

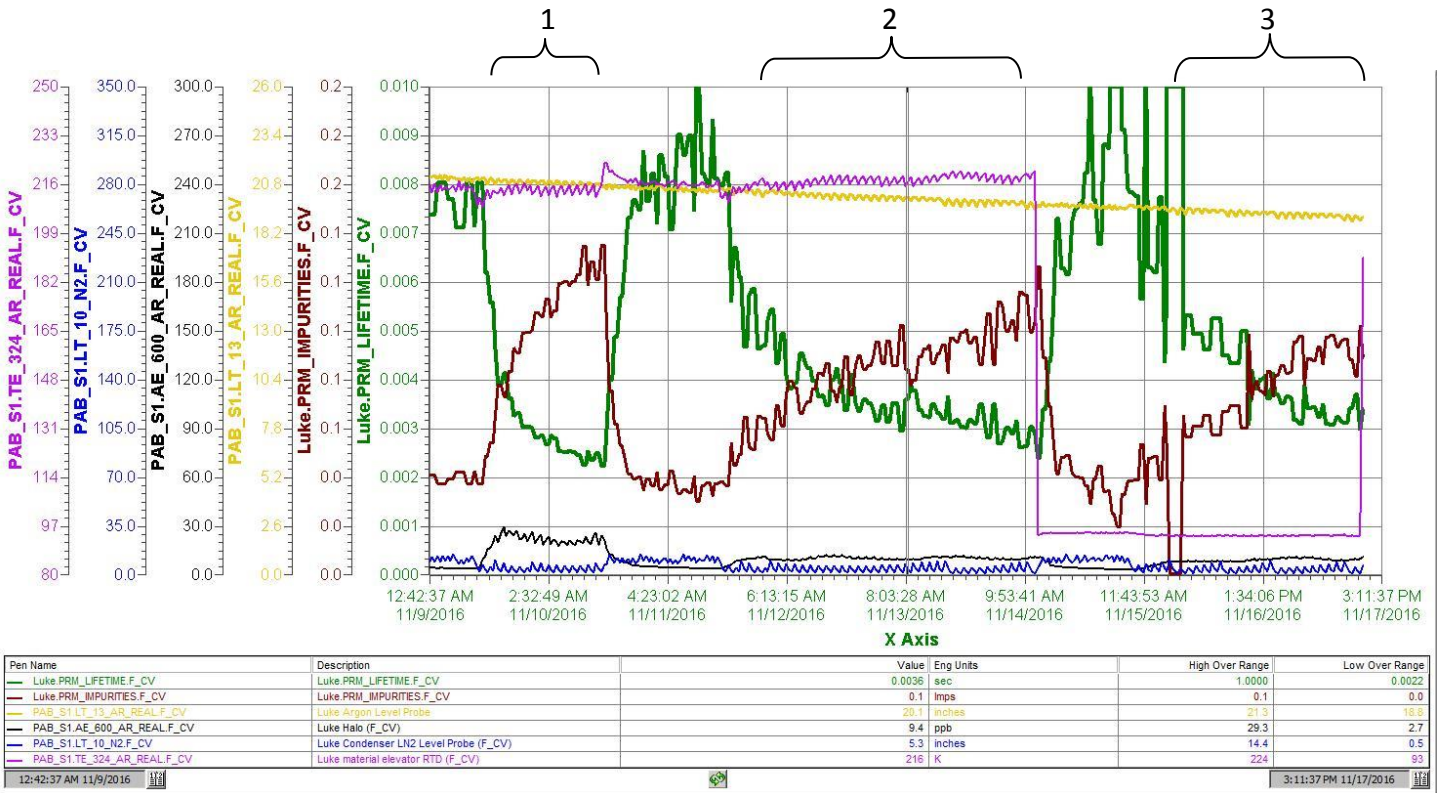
## 2 mil Kapton Tape Test      11/7/2016 – 11/17/2016

<b><i>PAB Materials Test System</i></b>	
<b>Date of Receipt</b>	11/17/16 , logbook entry # 5518
<b>Sample Name/Description</b>	Dupont Kapton 2 mil Film with 1.5 mil silicone adhesive
<b>Sample</b>	
<b>Composition:</b>	
<b>Picture Location:</b>	data base
<b>Weight:</b>	
<b>Dimensions/Area:</b>	12.5 mm wide 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>	after few hours - air bubbles between 2 layers of tape
<b>Time in the airlock(hrs)</b>	
<b>Vacuum:</b>	10 min
<b>Purge</b>	20 hours with gas Argon from Luke
<b>Room Temperature Test</b>	
<b>Start Time/Date, End Time/Date :</b>	11/9/2016 10:28 am , 11/10/2016 2 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	17-25 ppb
<b>Temperature:</b>	warm
<b>Liquid Level</b>	20.8 inches
<b>Lifetime:</b>	2.3 - 3 ms
<b>VaporTest</b>	69 hours in the vapor
<b>Start Time/Date, End Time/Date :</b>	11/11/2016 3:45 pm, 11/14/2016 12:38 pm
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	10 ppb
<b>Temperature:</b>	214 - 219 K
<b>Liquid Level</b>	19.5 inches
<b>Lifetime:</b>	3-4 ms
<b>Liquid Test</b>	50 hours in the liquid
<b>Start Time/Date, End Time/Date :</b>	11/15/2016 8:40 am, 11/17/2016 10:58 am
<b>PrM run # :</b>	x
<b>Condenser state:</b>	on
<b>Filter state/settings:</b>	off
<b>H2O reading:</b>	7-9 ppb
<b>Temperature:</b>	95 K
<b>Liquid Level</b>	19.1 inches
<b>Lifetime:</b>	3-4 ms



Sample after test

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



Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen