XMM Optical Monitor

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SOFTWARE STATUS FOR THE FM

Document Number: XMM-OM/MSSL/SP/0170.07

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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

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.

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 Outstanding NCRs and ECRs

ICU

Reference	Comments
OM-MSSL-NCR-125	ICU crashes with status 0072 after 191 hours
OM-MSSL-NCR-129	No telemetry from OM after switch-on after OBDH problem

DPU

Reference	Comments
OM-MSSL-ECR-72	Implement normal exposure with user selectable binning and tracking, see NCR127
OM-MSSL-ECR-74	Implement Robust DPU window allocation for flat field data.
OM-MSSL-ECR-77	RTRD mode
OM-MSSL-NCR-94	ROM code crash
OM-MSSL-NCR-130	Blue Fast Mode not working

3. BASIC MODE ADA CODE

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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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File: icb_driver.adb	Status: Up-to-date	
Working revision:	1.13	Tue Mar 10 10:56:58 1998
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
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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

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   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
   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
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   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
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   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
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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: release7

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:        1.18     Mon Oct 19 11:21:49 1998
   Repository revision:     1.18     /home/egse/CVS/icu/fm/oper/Makefile,v
File: USERDEFS.asm          Status: Up-to-date
   Working revision:        1.3      Wed Apr  1 10:52:00 1998
   Repository revision:     1.3      /home/egse/CVS/icu/fm/oper/USERDEFS.asm,v
File: adamakecleanup        Status: Up-to-date
   Working revision:        1.5      Fri Apr 17 22:17:26 1998
   Repository revision:     1.5      /home/egse/CVS/icu/fm/oper/adamakecleanup,v
File: adamakedepend         Status: Up-to-date
   Working revision:        1.2      Thu Apr  9 14:12:07 1998
   Repository revision:     1.2      /home/egse/CVS/icu/fm/oper/adamakedepend,v
File: bcp4_ih.ads           Status: Up-to-date
   Working revision:        1.3      Fri Oct 30 17:10:46 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 10:47:46 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 17:10:47 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 17:10:47 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:        1.22     Mon Nov 16 12:27:33 1998
   Repository revision:     1.22     /home/egse/CVS/icu/fm/oper/detanalog.adb,v
File: detanalog.ads         Status: Up-to-date
   Working revision:        1.7      Fri Oct 23 10:40:54 1998
   Repository revision:     1.7      /home/egse/CVS/icu/fm/oper/detanalog.ads,v
File: detdigital.adb        Status: Up-to-date
   Working revision:        1.19     Wed Dec 16 11:26:31 1998
   Repository revision:     1.19     /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:        1.29     Wed Dec 16 11:40:08 1998
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File: dpu.adb Status: Up-to-date
Working revision: 1.29 Wed Dec 16 11:40:08 1998
Repository revision: 1.29 /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: 1.13 Mon Nov 30 15:46:03 1998
Repository revision: 1.13 /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 17:10:47 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: 1.6 Tue Oct 27 10:39:58 1998
Repository revision: 1.6 /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: 1.22 Mon Oct 26 14:13:42 1998
Repository revision: 1.22 /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: 1.11 Mon Oct 26 14:13:43 1998
Repository revision: 1.11 /home/egse/CVS/icu/fm/oper/icb.adb,v
File: icb.ads Status: Up-to-date
Working revision: 1.5 Mon Oct 26 14:13:43 1998
Repository revision: 1.5 /home/egse/CVS/icu/fm/oper/icb.ads,v
File: icb_driver.adb Status: Up-to-date
Working revision: 1.7 Mon Oct 26 14:13:43 1998
Repository revision: 1.7 /home/egse/CVS/icu/fm/oper/icb_driver.adb,v
File: icb_driver.ads Status: Up-to-date
Working revision: 1.2 Mon Oct 26 14:13:44 1998
Repository revision: 1.2 /home/egse/CVS/icu/fm/oper/icb_driver.ads,v
File: icu.ada Status: Up-to-date
Working revision: 1.12 Tue Oct 27 10:39:59 1998
Repository revision: 1.12 /home/egse/CVS/icu/fm/oper/icu.ada,v
File: icu_mem_manager.adb Status: Up-to-date
Working revision: 1.13 Fri Aug 7 01:28:41 1998
Repository revision: 1.13 /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 17:10:47 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: 1.7 Mon Oct 26 14:13:44 1998
Repository revision: 1.7 /home/egse/CVS/icu/fm/oper/importance.ads,v
File: mechanism.adb Status: Up-to-date
Working revision: 1.20 Wed Dec 16 11:22:29 1998
Repository revision: 1.20 /home/egse/CVS/icu/fm/oper/mechanism.adb,v
File: mechanism.ads Status: Up-to-date
Working revision: 1.7 Mon Oct 26 14:13:45 1998
Repository revision: 1.7 /home/egse/CVS/icu/fm/oper/mechanism.ads,v
File: mem_manager.adb Status: Up-to-date
Working revision: 1.7 Fri Jun 26 22:10:35 1998
Repository revision: 1.7 /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 17:10:48 1998
Repository revision: 1.3 /home/egse/CVS/icu/fm/oper/mem_manager.ads,v

Repository revision:	1.3	/home/egse/CVS/icu/fm/oper/mem_manager.ads,v
File: memdpu.adb	Status: Up-to-date	
Working revision:	1.8	Mon Oct 26 14:13:45 1998
Repository revision:	1.8	/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:	1.14	Mon Oct 26 14:37:57 1998
Repository revision:	1.14	/home/egse/CVS/icu/fm/oper/memloc.ads,v
File: modeman.adb	Status: Up-to-date	
Working revision:	1.8	Fri Oct 23 10:41:46 1998
Repository revision:	1.8	/home/egse/CVS/icu/fm/oper/modeman.adb,v
File: modeman.ads	Status: Up-to-date	
Working revision:	1.6	Fri Oct 23 10:41:55 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 11:16:51 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:	1.17	Tue Oct 27 10:39:59 1998
Repository revision:	1.17	/home/egse/CVS/icu/fm/oper/packet.ads,v
File: peek_poke.ads	Status: Up-to-date	
Working revision:	1.2	Fri Oct 23 10:43:14 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	Fri Oct 23 10:43:58 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 11:29:15 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	Thu Oct 16 15:55:58 1997
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 17:10:48 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	Fri Oct 23 10:45:30 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	Fri Oct 23 10:45:30 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	Fri Oct 23 10:45:31 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	Fri Oct 23 10:45:31 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

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  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:     1.15    Fri Oct 30 17:10:48 1998
  Repository revision:  1.15    /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 10:47:48 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     Thu Oct 16 15:56:01 1997
  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 15:02:54 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:     1.9     Mon Oct 26 14:13:49 1998
  Repository revision:  1.9     /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:     1.9     Mon Oct 26 10:47:48 1998
  Repository revision:  1.9     /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:     1.8     Mon Oct 26 14:13:52 1998
  Repository revision:  1.8     /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
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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: tlink17.lcf	Status: Up-to-date	
Working revision:	1.7	Fri May 29 23:15:14 1998
Repository revision:	1.7	/home/egse/CVS/icu/fm/oper/tlink17.lcf,v
File: tm_man.adb	Status: Up-to-date	
Working revision:	1.11	Fri Oct 23 10:45:32 1998
Repository revision:	1.11	/home/egse/CVS/icu/fm/oper/tm_man.adb,v
File: tm_man.ads	Status: Up-to-date	
Working revision:	1.4	Fri Oct 23 10:45:32 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:	1.11	Mon Oct 26 14:13:54 1998
Repository revision:	1.11	/home/egse/CVS/icu/fm/oper/tmpsu.adb,v
File: tmpsu.ads	Status: Up-to-date	
Working revision:	1.3	Mon Oct 26 14:13:54 1998
Repository revision:	1.3	/home/egse/CVS/icu/fm/oper/tmpsu.ads,v
File: tmq.adb	Status: Up-to-date	
Working revision:	1.13	Wed Dec 16 11:16:40 1998
Repository revision:	1.13	/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: release7

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File: blue.asm              Status: Up-to-date
   Working revision:        1.24      Wed Dec  9 22:05:18 1998
   Repository revision:     1.24      /home/xmmom/cvs/master/blue/src/blue.asm,v
File: FecCode.asm           Status: Up-to-date
   Working revision:        1.6       Wed Sep 23 22:21:04 1998
   Repository revision:     1.6       /home/xmmom/cvs/master/include/FecCode.asm,v
File: FecTab.asm            Status: Up-to-date
   Working revision:        1.2       Fri Sep 11 16:46:07 1998
   Repository revision:     1.2       /home/xmmom/cvs/master/include/FecTab.asm,v
File: README                Status: Up-to-date
   Working revision:        1.1.1.1   Mon Dec  5 15:16:28 1994
   Repository revision:     1.1.1.1   /home/xmmom/cvs/master/include/README,v
File: Readme.ps             Status: Up-to-date
   Working revision:        1.2       Wed Sep 13 20:12:16 1995
   Repository revision:     1.2       /home/xmmom/cvs/master/include/Readme.ps,v
File: cred.h                Status: Up-to-date
   Working revision:        1.6       Wed Sep 23 22:21:06 1998
   Repository revision:     1.6       /home/xmmom/cvs/master/include/cred.h,v
File: cwhite.h              Status: Up-to-date
   Working revision:        1.10      Wed Dec  9 22:07:45 1998
   Repository revision:     1.10      /home/xmmom/cvs/master/include/cwhite.h,v
File: dpu_util.h            Status: Up-to-date
   Working revision:        1.8       Thu Jun 13 17:11:31 1996
   Repository revision:     1.8       /home/xmmom/cvs/master/include/dpu_util.h,v
File: dpucfg_map.h          Status: Up-to-date
   Working revision:        1.10      Wed Sep 23 22:21:06 1998
   Repository revision:     1.10      /home/xmmom/cvs/master/include/dpucfg_map.h,v
File: global_access.c       Status: Up-to-date
   Working revision:        1.13      Thu Dec 10 21:22:58 1998
   Repository revision:     1.13      /home/xmmom/cvs/master/include/global_access.c,v
File: hopper.asm            Status: Up-to-date
   Working revision:        1.2       Wed Dec  9 22:11:35 1998
   Repository revision:     1.2       /home/xmmom/cvs/master/include/hopper.asm,v
File: idiot.h       Status: Up-to-date
   Working revision:        1.19      Sat Mar 21 02:02:47 1998
   Repository revision:     1.19      /home/xmmom/cvs/master/include/idiot.h,v
File: macro.h               Status: Up-to-date
   Working revision:        1.4       Thu Jan 11 23:42:08 1996
   Repository revision:     1.4       /home/xmmom/cvs/master/include/macro.h,v
File: mic_restore_params.h            Status: Up-to-date
   Working revision:        1.4       Thu Jan 11 23:42:09 1996
   Repository revision:     1.4       /home/xmmom/cvs/master/include/mic_restore_params.h,v
File: nop.asm               Status: Up-to-date
   Working revision:        1.1       Thu May 28 17:05:21 1998
   Repository revision:     1.1       /home/xmmom/cvs/master/include/nop.asm,v
File: our_own_types.h       Status: Up-to-date
   Working revision:        1.9       Sat Aug  3 13:55:08 1996
   Repository revision:     1.9       /home/xmmom/cvs/master/include/our_own_types.h,v
File: red.h         Status: Up-to-date
   Working revision:        1.6       Wed Sep 23 22:21:07 1998
   Repository revision:     1.6       /home/xmmom/cvs/master/include/red.h,v
File: red_buffers.h         Status: Up-to-date
   Working revision:        1.2       Fri Feb 17 17:11:39 1995
   Repository revision:     1.2       /home/xmmom/cvs/master/include/red_buffers.h,v
File: red_control.h         Status: Up-to-date
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   Repository revision:     1.2       /home/xmmom/cvs/master/include/red_buffers.h,v
File: red_control.h         Status: Up-to-date
   Working revision:        1.6       Tue Sep  9 15:23:04 1997
   Repository revision:     1.6       /home/xmmom/cvs/master/include/red_control.h,v
File: red_crt0_equ.h        Status: Up-to-date
   Working revision:        1.2       Fri Feb 17 17:11:42 1995
   Repository revision:     1.2       /home/xmmom/cvs/master/include/red_crt0_equ.h,v
File: red_default.h         Status: Up-to-date
   Working revision:        1.12      Wed Dec  9 22:13:55 1998
   Repository revision:     1.12      /home/xmmom/cvs/master/include/red_default.h,v
File: red_os_variables.h    Status: Up-to-date
   Working revision:        1.6       Sat Sep 19 10:01:06 1998
   Repository revision:     1.6       /home/xmmom/cvs/master/include/red_os_variables.h,v
File: red_shared_variables.h          Status: Up-to-date
   Working revision:        1.8       Mon Oct 26 17:42:05 1998
   Repository revision:     1.8       /home/xmmom/cvs/master/include/red_shared_variables.h,v
File: red_static_variables.h          Status: Up-to-date
   Working revision:        1.9       Mon Oct 26 17:40:47 1998
   Repository revision:     1.9       /home/xmmom/cvs/master/include/red_static_variables.h,v
File: sci_com.h             Status: Up-to-date
   Working revision:        1.9       Thu Sep  3 06:46:44 1998
   Repository revision:     1.9       /home/xmmom/cvs/master/include/sci_com.h,v
File: sci_ram.h             Status: Up-to-date
   Working revision:        1.2       Fri Feb 17 17:11:48 1995
   Repository revision:     1.2       /home/xmmom/cvs/master/include/sci_ram.h,v
File: setup.h               Status: Up-to-date
   Working revision:        1.5       Sat Mar 21 02:02:49 1998
   Repository revision:     1.5       /home/xmmom/cvs/master/include/setup.h,v
File: sim_blue_local_ram.h            Status: Up-to-date
   Working revision:        1.5       Wed Mar 20 18:55:02 1996
   Repository revision:     1.5       /home/xmmom/cvs/master/include/sim_blue_local_ram.h,v
File: sun_util.h            Status: Up-to-date
   Working revision:        1.5       Thu Jun 13 17:11:34 1996
   Repository revision:     1.5       /home/xmmom/cvs/master/include/sun_util.h,v
File: vbtwl.def             Status: Up-to-date
   Working revision:        1.3       Mon Jul 15 17:58:37 1996
   Repository revision:     1.3       /home/xmmom/cvs/master/include/vbtwl.def,v
File: vbtwl.h               Status: Up-to-date
   Working revision:        1.3       Mon Jul 15 17:58:38 1996
   Repository revision:     1.3       /home/xmmom/cvs/master/include/vbtwl.h,v
File: white.h               Status: Up-to-date
   Working revision:        1.15      Wed Dec  9 22:15:41 1998
   Repository revision:     1.15      /home/xmmom/cvs/master/include/white.h,v
File: white_buffers.h       Status: Up-to-date
   Working revision:        1.3       Sat Mar 21 02:02:50 1998
   Repository revision:     1.3       /home/xmmom/cvs/master/include/white_buffers.h,v
File: white_control.h       Status: Up-to-date
   Working revision:        1.11      Thu Dec 10 04:45:32 1998
   Repository revision:     1.11      /home/xmmom/cvs/master/include/white_control.h,v
File: white_crt0_equ.h      Status: Up-to-date
   Working revision:        1.2       Sat Mar 21 02:02:51 1998
   Repository revision:     1.2       /home/xmmom/cvs/master/include/white_crt0_equ.h,v
File: white_default.h       Status: Up-to-date
   Working revision:        1.14      Wed Dec  9 22:17:10 1998
   Repository revision:     1.14      /home/xmmom/cvs/master/include/white_default.h,v
File: white_os_variables.h Status: Up-to-date
   Working revision:        1.7       Wed Dec  9 22:18:16 1998
   Repository revision:     1.7       /home/xmmom/cvs/master/include/white_os_variables.h,v
File: white_shared_variables.h        Status: Up-to-date
   Working revision:        1.15      Wed Nov  4 19:06:21 1998
   Repository revision:     1.15      /home/xmmom/cvs/master/include/white_shared_variables.h,v
File: white_static_variables.h        Status: Up-to-date
   Working revision:        1.15      Wed Nov  4 19:06:22 1998
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  Working revision:     1.15     Wed Nov  4 19:06:22 1998
  Repository revision:  1.15     /home/xmmom/cvs/master/include/white_static_variables.h,v
File: xmmom_Test_Stack.asm       Status: Up-to-date
  Working revision:     1.2      Tue Sep  9 15:23:09 1997
  Repository revision:  1.2      /home/xmmom/cvs/master/include/xmmom_Test_Stack.asm,v
File: xmmom_std.asm     Status: Up-to-date
  Working revision:     1.6      Wed Dec  9 22:19:29 1998
  Repository revision:  1.6      /home/xmmom/cvs/master/include/xmmom_std.asm,v
File: xmmom_std2.asm    Status: Up-to-date
  Working revision:     1.1      Wed Dec  9 23:21:57 1998
  Repository revision:  1.1      /home/xmmom/cvs/master/include/xmmom_std2.asm,v
File: red.asm           Status: Up-to-date
  Working revision:     1.12     Wed Dec  9 22:00:20 1998
  Repository revision:  1.12     /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:     1.9      Wed Sep 23 22:38:20 1998
  Repository revision:  1.9      /home/xmmom/cvs/master/red/src/cc/cred.c,v
File: reddsp.c          Status: Up-to-date
  Working revision:     1.20     Wed Dec  9 21:58:15 1998
  Repository revision:  1.20     /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: 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:     1.42     Thu Dec 10 04:39:28 1998
  Repository revision:  1.42     /home/xmmom/cvs/master/white/src/cc/cwhite.c,v
File: shared_io_functions.c      Status: Up-to-date
  Working revision:     1.24     Wed Nov  4 19:02:05 1998
  Repository revision:  1.24     /home/xmmom/cvs/master/white/src/cc/shared_io_functions.c,v
File: shared_variables.c         Status: Up-to-date
  Working revision:     1.17     Wed Nov  4 19:04:36 1998
  Repository revision:  1.17     /home/xmmom/cvs/master/white/src/cc/shared_variables.c,v
File: su_calbgd.c       Status: Up-to-date
  Working revision:     1.23     Thu May 28 04:41:22 1998
  Repository revision:  1.23     /home/xmmom/cvs/master/white/src/cc/su_calbgd.c,v
File: su_caldrft.c      Status: Up-to-date
  Working revision:     1.24     Wed Dec  9 21:40:14 1998
  Repository revision:  1.24     /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:     1.39     Fri Dec 11 04:13:17 1998
  Repository revision:  1.39     /home/xmmom/cvs/master/white/src/cc/su_deliverdata.c,v
File: su_dowindow.c     Status: Up-to-date
  Working revision:     1.29     Thu Nov 12 07:03:10 1998
  Repository revision:  1.29     /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
```

File: su_engineering.c	Status: Up-to-date	
Working revision:	1.10	Thu May 28 04:41:34 1998
Repository revision:	1.10	/home/xmmom/cvs/master/white/src/cc/su_engineering.c,v
File: su_getref.c	Status: Up-to-date	
Working revision:	1.20	Thu May 28 04:41:36 1998
Repository revision:	1.20	/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:	1.33	Thu Dec 10 04:39:31 1998
Repository revision:	1.33	/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:	1.22	Thu May 28 04:41:42 1998
Repository revision:	1.22	/home/xmmom/cvs/master/white/src/cc/su_restore_stars.c,v
File: su_rtrd.c	Status: Up-to-date	
Working revision:	1.3	Thu Nov 12 07:03:20 1998
Repository revision:	1.3	/home/xmmom/cvs/master/white/src/cc/su_rtrd.c,v
File: su_scanbs.c	Status: Up-to-date	
Working revision:	1.28	Thu Dec 10 04:39:33 1998
Repository revision:	1.28	/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:	1.27	Wed Sep 23 22:29:31 1998
Repository revision:	1.27	/home/xmmom/cvs/master/white/src/cc/sun_util.c,v
File: whitedsp.c	Status: Up-to-date	
Working revision:	1.57	Thu Dec 17 21:26:56 1998
Repository revision:	1.57	/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: 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

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  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
  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
```

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
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

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   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
   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       612927 Dec 17 13:07 icu.hex
0dceab09aa59f7da941cc54562f5a8bb   icu.hex
```

DPU code

MD5 checksums and file sizes for loadable code:

```
-rw-r--r--   1 xmmom    staff       14300 Dec 22 10:05 blue_p3.cmd
-rw-r--r--   1 xmmom    staff       14300 Dec 22 10:05 blue_p3.cmd.0
-rw-r--r--   1 xmmom    staff       11183 Dec 22 10:05 blue_p3.p
-rw-r--r--   1 xmmom    staff      346760 Dec 22 10:04 p0.cmd
-rw-r--r--   1 xmmom    staff      346760 Dec 22 10:04 p0.cmd.0
-rw-r--r--   1 xmmom    staff      270746 Dec 22 10:04 p0.p
-rw-r--r--   1 xmmom    staff       84900 Dec 22 10:05 p5.cmd
-rw-r--r--   1 xmmom    staff       84900 Dec 22 10:05 p5.cmd.0
-rw-r--r--   1 xmmom    staff       66303 Dec 22 10:05 p5.p
-rw-r--r--   1 xmmom    staff      103120 Dec 22 10:05 p7.cmd.0
-rw-r--r--   1 xmmom    staff       80524 Dec 22 10:05 p7.p

38af74841bf6dbbbeea3c1457d2d1624  blue_p3.cmd
38af74841bf6dbbbeea3c1457d2d1624  blue_p3.cmd.0
707cf89af91898428cf76db53238ef62  blue_p3.p
c93d79beeffd95a1e8d3db8f51f07872  p0.cmd
c93d79beeffd95a1e8d3db8f51f07872  p0.cmd.0
65770d3f6dd2c6bba31fbd570ab8d4c9  p0.p
aa8f3653c2663b737797f30c5b500441  p5.cmd
aa8f3653c2663b737797f30c5b500441  p5.cmd.0
21c9e2bc52f0ae4df2133261647d0776  p5.p
7b64115e6562122ae0ae7f01ad39edc7  p7.cmd.0
255b65b9e3e50edb4c820996bc3f88ae  p7.p
```