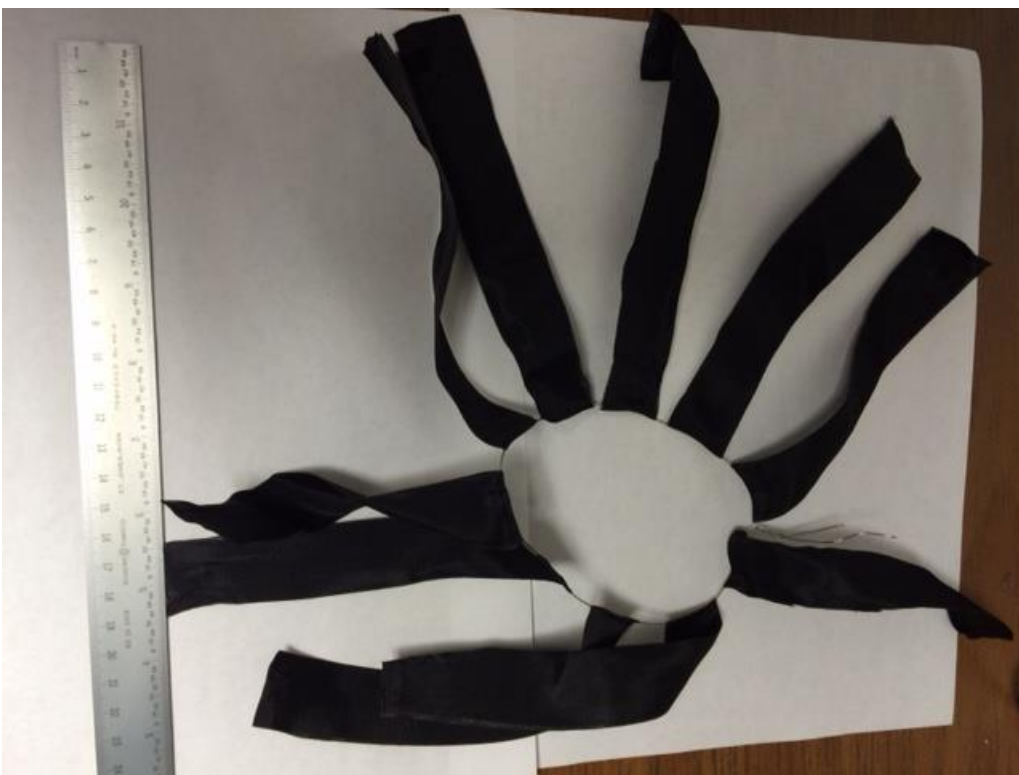


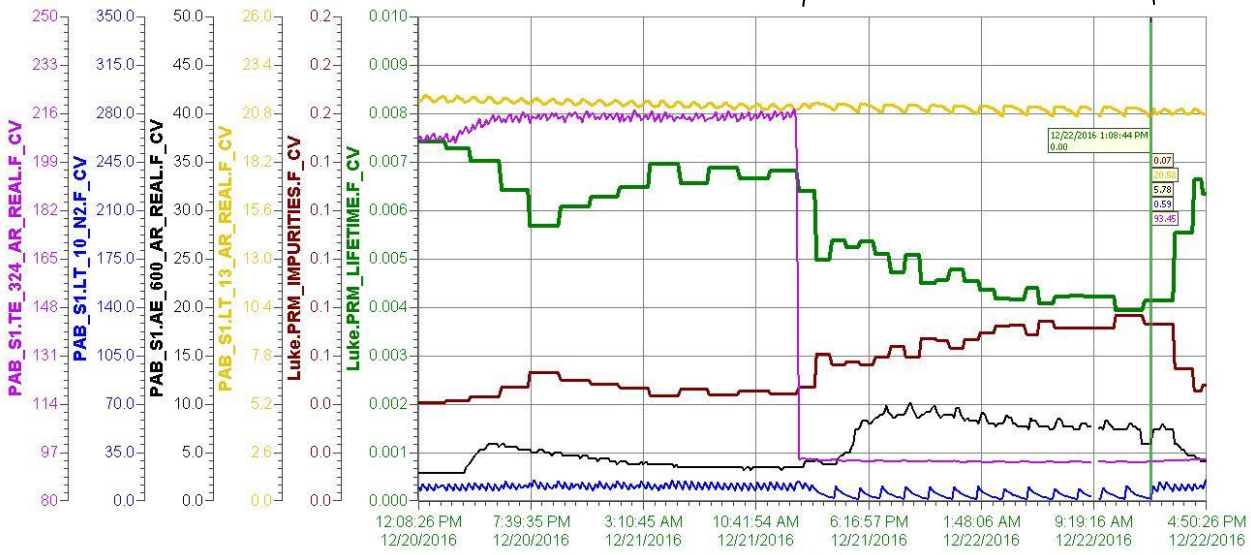
# 3M Electrical Cloth Tape Test 12/20/2016 – 1/5/2017

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	1/18/17 , logbook entry # 5637
<b>Sample Name/Description</b>	3M Acetate Cloth Electrical Tape 11 with a rubber thermosetting adhesive
<b>Sample</b>	
<b>Composition:</b>	acetate cloth
<b>Picture Location:</b>	data base
<b>Weight:</b>	~11 g
<b>Dimensions/Area:</b>	25.4 mm wide, 0.2 mm thick and 3 m long sample
<b>Source:</b>	Kenneth Sexton
<b>Preparation:</b>	double-back the tape upon itself, so it's glue-to-glue
<b>Submerging in LN2</b>	
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	10 min
<b>Purge</b>	24 hours with gas Argon from Luke
<b>Liquid Test</b>	
<b>Start Time/Date, End Time/Date :</b>	12/21/2016 2:28 pm, 12/22/2016 1:20 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	5.8 - 7 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	21 inches
<b>Lifetime:</b>	4 ms
<b>VaporTest</b>	
<b>Start Time/Date, End Time/Date :</b>	12/27/2016 10:12 am, 12/28/2016 1:48 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	4 - 5 ppb
<b>Temperature:</b>	213 K
<b>Liquid Level</b>	19.5 inches
<b>Lifetime:</b>	3.3 - 3.6 ms
<b>Room Temperature Test</b>	
<b>Start Time/Date, End Time/Date :</b>	1/3/2017 3:00 pm, 1/5/2017 10:49 am
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	26-30 ppb
<b>Temperature:</b>	warm
<b>Liquid Level</b>	17.5 inches
<b>Lifetime:</b>	2.1 - 2.3 ms



Sample after test

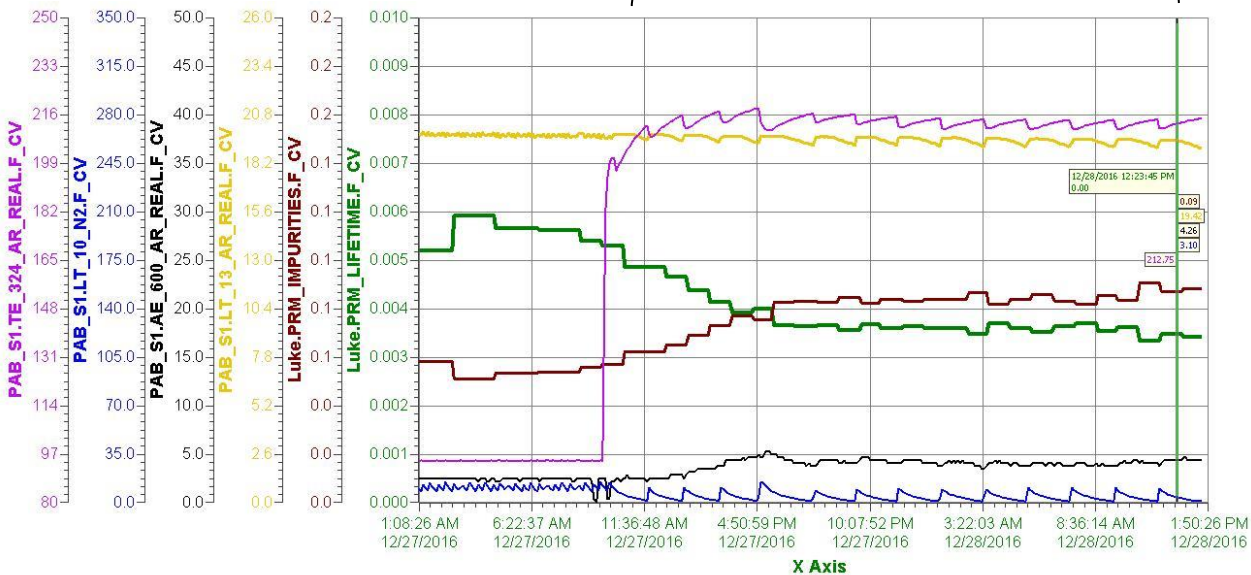
## Liquid test



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.0041	sec	0.0074	0.0039
Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.1	Imps	0.1	0.0
PAB_S1.LT_13_AR_REAL.F_CV	Luke Argon Level Probe	20.6	inches	21.7	20.6
PAB_S1.AE_600_AR_REAL.F_CV	Luke Halo (F_CV)	5.8	ppb	10.1	2.7
PAB_S1.LT_10_NZ.F_CV	Luke Condenser LN2 Level Probe (F_CV)	0.6	inches	14.4	0.6
PAB_S1.TE_324_AR_REAL.F_CV	Luke material elevator RTD (F_CV)	93	K	217	93

12:08:26 PM 12/20/2016 4:50:26 PM 12/22/2016

## Vapor test



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.0035	sec	0.0059	0.0033
Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.1	Imps	0.1	0.1
PAB_S1.LT_13_AR_REAL.F_CV	Luke Argon Level Probe	19.4	inches	19.5	19.3
PAB_S1.AE_600_AR_REAL.F_CV	Luke Halo (F_CV)	4.3	ppb	5.2	-0.0
PAB_S1.LT_10_NZ.F_CV	Luke Condenser LN2 Level Probe (F_CV)	3.1	inches	14.3	0.1
PAB_S1.TE_324_AR_REAL.F_CV	Luke material elevator RTD (F_CV)	213	K	218	94

1:08:26 AM 12/27/2016 1:50:26 PM 12/28/2016

