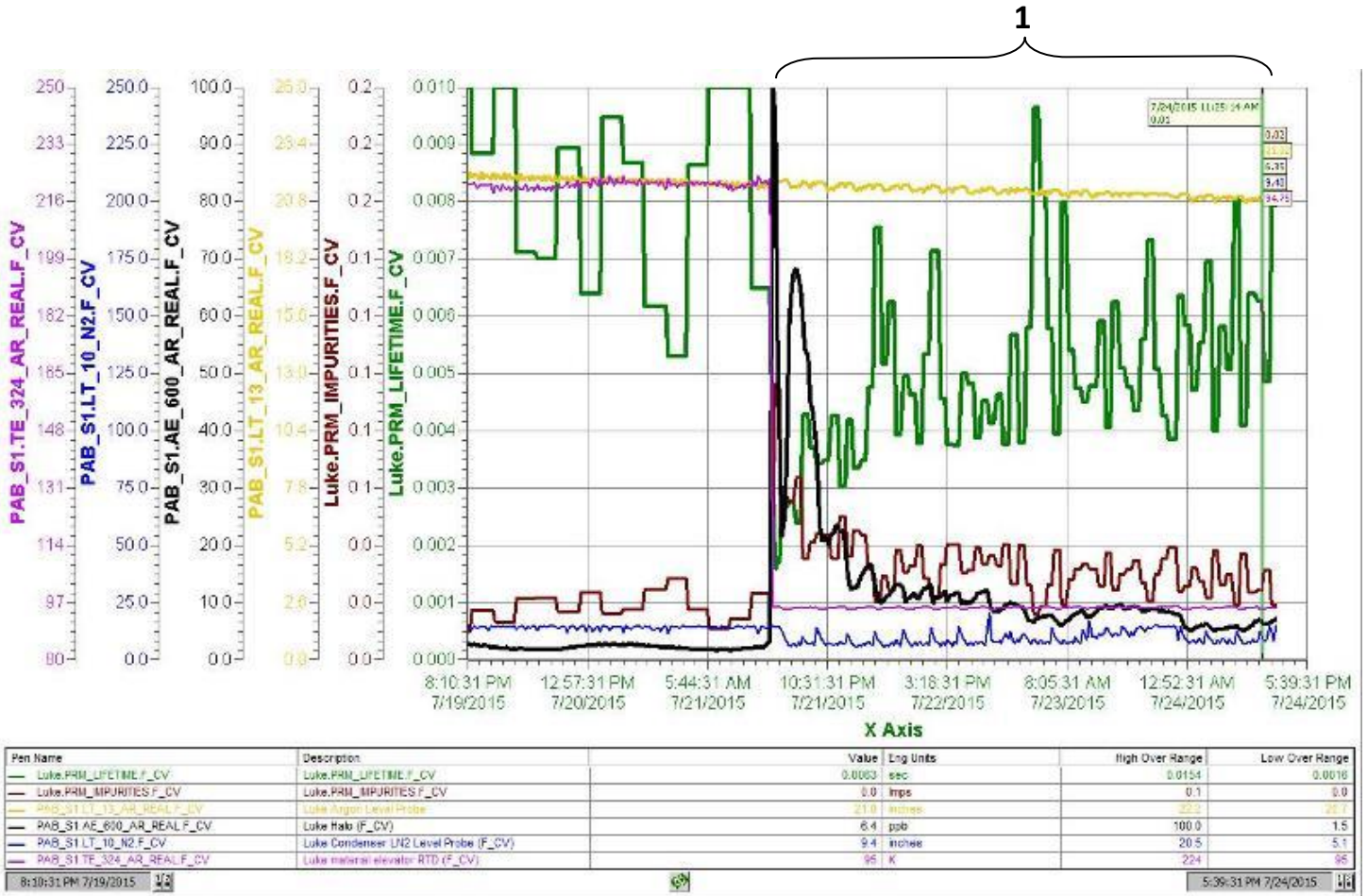


Norplex Micarta NP315 Test 7/20/2015 – 7/24/2015

| PAB Materials Test System | |
|---|--|
| Date of Receipt | 8/3/2015 eLog entry # 5110 |
| Sample Name/Description | Norplex Micarta NP315 black cotton/phenolic composite material |
| Sample | |
| Composition: | Canvas phenolic laminate with graphite added as a solid lubricant. |
| Picture Location: | data base |
| Weight: | 35.1 g |
| Dimensions/Area: | 153 mm x 100 mm x 1 mm |
| Source: | Bo Yu, BNL |
| Preparation: | cleaned with alcohol |
| Submerging in LAr or LH2 | x |
| Time in the airlock(hrs) | |
| Purge: | 27 hours |
| Vacuum: | X |
| Liquid Test | |
| Start Time/Date, End Time/Date : | 7/21/2015 3:52:00 am; 7/24/2015 1:25 pm |
| PrM run # : | 24885 |
| Condenser state: | on |
| Filter state: | off |
| H2O reading: | first increased to >200 ppb , than dropped and stabilized below 10 ppb |
| Liquid level: | 21 inches |
| Temperature: | 95 K |
| Lifetime: | dropped from 8 ms to <2 ms, than stabilized around 5 ms |
| Zero Test | |
| Start Time/Date, End Time/Date : | 6/10/2015, 6/18/2015 |
| PrM run # : | 24444 |
| Condenser state: | on |
| Filter state/settings: | off |
| H2O reading: | increased to 6 ppb |
| Temperature: | 95 K |
| Lifetime: | slowly decreased, stayed in 3-5 ms range for the last few days |
| Results/comments | |
| | |



1. Liquid test.



Green pen - lifetime

Yellow pen - liquid level

Magenta pen - temperature

Brown pen - impurities

Black pen - water

2. Zero test.

