

814-RD-004-005

## **EOSDIS Core System Project**

# **Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project**

Version 1.03

May 7, 1996

Hughes Information Technology Systems  
Upper Marlboro, Maryland

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**Version 1.03**

**May 7, 1996**

Prepared Under Contract NAS5-60000

## **SUBMITTED BY**

<u>Robert E. Clinard, /s/</u>	<u>5/16/96</u>
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EOSDIS Core System Project	

**Hughes Information Technology Systems**  
Upper Marlboro, Maryland

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# Preface

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This document (814-RD-004-005) supersedes document 814-RD-004-004, dated April 10, 1996.

This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996. It is not a formal deliverable and does not require Government approval. However, it has been placed under configuration control by the ECS CCB. Changes to this document shall be made by document change notice (DCN) or by complete revision.

Any questions regarding distribution should be addressed to:

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# Abstract

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This document (814-RD-004-005) supersedes document 814-RD-004-004, dated April 10, 1996.

This document describes the delivery contents of Ir1 (also referred to as *the product*) components including Commercial Off-The-Shelf (COTS) hardware and software (*Ir1 COTS*), Version 1.00 of custom Ir1 ECS software (*Ir1 Software*) and accompanying documentation.

The purpose of this document is to describe the contents of the Ir1 delivery. It briefly describes the capabilities of the product, provides an inventory of the delivery, lists unresolved problems, and addresses issues such as special operating instructions, system limitations, and disclaimer notices for public domain software used in the product.

This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996.

**Keywords:** version, description, release, software, Ir1, hardware, deliver, CCB, problems, instructions, TRMM, SSI&T, inventory

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# Change Information Page

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## Appendix F. Archive Tapes

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## 4.2.1 SUN Solaris

Path /usr/local/bin

- perl  
Ir1, Version 5.0 perl\_050796.tar.Z

## 4.3.2 Communication Subsystem (CSS)

Ir1, Version 1.03 IR1\_CSS\_SGI\_040396.tar.Z Tar File Listing

## 4.3.4 Ingest Subsystem

Ir1, Version 1.03 IR1\_INGEST\_SGI\_040496.tar.Z Tar File Listing

## 5.2 Ir1 Non-Conformance Reports (Closed Status)

NCRs closed as of April 10, 1996

**Problem Id: ECSed01606**

Severity: 4

Title: Saving of Mail Message generates errors

Problem: Discovered two problems associated with the mail saving:

1. After browsing mail messages, saved the message under vl and it responded with the error message as shown below (mail: Cannot chown savefile). Also one line of message did not display here, although it displayed on sprlsgigsfc.

2. Again, after browsing mail messages, saved the message under and it responded with the error message as shown below:

? s

mail: Cannot link savefile to mailfile icllsgigsfc%

Update added 960219 by nvazarka. Possible permissions problems on the mail volume. Jeff Armstrong to investigate.

Resolution: Configuration corrected by Jeff Armstrong (Jeff to add details of what he did).

**Problem Id: ECSed01619**

Severity: 3

Title: Mail Msg cannot be browsed on aitlsunlarc

Problem: Entered the mail message from aitlsunlarc at LaRC

as follows and I could only browse that mail message from EDF workstation (triton) and not from any of the LaRC workstation.

aitlsunlarc% mail vkhatri

45

.

The above mail was received at triton as shown below:

triton{vkhatri}108: mail

From vkhatri@eos.hitc.com Mon Jan 22 13:07:35 1996

From: vkhatri@eos.hitc.com (Vinod Khatri)

Date: Mon, 22 Jan 1996 13:10:44 -0500

Message-Id: <9601221810.AA03129@aitlsunlarc>

45

? q

triton{vkhatri}109:

Vino Khatri

Update added 960219 by nvazarka

Accessing /var/spool/mail directory on the machine gives an error ("Stale NFS File Handle") which is the reason the mail message did not show up.

Morris to investigate the reason for the error and correct it.

Resolution: The mail volume is remounted.

**Problem Id: ECSed01626**

Severity: 3

Title: Error in sending DDN from Ingest to Gateway

Problem: During the Ingest process the DDN is never delivered to the Gateway Proxy. The Ingest Log contains the following message:

InRequest - DDN Delivered to Gateway Status = 382312470

The Status in to above message should be '0' indicating successful dce/rpc. At this point the Ingest process hangs. This problem is intermittent.

Update added 960219 by nvazarka

Error code 382312470 is produced by dce/rpc when it can't contact a server. This is an OPERATIONAL error and is expected to occur intermittently (just like a network may go down some times!).

The log is provided so that operators are aware of the situation and can take corrective actions, which may amount to checking the operational status of dce, network connections, server availability etc. The message also shows up at the EDF in the Openview log, where the corrective actions can be initiated.

Because of this OPERATIONAL nature of the problem, the NCR is being moved to the fixed status.

Resolution: Operational error. See the update enclosure for details.

**Problem Id: ECSed01627**

Severity: 3

Title: FTP - ERRORS during Ingest of data files

Problem: Test Case 12.1 was executed many times. During some of the runs FTP errors occurred during the FTP of the data files. The following ftpstatus' were seen in the Ingest Log:

fptstatus = 20

fptstatus = 10

ftpstatus = 7

These errors occurred intermittently.

Update added 960219 by nvazarka

The intermittent nature of the problem is due to the reason that it is an OPERATIONAL error. These errors could be due to many factors like:



- the FTP server being unavailable/unreachable at the time of FTP
- network problems
- error at the server or client side

The message is recorded in the local log and also in the openview log. Receiving this error would result in investigation of the cause at the time of failure by the operational personnel. The failed transfer should be retried at a future time.

Due to the OPERATIONAL nature of this problem, it is being moved to Fixed state.

Resolution: Operational error.

Resolution\_update added 960319 by kmiller

Upon further investigation into this problem it was found that a system Virtual Time Alarm (SGI only) causes a problem with the FTP process. A fix was made to the Session Server to ignore these alarms during the FTP process.

Nitin 3/26. This problem was noticed very frequently during the SDPF interface testing where many files are being sent in a single DAN. Upon further investigation, it was noticed that the FTP errors occurred whenever the 'Virtual Time Alarm' message popped up on the console. This led to the theory that maybe the virtual time alarm is what causes the FTP process to get all these errors (note that this signal gave lots of headaches in starting the session server process). A fix was made to ignore this signal during the FTP and it worked perfectly.

**Problem Id: ECSed01628**

Severity: 3

Title: FTP of files occurs twice during the Ingest process

Problem: During the Ingest Process the FTP of the data files seems to occur twice for each file. The DAN's were verified to contain only one instance of each data file. This may or may not have any connection to the FTP error problem stated in NCR ECSed01627.

Resolution: FTP command was being called twice in the code.

**Problem Id: ECSed01631**

Severity: 2

Title: Sybase tables must be moved for Aster

Problem: Added 960125 by vharihar. In order to do ASTER performance benchmark testing by Moshe Pniel from the Aster Science Project the Sybase tables must be moved from AIT3SUNEDC to MSS1SUNEDC. Contact Person: John Daucsavage 605-594-6816 jdaucs@ecs-hpl.cr.usgs.gov

Resolution: ECR "ESD 00009" addressed the extra database needs for ASTER database. According to this ECR, EDC was to get an extra SUN machine to host their own database. This (the extra SUN) did not get included in the Irl purchase order. This situation is being remedied for Rel A (when they will have a separate SUN machine for their database). This is scheduled in the April-July time frame.

Solution for the NCR is that EDC is being provided with one EXTRA copy of the Sybase server which runs on the same machine as the PDPS database. Partitioning will be determined so that AI&T operations do not adversely affect ASTER performance. Folks at ASTER will handle the installation and configuration of the additional database. This will allow them a separate database for now.

In Rel A, the existing database or the PDPS database will be moved to the new machine.

**Problem Id: ECSed01637**

Severity: 3

Title: Memory on Xterms prohibiting efficient testing

Problem: Please describe the problem you are experiencing below, including what you did, what you expected to happen, and what actually happened: The 8 Mbytes of memory on each of the Xterms at the EDC DAAC are insufficient when trying to bring up multiple windows in a single session. Could not run any SSI&T, HP Openview, or any other tests involving many windows coming to the screen.

Update added 960219 by nvazarka.

2/16 Mary A. and Mike D. to address this issue.

Rel A (Rich Gorsky/Craig J) have been notified for consideration in RA buy.

2/20 Equipment (memory) is approved for RA buy.

Resolution: Memory has been added to xterms at all DAACs.

**Problem Id: ECSed01640**

Severity: 3

Title: Event\_Logger data base is not configured properly  
at GSFC, LaRC, EDC

Problem: The Event\_Logger Data Base is not configured properly at GSFC, LaRC, and EDC.

Resolution: Database configured and cronjobs added for the three DAACs.

**Problem Id: ECSed01644**

Severity: 1

Title: Network becomes slow with Wabi

Problem: Wabi hangs when attempt is made to Save (see NCR 1615). If multiple Wabi servers are started this way then it makes the network real slow.

This problem has been reported by the Langley DAAC. Entered by Nitin.

Update added 960206 by nvazarka. The following from email to lllee from nvazarka.

I talked to Morris about this and apparently the performance degradation is due to Wabi accessing some housekeeping files over the network. He is working on changing the setup so that these files are created locally. This, we think, will result in improved performance. I believe that local access is the way Wabi is setup at Goddard

and so far no performance problems have been reported from there.

I'm opening a NEW NCR for tracking this item (with the understanding that it is related to Wabi NCR 1615). This will make tracking of this problem easier and we can close this one once the above setup results in expected results.

Morris is going to try and do this today and we will know of the outcome soon.

Resolution: Wabi housekeeping files moved to local system.

**Problem Id: ECSed01645**

Severity: 3

Title: SNMP agent not installed

Problem: SNMP agent is not installed on the following machines:

sprlsgigsfc

icllsgigsfc

icllsgilarc

Also SNMP agent on msslsungsfc is not configured properly. All the above were discovered from the openview map (it shows a blank box where it can't locate a SNMP agent).

Update added 960206 by nvazarka. SNMP agents to be installed on the named machines.

Resolution: SNMP agent is now installed on these machines.

**Problem Id: ECSed01649**

Severity: 2

Title: GSFC DAAC AutoSys remote agent not reporting job processing status

Problem: Remote agent on sprlsgigsfc is not returning job processing statuses beyond STARTING back to the Sun event processor. The interfaces file needs to be checked for proper configuration with GSFC DAAC machines.

Suggested solution added 960216 by nvazarka. The file /vendor/sybase/interfaces located on the SGI Science Processor machines at each DAAC is incorrect as installed at Irl at each DAAC. The /vendor/sybase/interfaces file needs to have the following sets of lines in the following order if AutoSys is to report processing status correctly. The set of lines that are site specific and look like

```
query tcp ether ait
master tcp ether ait
```

MUST be located in the file before the lines

```
query tli tcp /dev/tcp/
master tli tcp /dev/tcp/
```

These lines must be ordered in this manner for processing to complete successfully using the Irl PDPS build s/w.

Corrections to these /vendor/sybase/interfaces files on the SGI Science Processor machines at each DAAC (i.e. GSFC, LaRC, EDC & MSFC h/w) have been made.

Resolution: Sybase/Autosys interface file configuration is a one time task which is to be done at all sites. There is no custom software change required.

**Problem Id: ECSed01653**

Severity: 3

Title: MSFC h/w/home/\* volumes are automounted to GSFC DAAC/home/\*

Problem: I logged onto the MSFC hardware machines located at GSFC: sprmlsgi, aitmlsun and aitm2sun. I found files in /home/cboettch/\* that had been created while on the GSFC DAAC machines sprlsgigsfc, aitlsungsfc and ait2sungsfc. To confirm that /home/\* had been auto-mounted, I created a file on aitlsungsfc and discovered I could read it on aitmlsun.

Update added 960219 by nvazarka. Automounting GSFC user home directories may cause problems in setting of environment variables during operations. For example, while working on the MSFC machines, the environment variables for database/autosys may point to GSFC hardware.

2/21. Setup files are being created which will allow users to setup custom environment for the two DAACS.

Resolution: Setup files address custom setup for msfc/gsfsc. To be included in the standard Ir1 setup files.

**Problem Id: ECSed01654**

Severity: 5

Title: Anonymous FTP not supported in Ir1

Problem: Anonymous FTP is not supported in Ir1 (as per Nitin Vazarkar). However, there is a specific requirement (see below) that still exists and is allocated for Ir1 that needs to be reallocated to Release A or beyond.

C-CSS-60650: The CSS File Access service shall support anonymous FTP which allows read access to all users.



Reason added 960216 by nvazarka. Anonymous FTP can be supported by simply adding an account. However Irl DOES NOT use anonymous FTP and therefore this facility is not being provided. The requirement to be moved to Rel A.

Resolution: See the reason enclosure.

**Problem Id: ECSed01674**

Severity: 3

Title: Xvnews does not allow access at MSFC

Problem: When attempting to do test case TC4.2.2 - Bulletin Board at MSFC, I encountered the following message on my console:

```
aitmlsun:/home/kcampbel[35]? xvnews &
```

```
[1] 17567
```

```
aitmlsun:/home/kcampbel[36]? System warning: No such file  
or directory, extras menu file /usr/lib/.text
```

```
_extras_menu (Textsw package)
```

```
502 You are not in my access file. Goodbye.
```

```
retrying...
```

```
Failed message from server is:
```

```
502 You are not in my access file. Goodbye.
```

```
Failed message from server is:
```

```
502 You are not in my access file. Goodbye.
```

The Irl team cannot access the Bulletin Board at all for our test purposes.

Suggested\_solution added 960216 by nvazarka.  
Possible changes in newsroom configuration.

Resolution: newsroom.hitc.com has been configured to allow  
access from Marshall machines.

**Problem Id: ECSed01682**

Severity: 1

Title: SGI32/64 byte TOOLKIT will not load on the SGI  
Indy at MSF

Problem: The SGI32/64 byte TOOLKIT in tar file  
IR1\_TOOLKIT\_122995.tar.Z, will not load on the  
SGI Indy machine at MSFC - sprmlsgi. This NCR  
needs immediate attention because the Irl  
installation for TOOLKIT and PDPS is on hold!!!

Update added 960219 by nvazarka. Mike Sucher to  
investigate. According to Larry, this was  
verified on an EDF Indy.

Resolution: Toolkit installation is driven by command line  
arguments to the install script. Attempt was  
being made to install 64 bit version which is  
not supported on INDY. When installed with the  
correct command line arguments the installation  
was successful.

64 and new 32 (n32) versions of the DAAC and SCF  
toolkit are not supported by INDY and don't  
apply to MSFC equipment.

**Problem Id: ECSed01685**

Severity: 4

Title: Sybase filing missing from aitmlsun

Problem: I tried to bring up the PDPS GUIs for PGE Registration and DPR submission The GUI failed because a necessary Sybase file /vendor/sybase/locales/locales.dat was missing from this MSFC h/w machine. aitm2sun contained the locales.dat file, and the GUIs work with Sybase without problem on aitm2sun.

Here are the screen messages I got when trying to bring up the GUIs:

The context allocation routine failed when it tried to load localization files!! One or more following problems may caused the failure

Your sybase home directory is /vendor/sybase. Check the environment variable SYBASE if it is not the one you want!

```
C a n n o t           a c c e s s           f i l e
/vendor/sybase/locales/locales.dat
```

```
Num Types = 0
```

```
ReturnVal = 2  Success : 1  Fail : 0
```

```
E r r i d =
DpAt|0.1|18150|SunOS|5.4|aitm1sun|192.107.190.10
1|
```

```
SYSTEM_ERROR...Unable to get PGE Names from PGE
Database
```

```
GUI FAILED
```

Resolution: The named file was copied to this system from another machine. Disappearance or non installation of this file should be investigated.

**Problem Id: ECSed01686**

Severity: 3

Title: DCE errors during operations

Problem: Intermittent DCE errors are reported on the console and syslog indicating communications failure. The errors are similar to the following:

```
Feb 21 13:41:53 kingkong syslog: dttd.dce: DCE error:
Failure in rpc_mgmt_inq_server_princ_name:
communications failure (dce / rpc)
```

```
Feb 21 15:43:14 kingkong syslog: dttd.dce: DCE error:
Failure in rpc_mgmt_inq_server_princ_name:
communications failure (dce / rpc)
```

```
Feb 21 15:46:35 kingkong syslog: dttd.dce: DCE error:
Failure in rpc_mgmt_inq_server_princ_name: RPC daemon
communications failure (dce / rpc)
```

The cause of these errors must be investigated (related to router/link etc.) and corrective actions taken.

Update added 960228 by nvazarka. DCE manuals state that there should be a hierarchy of time servers and 3 (recommended) should exist per LAN. This is not the case for Irl (there are a total of 3 time servers).

Also there is no standard time provider for the cell, which may well be the problem. It was confirmed that all machines in the cell are getting these errors. The following changes are proposed:

1. Change the time server configuration to the one suggested by DCE manuals (3 Per lan, 1 courier, and 3 global servers)

2. Add a time provider

Results of the above would be known once they are completed.

3/20 Nitin. Adding a time provider does help and now the errors don't occur. Situation to be monitored for some more time before closing the NCR.

Resolution: See update enclosure for details.

**Problem Id: ECSed01709**

Severity: 1

Title: Unix Permission ERROR at MSFC from sprmlsgi

Problem: When submitting PGE query from aitmlsun at MSFC, I received the following error message:

```
<UNIX Permission ERROR: Could not find user=kcampbel on
Host: sprmlsgi>
```

Update added 960228 by nvazarka. The following scenario reproduces the problem:

1. Log into aitmlsun
2. Bring up autosc (for job entry)
3. Enter a job for execution on sprmlsgi.
4. Bring up autocons (console)
5. Start the job entered in step 3.
6. Monitor messages for the job and the error shows up.

### Analysis

This was traced to Autosys not able to recognize NIS users on sprmlsgi (though from NIS perspective everything looks okay). sprmlsgi is a unique machine in the Irl environment since:

- this is the only SPR which is an indy.
- this is the ONLY SGI which is NOT a NIS server (NIS server for this is sprlsgigsfc).

A user entry to was added to /etc/passwd file and that user could successfully execute the above scenario.

There are the following possibilities about the cause of this problem:

1. Problem with Autosys on SGI.
2. Configuration (note that a frest client install was done on sprmlsgi for NIS and it did not solve the problem).

Vendor is being contacted for this. For now the workaround (/etc/passwd) can be used to add users who MUST run jobs.

Nitin 3/4: Awaiting analysis from Linwood and Craig.

Nitin 3/7: From Craig. This is a bug in Autosys 3.2. Will be fixed in version 3.3

Resolution: Until the new version of autosys is installed, the workaround must be adopted.

**Problem Id: ECSed01736**

Severity: 3

Title: Cannot submit CCRs from GSFC DAAC Irl machines

Problem: Allowing entry from DAACs would create a mechanism that will permit just anyone to generate CCRs for us.

We have a process which includes a preview of the problem which precedes authorization to proceed with the engineering. The CCR is not introduced until the engineering is complete and fully coordinated.

If a DAAC wants to submit a CCR, they should identify an advocate within ECSM to sponsor it at the ECS CCB to ensure it gets the appropriate care. In other words, CCR would have to be generated internally within EDF by a DAAC advocate.

Resolution: CCR to be entered in-house as per Bob's message.

**Problem Id: ECSed01757**

Severity: 3

Title: Irl perl outdated

Problem: (email Message from Lucy Lee 3/4/96). In a telecon last Thursday, the MISR instrument team noted that they expected version 5.0.0 of perl to support their SSI&T.

Morris checked the perl provided with Irl, and it is version 4.0.

According to other DAAC sources, perl version 5 has been out for almost a year now. So two questions arise:

1. Why is the Irl version outdated?
2. How do we get v5.0.0 for MISR?

Resolution: Perl to be installed on the science processor at EDC, GSFC, LaRC and MSFC. Compiled and built on "lucy" by Nitin on 4/15/96. Put under configuration control in /ecs/cots/perl.

**Problem Id: ECSed01778**

Severity: 3

Title: License for FORCHECK is available on only one of the Sun AITs

Problem: FORCHECK can only be run on one of the AIT Suns. It should be available for both machines.

Resolution: The FORCHECK software license was purchased only for ait1sun. There are no plans to purchase the license for ait2sun.

Rel A buy doesn't contain FORCHECK.

**Problem Id: ECSed01779**

Severity: 3

Title: Third party software (gcc,gdb) and guidelines.

Problem: Message from Lucy Lee (3/5/96). MISR has asked the Langley DAAC to install the following Gnu products:

gcc Gnu C compiler

gdb Gnu debugger

They would like to have access to these products on Irl so that the debug/test environment at the DAAC duplicates the development environment at the MISR SCF. This will allow them to use their time (both remote testing and at the DAAC) more productively.

We have made it clear to the MISR team that formal SSI&T will utilize the supported Irl compilers. Three questions arise from this issue:

1. What is the general ESDIS policy for installation of DAAC-unique software tools?
2. What is the ECS procedure for third-party software installation?
3. Specifically, may we go ahead with this particular MISR request?

The MISR team will begin testing next week. We would appreciate a definitive answer as soon as possible.

Nitin. This is being entered as a NCR for tracking purposes. This will be a feedback item for future releases.

The purpose of this NCR for Irl will be to track the installation of the mentioned gnu products.

Update added 960307 by nvazarka. To be addresses in Rel A CCB.

Nitin 3/28. Products installed under /usr/local/unsupported/bin directory. The SCF would like to use these for debugging. During EGSI&T, only the ECS approved compilers will be used.

Resolution: See the update enclosure.

**Problem Id: ECSed01814** (Duplicate of ECSed01817)

Severity: 4

Title: Prohibited fn checker flags prohibited fns that are part of other words

**Problem Id: ECSed01817**

Severity: 3

Title: The checker flags the keyword sign in source code

Problem: In C source code, the Prohibited Function Checker flags the pattern "sign" as a prohibited function. This keyword does not appear in any of the \*.txt files that the checker uses.

Resolution: As Tej explains below, it is flagging "sign" because it begins with "sig", and all functions beginning with "sig" are flagged because the SDP Toolkit Users Guide indicated that these were prohibited.

Workaround for DAAC: find out all "sig" prohibited functions, put them into the list, remove the line that's there now.

As this file is completely DAAC configurable, no change is needed to ECS software. It is up to the DAAC whether they want to make this change.

**Problem Id: ECSed01818**

Severity: 3

Title: There is only one license available for Z-Mail. Only one user can access

Problem: Currently in Ir1, there is only one license available to use Zmail. This means that only one user at a time can have Zmail running. This would not be as much of a problem if something like elm or pine were available.

Resolution: From Craig 4/1. NCR 1818, only one Zmail license, is not a problem. Ir-1 DID NOT purchase Zmail for any system. That Zmail came with the Power Challenge Irix 6.1 software. Ir-1 was supposed to use the standard Mail tools supplied from the O/S vendor.

**Problem Id: ECSed01844**

Severity: 2

Title: Heap and Stack Space updates for Ada

Problem: CR\_Description added 960329 by vharihar. The Ada compiler needs to be updated to support a 128 MB heap space. This update is required to support CERES SSI&T for the Instrument subsystem.

analysis added 960329 by nvazarka.

Nitin 3/14. Here is the long and short of it!

It IS indeed Ada reconfiguration (unlike the system reconfiguration as we previously thought). The procedure is as follows:

- modify v\_usr\_conf\_b.a file provided in the install to reconfigure parameter maxheapsize to 128 MB.

- The file needs to be recompiled and put in the default Ada library and that's about it.

-I would think that if Larry Mathias can help we should accept the offer and let him reconfigure with Bob or Morris watching. The final library can then be put under configuration control here at EDF to recover from any future disasters.

Nitin 4/1. The updated files should be made part of baseline Ir1 configuration.

Resolution: Site to update locally. No baseline changes.

### 5.3 Ir1 Non-Conformance Reports (Open Status)

NCRs still opened as of April 10, 1996

**Problem Id: ECSed01564**

Severity: 4

Title: Line on Alarm Mgr. Window is Chopped Partially

**Problem Id: ECSed01647**

Severity: 3

Title: DpAtExecutionMain.err/.out need more than owner write privilege

**Problem Id: ECSed01648**

Severity: 3

Title: Install create of irl\_pdps needs insert of a default tbl\_dpr entry

**Problem Id: ECSed01650**

Severity: 4

Title: Help on command line DPR submission is wrong

**Problem Id: ECSed01651**

Severity: 4

Title: Successful PGE registration needs to return  
pge\_id to command line

**Problem Id: ECSed01656**

Severity: 3

Title: syslogd causes system to crash when HPOV is  
running.

**Problem Id: ECSed01659**

Severity: 3

Title: DpAtINSTALL.sh script needs to be updated

**Problem Id: ECSed01673**

Severity: 2

Title: EDC failure to create  
/Irl\_IT/AI\_T/bin/sun5/TempJilScript

**Problem Id: ECSed01683**

Severity: 5

Title: Cleanup of CDSBROWSER necessary

**Problem Id: ECSed01687**

Severity: 3

Title: Special characters in password cause problems in  
FTP

**Problem Id: ECSed01691**

Severity: 4

Title: SSI&T Prolog Extractor should allow \*.f F90 file  
extensions

**Problem Id: ECSed01733**

Severity: 4

Title: Clobbering of SDP Toolkit environment setup

**Problem Id: ECSed01735**

Severity: 4

Title: Sun core dump on exit

**Problem Id: ECSed01751**

Severity: 3

Title: Can not print from Excel

**Problem Id: ECSed01758**

Severity: 3

Title: Need setup files for all shells

**Problem Id: ECSed01759**

Severity: 2

Title: PGSHOME directory structure different for SCF  
and  
DAAC toolkits

**Problem Id: ECSed01764**

Severity: 2

Title: Science process and mss sun depend on each other  
for booting.

**Problem Id: ECSed01776**

Severity: 3

Title: Checker does not account for #ifdef's in source

**Problem Id: ECSed01780**

Severity: 5

Title: Command line help for pccheck.sh is incorrect

**Problem Id: ECSed01786**

Severity: 3

Title: GUI disappears and program quits intermittently  
during normal analysis

**Problem Id: ECSed01792**

Severity: 3

Title: Climatology database not supplied

**Problem Id: ECSed01805**

Severity: 3

Title: Discrepancy in VDD and location/contents of the  
software

**Problem Id: ECSed01810**

Severity: 3

Title: PCF Checker can not handle big file

**Problem Id: ECSed01812**

Severity: 3

Title: Use of PCF template is not mandatory

**Problem Id: ECSed01819**

Severity: 3

Title: CERES/MISR/MOPITT TK Mods for LaRC

**Problem Id: ECSed01820**

Severity: 3

Title: GUI disappeared after second file specified

**Problem Id: ECSed01821** (Duplicate of ECSed01820)

Severity: 3

Title: HDF file comparison tool dies without error

**Problem Id: ECSed01822**

Severity: 3

Title: IMSL function rline aborts

**Problem Id: ECSed01823**

Severity: 2

Title: Toolkit cannot location PCF when updating for  
Temp I/O

**Problem Id: ECSed01824**

Severity: 2

Title: Toolkit cannot seem to update PCF with temporary  
I/O entries

**Problem Id: ECSed01826**

Severity: 3

Title: Error in PGS\_PC\_Shell.sh Help screen

**Problem Id: ECSed01827**

Severity: 3

Title: PCF Checker doesn't check if filenames are  
missing

**Problem Id: ECSed01829**

Severity: 2

Title:           Need better command-line interface to allow  
                  longer list of options

**Problem Id: ECSed01842**

Severity:       3

Title:           Need Default Printer for Science Processor

**Problem Id: ECSed01843**

Severity:       2

Title:           Upgrade to HDF 4.0 required

**Problem Id: ECSed01845**

Severity:       4

Title:           Install emacs on the Science Processor

**Problem Id: ECSed01847**

Severity:       3

Title:           Single-Threaded IMSL required for NAG F90

**Problem Id: ECSed01849**

Severity:       3

Title:           Apparent csh incompatibilities with AutoSys

**Problem Id: ECSed01850**

Severity:       3

Title:           PGSMMSG directory requires world write

**Problem Id: ECSed01851** (Duplicate of ECSed01822)

Severity:       2

Title: IMSL and NAG f90 object files are incompatible

**Problem Id: ECSed01852**

Severity: 2

Title: Problems with networker software

**Problem Id: ECSed01854**

Severity: 4

Title: ClearCase Admin manuals

**Problem Id: ECSed01859**

Severity: 4

Title: Prohibited Func checker flags commented out  
functions

**Problem Id: ECSed01860**

Severity: 2

Title: Hardware errors with jukebox on sprlsgigsfc

**Problem Id: ECSed01861**

Severity: 3

Title: SSIT Manager comparison fails for binary files  
(DR 29)

**Problem Id: ECSed01862**

Severity: 3

Title: Site hardware does not match VDD (DR 43)

## Appendix F. Archive Tapes

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The following magnetic tape is used to archive the delivered baseline configuration of the developed software.

### **904-PR-007-006**

Label: ECS IR1 V1.03 Distribution    Date: May 7, 1996

>>> 5.0gbyte format (high density) <<<

IR1\_CSS\_SGI\_040396.tar.Z

IR1\_INGEST\_SGI\_040496.tar.Z

perl\_050796.tar.Z

All documents ( VDD and User's Guide )

Command to untar tape: tar xvf ##

Command to untar tar file: tar xvf file.tar

where ## = your tape device

You must first uncompress the .Z files

( uncompress IR1\_CSS\_SGI\_040396.tar.Z )