

IDR RID Report

Date Last Modified 12/7/95

Originator Barbara Putney

Phone No 301-286-7641

Organization GSFC/920.2 - MODIS

E Mail Address barbara.putney@gsfc.nasa.gov

Document IDR Science Data Processing Sizing

RID ID	IDR	14
Review	IDR	
Originator Ref		
Priority	2	

Section

Page

Figure Table

Category Name User and Performance Models

Actionee ECS

Sub Category

Subject Computer requirements into Hardware

Description of Problem or Suggestion:

Translation of MFLOP requirement into SMPs (SGI Power Challenges). Verification of Bones modeling using actual prototyping. Use existing PGEs and evolve to other (more resource oriented) as they become available.

Originator's Recommendation

Verify your implementation of the Bones model using an actual PGE. Use the hardware and software you currently have to recreate as much of the model as is currently possible. For example, only CPU, I/O parts if no archiving, data handling is complete.

GSFC Response by:

GSFC Response Date

HAIS Response by: R. Miller

HAIS Schedule 11/15/95

HAIS R. E. M. Armstrong

HAIS Response Date 12/4/95

ECS agrees that benchmarking at least one of the science algorithms would be useful in order to verify current assumptions about processor efficiency. We are currently evaluating the early availability of Science Data Processing software (PGEs) from the instrument teams. Several of the instrument teams will deliver beta software for Science Software Integration and Test (SSI&T) in mid February; this software may be available for benchmarking by March. This will not be in time to allow benchmarking of the software to support CDR, but could still influence the Release B purchase of processing hardware, which is not scheduled until mid-1996. ECS is continuing to look for ECS science software or other representative software to benchmark in order to accurately size the Science Data Processing hardware requirements.

Status **Closed**

Date Closed **12/7/95**

Sponsor **Daly**

***** Attachment if any *****