

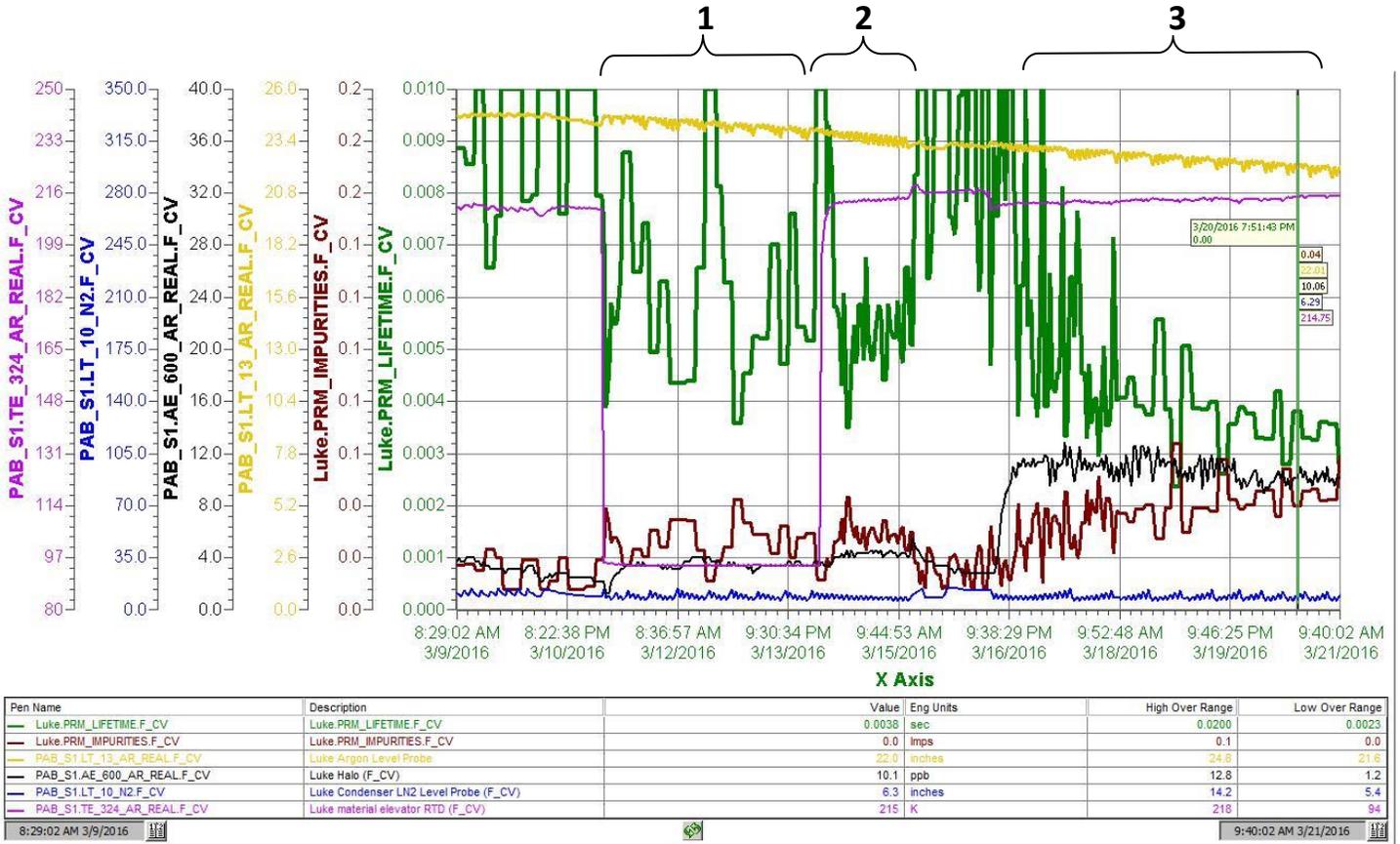
DUNE Superior Essex Cat 6A Test 3/11/2016 – 3/21/2016

<i>PAB Materials Test System</i>	
Date of Receipt	3/25/15 , logbook entry # 5198
Sample Name/Description	Superior Essex Cat 6A cable
	Dune Photon Detector Cable
Sample	
Composition:	Teflon Jaceting with Mylar Aluminized Individual Pair Shields
Picture Location:	data base
Weight:	94.5 g
Dimensions/Area:	length approx. 146 cm, dia aprox 6.5 mm
Source:	Russ Rucinski, Patrick De Lurgio, Gary Drake
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 :	3/11/2016 10:35 AM , 3/14/2016 8:25 AM
PrM run # :	27035
Condenser state:	on
Filter state/settings:	off
H2O reading:	3 ppb
Temperature:	95 K
Liquid Level	23.3 inches
Lifetime:	6 ms
VaporTest	
Start Time/Date, End Time/Date :	3/14/2016 8:25 AM, 3/15/2016 1:23 PM
PrM run # :	27062
Condenser state:	on
Filter state/settings:	off
H2O reading:	4 ppb
Temperature:	214 - 215 K
Liquid Level	23.1 inches
Lifetime:	5-6 ms
Room Temperature Test	
Start Time/Date, End Time/Date :	3/16/2016 3:50 PM, 3/21/2016 9:40 AM
PrM run # :	27116
Condenser state:	on
Filter state/settings:	off
H2O reading:	10 ppb
Temperature:	room
Liquid Level	23-21.5 inches
Lifetime:	2.5 - 4 ms



FEB 24, 2016
DUNE PHOTON DETECTOR CABLE
SUPERIOR ESSEX CAT6A FEP JACKETED CABLE.
TEFLON JACKETING WITH MYLAR
ALUMINIZED
INDIVIDUAL PAIR SHIELDS.
GARY DRAKE AT ANL
RUSS RUCIWSKI AT FNAL

1. Liquid test
2. Vapor Test
3. Room Temp.



Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen

