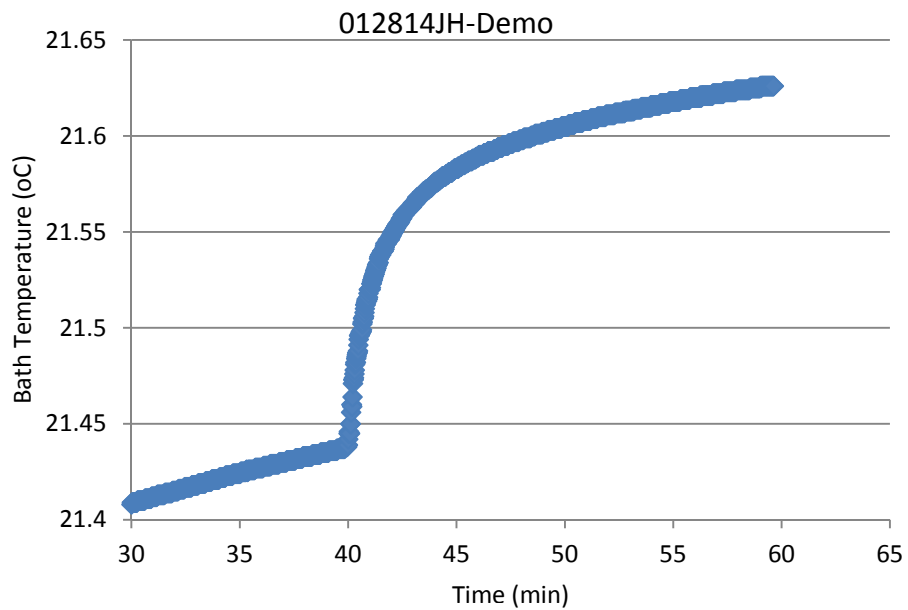




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Calorimetry Demonstration Data: Voltage (V), Current (I), Power (VI), Energy (integrated VI), and Calorimetric Measured Output Energy and Energy Balance



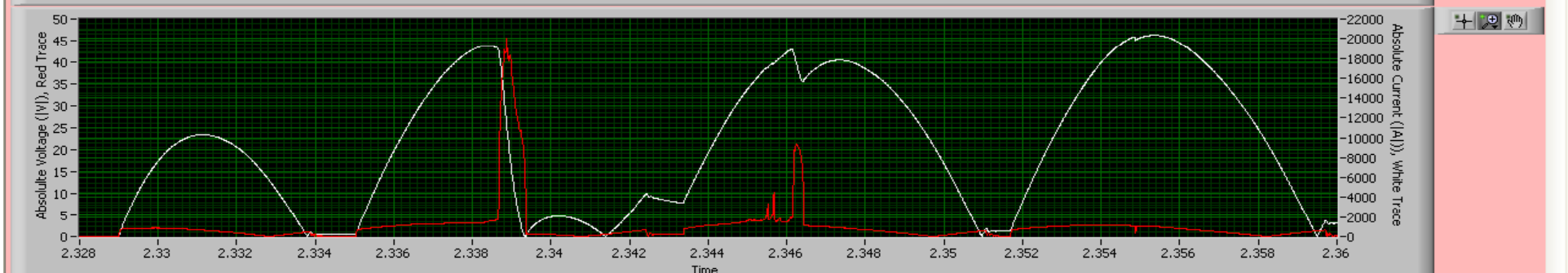
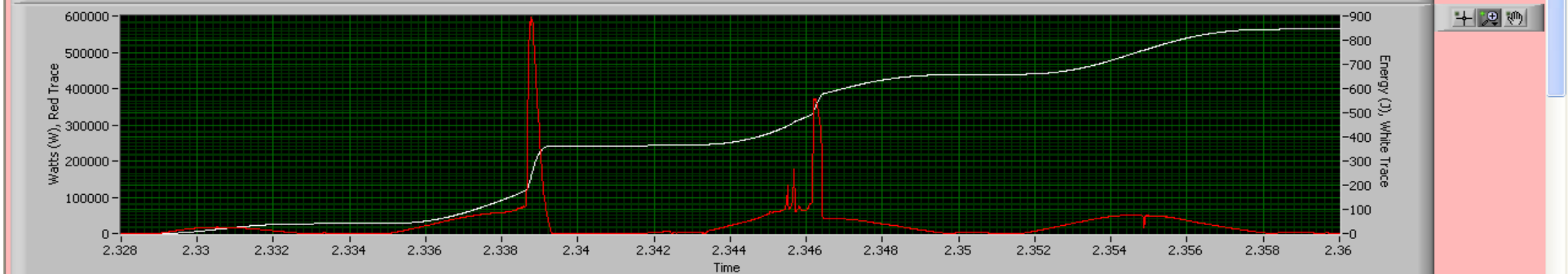
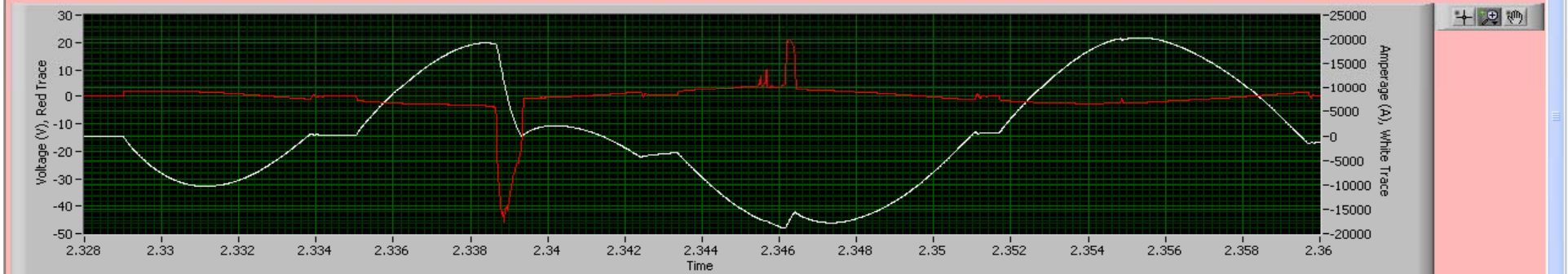
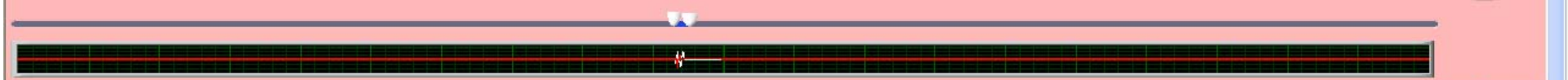
Fuel: 90mg CuO+Cu; 32mg H₂O.
Assembly: S30-Al, upright, Flat, He
Spot Welder: Tap 8, ST1, HeatT2, Pulse1, HoldT1, PC1, 100%
Note: Live Demo for investors

Parr	
012814JH-Demo	
Total Temp Rise (oC)	0.169
60% Temp Rise	0.1014
Temp of 60% T Rise, Tb	21.5394
Time of 60% T Rise, b	41.55
Firing Temp, Ta	21.438
Firing Time, a	39.917
Heat End Temp, Tc	21.607
Heat End Time, c	50.467
r1	0.002669697
r2	0.00244586
$dT=Tc - Ta - r1*(b-a)-r2*(c-b)$	0.142830648
Cp	12800
Eout =Cp*dT (J)	1828.23
Ein (J)	850.00
dE (J)	978.23
Gain	2.15

File to Read: C:\CIHT\JH\2014-01-28\012814JH-Demo-VI

Vp-Vp (V)	+Vp (V)	-Vp (V)	V-RMS (V)	Ap-Ap (A)	+Ap (A)	-Ap (A)	A-RMS (A)	Energy (J)
66.878	21.235	-45.643	23.645	39267	20350	-18918	13883	850

Record to CSV ▶



dT	Size(s)	Zoom Threshold (V)	Start Zoom	End Zoom	CSV Path	Load (Ohm)	PDC Out (J)
1.25E-5	400000	1.000	186321	188778	%	0.1	0