XMM Optical Monitor

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SOFTWARE STATUS FOR THE FM

Document Number: XMM-OM/MSSL/SP/0170.08

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CHANGE RECORD

ISSUE	DATE	PAGES CHANGED	COMMENTS
01	30 May 1998	All New	
02	14 August 1998	All	Major revision
03	16 August1998	All	Major revision
04	18 Sep 1998	All	Safe Mode added, prime and redundant code merged. Heater Algorithm revised.
05	25 Sep 1998	All	Software modification summary added
06	1 Oct 1998	Section 2	Revision to Modification Summary of release 5
07	23-Dec-1998	All	Revision summary for release 7.
08	26-Mar-1998	All	Revision summary for release 8.

CONTENTS

1. INTRODUCTION

This document contains all the software files and their version numbers used for Basic Mode and Operational Mode for the ICU and the DPU code for the Optical Monitor FM.
All the files are kept under version control using cvs.
There is a Makefile for each set of ICU source code files for use with GNU make and a series of makefiles and scripts for the DPU source code.

See also the following documents:

XMM-OM/UCSB/TC/0043, Description of DPU flight software changes 1/99 - 3/99

and

XMM-OM/UCSB/RP/0003 DPU Flight Software Testing Report for Release 8

2. CODE MODIFICATION SUMMARY

2.1 Modifications between Release 3 and Release 4

ICU Code

Reference	Comments
OM-MSSL-ECR-69	Autonomous Safing task removed as it would not have been able to respond quickly enough, and there are hardware HV protections anyway
OM-MSSL-ECR-71	The prime and redundant code is now identical. The code decides whether it is running on prime or redundant.
OM-MSSL-NCR-69	ICU now ignores swap unit status in DPU status word when DPU is in ‘boot’ mode as this value is incorrect.
OM-MSSL-NCR-97	Incorrect loading of Window Table removed.
OM-MSSL-NCR-98	Alert in the event of unexpected DPU reset added.
OM-MSSL-NCR-99	DPU Power down command now works.
OM-MSSL-NCR-100	Command rejected if attempt is made to move filter wheel while it is still moving.
OM-MSSL-NCR-101	Command rejected if attempt is made to move filter wheel to an absolute position before the datum has been found.
OM-MSSL-NCR-102	Filter Wheel now moves slowly when seeking datum when near coarse sensor to prevent occasional failure to find datum.
OM-MSSL-NCR-103	It should now be impossible to have both automatic and contingency heater tasks running together.
OM-MSSL-NCR-104	Default heater control on start-up of operational mode are now the closed loop rather than the open loop algorithms.
OM-MSSL-NCR-105	Going to Safe Mode in Operational Mode now ‘safes’ the high voltages and filter wheel.
OM-MSSL-NCR-106	Additional ‘Intermediate Safe’ mode command added, ‘Safing level’ modifier in command removed.
OM-MSSL-NCR-107	Memory dump of detector electronics now works.
OM-MSSL-NCR-110	Filter wheel ‘Bar’ position now at 2100 (as per changed specification).

DPU Code

There were no modifications to the DPU code.

2.2 Modifications between Release 4 and Release 5

ICU Code

Reference	Comments
OM-MSSL-ECR-61	HV MCP1 now allowed to rise even if MCP23 not > 1100V (redundant only)
OM-MSSL-NCR-83	Irregular HK - now every 10 s
OM-MSSL-NCR-84	Incorrect heater status in HK fixed
OM-MSSL-NCR-87	Filter sometimes did not show ‘Unknown’ position prior to finding datum - fixed
OM-MSSL-NCR-88	Closed loop control of interface temperature now uses an average of the main, reference B and Reference C thermistors as its monitoring temperature. This is to be consistent with software used at CSL during thermal balance test.

DPU Code

Reference	Comments
OM-MSSL-ECR-67	Preliminary code for the real-time raw-data mode was added but can be completely turned off.
OM-MSSL-ECR-70	Science and memory windows reset to zero before configuring for each exposure.
OM-MSSL-NCR-90	DPU crashes with heavy white dsp activity, especially during compression and data output - caused by error in white swap unit code and FEC code screening - now fixed.
OM-MSSL-NCR-91	DPU crashes in engineering mode 4 with complex images - caused by the compressed data buffer watermark not being set, now set.
OM-MSSL-NCR-92	Global memory address zero was corrupted after blue event processing - caused by incorrect exiting of bad event address error handler - now fixed.
OM-MSSL-NCR-93	Bad event address - due to blue event ping/pong address wrong for null detector windows, fixed by implementing a more robust algorithm.
OM-MSSL-NCR-95	Flat Field Acquisition now supported
OM-MSSL-NCR-96	Scrubbing now implemented.

2.3 Modifications between Release 5 and Release 6

There were no software modification between release 5 and release 6 of this document. It was issued to clarify and correct issue 5.

2.4 Modifications between Release 6 and Release 7

All software modules were changed because of the addition of extra comments as part of the process of detailed design documentation. In addition, the following NCRs and ECRs were closed.

ICU

Reference	Comments
OM-MSSL-ECR-75	Implement time-out to go to intermediate safe if tm buffer full after x min
OM-MSSL-NCR-118	Incorrect sending of detector acquisition mode with IC_BPE_BINNING
OM-MSSL-NCR-121	Active area offset not added to DP_WDW window info
OM-MSSL-NCR-122	Makefile modifications needed to ensure delivery of .ads files
OM-MSSL-NCR-127	Flat field will not work (part of ECR 72, NCR 118 is also related)
OM-MSSL-NCR-128	15 Windows from DP_WDW will not load

DPU

Reference	Comments
OM-MSSL-NCR-114	DPU reports clock synch errors
OM-MSSL-NCR-115	DPU spontaneous reset following 30,1
OM-MSSL-NCR-117	Bad command while uploading code
OM-MSSL-NCR-119	ICU/DPU communication hang after 1 exposure
OM-MSSL-NCR-120	DA_PROG_MERRORs after power cycle
OM-MSSL-NCR-123	DPU heartbeat status does not reflect tracking on/off status
OM-MSSL-NCR-126	DPU stops communicating at busy spot after 23 hours
OM-MSSL-NCR-131	DP_WDW format correction.

2.5 Modifications between Release 7 and Release 8

ICU

Reference	Comments
OM-MSSL-ECR-72	Implement normal exposure with user selectable binning and tracking, see NCR127
OM-MSSL-ECR-75	Implement auto-safing in the event of tm queue staying full for > 5 mins.
OM-MSSL-ECR-76	Package mutex needs an exception handler.
OM-MSSL-ECR-81	Previously undocumented DPU alerts now supported.
OM-MSSL-ECR-82	ICU issues 2 ‘loss of filter wheel’ position messages.
OM-MSSL-NCR-125	ICU crashes with status 0072 after 191 hours
OM-MSSL-NCR-127	Support for low resolution flat field.
OM-MSSL-NCR-128	Support for 15 science windows.
OM-MSSL-NCR-129	No telemetry from OM after switch-on after OBDH problem - no s/w mod required.
OM-MSSL-NCR-137	icu_mem_manager is missing a ‘return’ statement.
OM-MSSL-NCR-140	Loss of telemetry associated with filter wheel ‘hang’.
OM-MSSL-NCR-144	Unnecessary task in dpu_mem_manager causes failures.
OM-MSSL-NCR-149	icu_mem_manager incorrectly calls the ‘unguarded’ versions of icb_driver routines.
OM-MSSL-NCR-151	ICB errors on start of operational mode.
OM-MSSL-NCR-152	Fast HK SID could not be enabled.
OM-MSSL-NCR-153	Fails to send expected illegal parameters when setting invalid speeds of mechanisms.
OM-MSSL-NCR-154	Fails to safe if f/w not previously datumed.
OM-MSSL-NCR-155	Always checks tc packet for valid crc, even when flag says it is not present.
OM-MSSL-NCR-156	Zero movement of dichroic is silently ignored.
OM-MSSL-NCR-157	Errors in makefile.
OM-MSSL-NCR-158	Loss of HK whilst loading centroid look-up tables.
OM-MSSL-NCR-165	Loss of ‘centroid table loaded’ message.

DPU

Reference	Comments
OM-MSSL-ECR-73	Colocate code in a single location.
OM-MSSL-ECR-74	Implement Robust DPU window allocation for flat field data - withdrawn..
OM-MSSL-ECR-77	RTRD mode
OM-MSSL-ECR-78	Implement enable/disable of scrubbing Global Program Storage.
OM-MSSL-ECR-80	Extra alert A5B2
OM-MSSL-NCR-94	ROM code crash - no s/w change required
OM-MSSL-NCR-126	DPU stops communicating at busy spot after 23 hour run.
OM-MSSL-NCR-130	Blue fast mode does not work.
OM-MSSL-NCR-131	DP_WDW format correction.
OM-MSSL-NCR-132	DPU crashes after power off/on using codes with red scrubbing.
OM-MSSL-NCR-133	RED_FEC_ARRAY error reporting array allocation problem.
OM-MSSL-NCR-134	Fast mode allocation error with same sampling time.
OM-MSSL-NCR-135	Fast mode data area allocation wrong.
OM-MSSL-NCR-136	RED DSP FEC s/w fails to output cumulative count of single bit errors.
OM-MSSL-NCR-146	Random exception traced to uninitialised variable.
OM-MSSL-NCR-160	A591 during ‘clean slate’ - no code change required

2.6 .Outstanding NCR's and ECR's.

DPU

Reference	Comments
OM-MSSL-NCR-159	Fast mode crash
OM-MSSL-NCR-166	Spectral dispersion in grism zero order requires changes to tracking code.
OM-MSSL-NCR-167	Difficulty was experienced in tracking with the magnifier during the end-to-end test.

3. BASIC MODE ADA CODE

CVS repository: MSSL
CVS module: icu/fm/basic
CVS tag: release7

```
File: Makefile              Status: Locally Modified
   Working revision:        1.9      Thu Mar  5 11:54:19 1998
   Repository revision:     1.9      /home/egse/CVS/icu/fm/basic/Makefile,v
File: USERDEFS.asm          Status: Up-to-date
   Working revision:        1.3      Mon Mar 23 13:52:25 1998
   Repository revision:     1.3      /home/egse/CVS/icu/fm/basic/USERDEFS.asm,v
File: adamakedepend         Status: Up-to-date
   Working revision:        1.1      Thu Oct 16 14:36:12 1997
   Repository revision:     1.1      /home/egse/CVS/icu/fm/basic/adamakedepend,v
File: bcp4_ih.ads           Status: Up-to-date
   Working revision:        1.3      Sat Nov 22 17:22:41 1997
   Repository revision:     1.3      /home/egse/CVS/icu/fm/basic/bcp4_ih.ads,v
File: bcp4_ih.asm           Status: Up-to-date
   Working revision:        1.4      Wed Feb 11 17:14:23 1998
   Repository revision:     1.4      /home/egse/CVS/icu/fm/basic/bcp4_ih.asm,v
File: bsio.asm              Status: Up-to-date
   Working revision:        1.4      Tue Feb 10 13:32:13 1998
   Repository revision:     1.4      /home/egse/CVS/icu/fm/basic/bsio.asm,v
File: crc.adb               Status: Up-to-date
   Working revision:        1.3      Sat Nov 22 17:22:41 1997
   Repository revision:     1.3      /home/egse/CVS/icu/fm/basic/crc.adb,v
File: crc.ads               Status: Up-to-date
   Working revision:        1.2      Sat Nov 22 17:22:41 1997
   Repository revision:     1.2      /home/egse/CVS/icu/fm/basic/crc.ads,v
File: debug.adb             Status: Up-to-date
   Working revision:        1.3      Sat Nov 22 17:02:03 1997
   Repository revision:     1.3      /home/egse/CVS/icu/fm/basic/debug.adb,v
File: debug.ads             Status: Up-to-date
   Working revision:        1.8      Mon Mar 23 13:45:24 1998
   Repository revision:     1.8      /home/egse/CVS/icu/fm/basic/debug.ads,v
File: dempsu.adb            Status: Up-to-date
   Working revision:        1.5      Mon Mar 23 13:45:24 1998
   Repository revision:     1.5      /home/egse/CVS/icu/fm/basic/dempsu.adb,v
File: dempsu.ads            Status: Up-to-date
   Working revision:        1.3      Sat Nov 22 17:22:42 1997
   Repository revision:     1.3      /home/egse/CVS/icu/fm/basic/dempsu.ads,v
File: emboot.asm            Status: Up-to-date
   Working revision:        1.21     Wed Apr  1 10:54:38 1998
   Repository revision:     1.21     /home/egse/CVS/icu/fm/basic/emboot.asm,v
File: emsubs.asm            Status: Up-to-date
   Working revision:        1.6      Wed Apr  1 10:55:13 1998
   Repository revision:     1.6      /home/egse/CVS/icu/fm/basic/emsubs.asm,v
File: hk.adb                Status: Up-to-date
   Working revision:        1.24     Mon Mar 23 13:45:25 1998
   Repository revision:     1.24     /home/egse/CVS/icu/fm/basic/hk.adb,v
File: hk.ads                Status: Up-to-date
   Working revision:        1.2      Sat Nov 22 17:22:43 1997
   Repository revision:     1.2      /home/egse/CVS/icu/fm/basic/hk.ads,v
File: icb.adb               Status: Up-to-date
   Working revision:        1.6      Thu Mar  5 12:34:30 1998
   Repository revision:     1.6      /home/egse/CVS/icu/fm/basic/icb.adb,v
File: icb.ads               Status: Up-to-date
   Working revision:        1.2      Sat Nov 22 17:22:43 1997
   Repository revision:     1.2      /home/egse/CVS/icu/fm/basic/icb.ads,v
File: icb_driver.adb        Status: Up-to-date
   Working revision:        1.13     Tue Mar 10 10:56:58 1998
```

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   Repository revision:   1.13    /home/egse/CVS/icu/fm/basic/icb_driver.adb,v
File: icb_driver.ads      Status: Up-to-date
   Working revision:      1.2     Sat Nov 22 17:22:44 1997
   Repository revision:   1.2     /home/egse/CVS/icu/fm/basic/icb_driver.ads,v
File: icu.ada             Status: Locally Modified
   Working revision:      1.11    Tue Mar 10 10:56:59 1998
   Repository revision:   1.11    /home/egse/CVS/icu/fm/basic/icu.ada,v
File: icu_mem_manager.adb         Status: Up-to-date
   Working revision:      1.13    Mon Mar  9 12:46:08 1998
   Repository revision:   1.13    /home/egse/CVS/icu/fm/basic/icu_mem_manager.adb,v
File: icu_mem_manager.ads         Status: Up-to-date
   Working revision:      1.1     Sat Nov 22 16:45:51 1997
   Repository revision:   1.1     /home/egse/CVS/icu/fm/basic/icu_mem_manager.ads,v
File: importance.ads      Status: Up-to-date
   Working revision:      1.2     Sat Nov 22 17:22:45 1997
   Repository revision:   1.2     /home/egse/CVS/icu/fm/basic/importance.ads,v
File: mem_manager.adb     Status: Up-to-date
   Working revision:      1.8     Thu Mar  5 12:34:31 1998
   Repository revision:   1.8     /home/egse/CVS/icu/fm/basic/mem_manager.adb,v
File: mem_manager.ads     Status: Up-to-date
   Working revision:      1.1     Sat Nov 22 16:46:10 1997
   Repository revision:   1.1     /home/egse/CVS/icu/fm/basic/mem_manager.ads,v
File: memloc.ads          Status: Up-to-date
   Working revision:      1.14    Wed Feb 11 17:14:24 1998
   Repository revision:   1.14    /home/egse/CVS/icu/fm/basic/memloc.ads,v
File: modeman.adb         Status: Up-to-date
   Working revision:      1.10    Mon Mar 23 13:45:25 1998
   Repository revision:   1.10    /home/egse/CVS/icu/fm/basic/modeman.adb,v
File: modeman.ads         Status: Up-to-date
   Working revision:      1.4     Thu Feb 12 15:42:04 1998
   Repository revision:   1.4     /home/egse/CVS/icu/fm/basic/modeman.ads,v
File: mutex.adb           Status: Up-to-date
   Working revision:      1.5     Thu Mar  5 12:34:31 1998
   Repository revision:   1.5     /home/egse/CVS/icu/fm/basic/mutex.adb,v
File: mutex.ads           Status: Up-to-date
   Working revision:      1.4     Tue Dec  2 12:54:39 1997
   Repository revision:   1.4     /home/egse/CVS/icu/fm/basic/mutex.ads,v
File: nhk.adb             Status: Up-to-date
   Working revision:      1.6     Thu Mar  5 12:34:31 1998
   Repository revision:   1.6     /home/egse/CVS/icu/fm/basic/nhk.adb,v
File: nhk.ads             Status: Up-to-date
   Working revision:      1.3     Thu Mar  5 12:34:31 1998
   Repository revision:   1.3     /home/egse/CVS/icu/fm/basic/nhk.ads,v
File: packet.ads          Status: Up-to-date
   Working revision:      1.13    Thu Mar  5 11:56:42 1998
   Repository revision:   1.13    /home/egse/CVS/icu/fm/basic/packet.ads,v
File: peek_poke.ads       Status: Up-to-date
   Working revision:      1.2     Sat Nov 22 17:22:48 1997
   Repository revision:   1.2     /home/egse/CVS/icu/fm/basic/peek_poke.ads,v
File: peek_poke.asm       Status: Up-to-date
   Working revision:      1.1     Thu Oct 16 15:55:00 1997
   Repository revision:   1.1     /home/egse/CVS/icu/fm/basic/peek_poke.asm,v
File: rbi.adb             Status: Up-to-date
   Working revision:      1.11    Thu Mar  5 12:34:31 1998
   Repository revision:   1.11    /home/egse/CVS/icu/fm/basic/rbi.adb,v
File: rbi.ads             Status: Up-to-date
   Working revision:      1.5     Tue Dec  2 12:55:02 1997
   Repository revision:   1.5     /home/egse/CVS/icu/fm/basic/rbi.ads,v
File: rbi_ih.ads          Status: Up-to-date
   Working revision:      1.2     Sat Nov 22 17:22:49 1997
   Repository revision:   1.2     /home/egse/CVS/icu/fm/basic/rbi_ih.ads,v
File: rbi_ih.asm          Status: Up-to-date
   Working revision:      1.4     Wed Feb 11 17:14:24 1998
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Repository revision:	1.4	/home/egse/CVS/icu/fm/basic/rbi_ih.asm,v
File: reset.ads	Status: Up-to-date	
Working revision:	1.3	Thu Feb 12 15:42:04 1998
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/reset.ads,v
File: reset.asm	Status: Up-to-date	
Working revision:	1.5	Wed Apr 1 10:54:39 1998
Repository revision:	1.5	/home/egse/CVS/icu/fm/basic/reset.asm,v
File: ssi_driver.adb	Status: Up-to-date	
Working revision:	1.4	Thu Mar 5 11:57:04 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/basic/ssi_driver.adb,v
File: ssi_driver.ads	Status: Up-to-date	
Working revision:	1.3	Tue Nov 25 19:05:32 1997
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/ssi_driver.ads,v
File: ssi_ih.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:50 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/ssi_ih.ads,v
File: ssi_ih.asm	Status: Up-to-date	
Working revision:	1.1	Fri Nov 21 22:04:17 1997
Repository revision:	1.1	/home/egse/CVS/icu/fm/basic/ssi_ih.asm,v
File: task_report.adb	Status: Up-to-date	
Working revision:	1.6	Thu Mar 5 12:34:32 1998
Repository revision:	1.6	/home/egse/CVS/icu/fm/basic/task_report.adb,v
File: task_report.ads	Status: Up-to-date	
Working revision:	1.3	Thu Mar 5 12:34:32 1998
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/task_report.ads,v
File: taskman.adb	Status: Up-to-date	
Working revision:	1.11	Mon Mar 23 13:45:25 1998
Repository revision:	1.11	/home/egse/CVS/icu/fm/basic/taskman.adb,v
File: taskman.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:51 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/taskman.ads,v
File: tc_q.adb	Status: Up-to-date	
Working revision:	1.4	Sat Nov 22 17:22:51 1997
Repository revision:	1.4	/home/egse/CVS/icu/fm/basic/tc_q.adb,v
File: tc_q.ads	Status: Up-to-date	
Working revision:	1.3	Sat Nov 22 17:22:52 1997
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/tc_q.ads,v
File: tc_verify.adb	Status: Up-to-date	
Working revision:	1.5	Thu Mar 5 12:34:32 1998
Repository revision:	1.5	/home/egse/CVS/icu/fm/basic/tc_verify.adb,v
File: tc_verify.ads	Status: Up-to-date	
Working revision:	1.3	Thu Mar 5 12:34:32 1998
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/tc_verify.ads,v
File: tcq.adb	Status: Up-to-date	
Working revision:	1.8	Thu Mar 5 12:34:32 1998
Repository revision:	1.8	/home/egse/CVS/icu/fm/basic/tcq.adb,v
File: tcq.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:53 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/tcq.ads,v
File: time_man.adb	Status: Up-to-date	
Working revision:	1.11	Thu Mar 5 12:34:32 1998
Repository revision:	1.11	/home/egse/CVS/icu/fm/basic/time_man.adb,v
File: time_man.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:54 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/time_man.ads,v
File: tlink17.lcf	Status: Up-to-date	
Working revision:	1.6	Thu Feb 12 15:42:04 1998
Repository revision:	1.6	/home/egse/CVS/icu/fm/basic/tlink17.lcf,v
File: tm_man.adb	Status: Up-to-date	
Working revision:	1.14	Mon Mar 23 13:45:25 1998
Repository revision:	1.14	/home/egse/CVS/icu/fm/basic/tm_man.adb,v
File: tm_man.ads	Status: Up-to-date	
Working revision:	1.3	Sat Nov 22 17:22:54 1997

Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/tm_man.ads,v
File: tm_q.adb	Status: Up-to-date	
Working revision:	1.4	Sat Nov 22 17:22:55 1997
Repository revision:	1.4	/home/egse/CVS/icu/fm/basic/tm_q.adb,v
File: tm_q.ads	Status: Up-to-date	
Working revision:	1.3	Sat Nov 22 17:22:55 1997
Repository revision:	1.3	/home/egse/CVS/icu/fm/basic/tm_q.ads,v
File: tmpsu.adb	Status: Up-to-date	
Working revision:	1.6	Wed Feb 11 17:50:51 1998
Repository revision:	1.6	/home/egse/CVS/icu/fm/basic/tmpsu.adb,v
File: tmpsu.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:56 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/tmpsu.ads,v
File: tmq.adb	Status: Up-to-date	
Working revision:	1.8	Thu Mar 5 12:34:33 1998
Repository revision:	1.8	/home/egse/CVS/icu/fm/basic/tmq.adb,v
File: tmq.ads	Status: Up-to-date	
Working revision:	1.4	Thu Mar 5 12:34:33 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/basic/tmq.ads,v
File: types.ads	Status: Up-to-date	
Working revision:	1.2	Sat Nov 22 17:22:56 1997
Repository revision:	1.2	/home/egse/CVS/icu/fm/basic/types.ads,v

4. OPERATIONAL MODE ADA CODE

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CVS repository: MSSL
CVS module: icu/fm/oper
CVS tag: release8

File: INTVEC.asm            Status: Up-to-date
   Working revision:        1.1     Thu Oct 16 15:55:32 1997
   Repository revision:     1.1     /home/egse/CVS/icu/fm/oper/INTVEC.asm,v
File: Makefile              Status: Up-to-date
   Working revision:        1.20    Fri Mar 12 10:47:35 1999
   Repository revision:     1.20    /home/egse/CVS/icu/fm/oper/Makefile,v
File: USERDEFS.asm          Status: Up-to-date
   Working revision:        1.3     Wed Apr  1 11:08:34 1998
   Repository revision:     1.3     /home/egse/CVS/icu/fm/oper/USERDEFS.asm,v
File: adamakecleanup        Status: Up-to-date
   Working revision:        1.5     Thu Apr 23 09:01:28 1998
   Repository revision:     1.5     /home/egse/CVS/icu/fm/oper/adamakecleanup,v
File: adamakedepend         Status: Up-to-date
   Working revision:        1.3     Wed Feb 24 14:52:43 1999
   Repository revision:     1.3     /home/egse/CVS/icu/fm/oper/adamakedepend,v
File: bcp4_ih.ads           Status: Up-to-date
   Working revision:        1.3     Fri Oct 30 17:27:11 1998
   Repository revision:     1.3     /home/egse/CVS/icu/fm/oper/bcp4_ih.ads,v
File: bcp4_ih.asm           Status: Up-to-date
   Working revision:        1.5     Mon Oct 26 13:55:31 1998
   Repository revision:     1.5     /home/egse/CVS/icu/fm/oper/bcp4_ih.asm,v
File: crc.adb               Status: Up-to-date
   Working revision:        1.3     Mon Oct 26 14:13:38 1998
   Repository revision:     1.3     /home/egse/CVS/icu/fm/oper/crc.adb,v
File: crc.ads               Status: Up-to-date
   Working revision:        1.2     Mon Oct 26 14:13:38 1998
   Repository revision:     1.2     /home/egse/CVS/icu/fm/oper/crc.ads,v
File: debug.adb             Status: Up-to-date
   Working revision:        1.7     Fri Oct 30 17:27:12 1998
   Repository revision:     1.7     /home/egse/CVS/icu/fm/oper/debug.adb,v
File: debug.ads             Status: Up-to-date
   Working revision:        1.13    Fri Oct 30 17:27:12 1998
   Repository revision:     1.13    /home/egse/CVS/icu/fm/oper/debug.ads,v
File: dempsu.adb            Status: Up-to-date
   Working revision:        1.5     Mon Oct 26 14:13:39 1998
   Repository revision:     1.5     /home/egse/CVS/icu/fm/oper/dempsu.adb,v
File: dempsu.ads            Status: Up-to-date
   Working revision:        1.3     Mon Oct 26 14:13:39 1998
   Repository revision:     1.3     /home/egse/CVS/icu/fm/oper/dempsu.ads,v
File: detanalog.adb         Status: Up-to-date
   Working revision:        1.23    Wed Feb 24 15:06:29 1999
   Repository revision:     1.23    /home/egse/CVS/icu/fm/oper/detanalog.adb,v
File: detanalog.ads         Status: Up-to-date
   Working revision:        1.8     Wed Feb 24 15:06:29 1999
   Repository revision:     1.8     /home/egse/CVS/icu/fm/oper/detanalog.ads,v
File: detdigital.adb        Status: Up-to-date
   Working revision:        1.21    Thu Mar 25 17:32:08 1999
   Repository revision:     1.21    /home/egse/CVS/icu/fm/oper/detdigital.adb,v
File: detdigital.ads        Status: Up-to-date
   Working revision:        1.4     Mon Oct 26 14:13:40 1998
   Repository revision:     1.4     /home/egse/CVS/icu/fm/oper/detdigital.ads,v
File: detector.ads          Status: Up-to-date
   Working revision:        1.9     Mon Oct 26 14:13:40 1998
   Repository revision:     1.9     /home/egse/CVS/icu/fm/oper/detector.ads,v
File: dpu.adb               Status: Up-to-date
   Working revision:        1.32    Thu Mar 18 15:31:28 1999
```

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  Repository revision:   1.32   /home/egse/CVS/icu/fm/oper/dpu.adb,v
File: dpu.ads               Status: Up-to-date
  Working revision:      1.11   Wed Dec 16 11:29:00 1998
  Repository revision:   1.11   /home/egse/CVS/icu/fm/oper/dpu.ads,v
File: dpu_mem_manager.adb          Status: Up-to-date
  Working revision:      1.19   Mon Mar  8 16:21:05 1999
  Repository revision:   1.19   /home/egse/CVS/icu/fm/oper/dpu_mem_manager.adb,v
File: dpu_mem_manager.ads          Status: Up-to-date
  Working revision:      1.4    Fri Oct 30 17:27:12 1998
  Repository revision:   1.4    /home/egse/CVS/icu/fm/oper/dpu_mem_manager.ads,v
File: dpu_mnemo.ads         Status: Up-to-date
  Working revision:      1.8    Thu Feb 25 10:08:09 1999
  Repository revision:   1.8    /home/egse/CVS/icu/fm/oper/dpu_mnemo.ads,v
File: heater.adb            Status: Up-to-date
  Working revision:      1.11   Fri Oct 30 17:04:01 1998
  Repository revision:   1.11   /home/egse/CVS/icu/fm/oper/heater.adb,v
File: heater.ads            Status: Up-to-date
  Working revision:      1.3    Mon Oct 26 14:13:42 1998
  Repository revision:   1.3    /home/egse/CVS/icu/fm/oper/heater.ads,v
File: hk.adb                Status: Up-to-date
  Working revision:      1.23   Wed Feb 24 15:09:29 1999
  Repository revision:   1.23   /home/egse/CVS/icu/fm/oper/hk.adb,v
File: hk.ads                Status: Up-to-date
  Working revision:      1.4    Mon Oct 26 14:13:42 1998
  Repository revision:   1.4    /home/egse/CVS/icu/fm/oper/hk.ads,v
File: icb.adb               Status: Up-to-date
  Working revision:      1.12   Wed Feb 24 15:13:36 1999
  Repository revision:   1.12   /home/egse/CVS/icu/fm/oper/icb.adb,v
File: icb.ads               Status: Up-to-date
  Working revision:      1.6    Mon Mar  8 17:01:09 1999
  Repository revision:   1.6    /home/egse/CVS/icu/fm/oper/icb.ads,v
File: icb_driver.adb        Status: Up-to-date
  Working revision:      1.8    Wed Feb 24 15:18:05 1999
  Repository revision:   1.8    /home/egse/CVS/icu/fm/oper/icb_driver.adb,v
File: icb_driver.ads        Status: Up-to-date
  Working revision:      1.3    Wed Feb 24 15:18:05 1999
  Repository revision:   1.3    /home/egse/CVS/icu/fm/oper/icb_driver.ads,v
File: icu.ada               Status: Up-to-date
  Working revision:      1.13   Wed Feb 24 14:57:25 1999
  Repository revision:   1.13   /home/egse/CVS/icu/fm/oper/icu.ada,v
File: icu_mem_manager.adb          Status: Up-to-date
  Working revision:      1.14   Wed Feb 24 14:34:29 1999
  Repository revision:   1.14   /home/egse/CVS/icu/fm/oper/icu_mem_manager.adb,v
File: icu_mem_manager.ads          Status: Up-to-date
  Working revision:      1.3    Fri Oct 30 17:27:12 1998
  Repository revision:   1.3    /home/egse/CVS/icu/fm/oper/icu_mem_manager.ads,v
File: importance.ads        Status: Up-to-date
  Working revision:      1.8    Mon Mar  8 16:21:06 1999
  Repository revision:   1.8    /home/egse/CVS/icu/fm/oper/importance.ads,v
File: mechanism.adb         Status: Up-to-date
  Working revision:      1.22   Mon Mar  8 16:21:06 1999
  Repository revision:   1.22   /home/egse/CVS/icu/fm/oper/mechanism.adb,v
File: mechanism.ads         Status: Up-to-date
  Working revision:      1.8    Wed Feb 24 15:30:08 1999
  Repository revision:   1.8    /home/egse/CVS/icu/fm/oper/mechanism.ads,v
File: mem_manager.adb       Status: Up-to-date
  Working revision:      1.9    Wed Feb 24 14:34:30 1999
  Repository revision:   1.9    /home/egse/CVS/icu/fm/oper/mem_manager.adb,v
File: mem_manager.ads       Status: Up-to-date
  Working revision:      1.3    Fri Oct 30 17:27:12 1998
  Repository revision:   1.3    /home/egse/CVS/icu/fm/oper/mem_manager.ads,v
File: memdpu.adb            Status: Up-to-date
  Working revision:      1.10   Mon Mar  8 16:21:06 1999
```

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  Repository revision:  1.10   /home/egse/CVS/icu/fm/oper/memdpu.adb,v
File: memdpu.ads        Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 14:13:46 1998
  Repository revision:  1.2    /home/egse/CVS/icu/fm/oper/memdpu.ads,v
File: memloc.ads        Status: Up-to-date
  Working revision:     1.15   Wed Feb 24 15:00:19 1999
  Repository revision:  1.15   /home/egse/CVS/icu/fm/oper/memloc.ads,v
File: modeman.adb       Status: Up-to-date
  Working revision:     1.9    Mon Mar  8 16:21:06 1999
  Repository revision:  1.9    /home/egse/CVS/icu/fm/oper/modeman.adb,v
File: modeman.ads       Status: Up-to-date
  Working revision:     1.6    Mon Oct 26 13:55:34 1998
  Repository revision:  1.6    /home/egse/CVS/icu/fm/oper/modeman.ads,v
File: mutex.adb         Status: Up-to-date
  Working revision:     1.12   Tue Nov 24 11:18:47 1998
  Repository revision:  1.12   /home/egse/CVS/icu/fm/oper/mutex.adb,v
File: mutex.ads         Status: Up-to-date
  Working revision:     1.5    Mon Oct 26 14:13:46 1998
  Repository revision:  1.5    /home/egse/CVS/icu/fm/oper/mutex.ads,v
File: nhk.adb           Status: Up-to-date
  Working revision:     1.7    Mon Oct 26 14:13:47 1998
  Repository revision:  1.7    /home/egse/CVS/icu/fm/oper/nhk.adb,v
File: nhk.ads           Status: Up-to-date
  Working revision:     1.3    Mon Oct 26 14:13:47 1998
  Repository revision:  1.3    /home/egse/CVS/icu/fm/oper/nhk.ads,v
File: packet.ads        Status: Up-to-date
  Working revision:     1.19   Thu Feb 25 09:59:59 1999
  Repository revision:  1.19   /home/egse/CVS/icu/fm/oper/packet.ads,v
File: peek_poke.ads     Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 13:55:34 1998
  Repository revision:  1.2    /home/egse/CVS/icu/fm/oper/peek_poke.ads,v
File: peek_poke.asm     Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 13:55:34 1998
  Repository revision:  1.2    /home/egse/CVS/icu/fm/oper/peek_poke.asm,v
File: rbi.adb           Status: Up-to-date
  Working revision:     1.14   Thu Dec 17 13:05:42 1998
  Repository revision:  1.14   /home/egse/CVS/icu/fm/oper/rbi.adb,v
File: rbi.ads           Status: Up-to-date
  Working revision:     1.4    Mon Oct 26 14:13:48 1998
  Repository revision:  1.4    /home/egse/CVS/icu/fm/oper/rbi.ads,v
File: rbi_ih.ads        Status: Up-to-date
  Working revision:     1.1    Mon Mar 23 17:19:27 1998
  Repository revision:  1.1    /home/egse/CVS/icu/fm/oper/rbi_ih.ads,v
File: rbi_ih.asm        Status: Up-to-date
  Working revision:     1.6    Fri Oct 30 17:27:12 1998
  Repository revision:  1.6    /home/egse/CVS/icu/fm/oper/rbi_ih.asm,v
File: reset.ads         Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 13:55:35 1998
  Repository revision:  1.2    /home/egse/CVS/icu/fm/oper/reset.ads,v
File: reset.asm         Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 13:55:35 1998
  Repository revision:  1.2    /home/egse/CVS/icu/fm/oper/reset.asm,v
File: safing.adb        Status: Up-to-date
  Working revision:     1.5    Mon Oct 26 13:55:35 1998
  Repository revision:  1.5    /home/egse/CVS/icu/fm/oper/safing.adb,v
File: safing.ads        Status: Up-to-date
  Working revision:     1.3    Mon Oct 26 13:55:35 1998
  Repository revision:  1.3    /home/egse/CVS/icu/fm/oper/safing.ads,v
File: science_fm.adb    Status: Up-to-date
  Working revision:     1.3    Mon Oct 26 14:13:49 1998
  Repository revision:  1.3    /home/egse/CVS/icu/fm/oper/science_fm.adb,v
File: science_fm.ads    Status: Up-to-date
  Working revision:     1.2    Mon Oct 26 14:13:49 1998
```

Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/science_fm.ads,v
File: ssi_driver.adb	Status: Up-to-date	
Working revision:	1.17	Wed Feb 24 14:34:30 1999
Repository revision:	1.17	/home/egse/CVS/icu/fm/oper/ssi_driver.adb,v
File: ssi_driver.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 13:55:35 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/ssi_driver.ads,v
File: ssi_ih.ads	Status: Up-to-date	
Working revision:	1.1	Mon Mar 23 17:19:27 1998
Repository revision:	1.1	/home/egse/CVS/icu/fm/oper/ssi_ih.ads,v
File: ssi_ih.asm	Status: Up-to-date	
Working revision:	1.3	Mon Nov 24 15:12:57 1997
Repository revision:	1.3	/home/egse/CVS/icu/fm/oper/ssi_ih.asm,v
File: ssi_in.adb	Status: Up-to-date	
Working revision:	1.10	Wed Feb 24 14:34:30 1999
Repository revision:	1.10	/home/egse/CVS/icu/fm/oper/ssi_in.adb,v
File: ssi_in.ads	Status: Up-to-date	
Working revision:	1.2	Mon Oct 26 14:13:50 1998
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/ssi_in.ads,v
File: ssi_out.adb	Status: Up-to-date	
Working revision:	1.10	Wed Feb 24 14:34:30 1999
Repository revision:	1.10	/home/egse/CVS/icu/fm/oper/ssi_out.adb,v
File: ssi_out.ads	Status: Up-to-date	
Working revision:	1.2	Fri May 1 12:30:57 1998
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/ssi_out.ads,v
File: task_report.adb	Status: Up-to-date	
Working revision:	1.8	Mon Oct 26 14:13:50 1998
Repository revision:	1.8	/home/egse/CVS/icu/fm/oper/task_report.adb,v
File: task_report.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 14:13:50 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/task_report.ads,v
File: taskman.adb	Status: Up-to-date	
Working revision:	1.23	Wed Dec 16 11:19:09 1998
Repository revision:	1.23	/home/egse/CVS/icu/fm/oper/taskman.adb,v
File: taskman.ads	Status: Up-to-date	
Working revision:	1.2	Mon Oct 26 14:13:51 1998
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/taskman.ads,v
File: tc_q.adb	Status: Up-to-date	
Working revision:	1.6	Mon Oct 26 14:13:51 1998
Repository revision:	1.6	/home/egse/CVS/icu/fm/oper/tc_q.adb,v
File: tc_q.ads	Status: Up-to-date	
Working revision:	1.6	Mon Oct 26 14:13:51 1998
Repository revision:	1.6	/home/egse/CVS/icu/fm/oper/tc_q.ads,v
File: tc_verify.adb	Status: Up-to-date	
Working revision:	1.8	Mon Oct 26 14:13:51 1998
Repository revision:	1.8	/home/egse/CVS/icu/fm/oper/tc_verify.adb,v
File: tc_verify.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 14:13:52 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/tc_verify.ads,v
File: tcq.adb	Status: Up-to-date	
Working revision:	1.9	Wed Feb 24 15:02:02 1999
Repository revision:	1.9	/home/egse/CVS/icu/fm/oper/tcq.adb,v
File: tcq.ads	Status: Up-to-date	
Working revision:	1.2	Mon Oct 26 14:13:52 1998
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/tcq.ads,v
File: time_man.adb	Status: Up-to-date	
Working revision:	1.16	Mon Oct 26 14:13:53 1998
Repository revision:	1.16	/home/egse/CVS/icu/fm/oper/time_man.adb,v
File: time_man.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 14:13:53 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/time_man.ads,v
File: timer_a_ih.adb	Status: Up-to-date	
Working revision:	1.2	Thu Feb 25 14:39:08 1999

Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/timer_a_ih.adb,v
File: timer_a_ih.ads	Status: Up-to-date	
Working revision:	1.2	Thu Feb 25 14:36:52 1999
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/timer_a_ih.ads,v
File: tlink17.lcf	Status: Up-to-date	
Working revision:	1.8	Wed Feb 24 14:59:04 1999
Repository revision:	1.8	/home/egse/CVS/icu/fm/oper/tlink17.lcf,v
File: tm_man.adb	Status: Up-to-date	
Working revision:	1.14	Thu Feb 25 09:59:59 1999
Repository revision:	1.14	/home/egse/CVS/icu/fm/oper/tm_man.adb,v
File: tm_man.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 13:55:37 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/tm_man.ads,v
File: tm_q.adb	Status: Up-to-date	
Working revision:	1.10	Mon Oct 26 14:13:53 1998
Repository revision:	1.10	/home/egse/CVS/icu/fm/oper/tm_q.adb,v
File: tm_q.ads	Status: Up-to-date	
Working revision:	1.4	Mon Oct 26 14:13:54 1998
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/tm_q.ads,v
File: tmpsu.adb	Status: Up-to-date	
Working revision:	1.12	Wed Feb 24 15:16:00 1999
Repository revision:	1.12	/home/egse/CVS/icu/fm/oper/tmpsu.adb,v
File: tmpsu.ads	Status: Up-to-date	
Working revision:	1.4	Wed Feb 24 15:16:01 1999
Repository revision:	1.4	/home/egse/CVS/icu/fm/oper/tmpsu.ads,v
File: tmq.adb	Status: Up-to-date	
Working revision:	1.14	Mon Mar 8 16:21:06 1999
Repository revision:	1.14	/home/egse/CVS/icu/fm/oper/tmq.adb,v
File: tmq.ads	Status: Up-to-date	
Working revision:	1.7	Wed Dec 16 11:15:11 1998
Repository revision:	1.7	/home/egse/CVS/icu/fm/oper/tmq.ads,v
File: types.ads	Status: Up-to-date	
Working revision:	1.2	Mon Oct 26 14:13:55 1998
Repository revision:	1.2	/home/egse/CVS/icu/fm/oper/types.ads,v

5. DPU CODE

CVS repository: UCSB
CVS modules: white, blue, red, include, dpu/util
CVS tag: release8

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File: README              Status: Up-to-date
   Working revision:      1.1      Mon Mar  6 18:54:59 1995
   Repository revision:   1.1      /home/xmmom/cvs/master/white/README,v
File: white.asm           Status: Up-to-date
   Working revision:      1.27     Wed Dec  9 21:54:06 1998
   Repository revision:   1.27     /home/xmmom/cvs/master/white/src/asm/white.asm,v
File: cwhite.c            Status: Up-to-date
   Working revision:      1.43     Thu Mar 25 21:56:59 1999
   Repository revision:   1.43     /home/xmmom/cvs/master/white/src/cc/cwhite.c,v
File: shared_io_functions.c        Status: Up-to-date
   Working revision:      1.25     Thu Mar 25 21:56:59 1999
   Repository revision:   1.25     /home/xmmom/cvs/master/white/src/cc/shared_io_functions.c,v
File: shared_variables.c  Status: Up-to-date
   Working revision:      1.19     Thu Mar 25 21:56:59 1999
   Repository revision:   1.19     /home/xmmom/cvs/master/white/src/cc/shared_variables.c,v
File: su_calbgd.c         Status: Up-to-date
   Working revision:      1.25     Thu Mar 25 21:57:00 1999
   Repository revision:   1.25     /home/xmmom/cvs/master/white/src/cc/su_calbgd.c,v
File: su_caldrft.c        Status: Up-to-date
   Working revision:      1.25     Thu Mar 25 21:57:00 1999
   Repository revision:   1.25     /home/xmmom/cvs/master/white/src/cc/su_caldrft.c,v
File: su_compress.c       Status: Up-to-date
   Working revision:      1.11     Thu Jul  9 17:30:28 1998
   Repository revision:   1.11     /home/xmmom/cvs/master/white/src/cc/su_compress.c,v
File: su_deliverdata.c    Status: Up-to-date
   Working revision:      1.40     Thu Mar 25 21:57:00 1999
   Repository revision:   1.40     /home/xmmom/cvs/master/white/src/cc/su_deliverdata.c,v
File: su_dowindow.c       Status: Up-to-date
   Working revision:      1.32     Thu Mar 25 21:57:01 1999
   Repository revision:   1.32     /home/xmmom/cvs/master/white/src/cc/su_dowindow.c,v
File: su_dpuabort.c       Status: Up-to-date
   Working revision:      1.10     Sat Aug  3 13:47:46 1996
   Repository revision:   1.10     /home/xmmom/cvs/master/white/src/cc/su_dpuabort.c,v
File: su_engineering.c    Status: Up-to-date
   Working revision:      1.11     Thu Mar 25 21:57:01 1999
   Repository revision:   1.11     /home/xmmom/cvs/master/white/src/cc/su_engineering.c,v
File: su_getref.c         Status: Up-to-date
   Working revision:      1.21     Thu Mar 25 21:57:01 1999
   Repository revision:   1.21     /home/xmmom/cvs/master/white/src/cc/su_getref.c,v
File: su_init_exp.c       Status: Up-to-date
   Working revision:      1.10     Thu Nov 12 07:03:14 1998
   Repository revision:   1.10     /home/xmmom/cvs/master/white/src/cc/su_init_exp.c,v
File: su_initialize.c     Status: Up-to-date
   Working revision:      1.38     Thu Mar 25 21:57:02 1999
   Repository revision:   1.38     /home/xmmom/cvs/master/white/src/cc/su_initialize.c,v
File: su_locategs.c       Status: Up-to-date
   Working revision:      1.24     Wed Dec  9 18:15:59 1998
   Repository revision:   1.24     /home/xmmom/cvs/master/white/src/cc/su_locategs.c,v
File: su_makeags_id.c     Status: Up-to-date
   Working revision:      1.17     Tue Sep  9 15:19:41 1997
   Repository revision:   1.17     /home/xmmom/cvs/master/white/src/cc/su_makeags_id.c,v
File: su_restore_stars.c  Status: Up-to-date
   Working revision:      1.23     Thu Mar 25 21:57:02 1999
   Repository revision:   1.23     /home/xmmom/cvs/master/white/src/cc/su_restore_stars.c,v
File: su_rtrd.c           Status: Up-to-date
   Working revision:      1.4      Thu Mar 25 21:57:02 1999
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  Repository revision:   1.4    /home/xmmom/cvs/master/white/src/cc/su_rtrd.c,v
File: su_scanbs.c        Status: Up-to-date
  Working revision:      1.29   Thu Mar 25 21:57:02 1999
  Repository revision:   1.29   /home/xmmom/cvs/master/white/src/cc/su_scanbs.c,v
File: su_scangs.c        Status: Up-to-date
  Working revision:      1.25   Thu Nov 12 07:03:25 1998
  Repository revision:   1.25   /home/xmmom/cvs/master/white/src/cc/su_scangs.c,v
File: su_submit_cmprss_q.c      Status: Up-to-date
  Working revision:      1.4    Thu May 28 04:41:50 1998
  Repository revision:   1.4    /home/xmmom/cvs/master/white/src/cc/su_submit_cmprss_q.c,v
File: sun_util.c         Status: Up-to-date
  Working revision:      1.28   Thu Mar 25 21:57:03 1999
  Repository revision:   1.28   /home/xmmom/cvs/master/white/src/cc/sun_util.c,v
File: whitedsp.c         Status: Up-to-date
  Working revision:      1.61   Thu Mar 25 21:57:03 1999
  Repository revision:   1.61   /home/xmmom/cvs/master/white/src/cc/whitedsp.c,v
File: white_crt056y.asm  Status: Up-to-date
  Working revision:      1.1    Mon Dec  5 19:43:41 1994
  Repository revision:   1.1    /home/xmmom/cvs/master/white/src/crt/white_crt056y.asm,v
File: red.asm            Status: Up-to-date
  Working revision:      1.18   Thu Mar 25 21:56:53 1999
  Repository revision:   1.18   /home/xmmom/cvs/master/red/src/asm/red.asm,v
File: README             Status: Up-to-date
  Working revision:      1.2    Mon Mar  6 18:55:44 1995
  Repository revision:   1.2    /home/xmmom/cvs/master/red/src/cc/README,v
File: cred.c             Status: Up-to-date
  Working revision:      1.11   Thu Mar 25 21:56:53 1999
  Repository revision:   1.11   /home/xmmom/cvs/master/red/src/cc/cred.c,v
File: reddsp.c           Status: Up-to-date
  Working revision:      1.25   Thu Mar 25 21:56:54 1999
  Repository revision:   1.25   /home/xmmom/cvs/master/red/src/cc/reddsp.c,v
File: sun_hopper.c       Status: Up-to-date
  Working revision:      1.2    Thu Jan 11 21:06:35 1996
  Repository revision:   1.2    /home/xmmom/cvs/master/red/src/cc/sun_hopper.c,v
File: red_crt056y.asm    Status: Up-to-date
  Working revision:      1.2    Mon Dec  5 20:08:37 1994
  Repository revision:   1.2    /home/xmmom/cvs/master/red/src/crt/red_crt056y.asm,v
File: blue.asm           Status: Up-to-date
  Working revision:      1.30   Thu Mar 25 21:57:05 1999
  Repository revision:   1.30   /home/xmmom/cvs/master/blue/src/blue.asm,v
File: asm_headers        Status: Up-to-date
  Working revision:      1.2    Fri Feb 20 23:33:17 1998
  Repository revision:   1.2    /home/xmmom/cvs/master/dpu/util/bin/asm_headers,v
File: csh0_headers       Status: Up-to-date
  Working revision:      1.1    Tue Sep  9 16:51:04 1997
  Repository revision:   1.1    /home/xmmom/cvs/master/dpu/util/bin/csh0_headers,v
File: csh_headers        Status: Up-to-date
  Working revision:      1.1    Tue Sep  9 16:51:04 1997
  Repository revision:   1.1    /home/xmmom/cvs/master/dpu/util/bin/csh_headers,v
File: get_base           Status: Up-to-date
  Working revision:      1.3    Wed Sep 16 21:44:53 1998
  Repository revision:   1.3    /home/xmmom/cvs/master/dpu/util/bin/get_base,v
File: get_psize          Status: Up-to-date
  Working revision:      1.1    Tue Sep  9 16:42:53 1997
  Repository revision:   1.1    /home/xmmom/cvs/master/dpu/util/bin/get_psize,v
File: make_loader_lut    Status: Up-to-date
  Working revision:      1.2    Fri Feb 20 23:33:18 1998
  Repository revision:   1.2    /home/xmmom/cvs/master/dpu/util/bin/make_loader_lut,v
File: makebdsp           Status: Up-to-date
  Working revision:      1.4    Mon Jul 13 00:26:00 1998
  Repository revision:   1.4    /home/xmmom/cvs/master/dpu/util/bin/makebdsp,v
File: makebootrom        Status: Up-to-date
  Working revision:      1.2    Fri Feb 20 23:33:19 1998
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Repository revision:	1.2	/home/xmmom/cvs/master/dpu/util/bin/makebootrom,v
File: makedsp	Status: Up-to-date	
Working revision:	1.7	Tue Oct 27 16:01:08 1998
Repository revision:	1.7	/home/xmmom/cvs/master/dpu/util/bin/makedsp,v
File: makerdsp	Status: Up-to-date	
Working revision:	1.5	Mon Jul 13 00:26:02 1998
Repository revision:	1.5	/home/xmmom/cvs/master/dpu/util/bin/makerdsp,v
File: makewdsp	Status: Up-to-date	
Working revision:	1.4	Mon Jul 13 00:26:02 1998
Repository revision:	1.4	/home/xmmom/cvs/master/dpu/util/bin/makewdsp,v
File: recover_cmd	Status: Up-to-date	
Working revision:	1.1	Tue Sep 9 16:32:00 1997
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/bin/recover_cmd,v
File: strip_cmd	Status: Up-to-date	
Working revision:	1.1	Tue Sep 9 16:32:00 1997
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/bin/strip_cmd,v
File: vsw_headers	Status: Up-to-date	
Working revision:	1.1	Tue Sep 9 16:51:05 1997
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/bin/vsw_headers,v
File: Makefile_asm_headers		Status: Up-to-date
Working revision:	1.3	Sat Sep 19 09:06:35 1998
Repository revision:	1.3	/home/xmmom/cvs/master/dpu/util/src/Makefile_asm_headers,v
File: Makefile_blue	Status: Up-to-date	
Working revision:	1.8	Wed Dec 9 23:07:24 1998
Repository revision:	1.8	/home/xmmom/cvs/master/dpu/util/src/Makefile_blue,v
File: Makefile_red	Status: Up-to-date	
Working revision:	1.2	Thu Jul 9 17:36:08 1998
Repository revision:	1.2	/home/xmmom/cvs/master/dpu/util/src/Makefile_red,v
File: Makefile_red_bios	Status: Up-to-date	
Working revision:	1.5	Sat Sep 19 10:21:52 1998
Repository revision:	1.5	/home/xmmom/cvs/master/dpu/util/src/Makefile_red_bios,v
File: Makefile_red_cmd	Status: Up-to-date	
Working revision:	1.12	Tue Oct 27 15:57:01 1998
Repository revision:	1.12	/home/xmmom/cvs/master/dpu/util/src/Makefile_red_cmd,v
File: Makefile_red_su	Status: Up-to-date	
Working revision:	1.4	Wed Dec 9 23:07:25 1998
Repository revision:	1.4	/home/xmmom/cvs/master/dpu/util/src/Makefile_red_su,v
File: Makefile_srec	Status: Up-to-date	
Working revision:	1.8	Wed Dec 9 23:07:25 1998
Repository revision:	1.8	/home/xmmom/cvs/master/dpu/util/src/Makefile_srec,v
File: Makefile_total_size	Status: Up-to-date	
Working revision:	1.1	Wed Sep 13 20:11:40 1995
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/Makefile_total_size,v
File: Makefile_white	Status: Up-to-date	
Working revision:	1.3	Thu Jul 9 17:36:09 1998
Repository revision:	1.3	/home/xmmom/cvs/master/dpu/util/src/Makefile_white,v
File: Makefile_white_bios	Status: Up-to-date	
Working revision:	1.4	Thu Jun 13 17:15:26 1996
Repository revision:	1.4	/home/xmmom/cvs/master/dpu/util/src/Makefile_white_bios,v
File: Makefile_white_boot	Status: Up-to-date	
Working revision:	1.3	Wed Mar 20 19:20:18 1996
Repository revision:	1.3	/home/xmmom/cvs/master/dpu/util/src/Makefile_white_boot,v
File: Makefile_white_cmd	Status: Up-to-date	
Working revision:	1.13	Tue Oct 27 15:57:47 1998
Repository revision:	1.13	/home/xmmom/cvs/master/dpu/util/src/Makefile_white_cmd,v
File: Makefile_white_su	Status: Up-to-date	
Working revision:	1.8	Tue Sep 9 17:01:17 1997
Repository revision:	1.8	/home/xmmom/cvs/master/dpu/util/src/Makefile_white_su,v
File: loader.lut.template	Status: Up-to-date	
Working revision:	1.1	Sun Mar 22 23:02:36 1998
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/loader.lut.template,v
File: loader.lut.w	Status: Up-to-date	
Working revision:	1.1	Sun Mar 22 23:02:37 1998

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  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/loader.lut.w,v
File: red_link_loc.ctl    Status: Up-to-date
  Working revision:       1.3     Mon May 13 22:41:26 1996
  Repository revision:    1.3     /home/xmmom/cvs/master/dpu/util/src/red_link_loc.ctl,v
File: srec.doc            Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:51:46 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/srec.doc,v
File: white_link_loc.ctl  Status: Up-to-date
  Working revision:       1.1     Sun Dec  4 20:11:42 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/white_link_loc.ctl,v
File: blue_split.c        Status: Up-to-date
  Working revision:       1.2     Sat Feb 19 00:14:41 1994
  Repository revision:    1.2     /home/xmmom/cvs/master/dpu/util/src/cc/blue_split.c,v
File: boot_split.c        Status: Up-to-date
  Working revision:       1.1     Mon May 13 19:51:33 1996
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/boot_split.c,v
File: cal_checksum.c      Status: Up-to-date
  Working revision:       1.1     Tue Mar 31 19:37:32 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/cal_checksum.c,v
File: change_bit.c        Status: Up-to-date
  Working revision:       1.1     Sat Sep 19 10:20:34 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/change_bit.c,v
File: cmnder.c            Status: Up-to-date
  Working revision:       1.4     Fri May 10 22:34:57 1996
  Repository revision:    1.4     /home/xmmom/cvs/master/dpu/util/src/cc/cmnder.c,v
File: create_loader_lut.c Status: Up-to-date
  Working revision:       1.7     Thu Jul  9 17:36:55 1998
  Repository revision:    1.7     /home/xmmom/cvs/master/dpu/util/src/cc/create_loader_lut.c,v
File: sizetest.c          Status: Up-to-date
  Working revision:       1.1     Sun Dec  4 20:13:24 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/sizetest.c,v
File: srec.c      Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:52:30 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/srec.c,v
File: strip_lod.wo_fec    Status: Up-to-date
  Working revision:       1.3     Thu May 28 20:04:44 1998
  Repository revision:    1.3     /home/xmmom/cvs/master/dpu/util/src/cc/strip_lod.wo_fec,v
File: strip_lod_wfec.c    Status: Up-to-date
  Working revision:       1.1     Fri Feb 20 23:33:47 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/strip_lod_wfec.c,v
File: strip_lod_wofec.c   Status: Up-to-date
  Working revision:       1.1     Fri Feb 20 23:33:48 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/cc/strip_lod_wofec.c,v
File: aouthdr.h           Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:53:06 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/aouthdr.h,v
File: coreaddr.h          Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:53:07 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/coreaddr.h,v
File: dspext.h            Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:53:08 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/dspext.h,v
File: fect.h      Status: Up-to-date
  Working revision:       1.1     Sun Mar 22 23:09:39 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/fect.h,v
File: filehdr.h           Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:53:08 1994
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/filehdr.h,v
File: forErrorCorrTable.h Status: Up-to-date
  Working revision:       1.1     Sun Mar 22 23:09:40 1998
  Repository revision:    1.1     /home/xmmom/cvs/master/dpu/util/src/include/forErrorCorrTable.h,v
File: linenum.h           Status: Up-to-date
  Working revision:       1.1     Tue Jan  4 16:53:09 1994
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Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/linenum.h,v
File: maout.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:10 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/maout.h,v
File: reloc.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:11 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/reloc.h,v
File: scnhdr.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:12 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/scnhdr.h,v
File: srec.h	Status: Up-to-date	
Working revision:	1.2	Tue Sep 9 15:25:45 1997
Repository revision:	1.2	/home/xmmom/cvs/master/dpu/util/src/include/srec.h,v
File: storclas.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:14 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/storclas.h,v
File: storcls.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:15 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/storcls.h,v
File: syms.h	Status: Up-to-date	
Working revision:	1.1	Tue Jan 4 16:53:16 1994
Repository revision:	1.1	/home/xmmom/cvs/master/dpu/util/src/include/syms.h,v

6. LOADABLE CODE

ICU code

MD5 checksums and file sizes for loadable code:

-rw-r--r-- 1 heh xray 589356 Mar 25 17:32 icu.hex

MD5 (icu.hex) = 4fcf53a2f5de821f474b174e3bcab6e4

DPU code

MD5 checksums and file sizes for loadable code:

-rw-r--r--	1	heh	xray	166	Mar	25	21:30	blue
-rw-r--r--	1	heh	xray	14440	Mar	25	21:30	blue_p3.cmd.0
-rw-r--r--	1	heh	xray	192090	Mar	26	11:28	blue_p3.p
-rw-r--r--	1	heh	xray	2058240	Mar	25	21:30	dpu.tar
-rw-r--r--	1	heh	xray	9981	Mar	25	21:30	dpu_util
-rw-r--r--	1	heh	xray	6949	Mar	25	21:30	include
-rw-r--r--	1	heh	xray	347280	Mar	25	21:30	p0.cmd.0
-rw-r--r--	1	heh	xray	271152	Mar	26	11:28	p0.p
-rw-r--r--	1	heh	xray	60460	Mar	25	21:30	p5.cmd.0
-rw-r--r--	1	heh	xray	47221	Mar	26	11:28	p5.p
-rw-r--r--	1	heh	xray	99600	Mar	25	21:30	p7.cmd.0
-rw-r--r--	1	heh	xray	77778	Mar	26	11:28	p7.p
-rw-r--r--	1	heh	xray	1010	Mar	25	21:30	red
-rw-r--r--	1	heh	xray	4375	Mar	25	21:30	white

MD5 Values.

blue	=	e7866517592dfd2d4deaf3ff123dd38c
blue_p3.cmd.0	=	00cb036a691ef90fb01c782218f270aa
blue_p3.p	=	17030d852a118d36d0a1db0ab0457b58
dpu.tar	=	d1fcafa82fac08704a1dd62b120c2051
dpu_util	=	d8d1b70402ad1b168bf22beadfacdc27
include	=	5302e2580f0a9f7cdfbae96dd95e6333
p0.cmd.0	=	5810680de033e4e0f3b5ea594346750b
p0.p	=	1efee75085ea5db89bfa8846d0b7e24c
p5.cmd.0	=	4296441d4f339eb17be176e90f61e3cf
p5.p	=	e5317dd25206ba5c9d16130bd10dd019
p7.cmd.0	=	b4b4ea4ae397268c9f5fc0cf5b9b7fbe
p7.p	=	616ede593ba370a9463f050b3346613e
red	=	a0b34a5897f7672e8eec8cafdb71c9bf
white	=	48cbd95a30a5d0f55e2f4f763b3db0d9