ERRATA NOTICE

EOS Core System (ECS) Project   Contract No. NAS5-60000

July 16, 1998

Document No.:   814-RD-101-001

Title: HDF-EOS 2.2 Version Description Document for the ECS Project

Enclosed please find change pages for the subject document. Please replace the pages as follows:

Remove	Insert
vii and x	vii and x

If you have any questions, please contact our Data Management Office at (301) 925-0509.

Raytheon

RAYTHEON SYSTEMS COMPANY

ADDENDUM NOTICE

EOS Core System (ECS) Project   Contract No. NAS5-60000

July 16, 1998

Document No.:   814-RD-101-001

Title: HDF-EOS 2.2 Version Description Document (VDD) for the ECS Project

Enclosed please find addendum pages for the subject document. Please add the following pages:

<u>Insert</u>

6-1 through 6-4

If you have any questions, please contact our Data Management Office at (301) 925-0509.

Change Information Page

List of Effective Pages	
Page Number	**Issue**
Title	Original
iii through x	Original
1-1 and 1-2	Original
2-1 and 2-2	Original
3-1 through 3-6	Original
4-1 through 4-4	Original
5-1 through 5-4	Original
6-1 through 6-4	Addendum A
A-1 and A-2	Original
B-1 and B-2	Original
C-1 and C-2	Original
AB-1 through AB-5	Original

Document History			
Document Number	**Status/Issue**	**Publication Date**	**CCR Number**
814-RD-101-001	Original	June 17, 1998	98-0347
814-RD-101-001	Addendum A	July 15, 1998	98-0799

This page intentionally left blank.

Contents

Preface

Abstract

1. Introduction

2. Related Documentation

3. Product Description

4. Product Inventory

5. Non-Conformance Status

6. Addendum A: Patch to HDF-EOS 2.3

Appendix A. Build/Installation Instructions

Appendix B. User Feedback Procedures

Appendix C. Test Baseline Configuration

Abbreviations and Acronyms

6. Addendum A: Patch to HDF-EOS 2.3

6.1 Summary of Installed Changes

CCR Number 98-0799 documents the problem fixed with this patch release. The details of the NCR (ECSed 15866) corrected with this patch are provided in section 6.2.

6.1.1 Background information

The problem is that users are unable to set tiling or compression for a specific field. This impacts the Development of the Instrument Team's code for provision to the DAACs.

To set fill values a call is made to the following functions sequentially.

```
GDdefcomp
GDdeftile
GDdeffield
GDsetfillvalue
```

These functions did not work correctly for the fill values.

6.1.2 Files changed

The following file was modified:

   /ecs/hdfeos/src/GDapi.c

Verify the version of the files received by checking the file prolog section (BEGIN_FILE_PROLOG) for an entry, dated June 1998. The entry identifies the NCR and a description of the fix for this patch. A copy of the file prolog is provided for quick reference.

GDapi.c

```
/*-------------------------------------------------------------------------
|
|   BEGIN_PROLOG
|
|
|
|   FUNCTION: GDsettilecomp
|
|
|
|   DESCRIPTION: Sets the tiling/compression parameters for the   specified
|
|                field. This can be called after GDsetfillvalue and assumes
|
|                that the field was defined with no compression/tiling  set
|
```

by GDdeftile or GDdefcomp.

This function replaces the following sequence:

GDdefcomp

GDdeftile

GDdeffield

GDsetfillvalue

with:

GDdeffield

GDsetfillvalue

GDsettilecomp

so that fill values will work correctly.

Return Value	Type	Units	Description
status	intn		return status (0) SUCCEED, (-1) FAIL

INPUTS:

gridID	int32		grid structure ID
fieldname	char		field name
tilerank	int32		number of tiling dimensions
tiledims	int32		tiling dimensions
compcode	int32		compression code
compparm	intn		compression parameters

OUTPUTS:

None

```
|
|
|   NOTES:
|
|
|
|
|
|   Date      Programmer   Description
|
|   ======    ============  =================================================
|
|   Jun 98   MISR         Used GDsetfillvalue as a template and copied
|
|                         tiling/comp portions of GDdeffield.(NCR15866)
|
|
|
|   END_PROLOG
|
-----------------------------------------------------------------------
*/
```

6.2   Closed NCRs

This section provides a summary of the NCRs which have been fixed and released as a patch. The following HDF-EOS NCR has been fixed and is available to the Science Community. This fix occurs in Version 2 Drop 4P Landsat.

The following NCR is closed with this patch:

NCR ID: **ECSed15866**
Title: New Function was added to GDapi.c
Severity: 3

Problem: Unable to set tiling/compression parameters for a specified field.
Resolution: This new function added to /ecs/hdfeos/src/GDapi.c so that with the following calls the fill values will be set correctly:
    GDdeffield
    GDsetfillvalue
    GDsettilecomp

The function developed by MISER, using GDsetfillvalue as a template and copying tiling/comp portions of GDdeffield.

6.3   Open NCRs

None.

This page intentionally left blank.