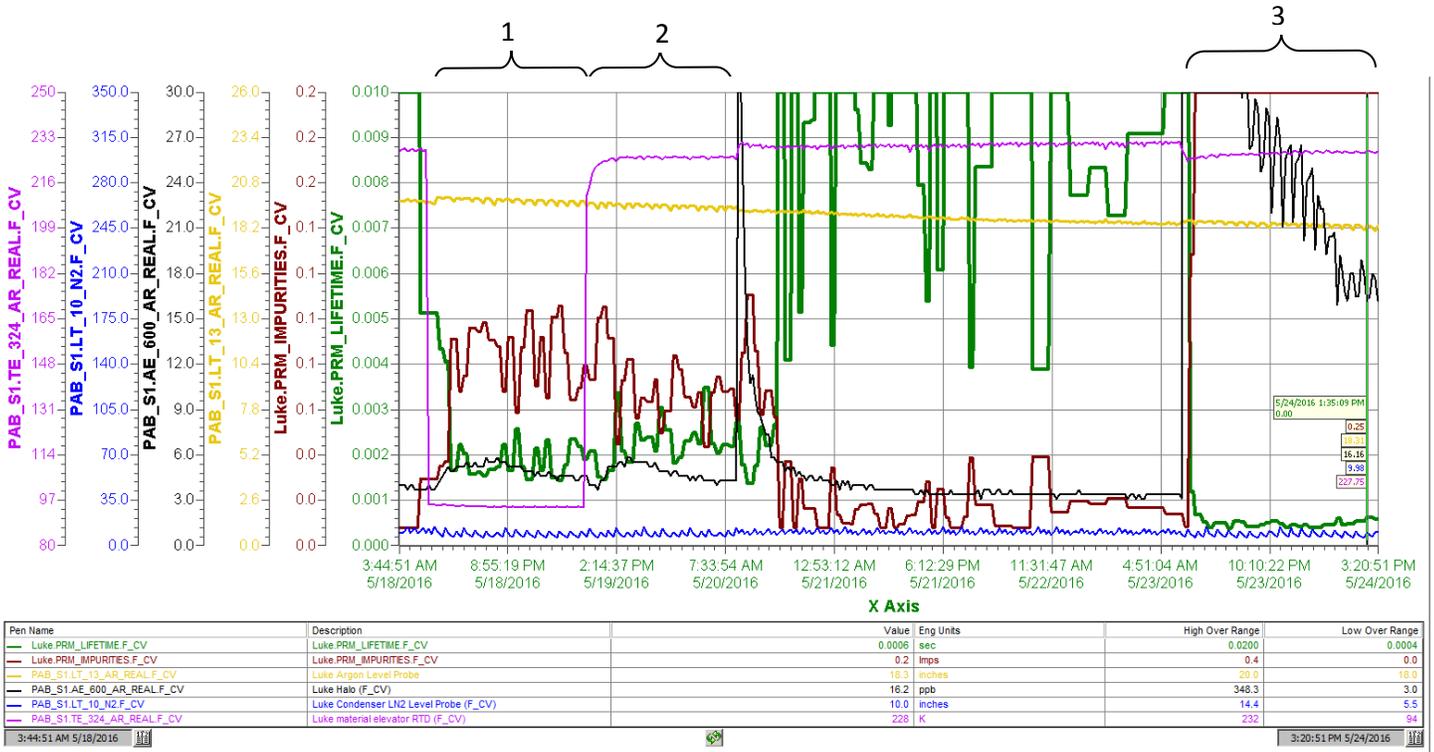


Cryo Tape Test 5/19/2016 – 6/06/2016

PAB Materials Test System	
Date of Receipt	6/02/16 , logbook entry # 5242
Sample Name/Description	Cryo Tape
Sample	
Composition:	Polymeric
Picture Location:	data base
Weight:	approximately 0.2 g
Dimensions/Area:	length approx. 14 x 2.5 cm
Source:	Stuart Lee Mufson, Indiana University
Preparation:	dry clean
Submerging in LAr or LH2	x
Time in the airlock(hrs)	
Vacuum:	
Purge	22 hours with gas Argon from Luke
Liquid Test	
Start Time/Date, End Time/Date :	5/18/2016 9:30 AM , 5/19/2016 9:15 AM
PrM run # :	27866
Condenser state:	on
Filter state/settings:	off
H2O reading:	4.3 ppb
Temperature:	95 K
Liquid Level	19.6 inches
Lifetime:	2 ms
VaporTest	
Start Time/Date, End Time/Date :	5/19/2016 9:15 AM, 5/20/2016 9:20 AM
PrM run # :	27890
Condenser state:	on
Filter state/settings:	off
H2O reading:	3.8 ppb
Temperature:	225 K
Liquid Level	19.2 inches
Lifetime:	2.5 ms
Room Temperature Test	
Start Time/Date, End Time/Date :	5/23/2016 8:05 PM, 5/24/2016 3:50 PM
PrM run # :	27962
Condenser state:	on
Filter state/settings:	off
H2O reading:	15-17 ppb
Temperature:	room
Liquid Level	18.4 inches
Lifetime:	0.4 ms
Room Temperature Test 2	
Start Time/Date, End Time/Date :	5/26/2016 7:35 AM, 5/27/2016 9:00 AM
PrM run # :	28008
Condenser state:	on
Filter state/settings:	off
H2O reading:	12.5 ppb
Temperature:	room
Liquid Level	17.3 inches
Lifetime:	6 ms
Room Temperature Zero Test 1	
Start Time/Date, End Time/Date :	6/01/2016 8:45 AM, 6/02/2016 9:40 AM
PrM run # :	28062
Condenser state:	on
Filter state/settings:	off
H2O reading:	16 ppb
Temperature:	room
Liquid Level	15.6 inches
Lifetime:	4 ms
Room Temperature Zero Test 2	
Start Time/Date, End Time/Date :	6/05/2016 8:30 AM, 6/06/2016 9:30 AM
PrM run # :	28097
Condenser state:	on
Filter state/settings:	off
H2O reading:	7-9 ppb
Temperature:	room
Liquid Level	24.3 inches
Lifetime:	8 ms
Note	Airlock cage was cleaned with alcohol before the test



1. Liquid Test
2. Vapor Test
3. Room Temperature Test (1st)



Lifetime – green pen

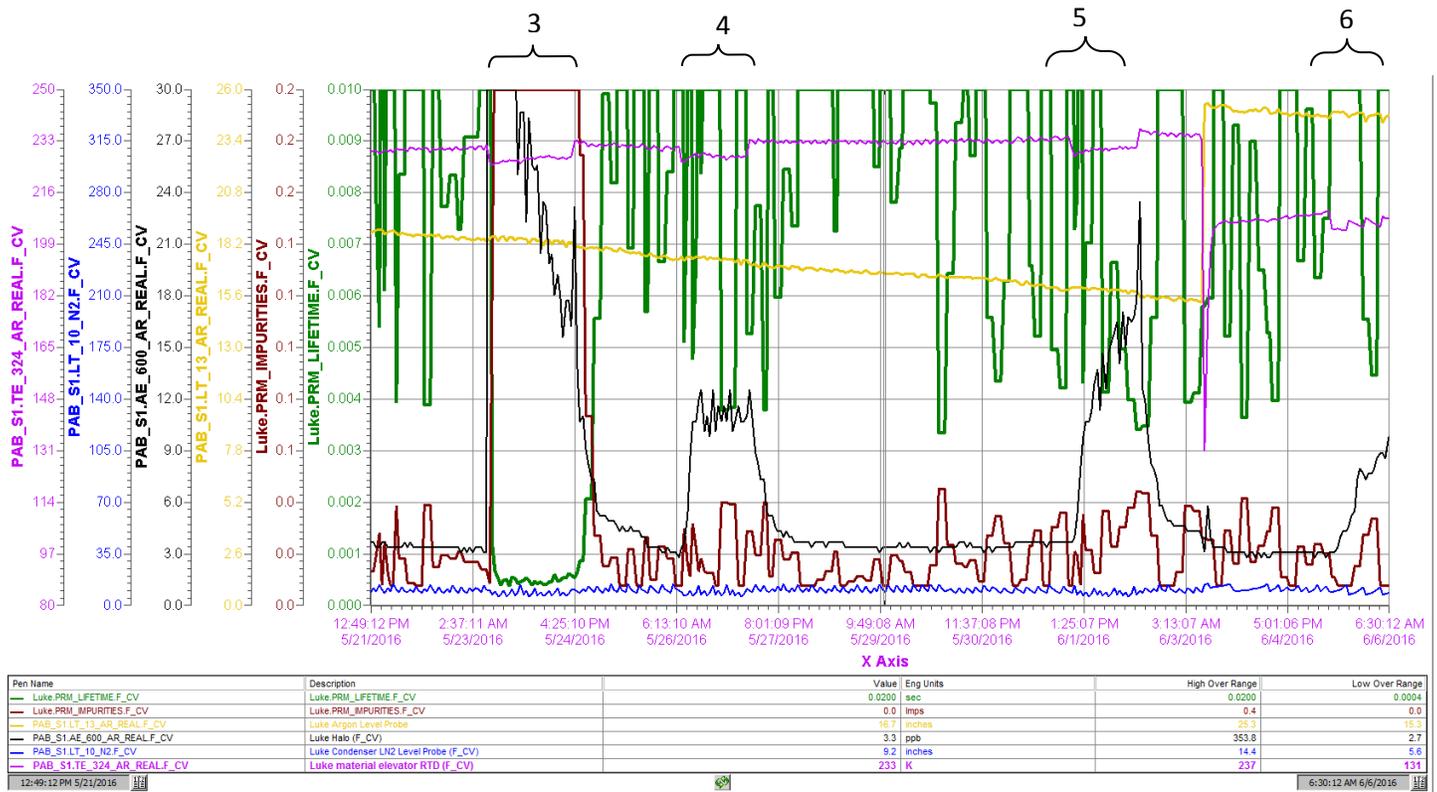
Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen

3. Room Temperature Test (1st)
4. Room Temperature Test (2nd)
5. Room Temperature, Zero Test (1st)
6. Room Temperature, Zero Test (2nd)



Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen