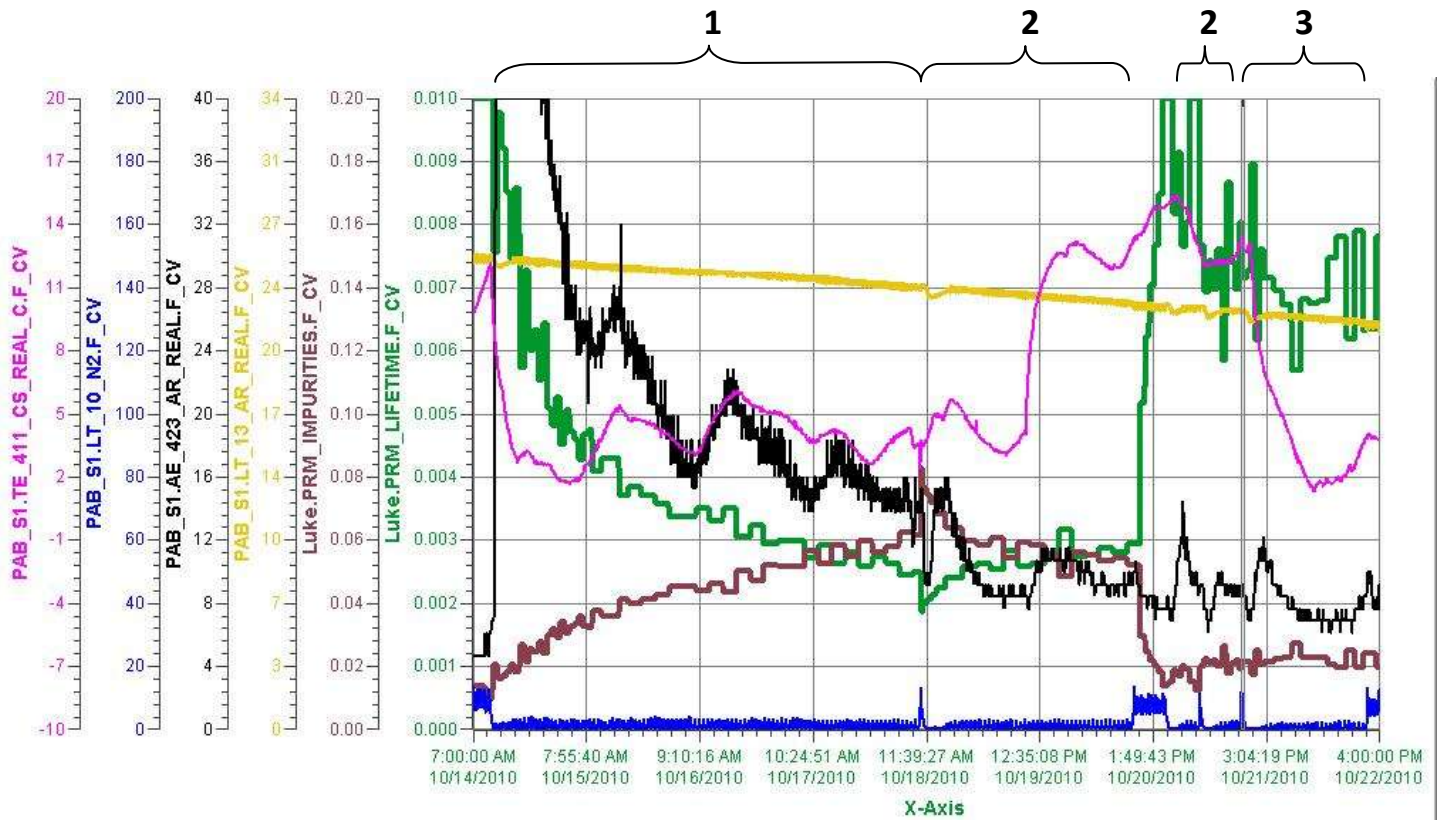


PAB Materials Test System

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

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

