

Survey date: Monday, July 01 2019

INTRODUCTION

This report presents general performance parameters of the tool.

Definitions:

MTBF UI/Server:

Mean Time Between Failure in Hrs; each time the UI or Server is not properly shut down is counted against the performance

MTBF = TotalTime / (1 + # of incorrect shutdowns)

SYSTEM CONFIGURATION:

System Type	**HELIOSNANOLAB600G**

GIS:

Chamberport	Type	ccm slot
Port 1	C dep (FP3401_00)	65
Port 2	NONE	
Port 3	NONE	
Port 4	Pt dep (FP3400_30)	68
Port 5	NONE	

Configuration

14 segments STEM detector

SideWinder Ion Column

INSTALLED SOFTWARE:

FEI xT-TAD software v3.8.8	<version number not avaliable>
FEI NanoBuilder 2.0.1.926	2.0.1.926
FEI Licensing 1.3	1.3
FEI TAD Framework	3.1.1
FEI xT Selective Etch	3.8.0
FEI WizSteps xT	3.2.1.348
FEI NanoBuilder	2.0
FEI SDB	3.8.8
FEI xT Auto FIB	3.8.5

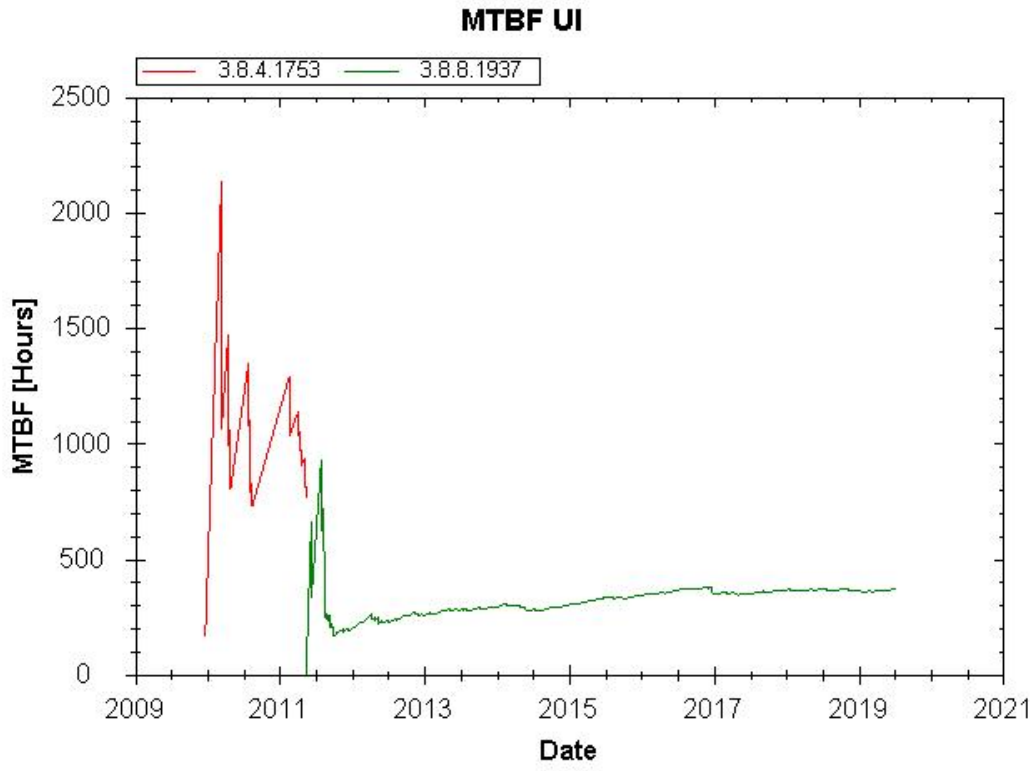
FEI Infra HEP	3.8.0
FEI WizSteps Core	3.2.0
FEI SAL SDB for Slice And View G2	1.0.1
FEI Sidewinder Alignments	3.2.1.347
FEI RAPID 3.3.1 Customer	3.3.1
FEI Slice And View G2	1.0.2
FEI xT Motion	3.8.0
FEI Licensing	1.3
FEI Elstar Alignments	3.2.1.349
FEI SEM Optics	1.4.0
FEI AutoTEM G2	3.8.0
FEI XT Alignments	3.2.1.348
xT Server	1,5,1

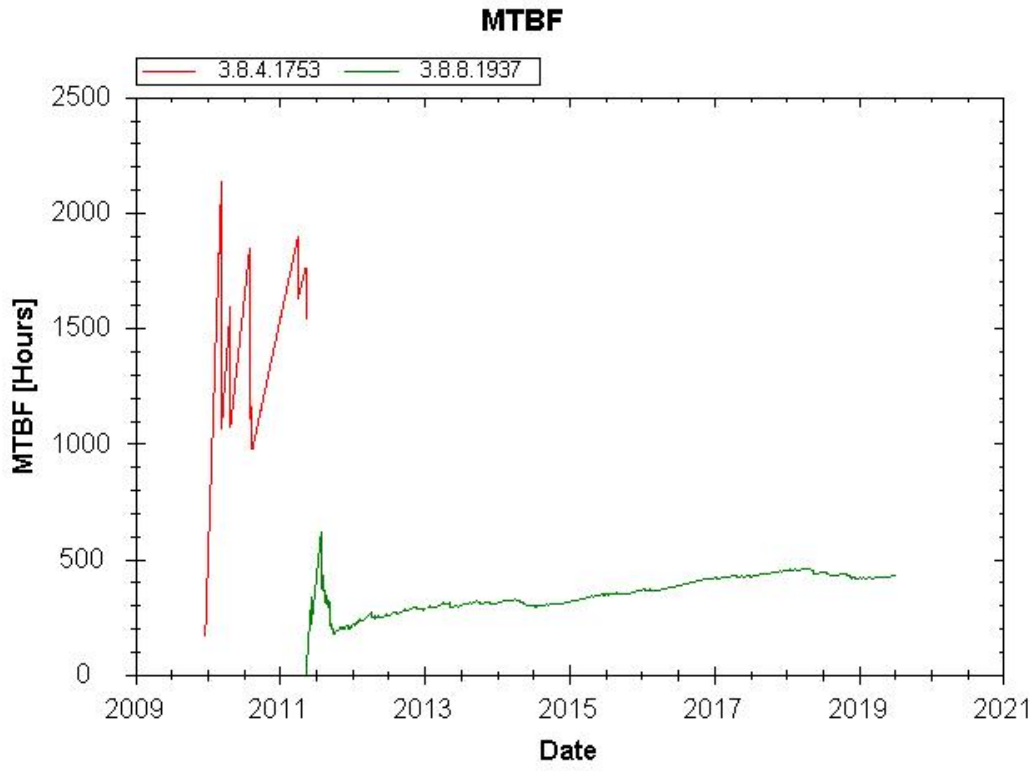
MTBF UI/Server:

Current SW Version **1,5,1**

Software Version	MTBF UI (hrs:min)	#failures
3.8.4.1753	694:45	15
3.8.8.1937	360:37	190

Software Version	MTBF (hrs:min)	#failures
3.8.4.1753	1401:22	7
3.8.8.1937	421:19	164



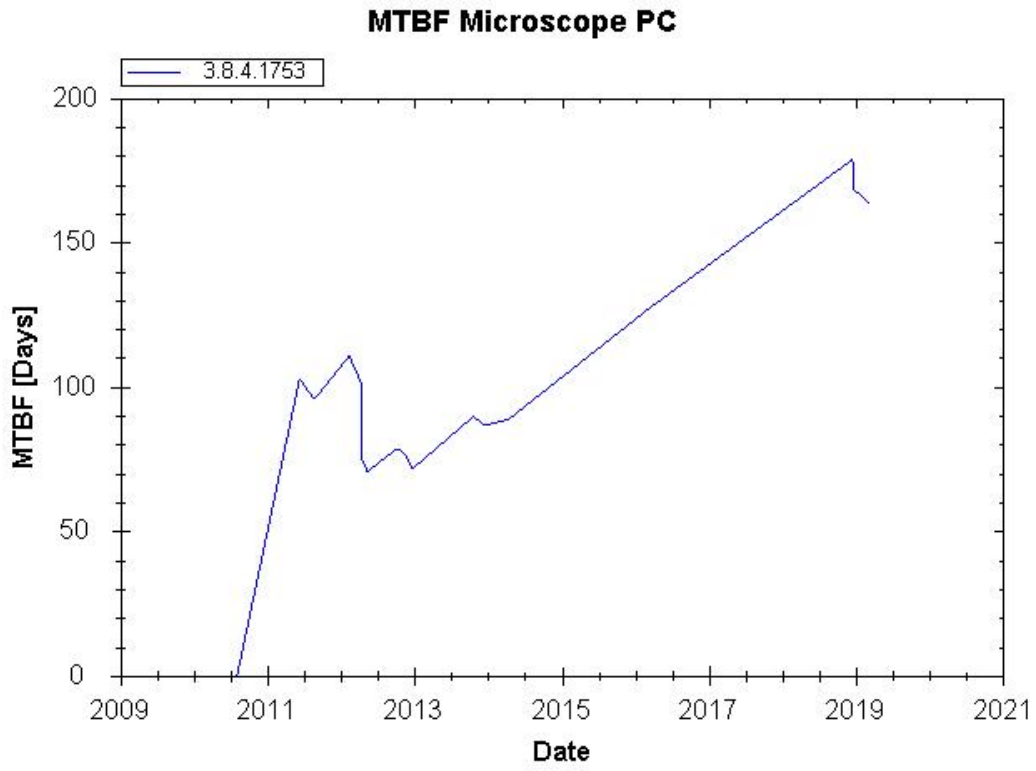


PC Version	**4022 297 19921**
Windows Type	**Microsoft Windows XP Professional**
Windows Version	**5.1.2600 Service Pack 2 Build 2600**

MTBF PC

Date	Filename	Software version	TTF (Days)	MTBF
2010-07-30	Mini073010-01.dmp	3.8.4.1753	0	0
2010-07-30	Mini073010-02.dmp	3.8.4.1753	0	0
2011-06-06	Mini060611-01.dmp	3.8.4.1753	311	103
2011-08-19	Mini081911-01.dmp	3.8.4.1753	74	96
2012-02-07	Mini020712-01.dmp	3.8.4.1753	172	111
2012-04-05	Mini040512-01.dmp	3.8.4.1753	58	102
2012-04-05	Mini040512-02.dmp	3.8.4.1753	0	87
2012-04-05	Mini040512-03.dmp	3.8.4.1753	0	76

2012-05-07	Mini050712-01.dmp	3.8.4.1753	32	71
2012-10-04	Mini100412-01.dmp	3.8.4.1753	150	79
2012-11-20	Mini112012-01.dmp	3.8.4.1753	47	76
2012-12-18	Mini121812-01.dmp	3.8.4.1753	28	72
2013-10-16	Mini101613-01.dmp	3.8.4.1753	302	90
2013-12-10	Mini121013-01.dmp	3.8.4.1753	55	87
2014-04-07	Mini040714-01.dmp	3.8.4.1753	118	89
2016-03-16	Mini031616-01.dmp	3.8.4.1753	709	128
2018-12-10	Mini121018-01.dmp	3.8.4.1753	999	179
2018-12-12	Mini121218-01.dmp	3.8.4.1753	2	169
2019-02-24	Mini022419-01.dmp	3.8.4.1753	74	164



Lifetime
E Column
Total Filament on time **32129 Hours**

I Column
LMIS Lifetime **150 Hours**