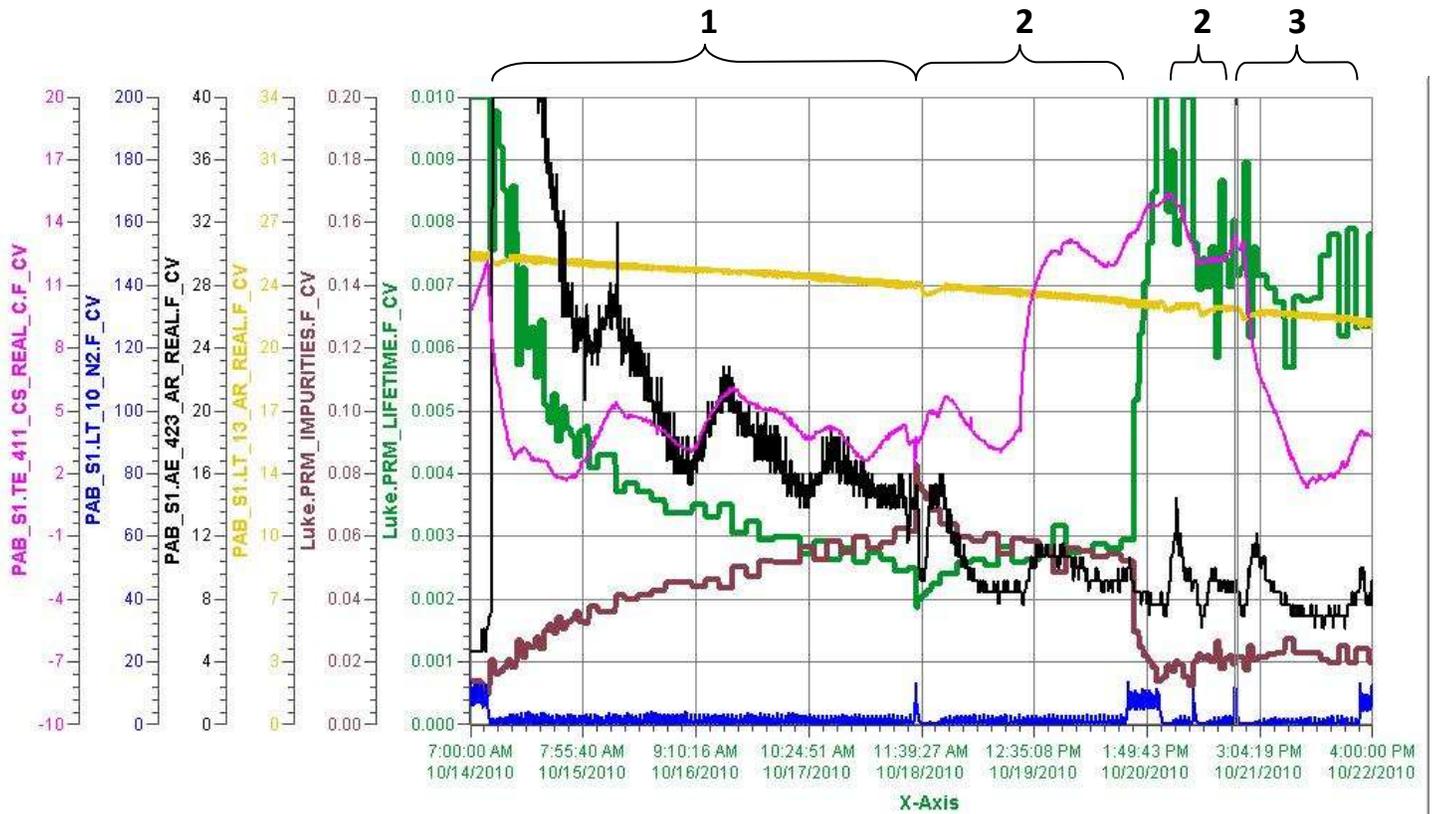


## ***PAB Materials Test System***

<b>Date of Receipt</b>	11/2/10 , logbook entry # 1409
<b>Sample Name/Description</b>	Copper foil on Mylar film
<b>Sample</b>	
<b>Composition:</b>	copper, polyester (stretched polyethylene terephthalate - PET)
<b>Picture Location:</b>	data base
<b>Weight:</b>	17.4 g
<b>Dimensions/Area:</b>	106 mm x 380 mm/ 402.8 cm <sup>2</sup>
<b>Source:</b>	Walter Jaskierny
<b>Preparation:</b>	cleaned
<b>Submerging in LAr or LH2</b>	no
<b>Time in the airlock(hrs)</b>	
<b>Purge:</b>	24 h purged from the bottle and 1 h from Luke
<b>Vacuum:</b>	
<b>Room Temperature</b>	
<b>Start Time/Date, End Time/Date :</b>	10/14/2010 10:40 am, 10/18/2010 10:15 am
<b>PrM run # :</b>	10136
<b>Condenser state:</b>	on
<b>Filter state:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	increased to 85 ppb then dropped to 12-16 ppb
<b>Lifetime:</b>	2.5 -3 ms
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	10/18/2010 10:15 am, 10/21/2010 9:30 am
<b>PrM run # :</b>	10185
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	10 ppb
<b>Temperature:</b>	96 K
<b>Lifetime:</b>	7-8 ms
<b>VaporTest</b>	
<b>Start Time/Date, End Time/Date :</b>	10/21/2010 9:30 am, 10/22/2010 1 pm
<b>PrM run # :</b>	10229
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>O2 reading:</b>	x
<b>H2O reading:</b>	7-10 ppb
<b>Temperature:</b>	214 K
<b>Lifetime:</b>	6-8 ms
<b>Results/comments</b>	

Copper Foil on Mylar Film Test 10/14/2010 – 10/22/2010

1. Room temperature test.
2. Liquid test.
3. Vapor test.



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00711	sec	0.01575	0.00183
— Luke.PRM_IMPURITIES.F_...	Luke.PRM_IMPURITIES.F_CV	0.0211	Imps	0.0818	0.0095
— PAB_S1.LT_13_AR_REAL...	Luke Argon Level Probe	22.5	inches	25.6	21.3
— PAB_S1.AE_423_AR_REA...	HALO H2O meter (F_CV)	8.7	ppb	86.9	4.5
— PAB_S1.LT_10_N2.F_CV	Luke Condenser LN2 Level Pro...	8.8	inches	13.3	-0.0
— PAB_S1.TE_411_CS_REA...	TC on Luke top flange (F_CV)	13.3	C	15.3	1.3

10/14/2010 7:00:00 AM 10/22/2010 4:00:00 PM

