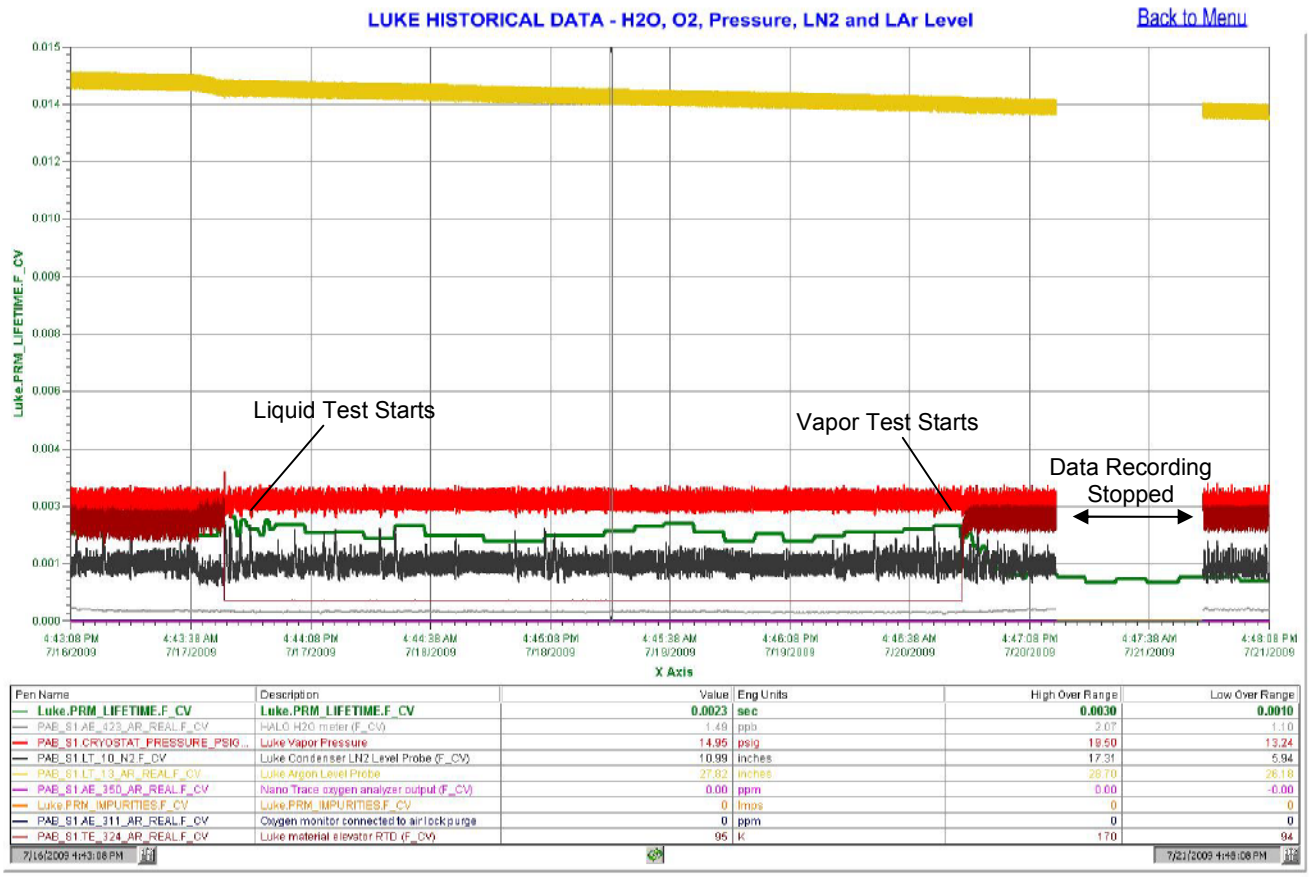
PAB Materials Test System	
Date of Receipt	8/24/2009
Sample Name/Description	Master Bond glue EP29LPSP
Sample	
Composition:	Two component, heat cured epoxy
Picture Location:	
Density:	x
Weight:	10.5g sample
Dimensions/Area:	app. 70mm dia. 2mm thick glue disc
Source:	Cary Kendziora
Preparation:	
Submerging in LAr or LN2	x
Zero Test	x
Time in the airlock(hrs)	
Purge:	7/16/09 overnight and 3h with Luke vapor
Vacuum:	x
Vapor Test 1	
Start Time/Date, End Time/Date :	7/20/2009 10:30am, 7/22/2009 9:00am
PrM run # :	5534
Condenser state:	On
Filter state:	On
O2 reading:	0.00ppm
H2O reading:	1.63ppb
Temperature:	163K
Lifetime:	2.2ms 2mins after, 1.3ms 7hrs after
Vapor Test 2	x
Start Time/Date, End Time/Date :	
PrM run # :	
Condenser state:	
Filter state:	
O2 reading:	
H20 reading:	
Temperature:	
Lifetime:	
Liquid Test	
Start Time/Date, End Time/Date :	7/17/09 8:00am, 7/20/09 10:30am
PrM run # :	5503
Condenser state:	On
Filter state/settings:	On
O2 reading:	0.00ppm
H20 reading:	1.4ppb
Temperature:	95K
Lifetime:	2.2ms before test, 2.9ms 8mins after
Liquid level :	27.9 inches
Results & Comments	Master Bond glue can be used at low temperatures.
	Historical Data plot in elog 7/20/2009 and 7/22/2009


LUKE HISTORICAL DATA - H2O, O2, Pressure, LN2 and LAr Level
Back to Menu
Luke.PRM_LIFETIME.F_CV
Liquid Test Starts
Vapor Test Starts
Data Recording Stopped
X Axis
Pen Name | Description | Value | Eng Units | High Over Range | Low Over Range
Luke.PRM_LIFETIME.F_CV | Luke.PRM_LIFETIME.F_CV | 0.0023 | sec | 0.0030 | 0.0010
PAB_S1.AE_423_AR_REAL.F_CV | HALO H2O meter (F_CV) | 1.49 | ppb | 2.07 | 1.10
PAB_S1.CRYOSTAT_PRESSURE_PSIG... | Luke Vapor Pressure | 14.95 | psig | 19.50 | 13.24
PAB_S1.LT_10_N2.F_CV | Luke Condenser LN2 Level Probe (F_CV) | 10.99 | inches | 17.31 | 5.94
PAB_S1.LT_13_AR_REAL.F_CV | Luke Argon Level Probe | 27.82 | inches | 28.70 | 26.18
PAB_S1.AE_350_AR_REAL.F_CV | Nano Trace oxygen analyzer output (F_CV) | 0.00 | ppm | 0.00 | -0.00
Luke.PRM_IMPURITIES.F_CV | Luke.PRM_IMPURITIES.F_CV | 0 | lmps | 0 | 0
PAB_S1.AE_311_AR_REAL.F_CV | Oxygen monitor connected to airlock purge | 0 | ppm | 0 | 0
PAB_S1.TE_324_AR_REAL.F_CV | Luke material elevator RTD (F_CV) | 95 | K | 170 | 94