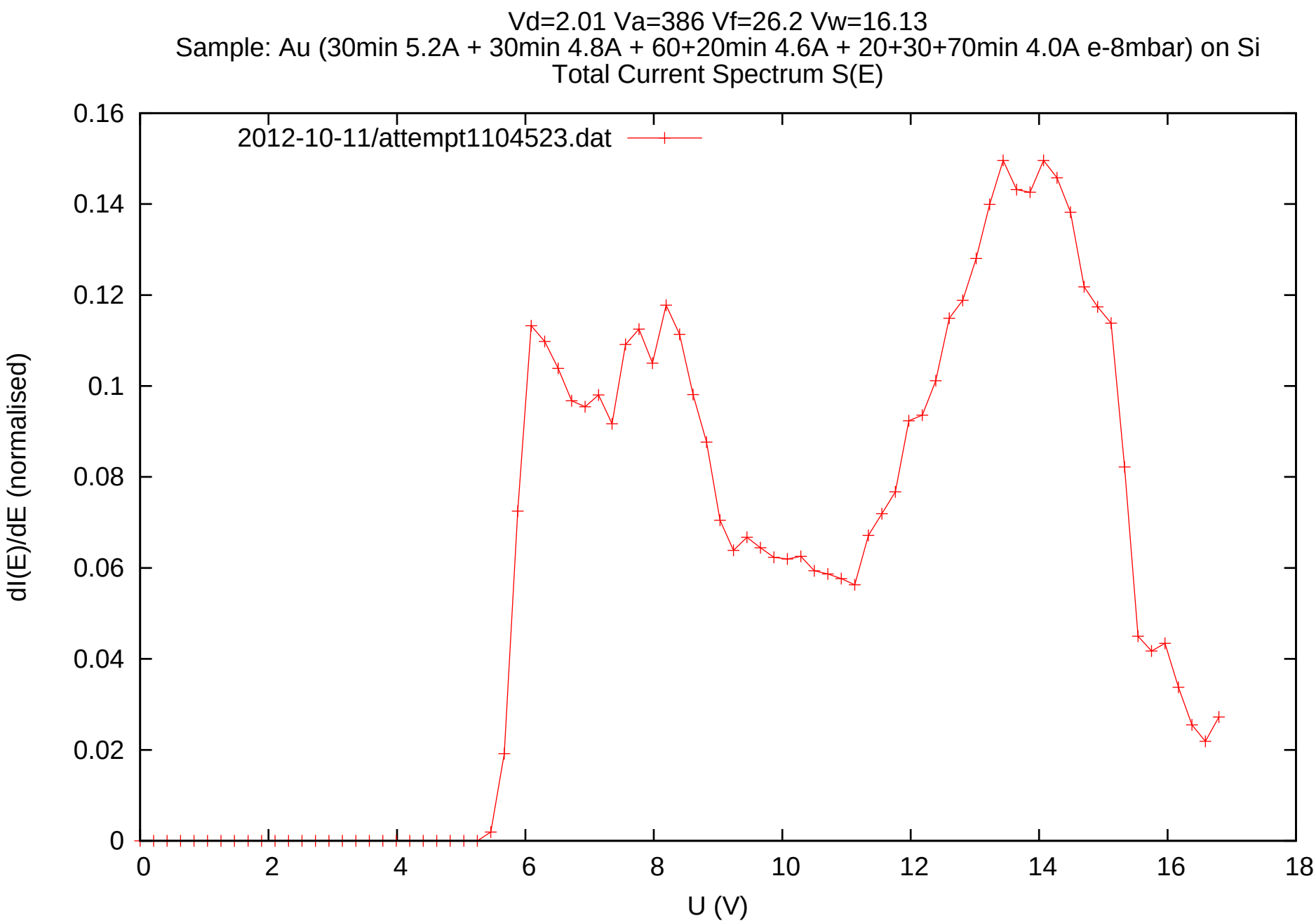

Vd=0.014 Va=170 Vf=4.28 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1094017.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

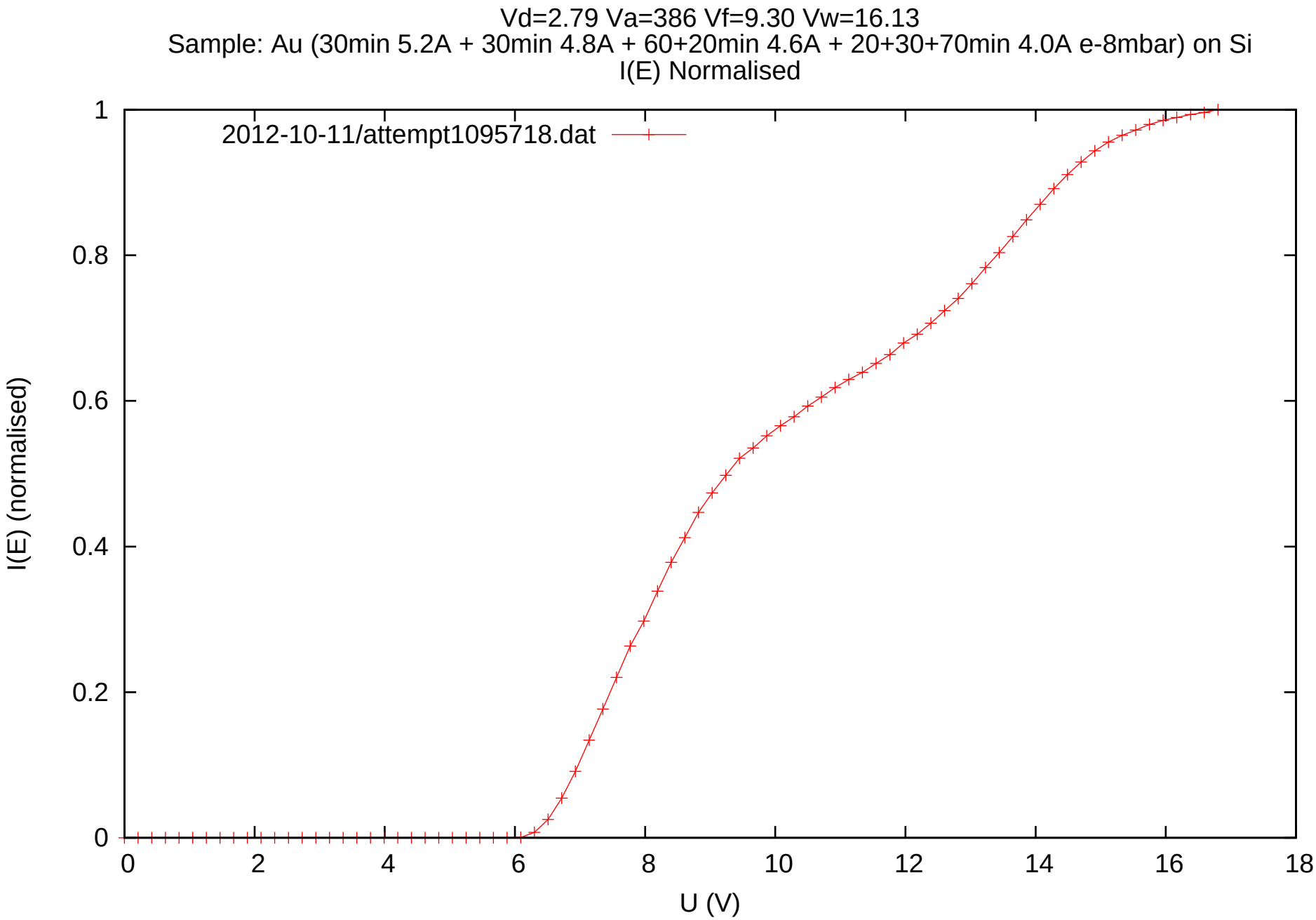

Vd=0.014 Va=170 Vf=4.28 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1094017.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0
2
4
6
8
10
12
14
16
18

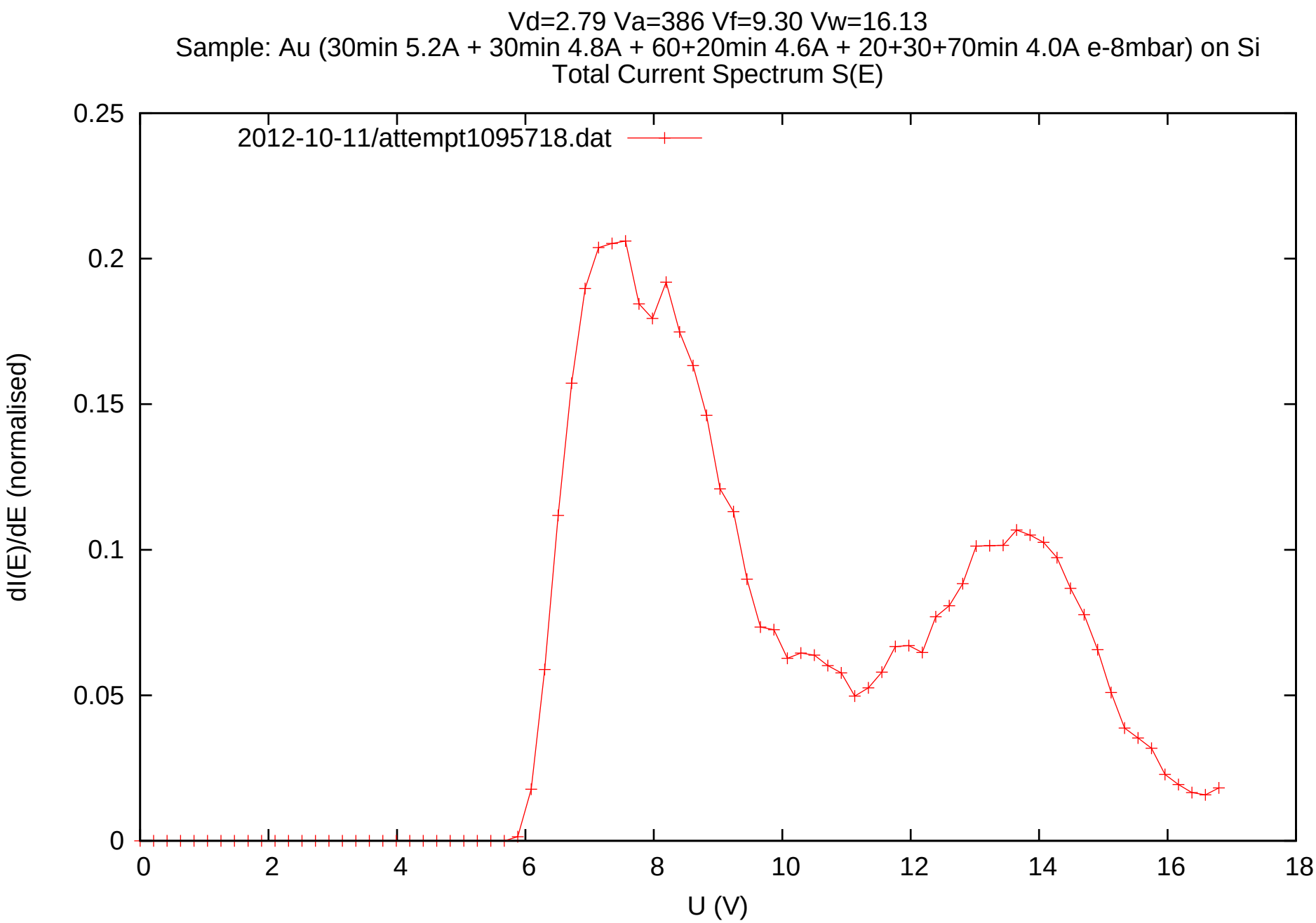

Vd=2.95 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1105212.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

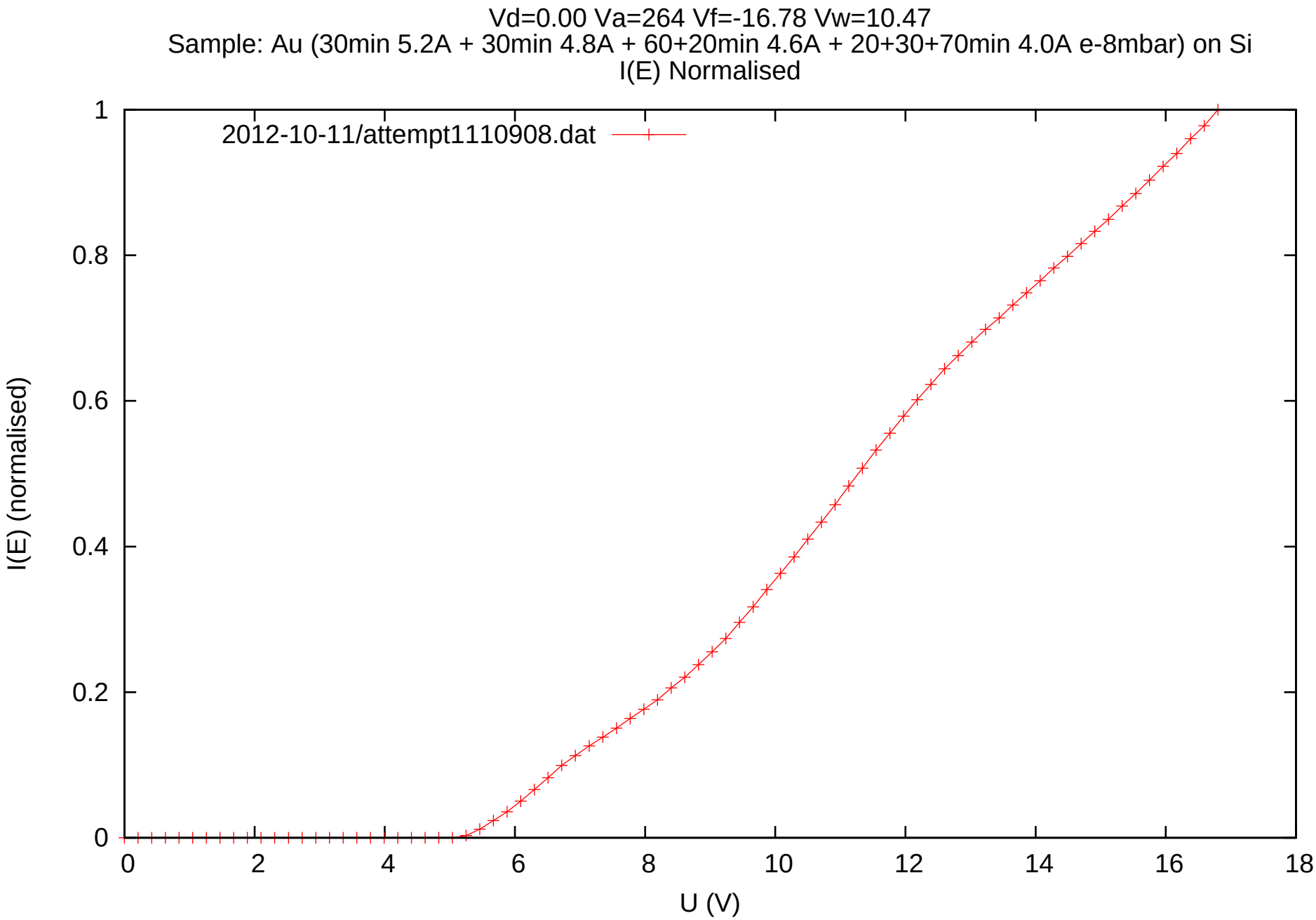

Vd=2.95 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1105212.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0
2
4
6
8
10
12
14
16
18

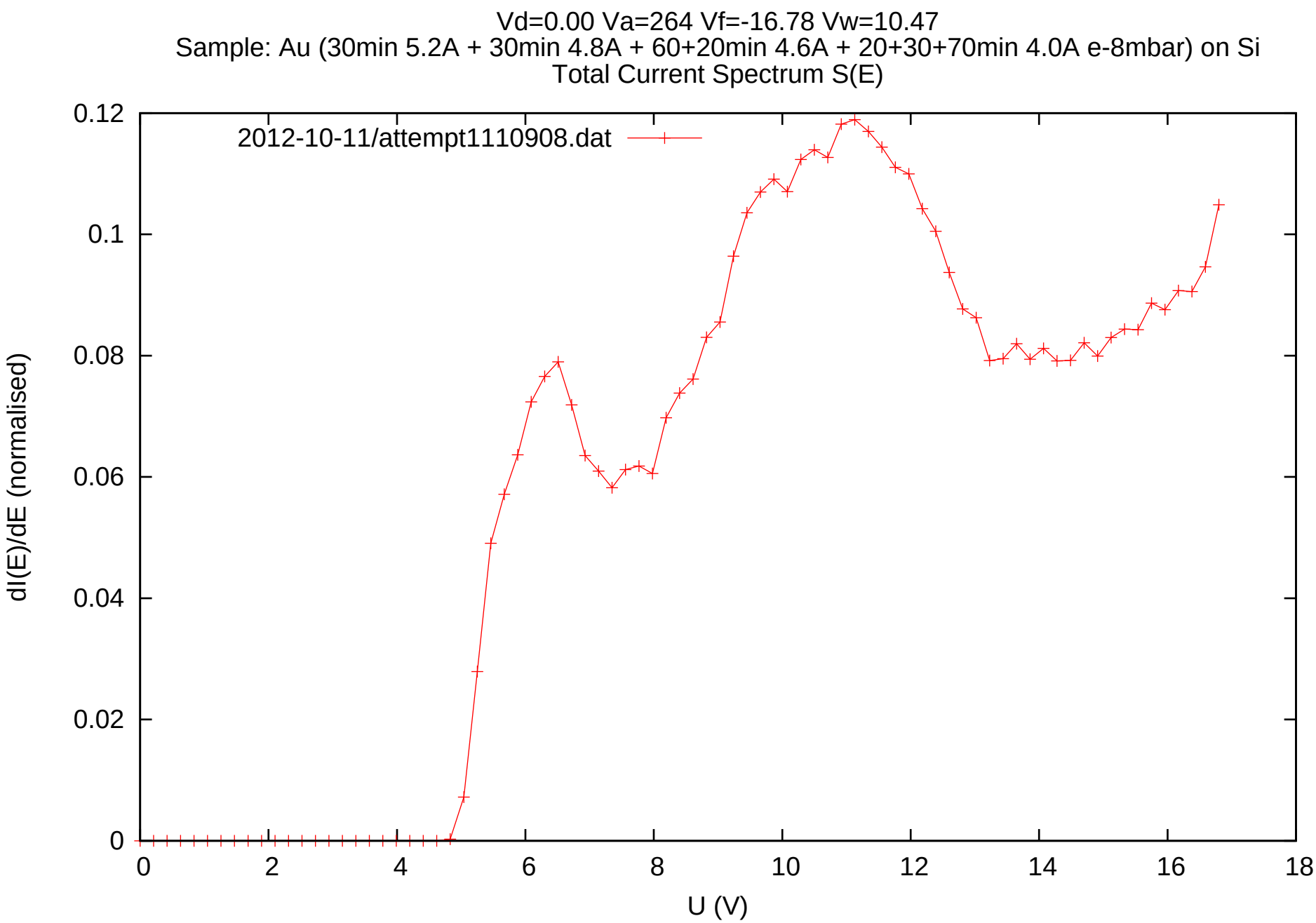

Vd=2.01 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1104523.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

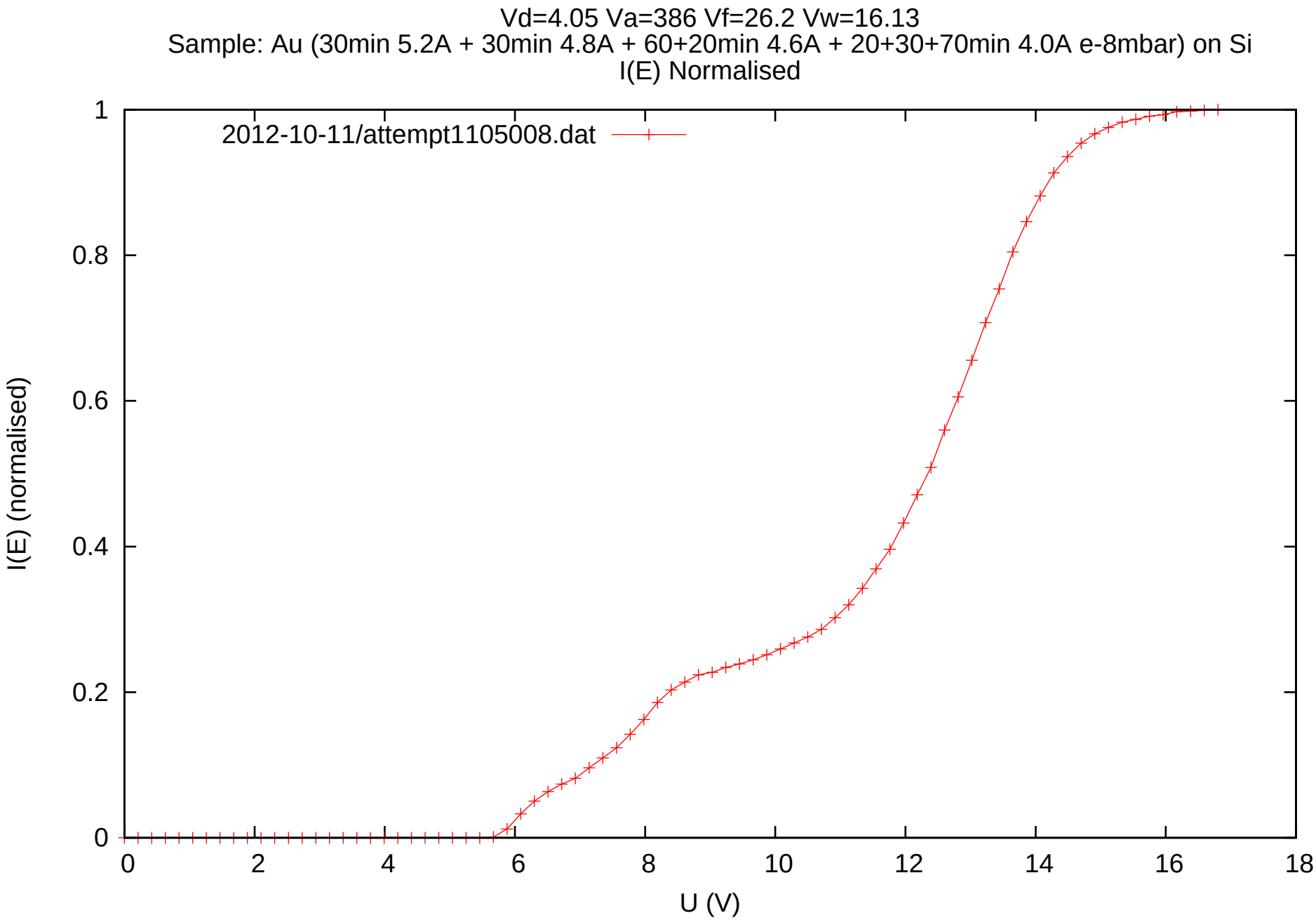

Vd=2.01 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1104523.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0
2
4
6
8
10
12
14
16
18

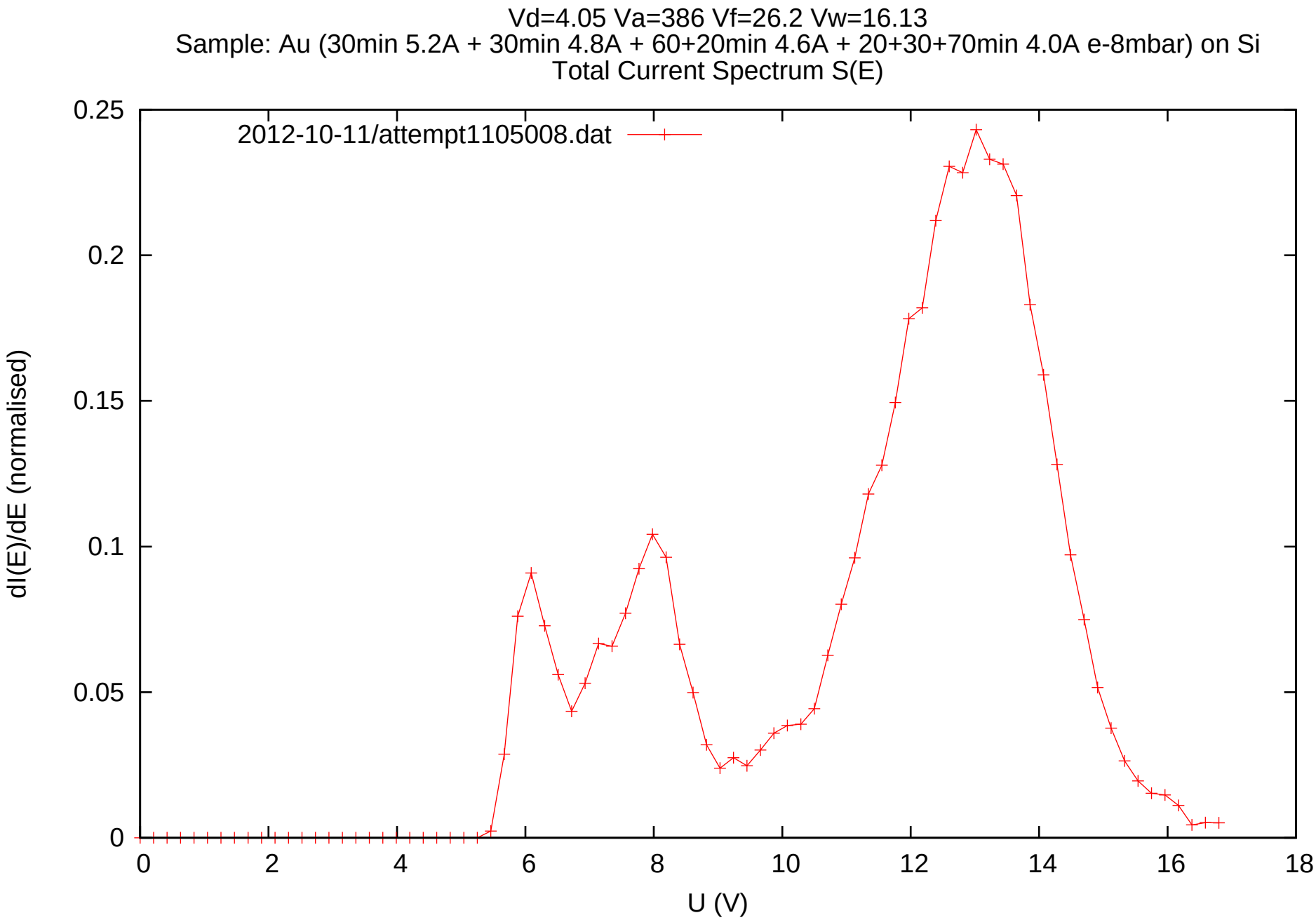

Vd=2.79 Va=386 Vf=9.30 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1095718.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

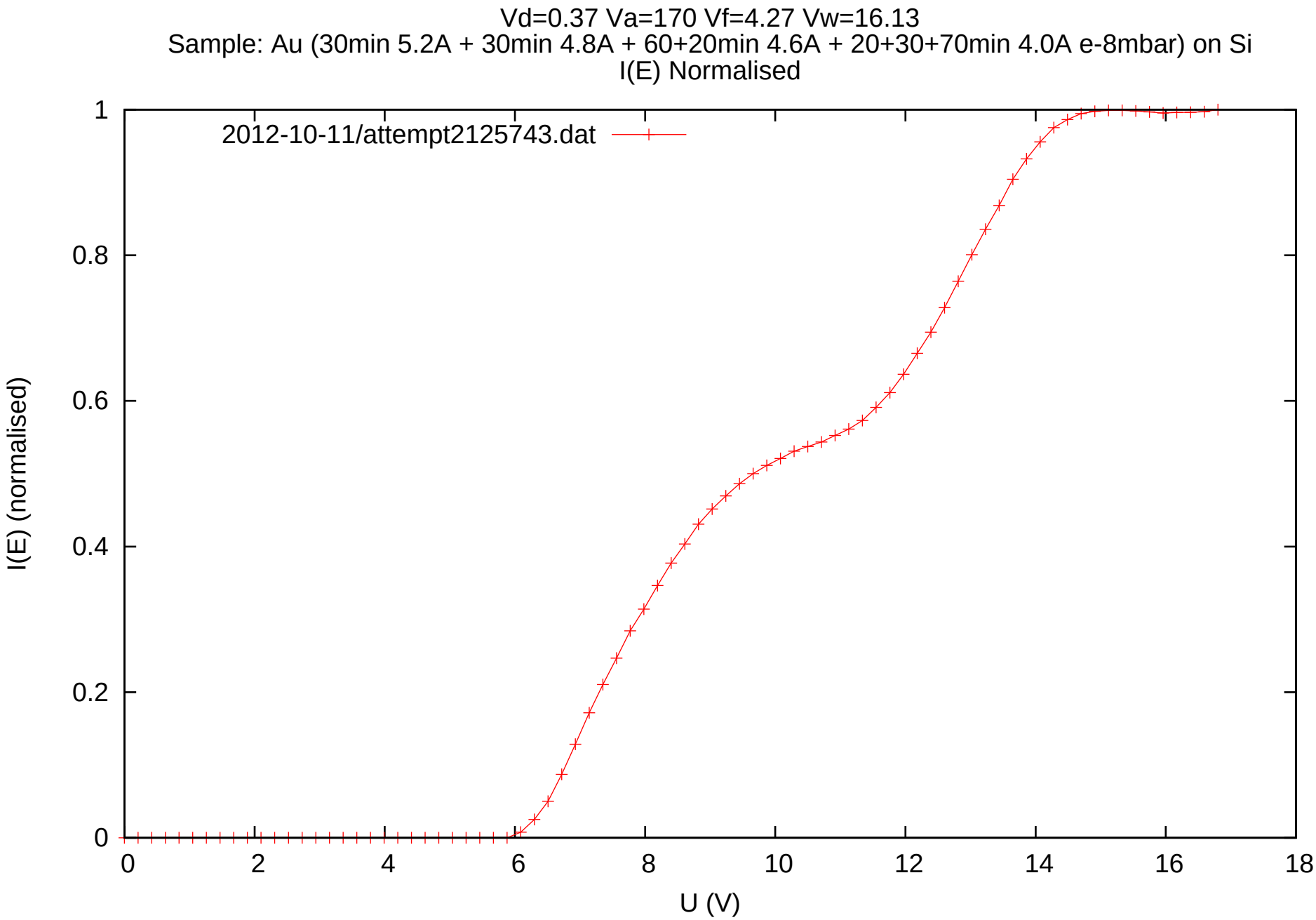

Vd=2.79 Va=386 Vf=9.30 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1095718.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0
2
4
6
8
10
12
14
16
18

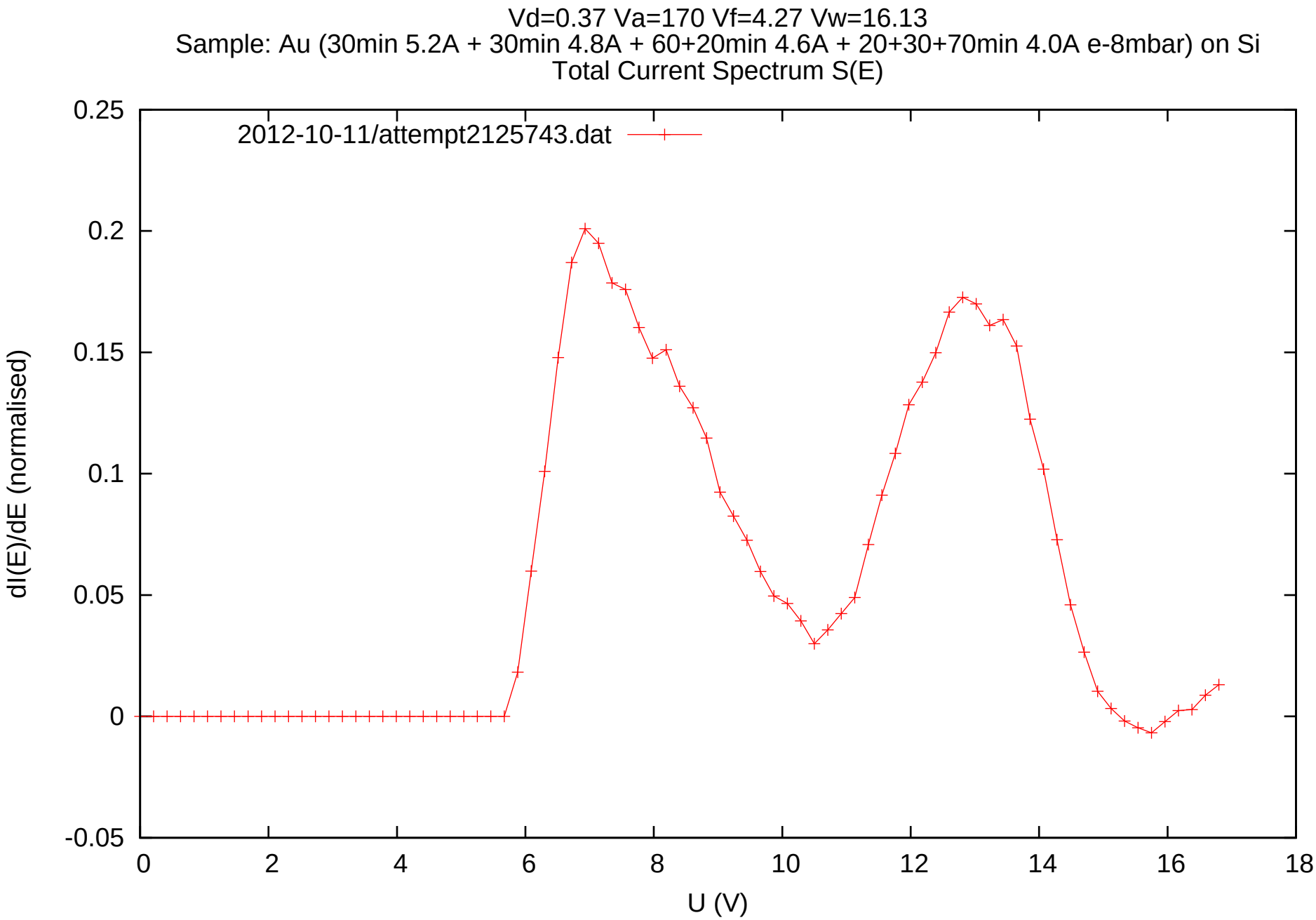

Vd=0.00 Va=264 Vf=-16.78 Vw=10.47
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1110908.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

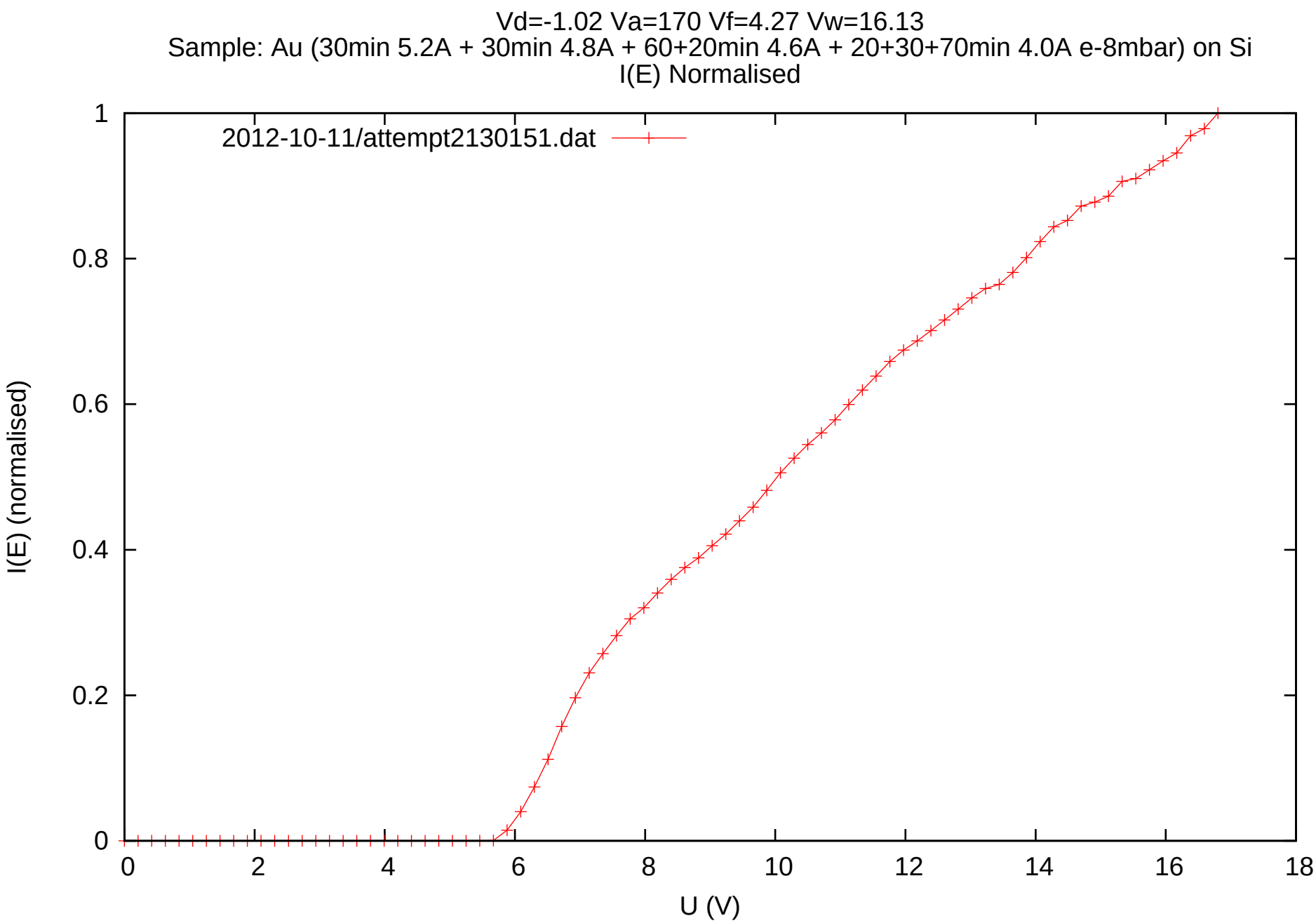

Vd=0.00 Va=264 Vf=-16.78 Vw=10.47
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1110908.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0
2
4
6
8
10
12
14
16
18

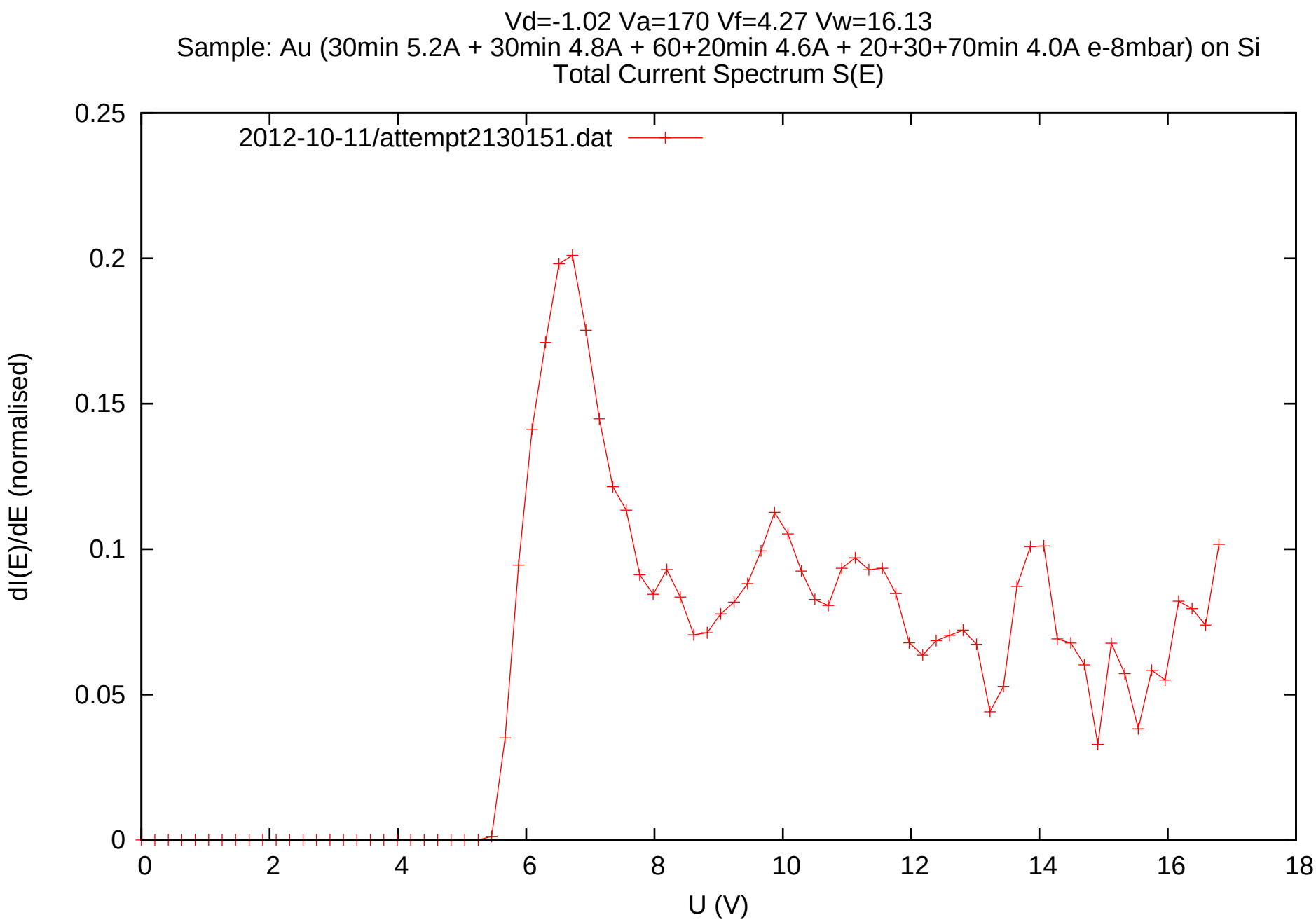

Vd=4.05 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt1105008.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

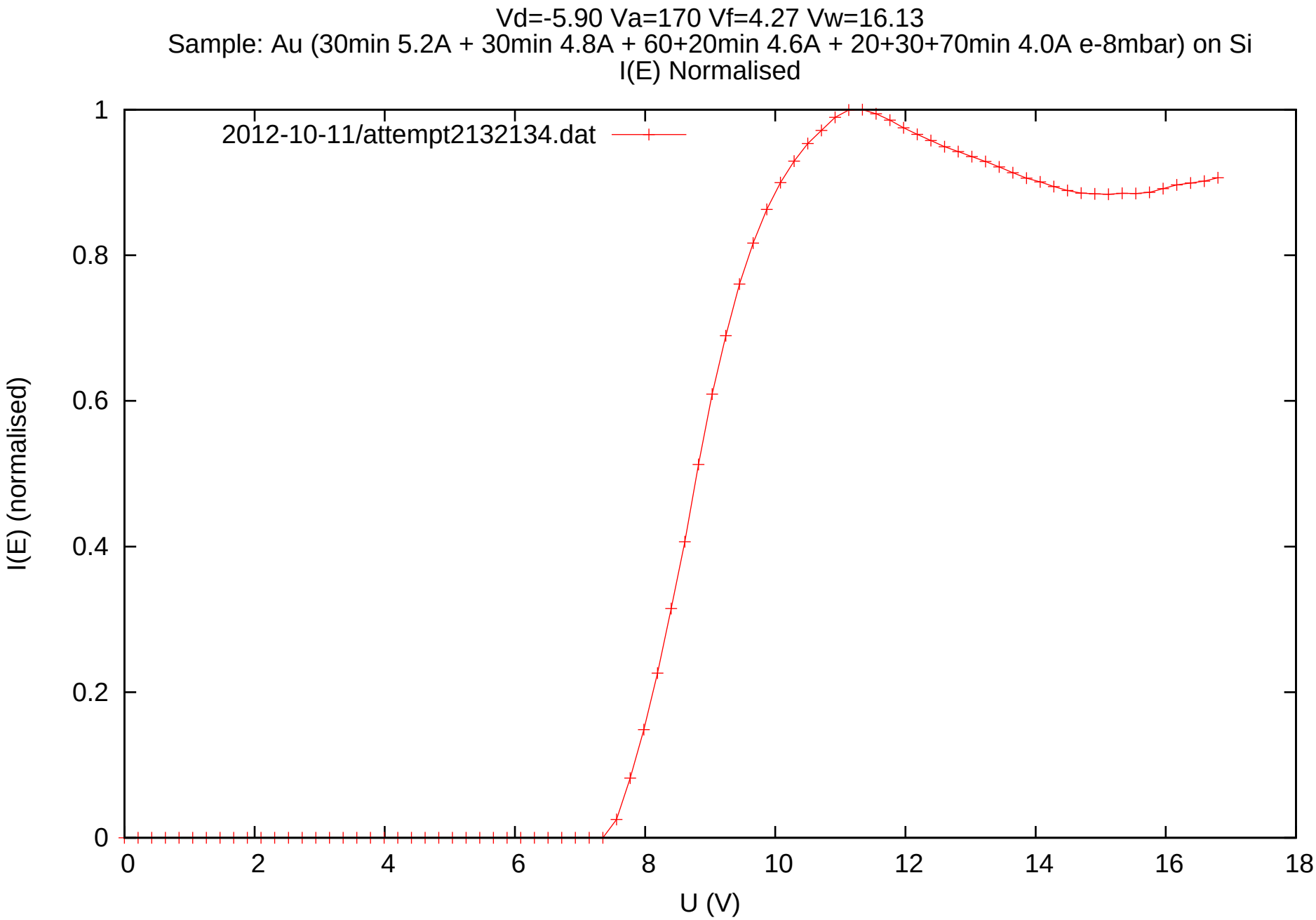

Vd=4.05 Va=386 Vf=26.2 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt1105008.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0
2
4
6
8
10
12
14
16
18

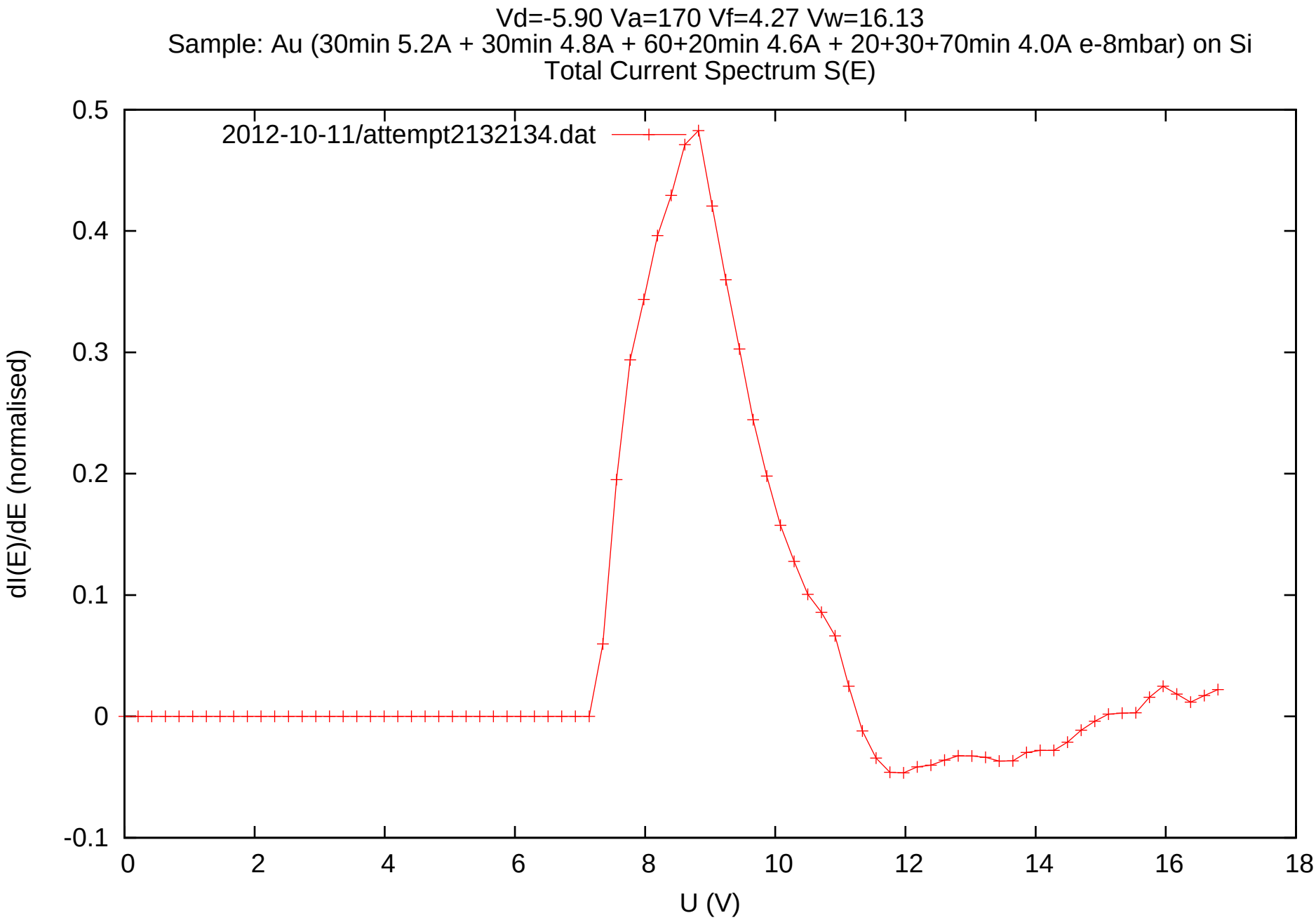

Vd=0.37 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2125743.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

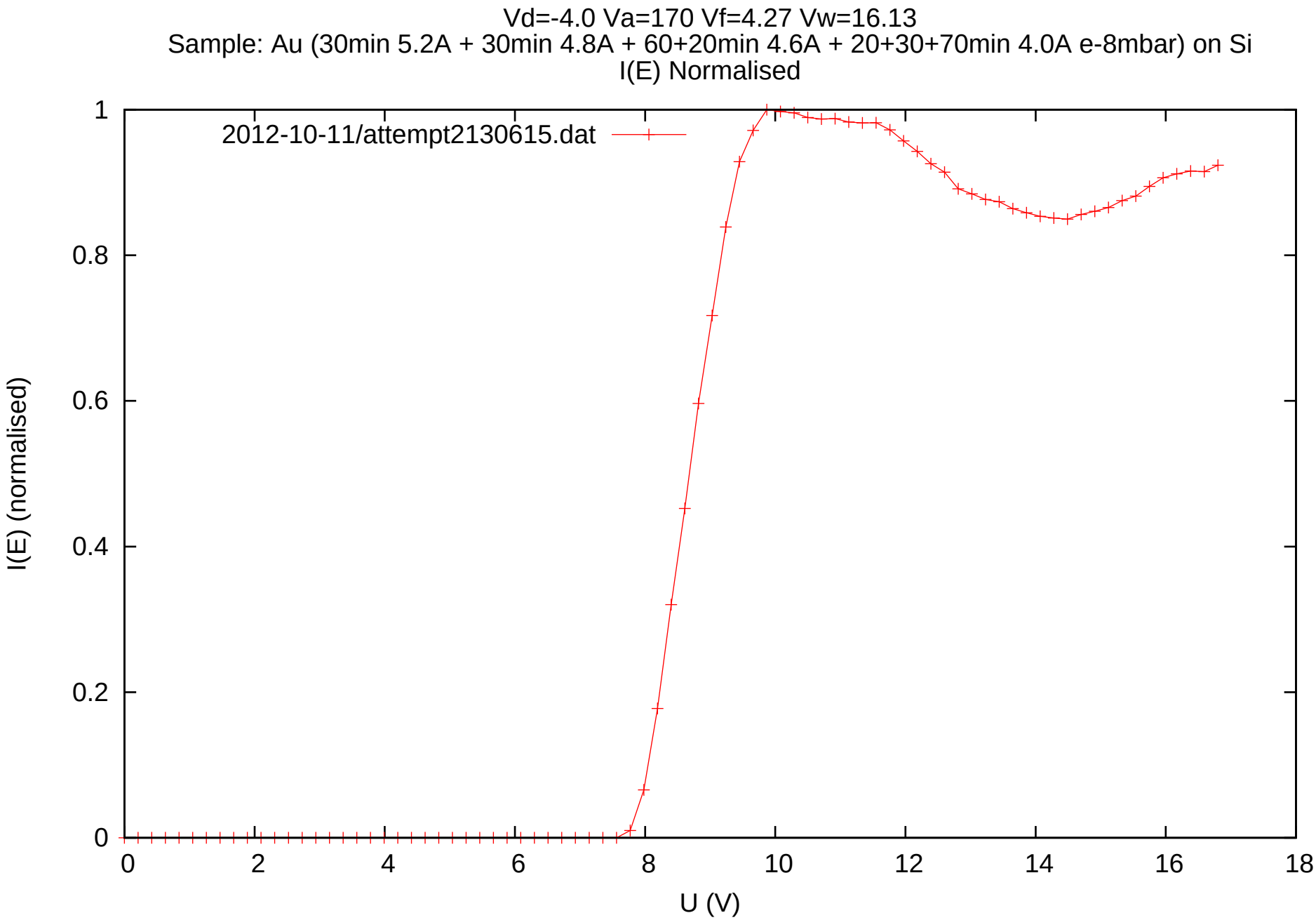

Vd=0.37 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2125743.dat
dI(E)/dE (normalised)
U (V)
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18

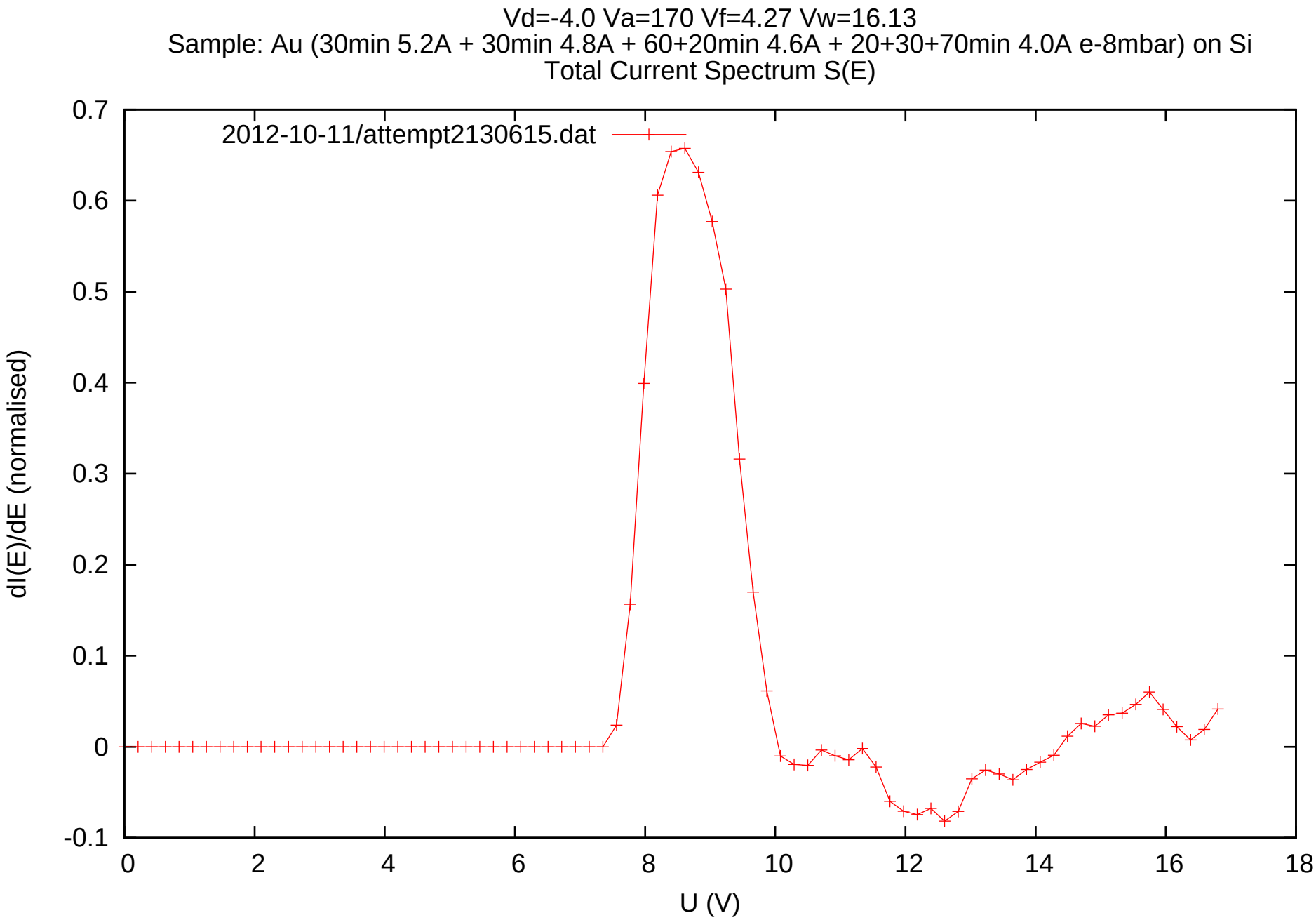

Vd=-1.02 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2130151.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

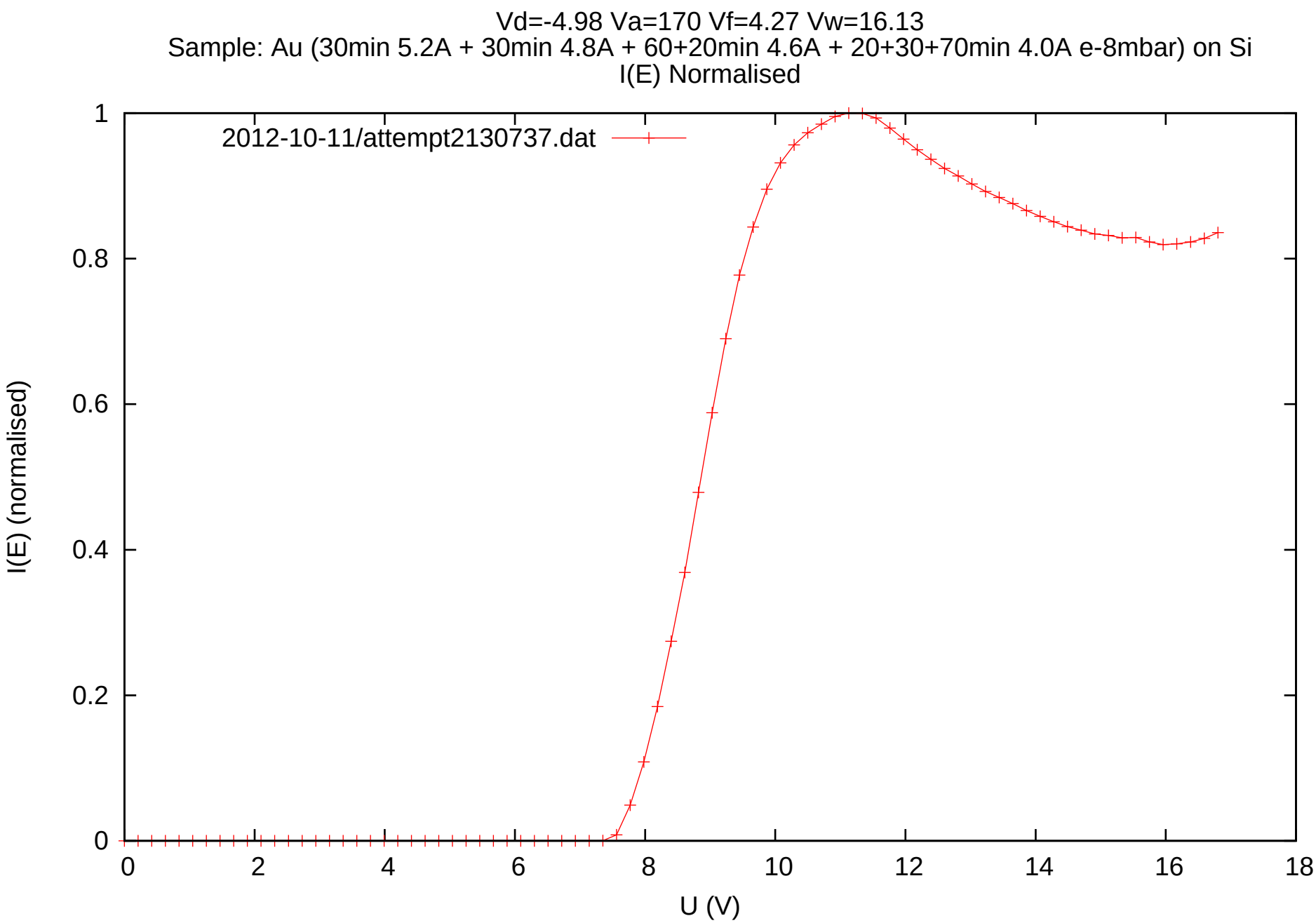

Vd=-1.02 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2130151.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0
2
4
6
8
10
12
14
16
18

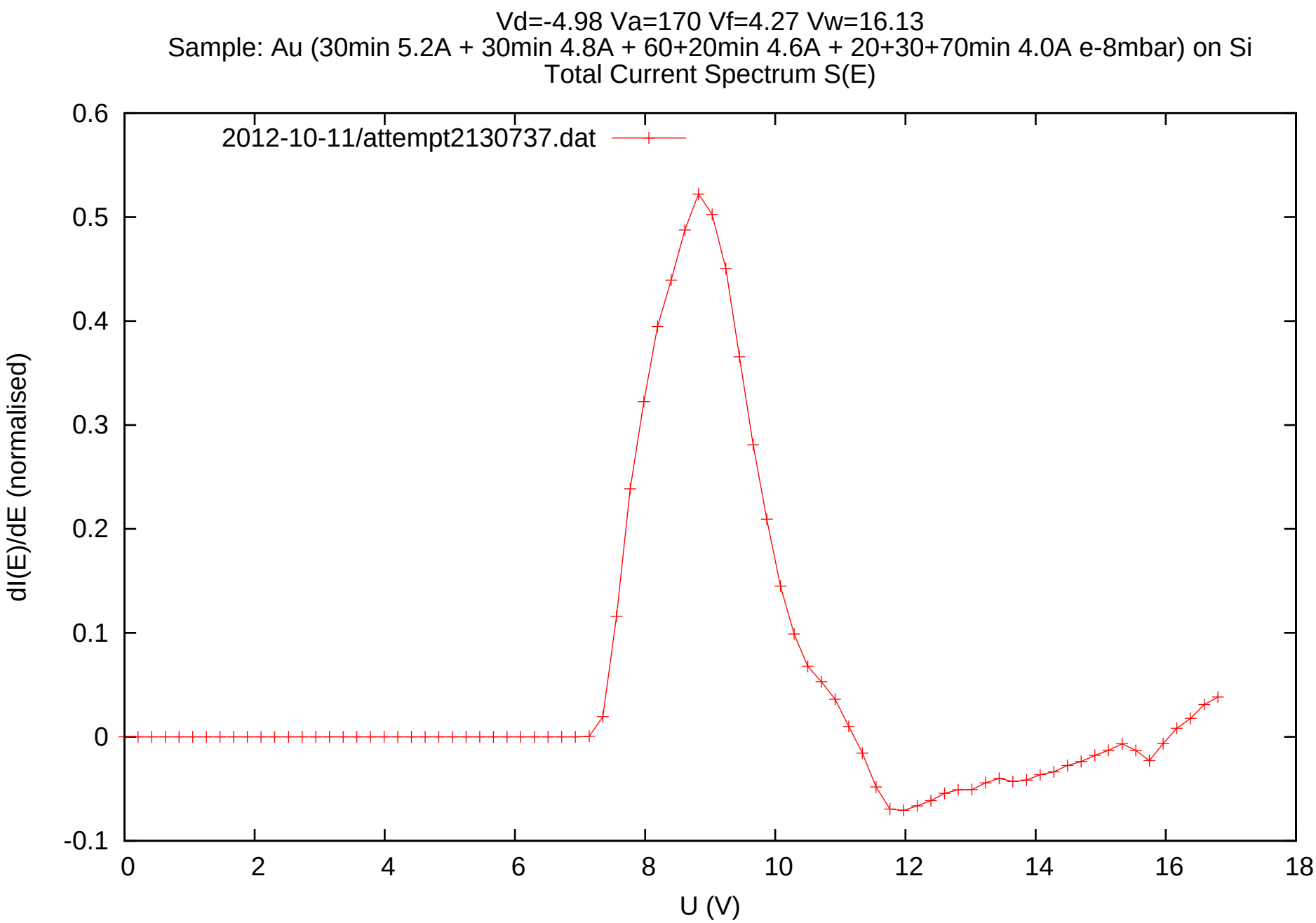

Vd=-5.90 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2132134.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

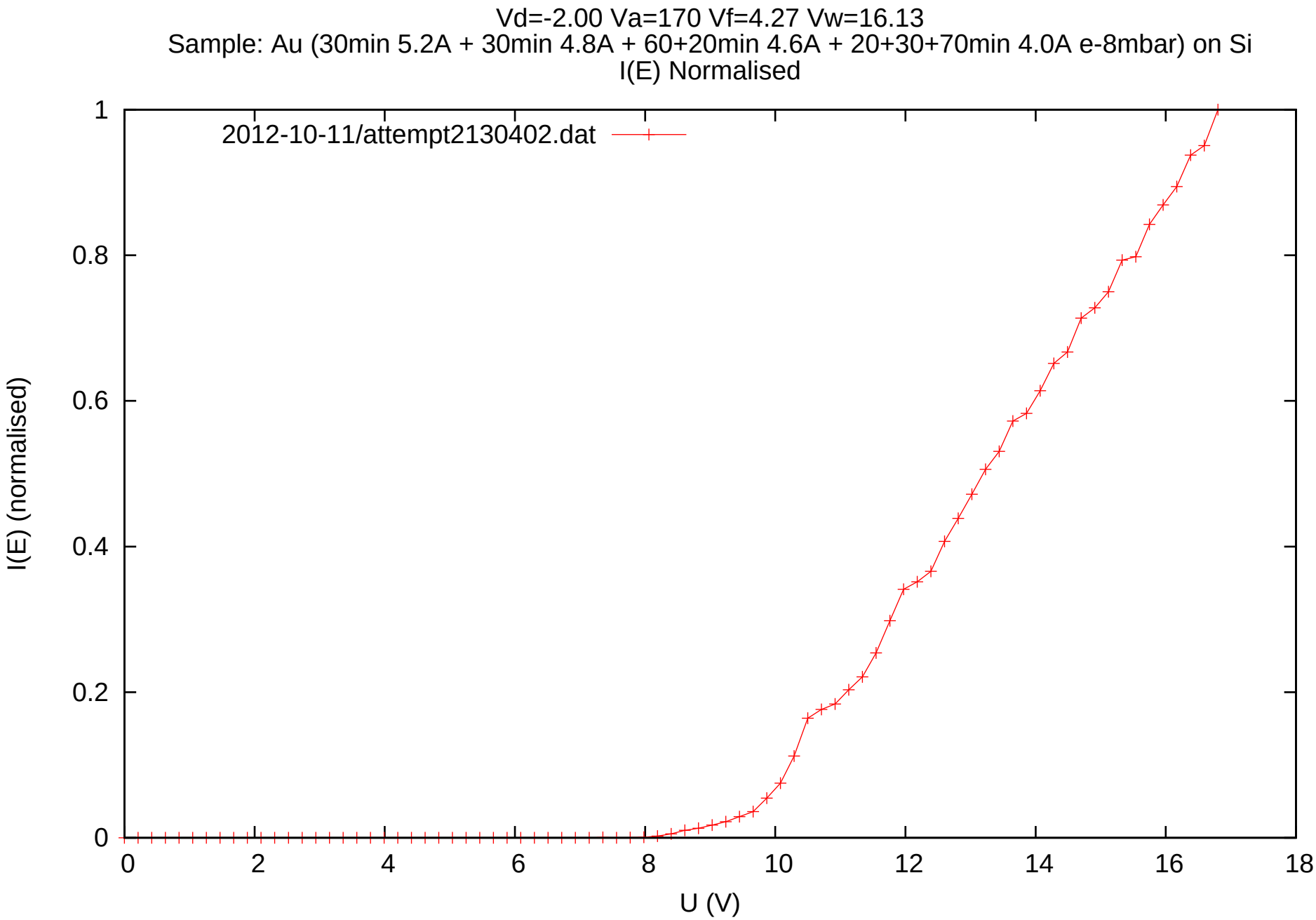

Vd=-5.90 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2132134.dat
dI(E)/dE (normalised)
U (V)
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
2
4
6
8
10
12
14
16
18

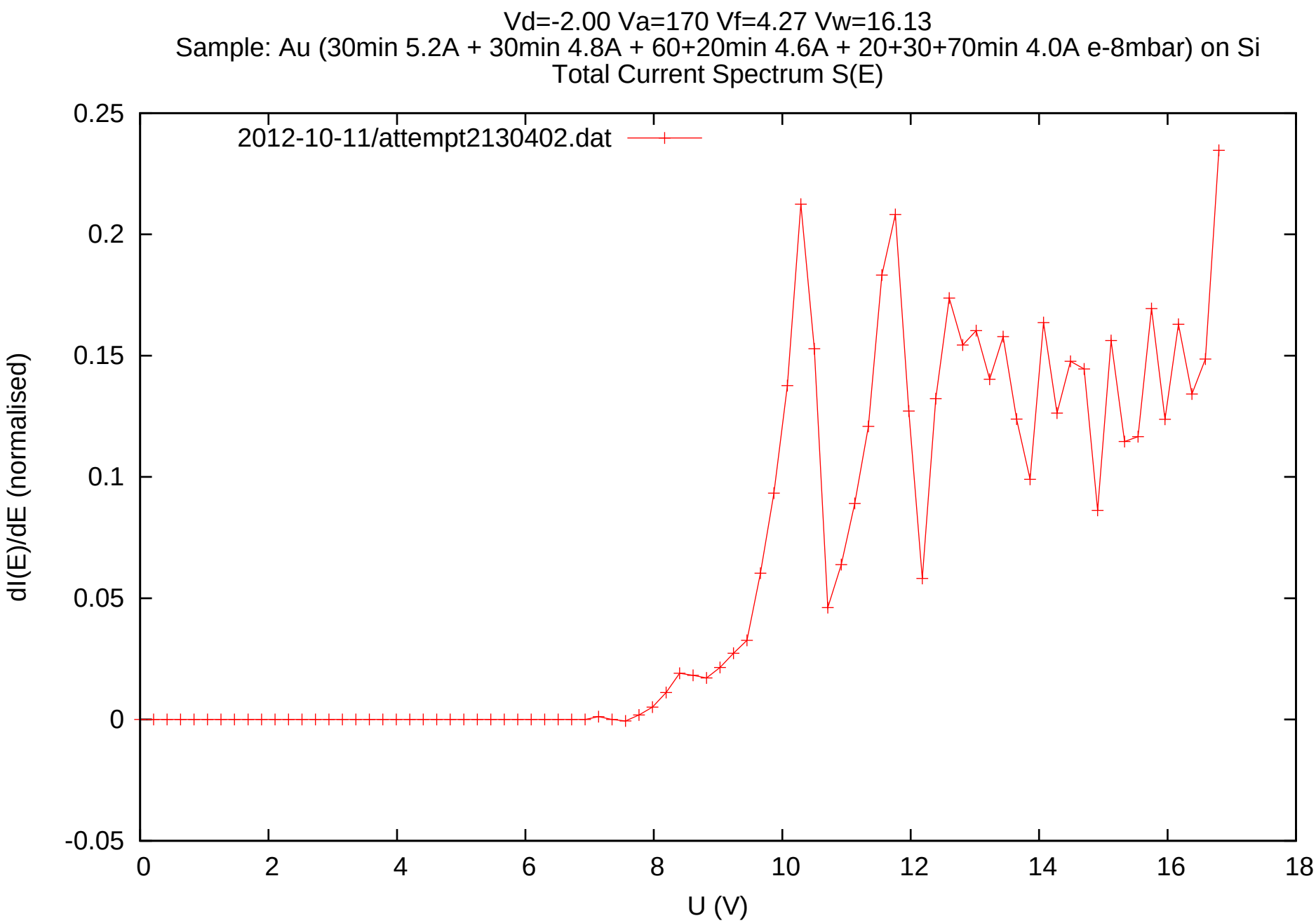

Vd=-4.0 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2130615.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

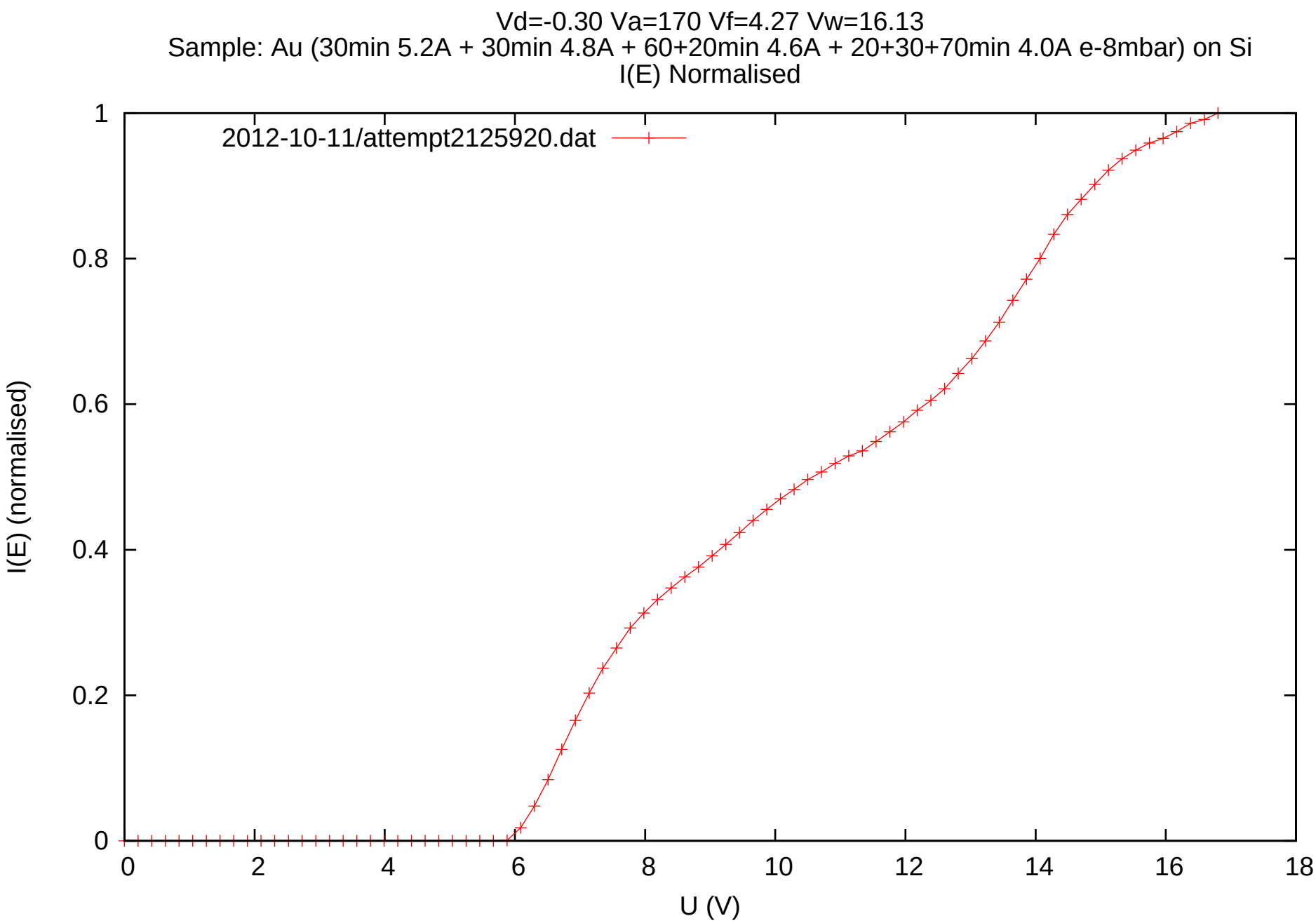

Vd=-4.0 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2130615.dat
dI(E)/dE (normalised)
U (V)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
2
4
6
8
10
12
14
16
18

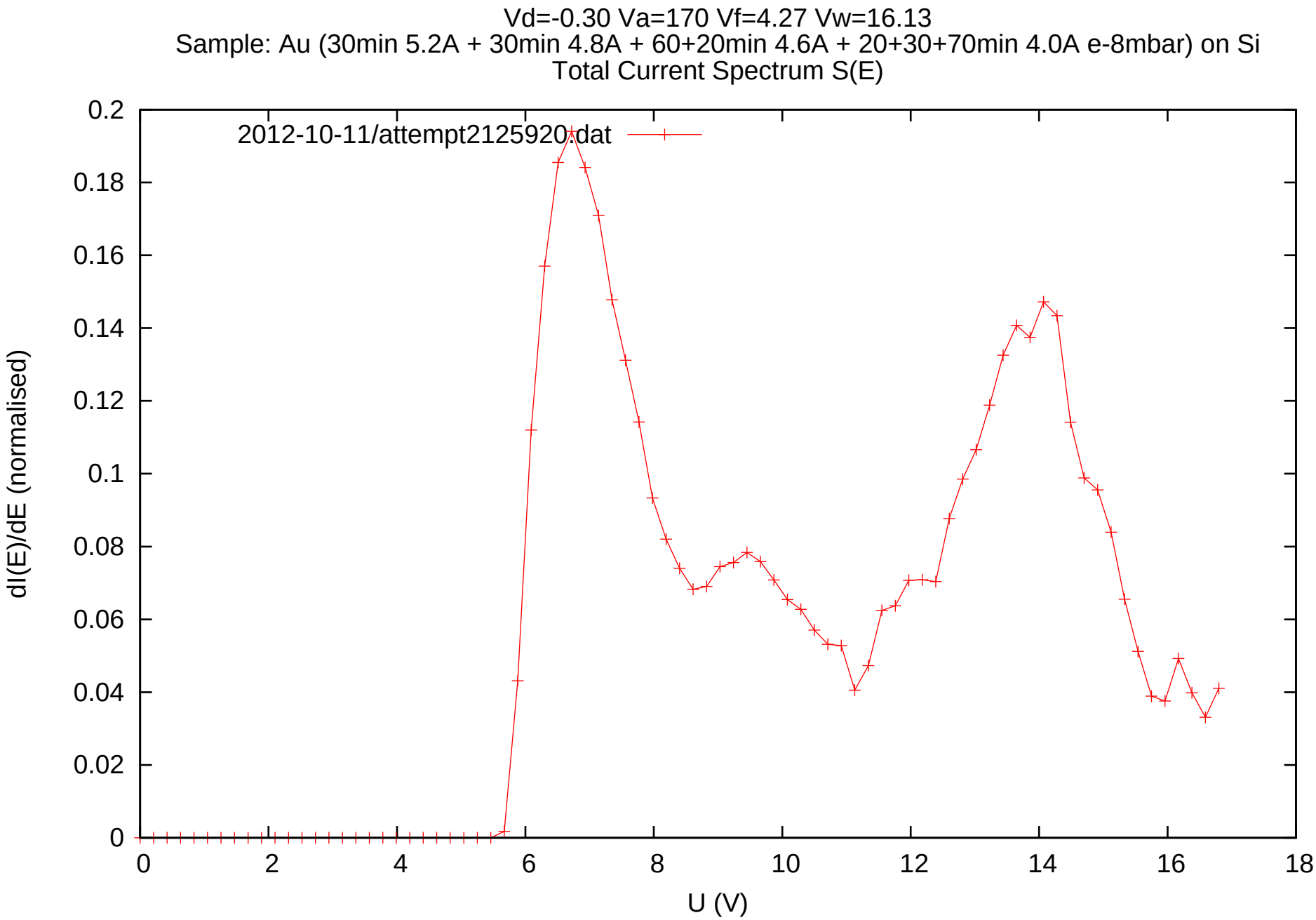

Vd=-4.98 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2130737.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

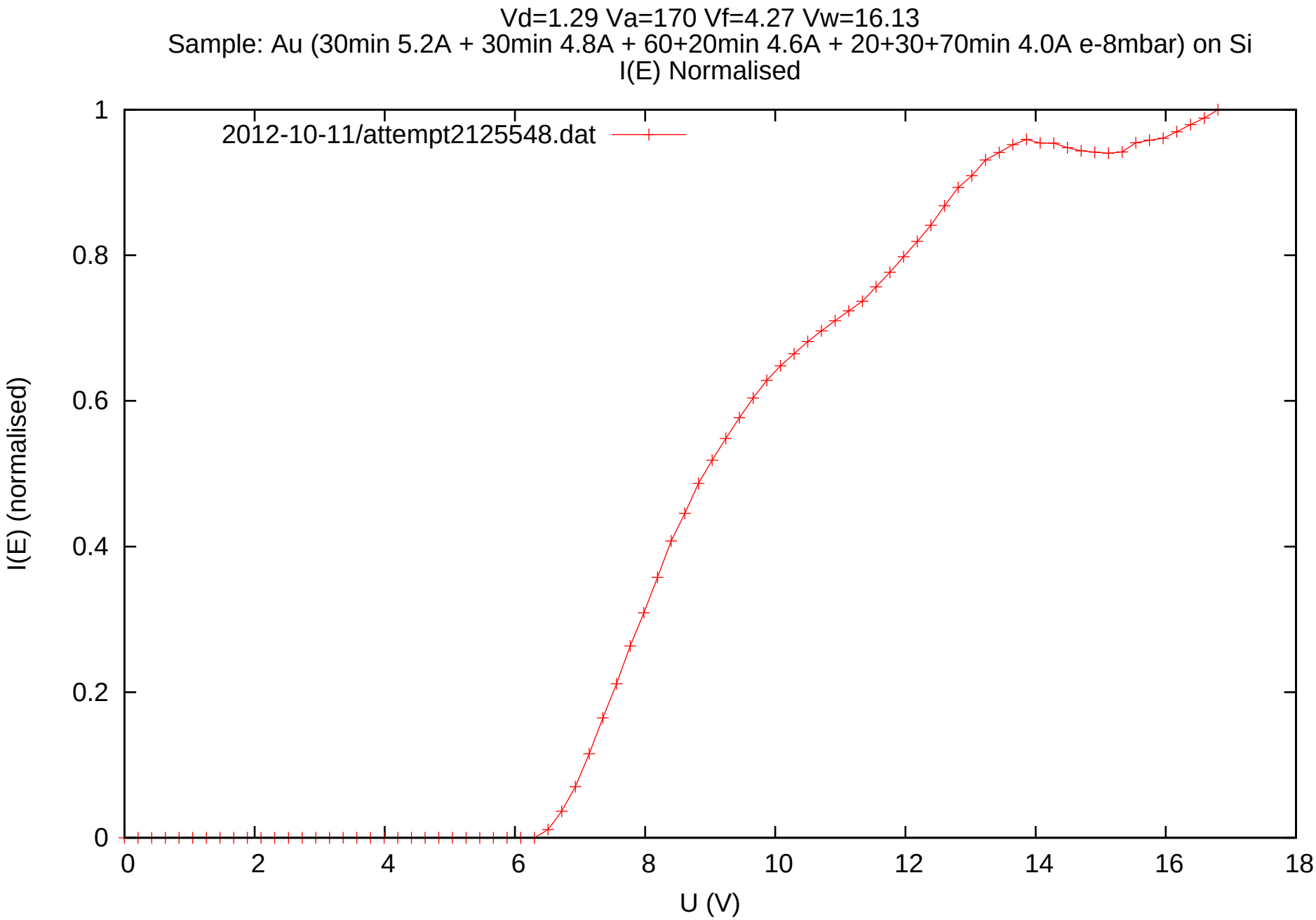

Vd=-4.98 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2130737.dat
dI(E)/dE (normalised)
U (V)
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
2
4
6
8
10
12
14
16
18

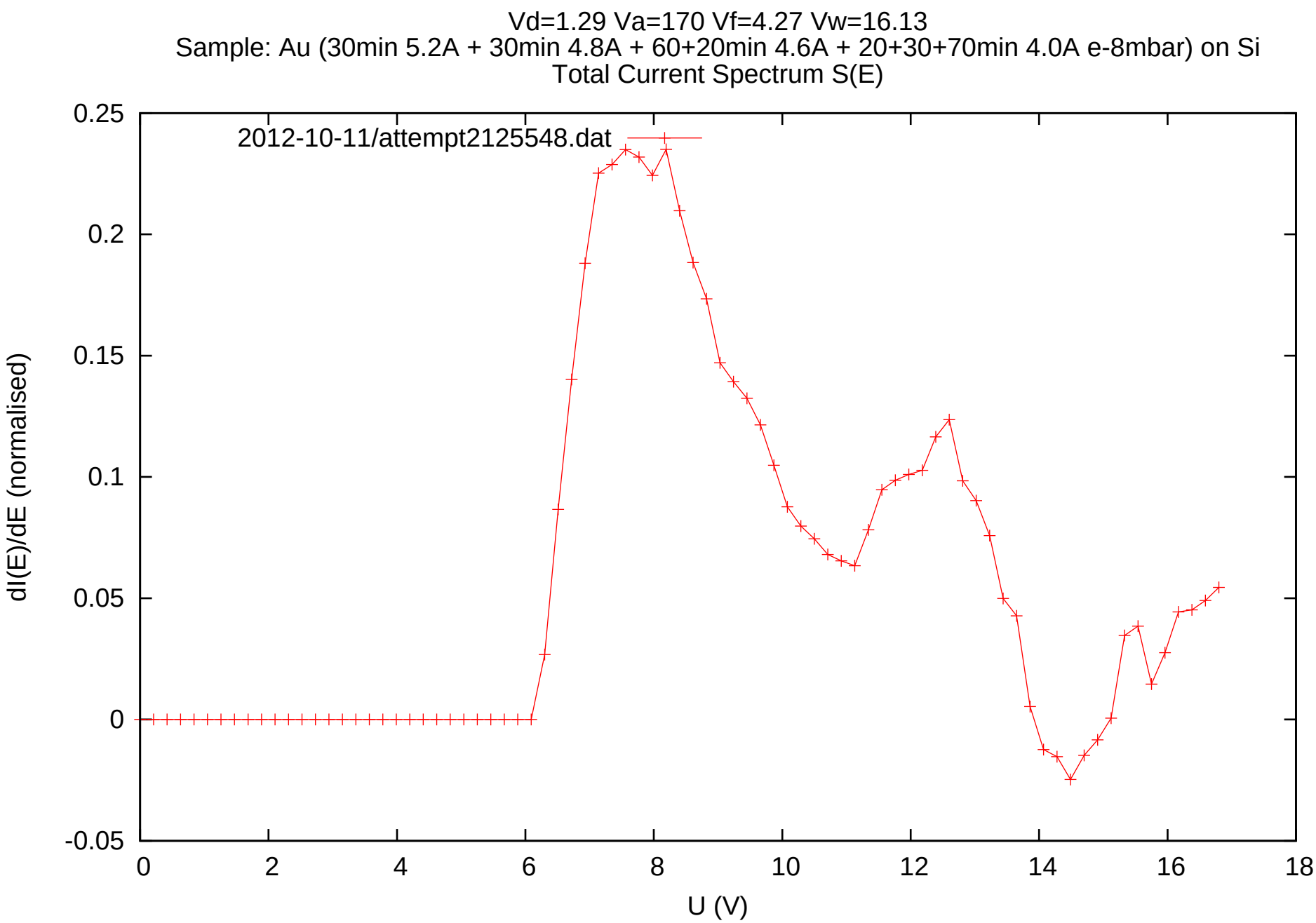

Vd=-2.00 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2130402.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

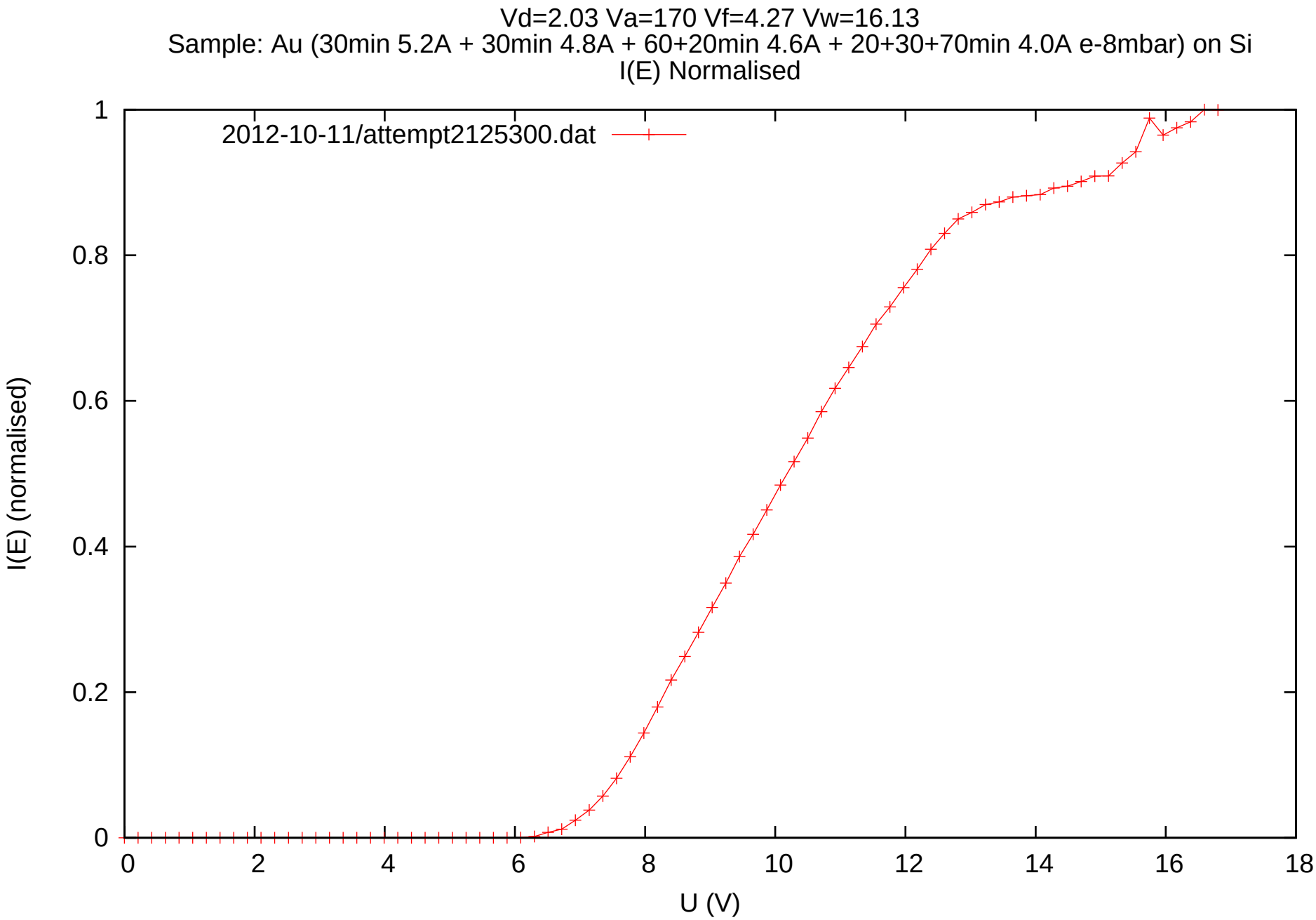

Vd=-2.00 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2130402.dat
dI(E)/dE (normalised)
U (V)
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18

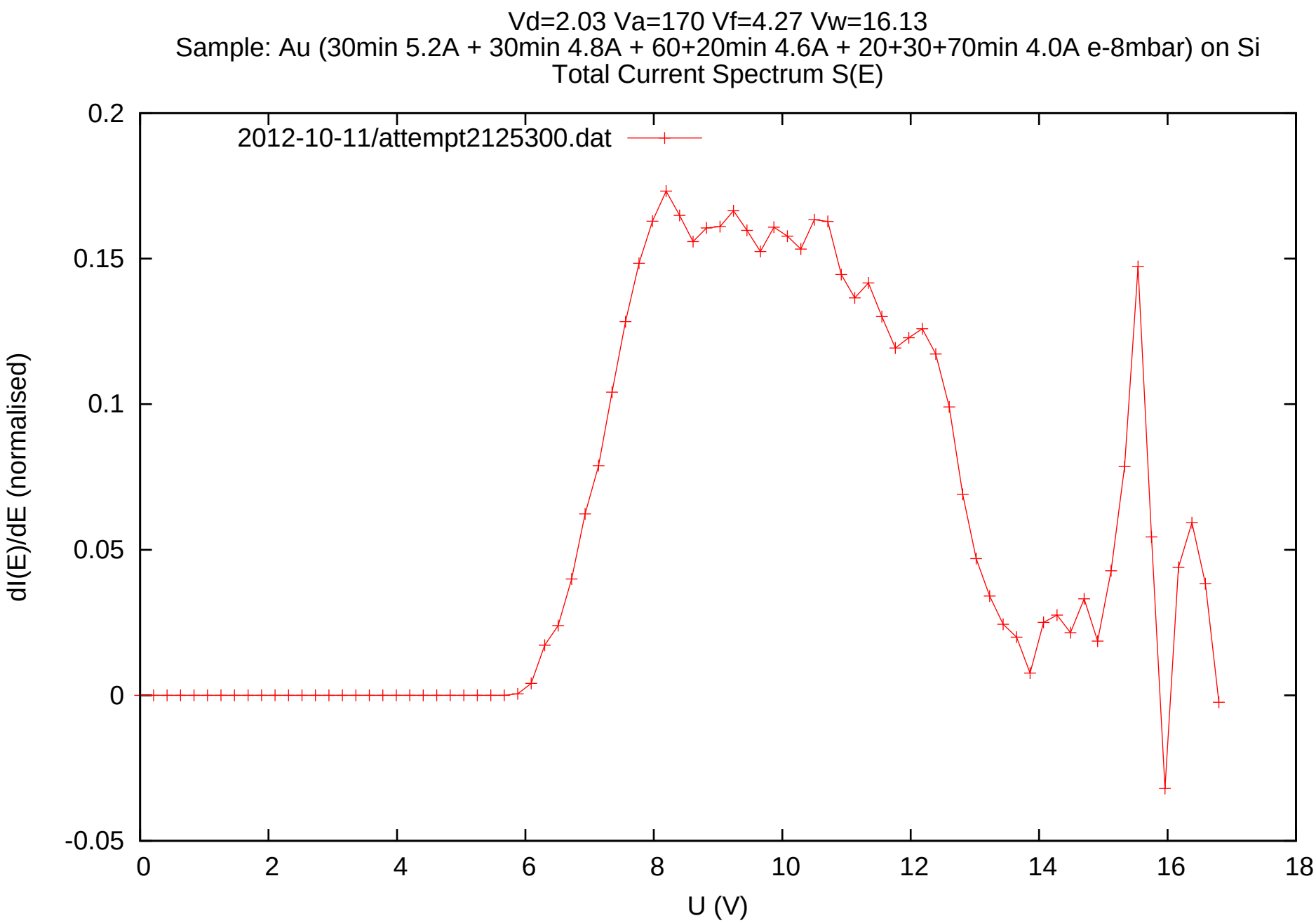

Vd=-0.30 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2125920.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

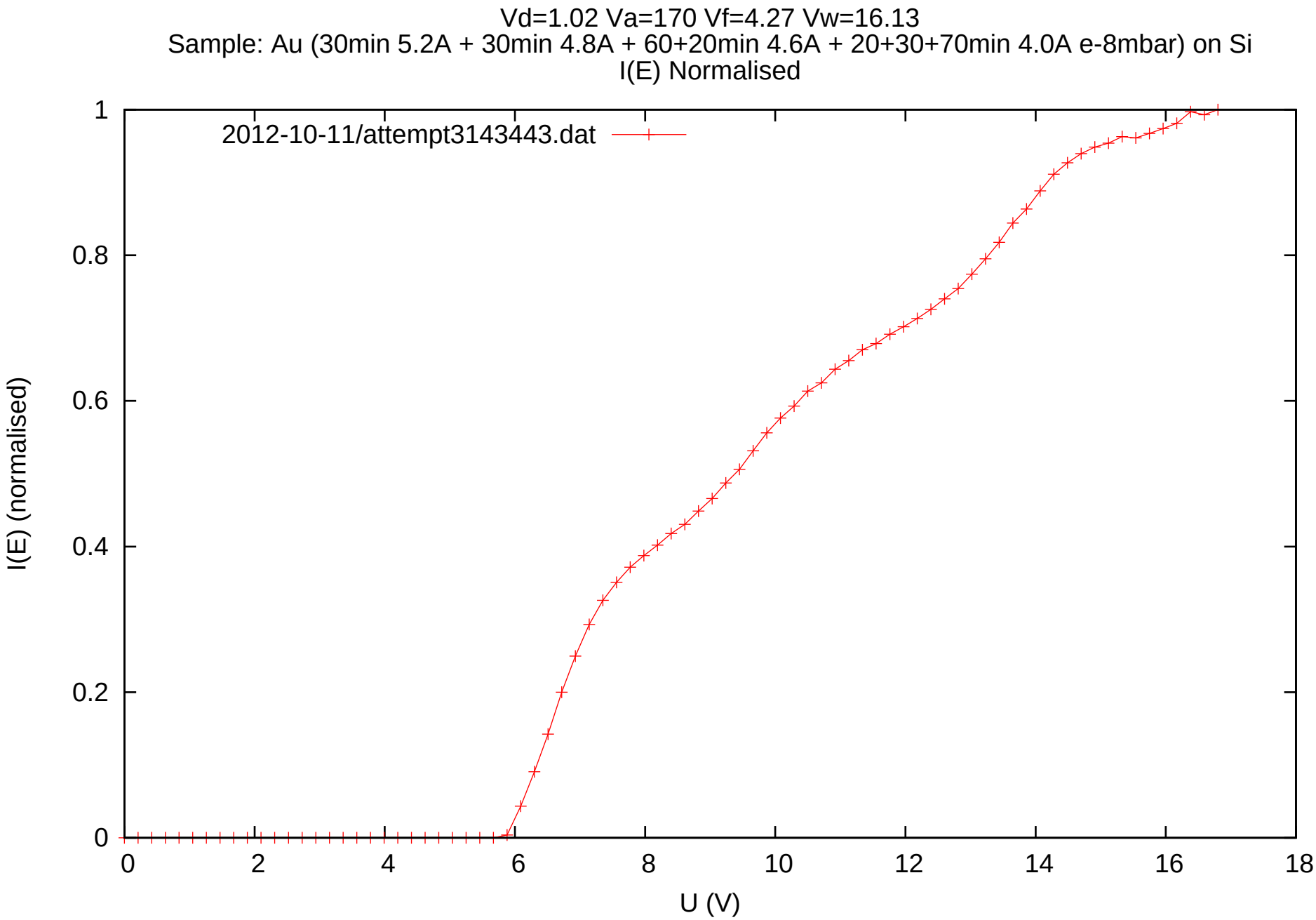

Vd=-0.30 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2125920.dat
dI(E)/dE (normalised)
U (V)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0
2
4
6
8
10
12
14
16
18

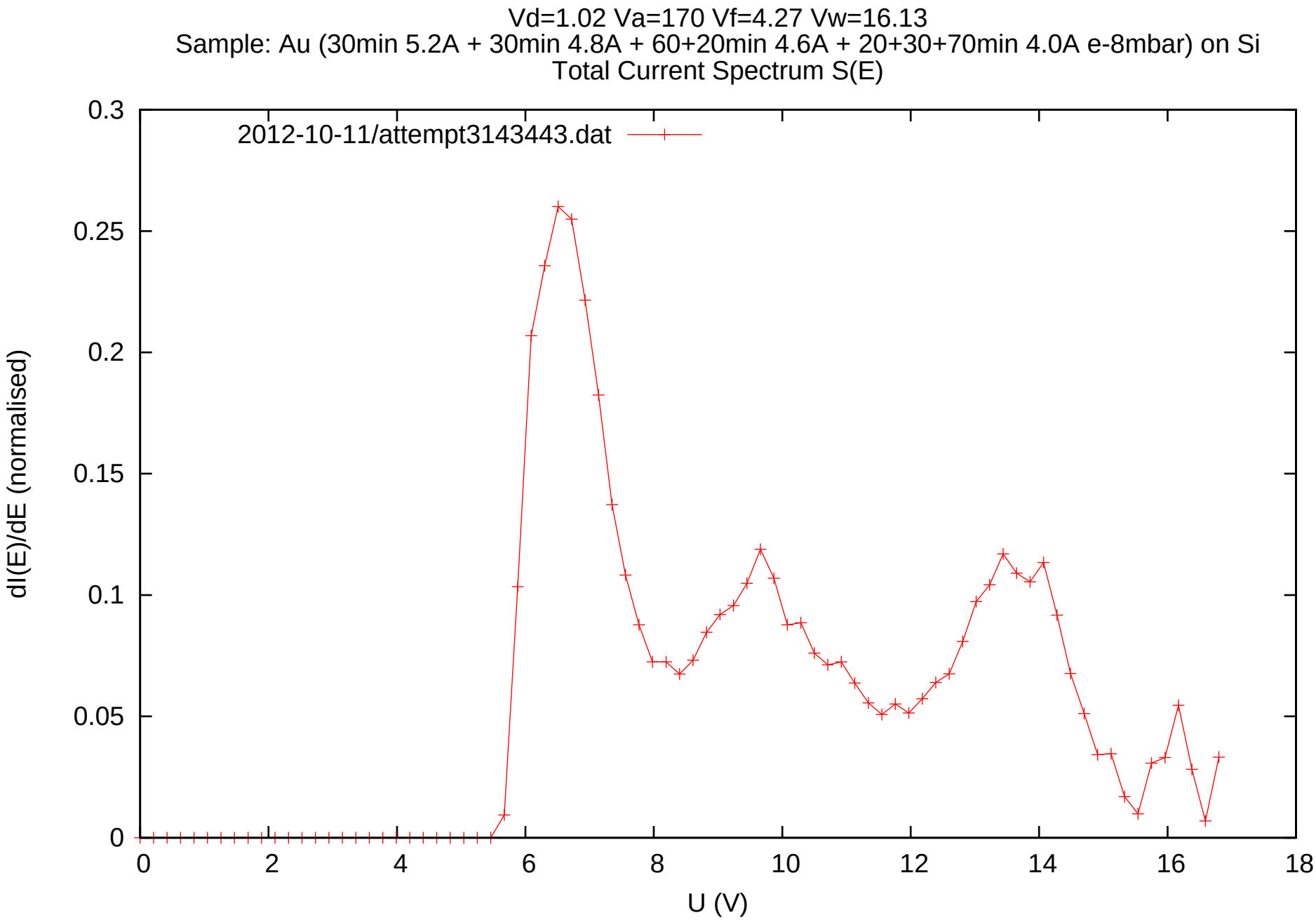

Vd=1.29 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2125548.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

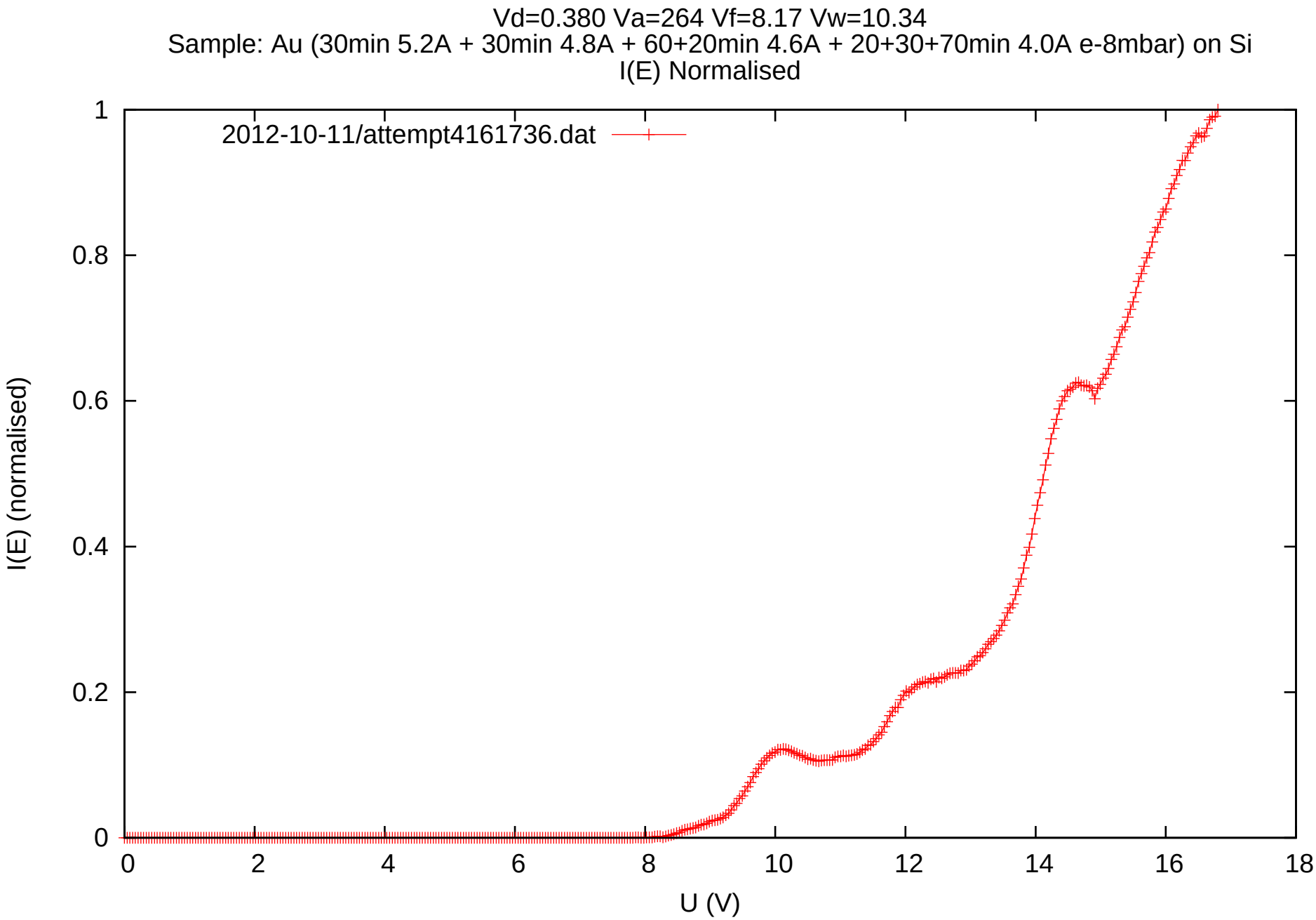

Vd=1.29 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2125548.dat
dI(E)/dE (normalised)
U (V)
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18

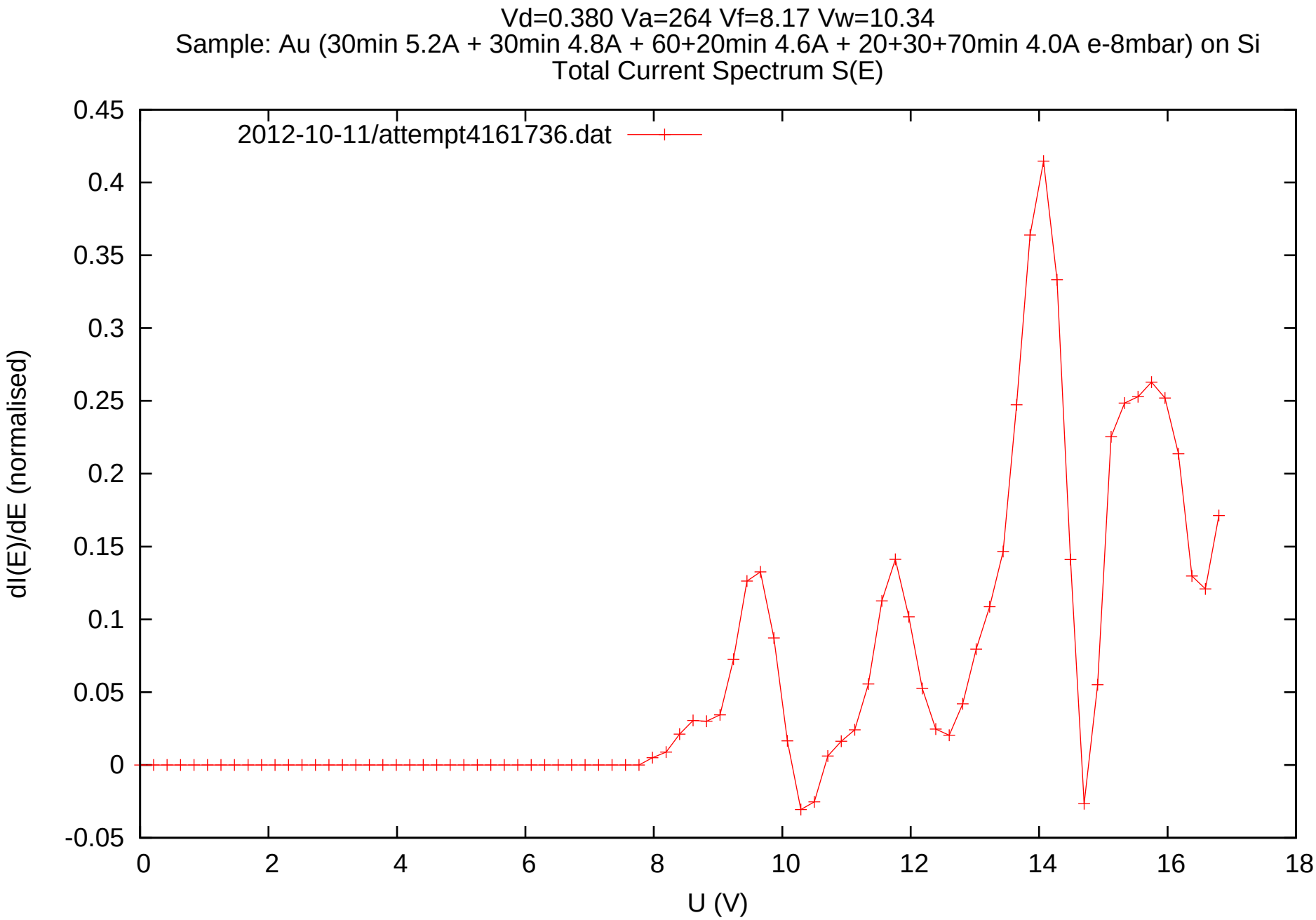

Vd=2.03 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt2125300.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18

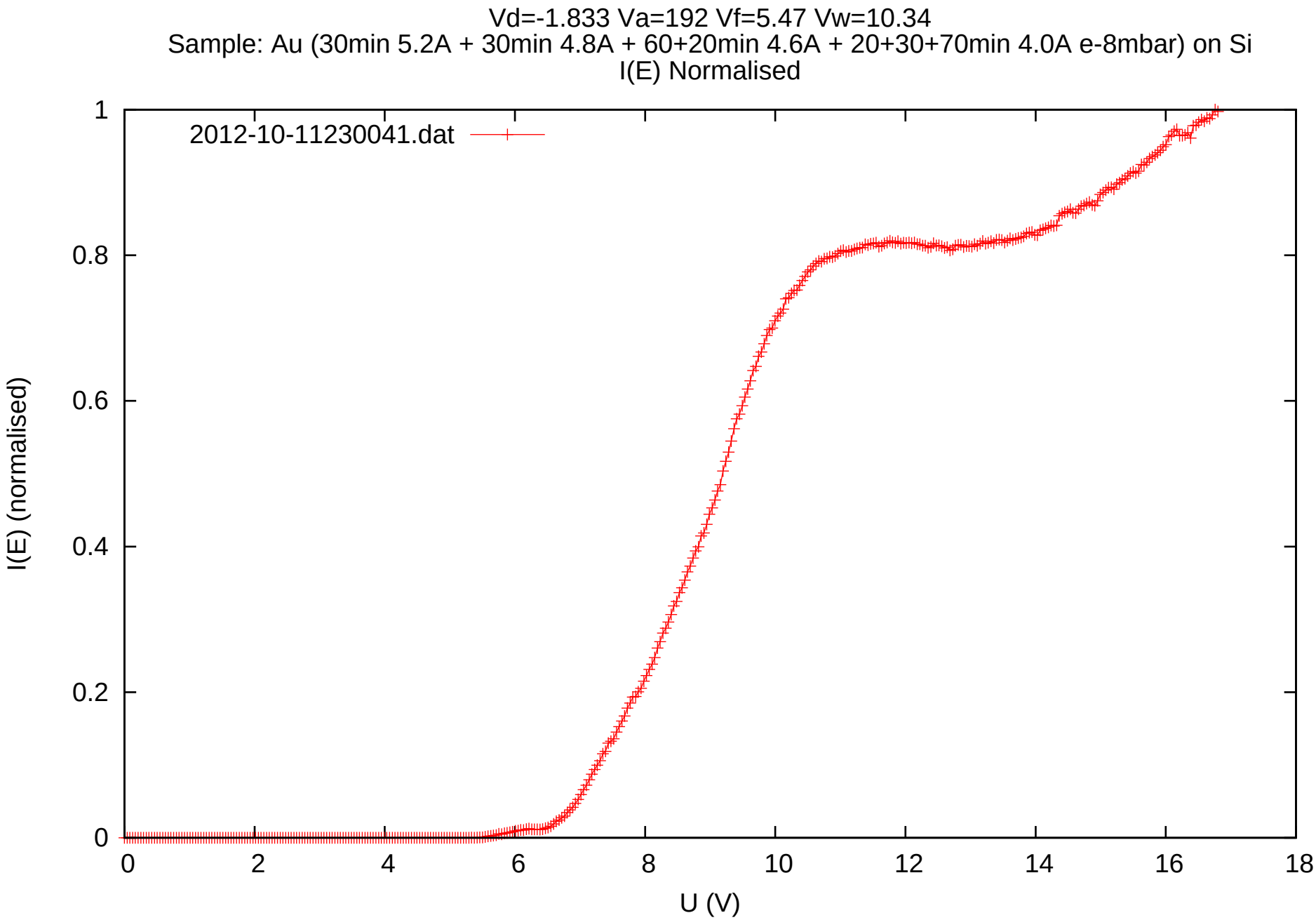

Vd=2.03 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt2125300.dat
dI(E)/dE (normalised)
U (V)
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18

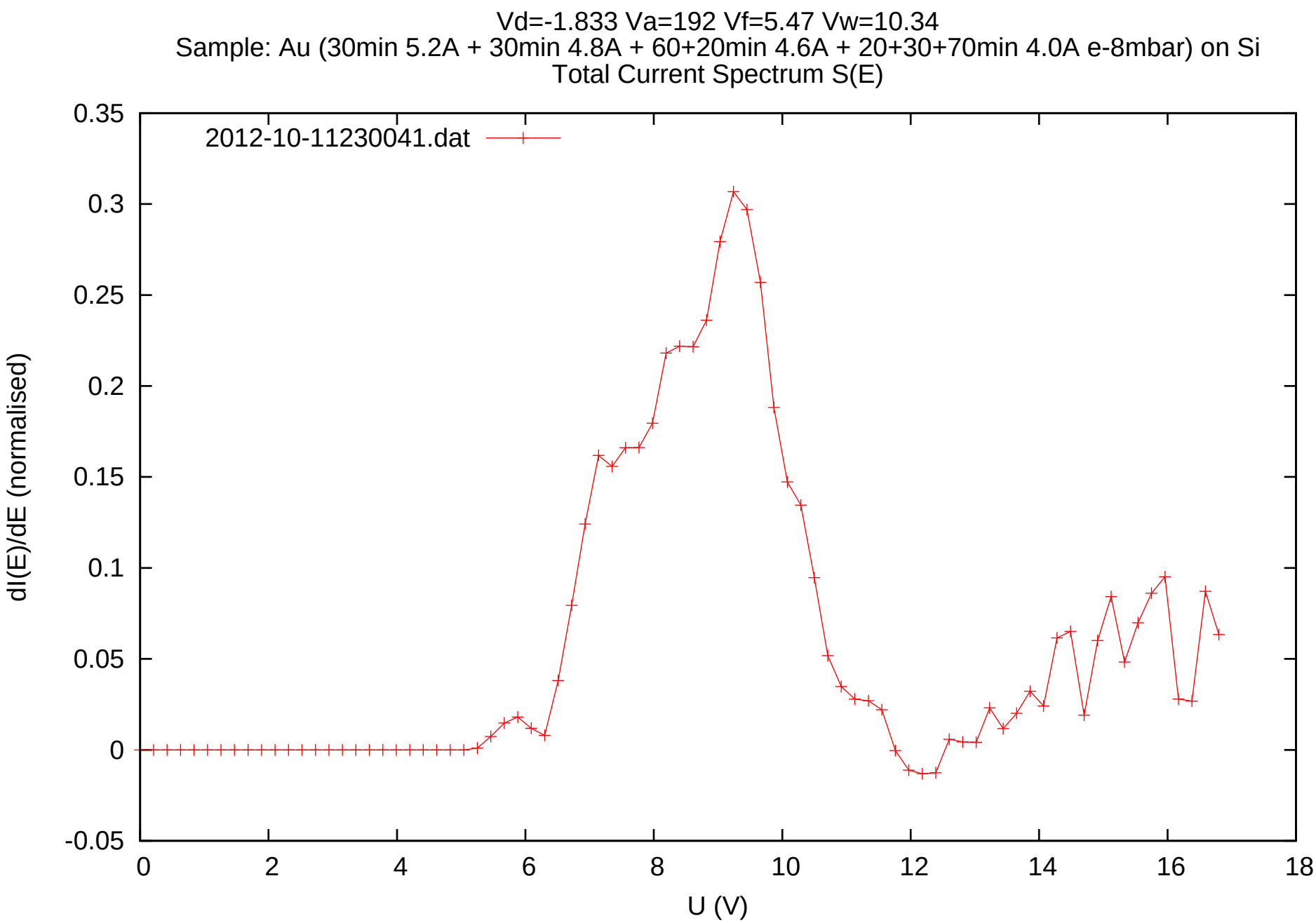

Vd=1.02 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt3143443.dat
I(E) (normalised)
U (V)
0
0.2
0.4
0.6
0.8
1
0
2
4
6
8
10
12
14
16
18


Vd=1.02 Va=170 Vf=4.27 Vw=16.13
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt3143443.dat
dI(E)/dE (normalised)
U (V)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
2
4
6
8
10
12
14
16
18


Vd=0.380 Va=264 Vf=8.17 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11/attempt4161736.dat
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


Vd=0.380 Va=264 Vf=8.17 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11/attempt4161736.dat
dI(E)/dE (normalised)
U (V)
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18


Vd=-1.833 Va=192 Vf=5.47 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
I(E) Normalised
2012-10-11230041.dat
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


Vd=-1.833 Va=192 Vf=5.47 Vw=10.34
Sample: Au (30min 5.2A + 30min 4.8A + 60+20min 4.6A + 20+30+70min 4.0A e-8mbar) on Si
Total Current Spectrum S(E)
2012-10-11230041.dat
dI(E)/dE (normalised)
U (V)
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
0
2
4
6
8
10
12
14
16
18