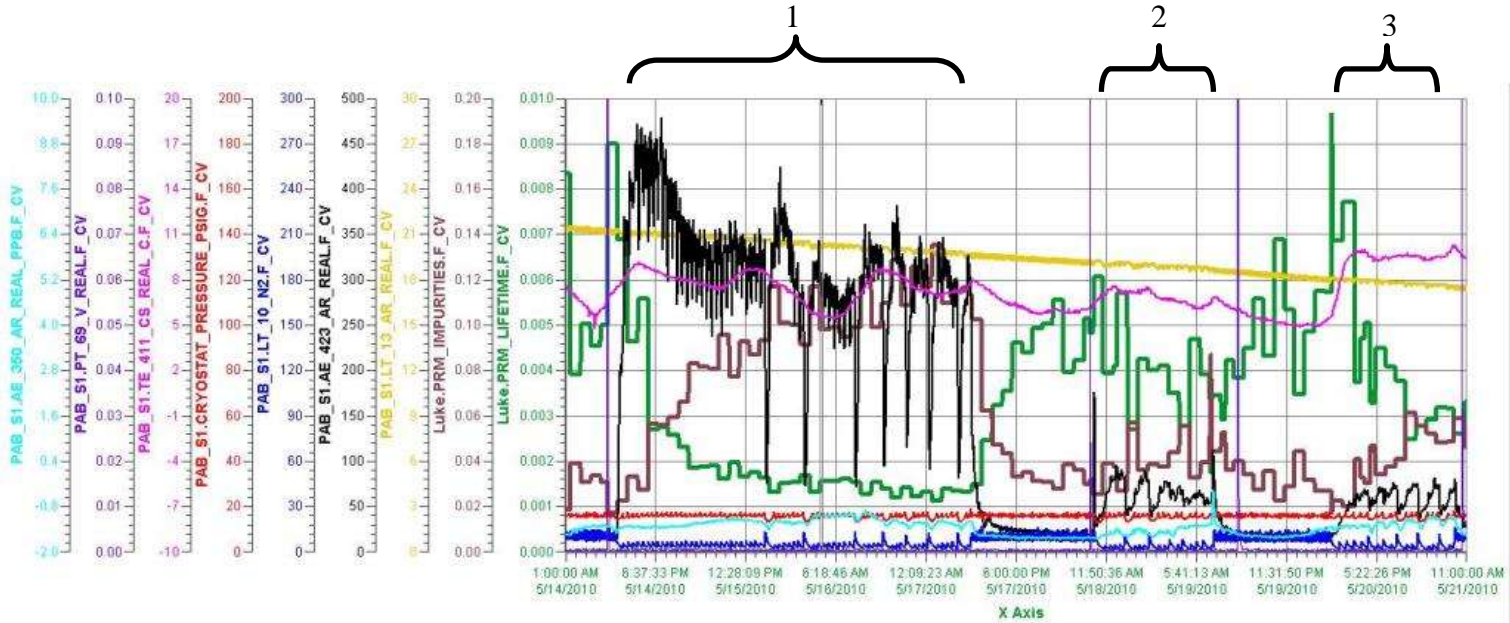


PAB Materials Test System

Date of Receipt	5/26/2010, logbook entry # 1263
Sample Name/Description	Arlon 85 NT board (cut into pieces to expose material) pieces secured in the perforated box
Sample	
Composition:	Polyimide laminate reinforced with non-woven aramide fiber
Picture Location:	Data Base
Weight:	38.1 g
Dimensions/Area:	10.125 inch ² exposed
Source:	Walter Jaskierny, Teppei
Preparation:	cleaned with alcohol
Submerging in LAr or LH2	no
Time in the airlock(hrs)	25.5 h
Purge:	22 h from the bottle and 2 h from Luke
Vacuum:	1.5 h
Room Temperature	
Start Time/Date, End Time/Date :	5/14/10 10:50 am, 5/17/10 9:00 am
PrM run # :	8590
Condenser state:	on
Filter state:	off
O2 reading:	0.1-0.3 ppb increase
H2O reading:	300 ppb
Lifetime:	1.3 ms
Liquid Test	no
Vapor Test	
Start Time/Date, End Time/Date :	5/18/10 9:30 am, 5/19/10 9 am
PrM run # :	8640
Condenser state:	on
Filter state/settings:	off
O2 reading:	0.1-0.3 ppb increase
H2O reading:	increased to 80 ppb, then stabilized at 50-70 ppb
Temperature:	220-223 K
Lifetime:	3-4 ms
Zero Test	5/20/2010
Lifetime:	3 ms
Results/comments	

Arlon Board Material Test

1. Room Temperature (Arlon in perforated box)(airlock was evacuated for 1.5 h, purged from the bottle overnight and purged from Luke for 2 h)
2. Vapor Test. (Arlon inside perforated box)
3. Zero Test.



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke_PRM_LIFETIME_F_CV	Luke_PRM_LIFETIME_F_CV	0.00154	sec	0.00963	0.00111
— Luke_PRM_IMPURITIES_F_CV	Luke_PRM_IMPURITIES_F_CV	0.0975	imps	0.1345	0.0156
— PAB_S1_LT_13_AR_REAL_F_CV	Luke Armon Level Probe	20.3	inches	21.5	17.2
— PAB_S1_AE_423_AR_REAL_F_CV	HALO H2O meter (F_CV)	303.1	ppb	479.2	13.1
— PAB_S1_LT_10_N2_F_CV	Luke Condenser LN2 Level Probe (F_CV)	2.8	inches	18.3	0.9
— PAB_S1_CRYOSTAT_PRESSURE_PSI...	Luke Vapor Pressure	15.4	psig	18.8	12.4
— PAB_S1_TE_411_CS_REAL_C_F_CV	TC on Luke top flange (F_CV)	5.7	C	10.3	4.7
— PAB_S1_PT_69_V_REAL_F_CV	Seal Monitor Vacuum	0.0001	Torr	2.8629	0.0001
— PAB_S1_AE_360_AR_REAL_PPB_F_CV	ppb version for plotting (F_CV)	-1.1	ppb	-8.4	-1.7

