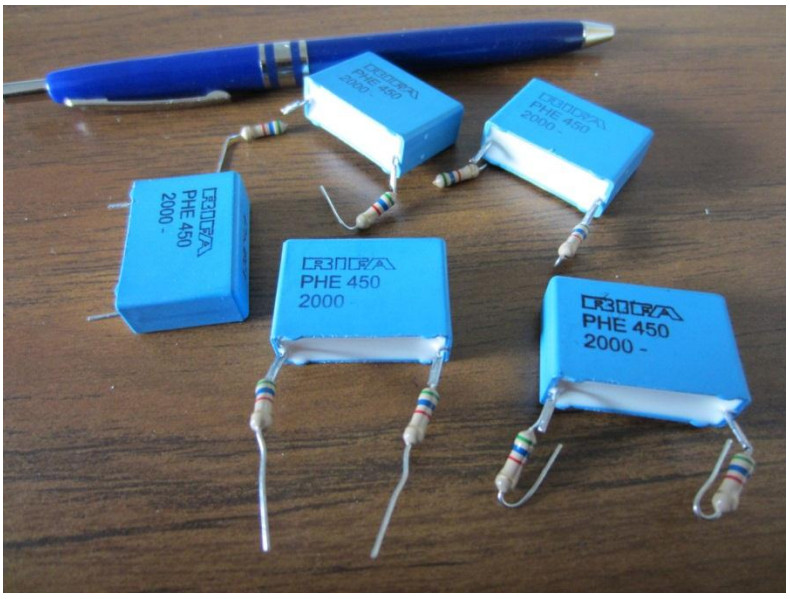
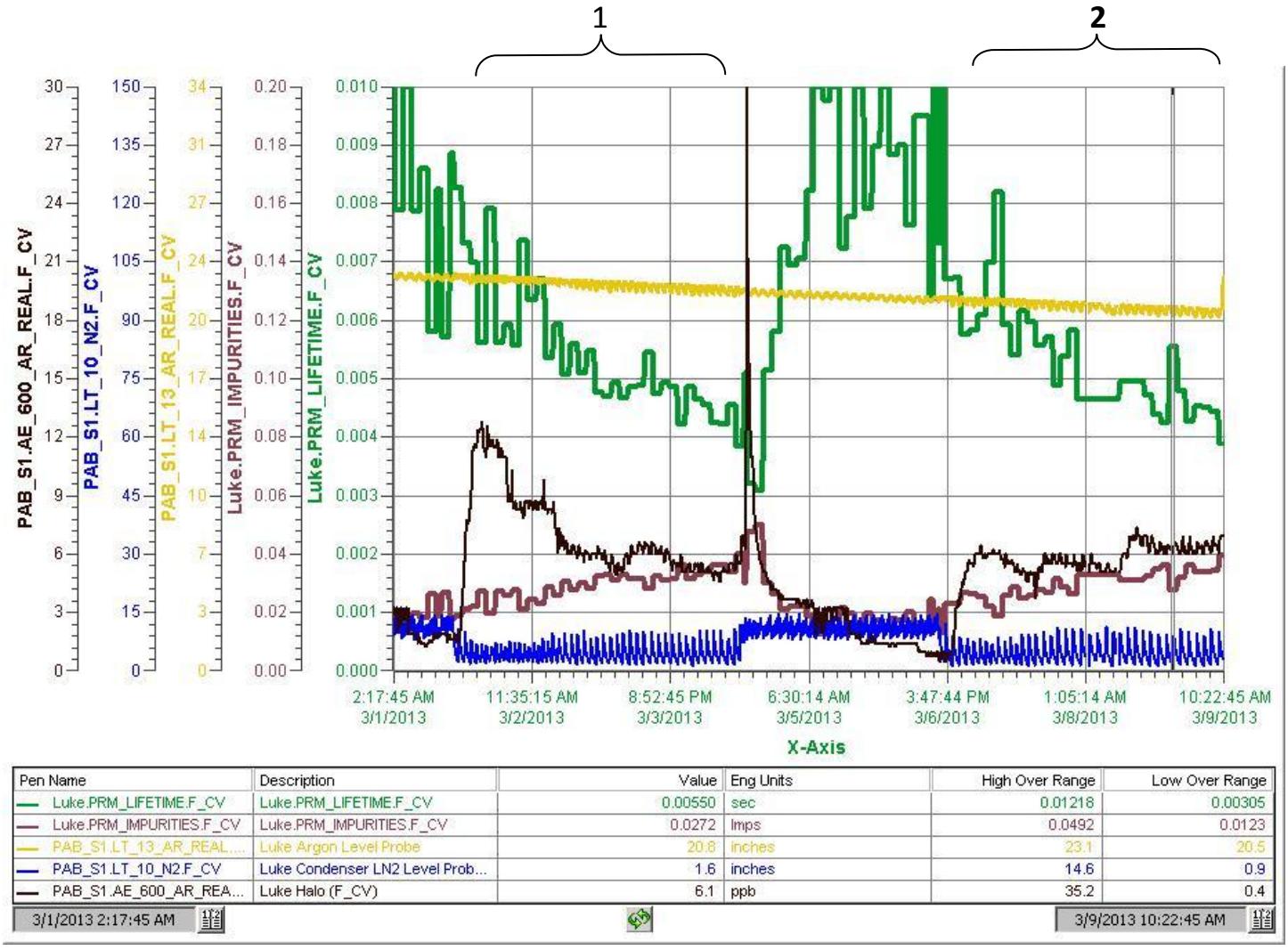
Kemet Capacitors PHE 450 Test 3/1/2013 – 3/12/2013

PAB Materials Test System	
Date of Receipt	3/13/2013 eLog entry # 3414
Sample Name/Description	Kemet capacitors PHE450 series, double metallized polypropylene film
Sample	
Composition:	capacitor is encapsulated in self-extinguishing resin
	in the box of material meeting the requirements of UL 97 V-0
Picture Location:	data base
Weight:	30.2 g (5 capacitors + stainless wire)
Dimensions/Area:	5 capacitors 26 x 18.5 x 9 mm
Source:	Thomas Strauss
Preparation:	cleaned with cloth
Submerging in LAr or LH2	x
Time in the airlock(hrs)	
Purge:	
Vacuum:	overnight with rough pump and 5 hours with Turbo pump
Liquid Test	
Start Time/Date, End Time/Date :	3/1/13 1:50 pm, 3/4/2013 1:30 pm
PrM run # :	16655 to 16690
Condenser state:	on
Filter state:	off
O2 reading:	x
H2O reading:	first increased to 12 ppb then decreased and sabilized at 6 ppb
Temperature:	95 K
Lifetime:	slowly decreased from 7 ms to 4 ms
Zero Test	
Start Time/Date, End Time/Date :	3/6/13 to 3/12/2013
PrM run # :	16716
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H20 reading:	increased to 6 ppb
Temperature:	95 K
Lifetime:	slowly decreased from 9 ms to 4 ms
Results/comments	



1. Liquid test.
2. Zero test.



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00550	sec	0.01218	0.00305
Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.0272	lmps	0.0492	0.0123
PAB_S1.LT_13_AR_REAL...	Luke Argon Level Probe	20.8	inches	23.1	20.5
PAB_S1.LT_10_N2.F_CV	Luke Condenser LN2 Level Prob...	1.6	inches	14.6	0.9
PAB_S1.AE_600_AR_REA...	Luke Halo (F_CV)	6.1	ppb	35.2	0.4

3/1/2013 2:17:45 AM 3/9/2013 10:22:45 AM