XMM Optical Monitor

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DPU-ICU SOFTWARE TESTING RESULTS: EXPOSURE RUNNING LOG

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Here are descriptions of Version and Errors.

Version

- date e.g., 98may1, 980628 — cvs snapshot on that date
- fmtestmay98 — CVS tag fmtestmay98
- heh++ — heh's latest version with new fixes
- orig* — aka dd.tar.alltest.ucly.gz.old

Errors

- Fred at 1/1a/2
- Fred — DPU reset
- Fred 30,1/11 — DPU reset (causing SSI block corruption)
- RBI errors — ICU crashed

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: **May 1**						
small.1a	18:00	98may1	98may1	DEM-P	Cheng	ICU packet mss at a/Dave at May2, 10:40
small.1a	18:00	98may1	98may1	DEM-R	Cheng	
small.1a	20:00	98may1	98may1	DEM-R	Cheng	ICU packet messed up at 2/Dave after 2H
small.1a	22:00	98may1	98may1	DEM-R	Cheng	ICU hang at 3/17/22, packet messed up at a/Dave
Date: May 2						
small.1a	15:08	98may	98may1+fix	DEM-P	Cheng	Fred at 1/1a/2
small.1a	15:13	98may	98may1	DEM-P	Cheng	success, manual stop after 44H/24C
small.1a	00:00	may1	may1	DEM-R	Cheng	ICU hang at 3/17/22, packet messed up at 3/Dave
small.1a	10:30	98may	may1 +fix	DEM-R	Cheng	manual stop after 44H/24C
Date: May 4						
small.1a	22:30	98may	may1+	DEM-P	Cheng	success, manual stop after 36H/20C
small.1a	17:05	98may	may1+	DEM-R	Cheng	success, manual stop after 14.5H/10C
Date: May 7						
small.1a	22:30	98may	may2	DEM-P	Cheng	success, manual stop after 11H/6C
Date: May 8						
small.1a	22:00	98may	may2	DEM-R	Cheng	
Date: May 9						
small.1a	07:18	98may	may2	DEM-P	Cheng	success, manual stop after 30H/17C
Date: May 10						
small.1a	14:15	98may10(new)	may2	DEM-P	Cheng	Fred at 1/1a/2
small.1b	14:35	98may10(new)	may2	DEM-P	Cheng	

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: May 12						
eng2	16:20	??	??	BB	pjs1/rho	success
eng5	16:20++	??	??	BB	pjs1/rho	success
eng4	16:20++	??	??	BB	pjs1/rho	success
Date: May 13						
eng6	10:30	ch	pjs1	BB	pjs1/rho	success
tiny	11:30	ch	pjs1	BB	pjs1/rho	ICU crash — wrong code loaded
tiny	15:10	ch	heh	BB	pjs1/rho	success — right code
tiny	16:00	ch	heh	BB	pjs1/rho	Exception 31 a7af — fixed for next exp
tiny	19:50	ch	heh	BB	pjs1/rho	success (up to test_icb)
tiny	20:40	ch	heh	BB	pjs1/rho	success
tiny	22:10	ch	heh	BB	pjs1/rho	success (up to test_icb)
Date: May 14						
tiny		ch	heh	BB	pjs1/rho	success (up to test_icb)
eng6	14:40	ch	heh	BB	pjs1/rho	all zeros — data capture not connected
eng5	21:00	ch	heh	BB	pjs1/rho	success
eng4	21:51	ch	heh	BB	pjs1/rho	success
Date: May 15						
tiny	09:00	ch	heh	BB	pjs1/rho	
eng4	09:50	ch	heh	BB	pjs1/rho	
eng6	15:15	ch	heh	BB	pjs1/rho	
Date: May 17						
eng6	16:50	ch	heh	BB	pjs1/rho	a few alerts
small	22:48	ch	heh	BB	pjs1/rho	success for 10 hr
Date: May 19						
small	03:30	ch	heh	BB	pjs1/rho	4 exp then stopped a500
small		orig	heh	BB	pjs1/rho	success 10 frames
small	13:40	orig	heh	BB	pjs1/rho	
small	14:30	orig	heh	BB	pjs1/rho	Fred
Date: May 20						
eng5	00:40	pjs1/rho	heh	BB	pjs1/rho	success
eng6	09:50	pjs1/rho	heh	BB	pjs1/rho	success
Date: May 21						
small	11:46	pjs1/rho	heh	BB	pjs1/rho	success
eng3	13:20	pjs1/rho	heh	BB	pjs1/rho	failed
eng5	13:40	pjs1/rho	heh	BB	pjs1/rho	success
eng3	13:50	pjs1/rho	heh	BB	pjs1/rho	failed
eng6	14:00	pjs1/rho	heh	BB	pjs1/rho	success
eng4	14:10	pjs1/rho	heh	BB	pjs1/rho	success

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: May 22						
eng6	16:58	ch++	heh	BB	pjs1	success
small	18:25	ch	heh	BB	pjs1	ICU crash — RBI errors
Date: May 23						
small	20:51	ch	heh	BB	pjs1	success 70 exps
Date: May 24						
eng4	12:26	ch	heh	BB	pjs1	success
eng4	16:49	ch	heh	BB	pjs1	success
small	17:32	ch	heh	BB	pjs1	success
Date: May 26						
eng3	13:21	ch	heh++	BB	pjs1	success
eng4	13:46	ch	heh	BB	pjs1	success
eng5	15:48	ch	heh	BB	pjs1	success
eng6	16:04	ch	heh	BB	pjs1	success
Date: May 27						
eng3	14:00	ch	mcrw	BB	pjs1	success
eng6	14:00++	ch	mcrw	BB	pjs1	success
eng5	14:00++	ch	mcrw	BB	pjs1	success
Date: May 28						
expose_fm.eng0	15:22	ch	mcrw	FM DEM	pjs1	probable success
expose_fm.eng4	16:02	ch	mcrw	FM DEM	pjs1	probable success
Date: May 29						
expose_fm.eng4.[12]	12:54	ch	mcrw	detP	pjs1	success
expose_fm.eng4.[12]	15:53	ch	mcrw	detR	pjs1	success

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: June 12						
eng4	13:21	fmtestmay98	fmtestmay98+mem	BB	pjs1	Excep 12 2f10
eng4	16:30	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	18:07	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	19:35	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	20:38	fmtestmay98	fmtestmay98+mem	BB	pjs1	Fred RBI
eng4	22:18	fmtestmay98	fmtestmay98+mem	BB	pjs1	
Date: June 13						
eng4	08:39	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	09:45	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	21:43	fmtestmay98	fmtestmay98+mem	BB	pjs1	
Date: June 14						
eng4	08:14	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	09:47	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	20:16	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	12:30 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	14:20 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	half an eng4
eng4	15:25 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	half an eng4

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: June 15						
eng4	16:00 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	16:00++PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	19:44 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	19:44++PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	11:01	fmtestmay98	fmtestmay98+mem	BB	pjs1	Fred 30,11
eng4	11:27	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	11:27	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	11:27	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	17:39	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	19:29	fmtestmay98	fmtestmay98+mem	BB	pjs1	
eng4	19:29	fmtestmay98	fmtestmay98+mem	BB	pjs1	
Date: June 16						
tiny	00:37	fmtestmay98	fmtestmay98+mem	BB	pjs1	Fred
eng4	17:00 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	18.43 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	21:20 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
eng4	23:00 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	success
tiny	00:30 PDT	fmtestmay98	fmtestmay98+mem	BB	rho	Fred 30,1
small	11:02	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	
eng4	17:46	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	Fred 30,1
eng4	17:46++	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	
small	17:46++	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	
eng	19:00	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	Fred 30,1
eng4	20:10	fmtestmay98	fmtestmay98+fix	BB	pjs1	
eng	21:57	orig*	fmtestmay98+fix	BB	pjs1	Fred 30,1
eng4	23:43	orig	fmtestmay98+fix	BB	pjs1	

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: June 17						
eng4	01:15	alltest.ucly	fmtestmay98+fix	BB	pjs1	
eng4	18:00 PDT	alltest.ucly	fmtestmay98+fix	BB	rho	
eng4	19:35 PDT	alltest.ucly	fmtestmay98+fix	BB	rho	
eng4	21:40 PDT	alltest.ucly	fmtestmay98+fix	BB	rho	
eng4	23:10 PDT	alltest.ucly	fmtestmay98+fix	BB	rho	
eng4	00:35 PDT	alltest.ucly	fmtestmay98+fix	BB	rho	half an eng4
eng4	12:27	alltest.ucly	fmtestmay98+fix	BB	pjs1	Fred 30,1
eng4	16:30	19980324	fmtestmay98+fix	BB	pjs1	
eng4	22:23	latest+jim	fmtestmay98+fix	BB	pjs1	
Date: June 18						
eng4	00:14	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	01:51	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	03:17	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	04:42	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	06:05	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	07:35	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	07:35++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	07:35++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	07:35++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	07:35++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	20:53++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	20:53++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	23:15	latest+jim	fmtestmay98+fix	BB	pjs1	
Date: June 19						
eng4	23:15++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	23:15++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	23:15++	latest+jim	fmtestmay98+fix	BB	pjs1	
eng4	23:15++	latest+jim	fmtestmay98+fix	BB	pjs1	Fred 30,1
eng4	07:26	latest+jim	980501	BB	pjs1	Fred 30,1
Date: June 20–1						
Many eng 4 exposures with data capture disconnected. All empty but successful.						
Date: June 22						
tiny	13:50	fmtestmay98	fmtestmay98+fix	DEMR	pjs1	Fred 30,1
eng4	14:34	fmtestmay98	fmtestmay98+fix	DEMR	pjs1	
eng4	14:50	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	
eng4	16:28	fmtestmay98	fmtestmay98+fix	DEMP	pjs1	
tiny	16:53	fmtestmay98	fmtestmay98+fix	DEMR	pjs1	

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: June 24						
eng4	21:50	fmtestmay98	fmtestmay98	DEMP @ Belg	pjs1	ICU watchdog
eng4	22:36	fmtestmay98	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
eng4	23:43	fmtestmay98	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
Date: June 25						
eng4	01:07	fmtestmay98	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
eng4	01:28	fmtestmay98	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
eng4	04:05	980613	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
eng4	04:54	980613	fmtestmay98+fixes rate=8	DEMP @ Belg	pjs1	Fred 30,1
eng4	05:38	980613	fmtestmay98+fixes rate=30	DEMP @ Belg	pjs1	Fred 30,1
eng4	06:29	980501	fmtestmay98+fixes	DEMP @ Belg	pjs1	Fred 30,1
eng4	08:21	980613	fmtestmay98+fixes	DEMR @ Belg	pjs1	Fred 30,1
eng4	13:17	980613	fmtestmay98+fixes	DEMR @ Belg	pjs1	Fred 30,1
eng4	17:46	980613	fmtestmay98+fixes	DEMR @ Belg	pjs1	
eng4	17:46++	980613	fmtestmay98+fixes	DEMR @ Belg	pjs1	Fred 30,1
Date: June 26						
eng4	00:29	980613	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1
eng4	03:56	980501	icu_fm3.hex	DEMR@Belg	pjs1	ICU hang
eng4	05:21	980501	icu_fm4.hex	DEMR@Belg	pjs1	ICU error before start
eng4	06:25	980501	icu_fm4.hex	DEMR@Belg	pjs1	ICU watchdog
eng4	16:13	980613?	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1
Date: June 27						
expose_fm.eng4.[1-3]	18:36	980613	fmtestmay98+fixes	DEMR@Belg+det	pjs1	Fred 30,1
expose_fm.eng4.[1-3]	20:03	980613	fmtestmay98+fixes	DEMR@Belg+det–hv	pjs1	success
expose_fm.eng4.[1-3]	22:05	980613	fmtestmay98+fixes	DEMR@Belg+det–hv+ftags	pjs1	success
Date: June 28						
eng4	13:33	980613	fmtestmay98+fixes	DEMR@Belg	pjs1	success with simple data
eng4	15:14	980613	fmtestmay98+fixes	DEMR@Belg	pjs1	success with simple data
eng4	17:40	980613	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1 with complex data
eng4	19:02	980628	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	22:00	980628	fmtestmay98+fixes	DEMR@Belg	pjs1	success

script	time	DPU ver.	ICU ver	hardware	oper	result, error
Date: June 29						
eng4	19:06	980628.cmp128	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	22:36	980628.new_cmp	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1
eng4	23:30	980628.cmp192-3	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1
eng4	23:46	980628.cmp192	fmtestmay98+fixes	DEMR@Belg	pjs1	Fred 30,1
Date: June 30						
eng4	00:05	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	05:00	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	05:00++	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	05:00++	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	05:00++	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
eng4	05:00++	980628.cmp128-3	fmtestmay98+fixes	DEMR@Belg	pjs1	success
Date: July 01						
expose_fm.eng4.[1-3]	05:31	980628.cmp128	fmtestmay98+fixes	DEMR@Belg+detP	pjs1	success
eng4	20:23	980628.cmp128	fmtestmay98+fixes	DEMR@Belg	pjs1	success
Date: July 02						
eng4	00:43	980628.cmp128	fmtestmay98+fixes	DEMR@Belg	pjs1	success
expose_fm.eng4.[1-3]	15:15	980628.cmp128	fmtestmay98+fixes	DEMP@Belg+detR	pjs1	Fred 80000 $\mathrm{cnt\,s^{-1}}$