

ECS Evaluation Packages

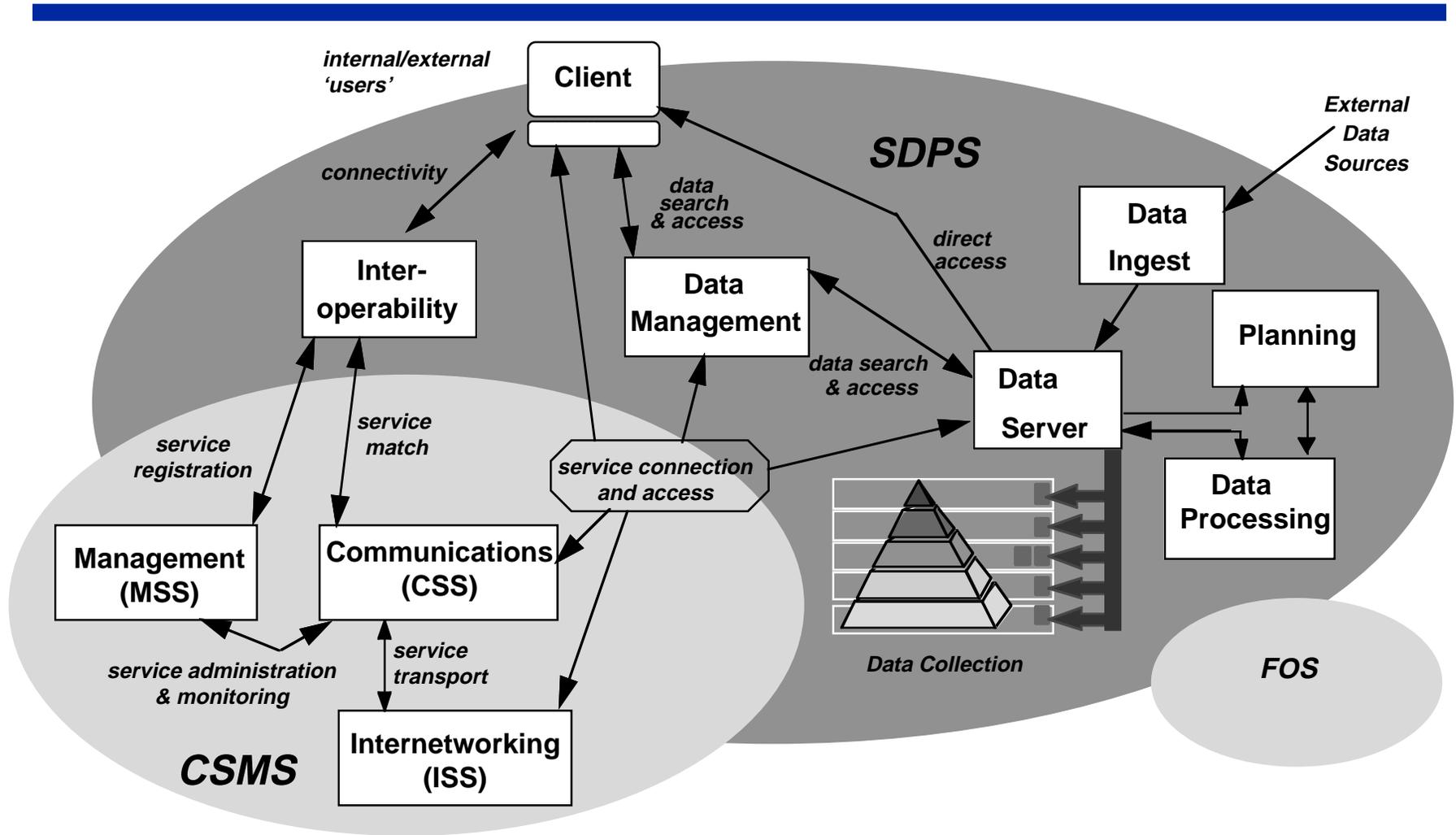
EP4 Evaluation Readiness Review

January 6, 1995

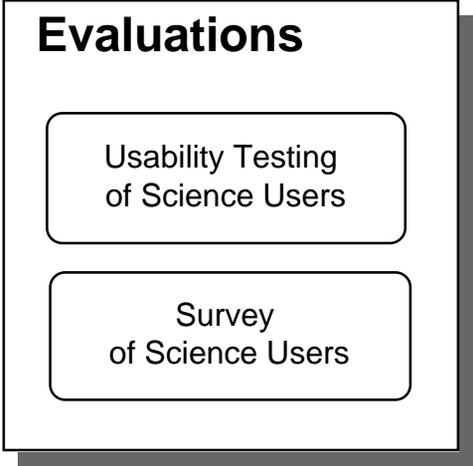
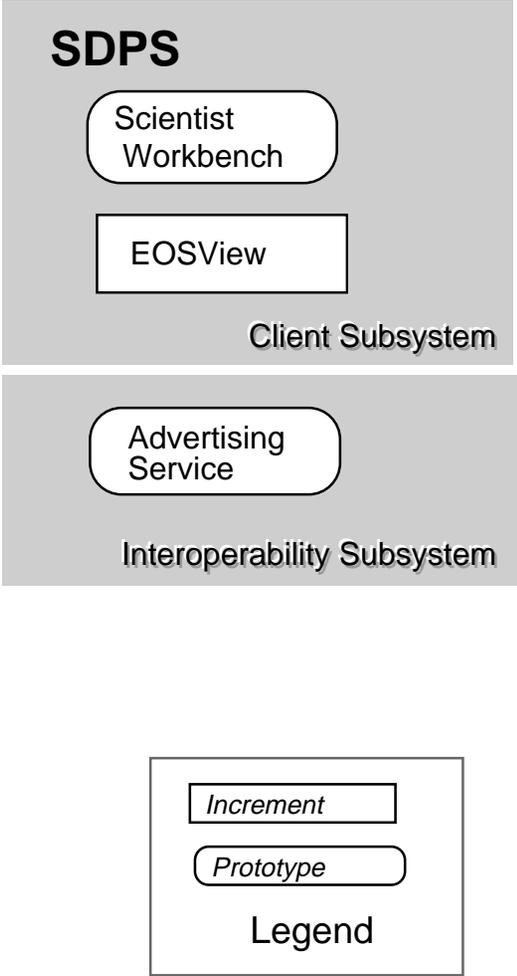
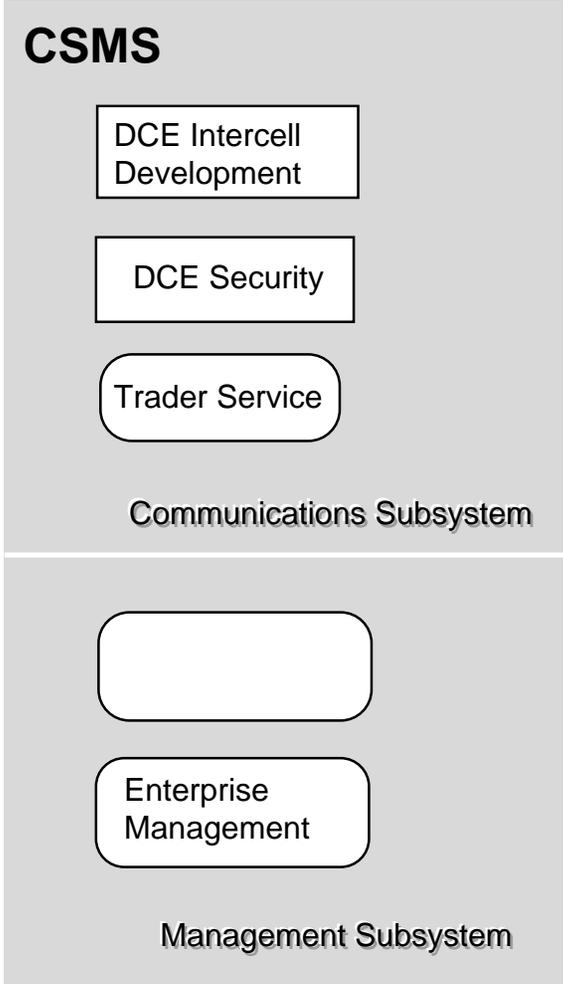
EP4 Evaluation Readiness Review

- **Purpose of EP4 ERR**
 - Review installation and system demonstration
 - Review preparations for Evaluation Period
 - Signal the beginning of the Evaluation Period
- **Agenda**
 - 3:30 EP4 Overview - George Percivall
 - 3:45 EP4 Installations Status - Gil Tadmor
 - 4:00 EP4 Evaluation Plan Update - Jan Poston
 - 4:15 EP4 Evaluation Help Desk and M&O - Al Ward
 - 4:25 EP4 Demonstration Tour - Tom Dopplick
 - 4:50 Wrapup - George Percivall
 - 5:00 Adjourn

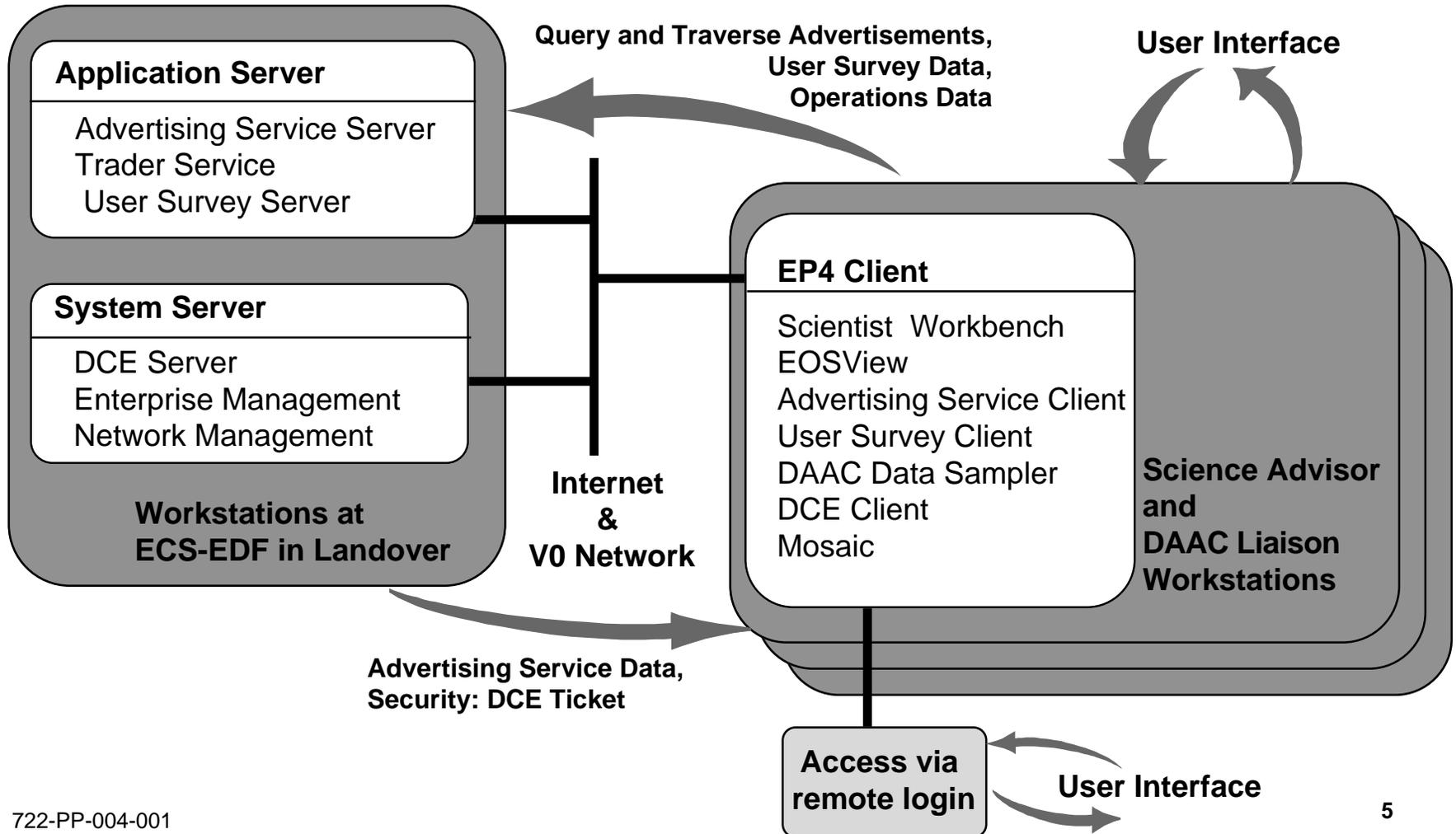
ECS EP Context



Summary of EP4



EP4 Physical Configuration



Evaluation Assistance

- **EP4 Brochure**
 - EP Context
 - Demonstration Tour
 - Contacts for more information
 - UNIX setup
 - Advisories
- **Science User Scripts for Exercising EP4**
 - Detailed script
 - Available on EDHS (<http://edhs1.gsfc.nasa.gov>)
- **On-Line Help**
 - Pull Down Menu on ECS Workbench
 - Context Sensitive
- **EP4 Help Desk**
 - 1-800-ECS-DATA
 - help@eos.hitc.com

Evaluation Readiness Status

- **Non Conformance Report (NCR) Status**
 - Status 1/5: One Severity Level 1 NCR, #442 - IET Server
 - Status 1/6:
 - Complete NCR summary in G. Tadmor presentation
- **Sun Client CSR**
 - Status 1/5: 3 Open NCRs
 - Status 1/6:
- **EP4 Client Installation**
 - EP4 Clients on DAAC liaison workstations ready
 - Clients installation at Tirekickers in Progress
- **Simultaneous Demonstration , 12/28/95**
 - 9 EP4 Clients on DAAC Workstations
 - Simultaneously executed Science User Script

NCR 442: IET Server

- **Description**
 - IET - Interactive Evaluation Tool, aka User Survey
 - More than one request at IET server in < 2 sec. (avg), causes server to crash
 - Observed once during in-house I&T with random server usage
- **Estimate of Occurrence during Evaluation Period**
 - Based on 5 concurrent users, using an M/M/1 Queuing model
 - IET server may crash roughly once per week
 - Most requests nothing would be lost
 - If user survey data was being saved it would be lost
- **Investigation Status, 1/6:**
- **Work Around if Not Resolved**
 - Automated monitoring and alarm of servers with operations response
 - Staggering of DAAC Evaluations:
 - Eastern Time Zone DAACs evaluate in a.m.
 - All other DAACs evaluate in p.m.

EP4 Deployment and Evaluation Schedule

	January	February
<ul style="list-style-type: none"> •EP Evaluation Readiness Review •Science Advisor Installation <ul style="list-style-type: none"> - Installed remotely by ECS EP I&T •Independent Evaluations Response via Survey •Usability Testing SDPS PDR PDR Wrap-up 	<p>1/6</p> <p>-----</p> <p>1/9 -----</p>	<p>----- 2/28</p> <p>2/13 - 17</p> <p>2/22</p>

EP4 Installation Status

**Gil Tadmor
CSMS**

EP4 ERR

January 6, 1995

Overview

- **NCR Status**
- **Operational System Test**
- **DAAC Liaison “Functional Walkthrough”**
- **Installations DAACs Summary**
- **Installation Plan for Science Advisors**

NCR Status

Unresolved Problems

Report Date: 1/5/95 11:00

Severity 1	1
Severity 2	2
Severity 3	4
Severity 4	0
Severity 5	0
<hr/>	
TOTAL	7

NCR No.	Priority	State	Platform	Description / Status
442	1	Open	All	IET Server fails when at least two requests arrive at server simultaneously
541	3	Assigned	SUN	Service icons retrieved from advertising server have labels overlaying icon
540	3	Open	HP	EP4 Client won't startup when Mosaic and/or Netscape are running on host
539	2	Resolved	All	EOSView occasionally points to user's home directory during "File Open". This problem is not reproducible . Users should verify env. variable settings.
465	2	Open / Resolved	SUN	EP4 crashes when any two selections are made from the "Tools" menu. This problem has been resolved by not calling the hislog API on SUN. <i>Awaiting release of new Clearcase version for verification.</i>
480	3	Open / Resolved	SUN	IET Client does not execute on SUN. This problem has been resolved by not displaying to IBM or SGI rlogin hosts. <i>Awaiting release of new Clearcase version for verification.</i>
500	3	Open / Resolved	SUN	IET Client does not display questions when selected. This problem has been resolved . <i>Awaiting release of new Clearcase version for verification.</i>

Operational System Test

- **EP4 Client DAAC installations**
 - completed with 12/30 version
 - see following table for DAAC specific status
- **Individual DAAC verifications**
 - Conducted operational tests and DAAC Liaison walkthroughs (12/19-27/94)
- **Simultaneous Test on 12/28 included the following DAAC liaisons:**

- GSFC	Carolyn Whitaker
- LaRC	Dan Chrismen
- ASF	Ellen Chilikas
- NSIDC	Marilyn Kaminski
- JPL	Don Merritt
- MSFC	Danny Hardin
- EDC	Saud Amer

**Utilized the EP4
Science User Script**

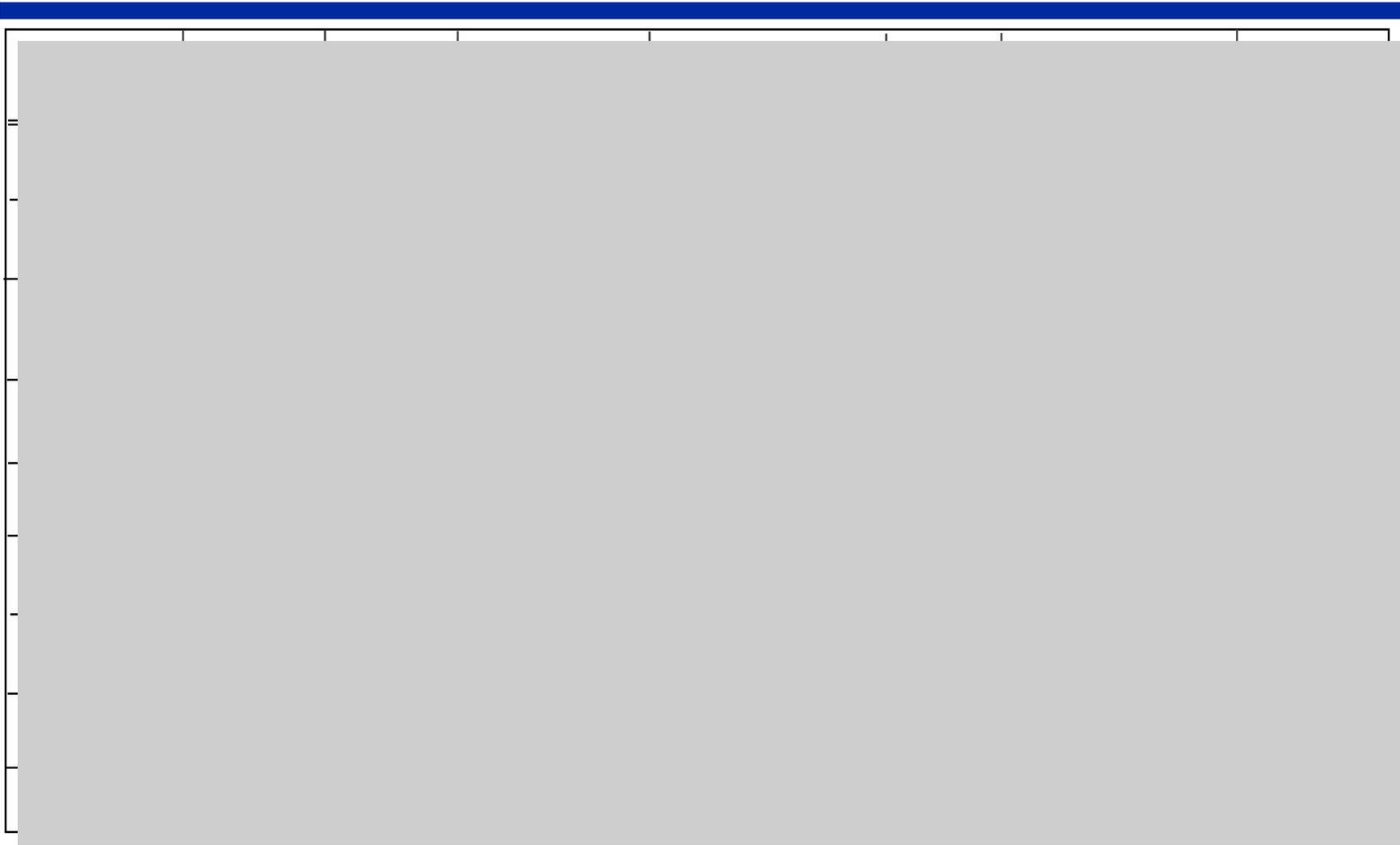
Operational System Test (cont'd)

- **Issues raised during the 12/28 telecon walkthrough:**
 - proper host configuration (directory and file permissions)
 - proper user setup and login (.cshrc, .login, environment variables)
- **Problems found during the 12/28 telecon walkthrough:**
 - IET Server instability (see NCR #442)
 - EOSView occasionally pointing to user's home directory as opposed to ../data/images (see NCR #539)
 - EP4 Workbench won't startup with Mosaic and/or Netscape running on host (see NCR #540)
 - Other miscellaneous:
 - existence of text and readme files (in image directories) that can not be displayed via EOSView
 - differences in "Close" and "Exit" for Motif based applications
 - editorial changes to EP4 Exploration script

Installation Plan - DAACs

DAAC	Hostname	Host Type	IP Address	DAAC POC	I&T POC Dates	EP4 Client Version	Comments
ASF	Trouble Borealis	HP DEC	137.229.37.51 137.229.37.52	Ellen Chilikas (907) 474-7329	JY / DW	12/30 12/30	/disk2/src/EP4 /disk2/src/EP4
EDC	ECS-HP1 ECS-ALPHA1	HP DEC	152.61.192.99 152.61.192.100	John Daucsavage (605) 594-6816 Saud Amer (605) 594-6864	DK / KM	12/30 12/30	/disk2/src/EP4 /disk2/src/EP4
EDF	edf-bb epserver	HP HP	192.150.28.18 192.150.28.17	HTSC	GT / DK	12/30 12/30	/src/EP4
GSFC	ECSGSFC1 ECS-GLOBAL	HP DEC	128.183.118.44 128.183.118.45	Carolyn Whitaker (301) 286-3997 A.K. Sharma (301) 286-2709	LC / DW	12/30 12/30	/disk2/src/EP4 /disk2/src/EP4
JPL	Wave Searider <i>(Don't display to IBM/SGI)</i>	HP SUN	137.79.108.188 137.78.32.82	Don Merritt (818) 306-6061 Glenn Shirliff (818) 354-4527	TC / DW	12/30 12/30	/disk2/src/EP4 /jpl/src/EP4
LaRC	ECS	HP	192.107.191.24	Dan Chrisman (804) 864-8889	KM / DW	12/30	/disk2/src/EP4
MSFC	Hydra Meteor	HP DEC	198.116.56.111 198.116.56.112	Danny Hardin (205) 922-5804	LC / MM	12/30 ---	/disk2/src/EP4 Insuff. Disk Space
NSIDC	Snowfall	HP	128.138.135.40	Marilyn Kaminski (303) 492-1477	MM / DW	12/30	/disk2/src/EP4

Installation Plan - Sc. Advisors



EP4 Evaluation Help Desk and M&O

**Al Ward
HTSC**

EP4 ERR

January 6, 1995

Help Desk for EP4

- **Two Ways to Contact Help Desk**
 - 1-800-ECS-DATA
 - help@eos.hitc.com
- **Help Desk Hours: M-F 8-6**
 - After Hours On-Call Pager Notification
- **Help Desk is First Line of EP Support**
 - Trouble Ticket for Unresolved Issues

Help Desk Support

- **First Line of Support**
 - **Frequently Asked Questions (FAQ)**
 - **User Account Information**
 - **DCE Accounts**
 - **Client Host Information**
 - **Server Status**
- **Referral to EP4 Procedures on EDHS**
 - **<http://edhs1.gsfc.nasa.gov>**
- **Trouble Ticket Procedures**
 - **Reference Number**
 - **Referral to Specific EP Personnel**
 - **Problem Resolution Notification**

M&O for EP4 Evaluation Period

- **Operations via HP OpenView**
 - EDF Server Status
 - Remote DAAC EP4 Systems
 - DCE Functionality
 - Specific EP4 Server Processes
- **Maintenance of Software**
 - NCRs for Unresolved Trouble Tickets
 - Developers Responsibility to Close NCRs
- **Maintenance of Hardware**
 - HTSC and DAAC Liaisons
 - Backups of EP Systems

EP4 Evaluation Plan Update

**Jan Poston
SI&P**

EP4 ERR

January 6, 1995

Key Terms

- **Usability Participants** are those who represent, or who are in fact, potential end users of the ECS. They will evaluate the EP4 during usability test sessions.
- **Independent Evaluators** are those who represent, or who are in fact, potential end users of the ECS. They will access EP4 at their own convenience, using their own resources, in an uncontrolled, or independent environment.
- **Evaluation Period** will start on January 9th and continue to February 28th.
- **Demonstration Scripts** are pre-recorded commands linked together in a script format that allows simple and complex commands to be executed on the EP4 system and run as a demonstration

Usability Test

- **Usability Test Packet has been written and tested.**
- **The Overview Demonstration Script is complete and lasts approximately 10 minutes.**
- **The Usability Test will probably take between 50 to 75 minutes depending upon the number of comments made, and questions asked by the Test Participants.**

Test Environment

- **A room has been selected for the usability tests.**
- **A CCR has been submitted for the use of a dedicated workstation.**

IET/User Survey

- The procedure for downloading and re-formatting the User Survey data has been compiled and tested.
- Data will be downloaded every Monday morning at 8.00am during the course of the Evaluation Period
- The data analysis procedure has been designed and is undergoing testing.

Sample IET Data Download

Independent Evaluator

<u>Name</u>	<u>Quest</u>	<u>Score</u>	<u>Date</u>	<u>Time</u>	<u>Comments</u>
tcollins	24	1	Dec 23 1994	2:47:00PM	I really like the way the zoom
tcollins	25	1	Dec 23 1994	2:47:00PM	and panning on EOSView.
tcollins	26	1	Dec 23 1994	2:47:00PM	
tcollins	27	1	Dec 23 1994	2:47:00PM	
tcollins	24	2	Dec 28 1994	9:11:00AM	I really like the way the zoom
tcollins	25	5	Dec 28 1994	9:11:00AM	and panning on EOSView.
tcollins	26	2	Dec 28 1994	9:11:00AM	Access to the RRDB through EP4
tcollins	27	2	Dec 28 1994	9:11:00AM	is a useful feature.

Guest Evaluator

<u>Name</u>	<u>Quest</u>	<u>Score</u>	<u>Date</u>	<u>Time</u>	<u>Comments</u>
guest26	24	5	Dec 22 1994	10:27:00AM	I liked the icons used in the
guest26	25	5	Dec 22 1994	10:27:00AM	Advertising Service for
guest26	26	3	Dec 22 1994	10:27:00AM	subsetting, the scissors are
guest26	27	4	Dec 22 1994	10:27:00AM	clever.
guest45	24	2	Dec 27 1994	2:38:00PM	The drag and drop feature for
guest45	25	2	Dec 27 1994	2:38:00PM	moving services from the Adv.
guest45	26	2	Dec 27 1994	2:38:00PM	Service, and for starting
guest45	27	2	Dec 27 1994	2:38:00PM	EOSView was nice.

EP4 Independent Evaluators (pg 1 of 5)

Evaluator Name	EP 4 Client Site	EOS/DAAC Role	DCE/Sybase/Unix Name (same for all if one name)
Peter Evans	Univ of Miami	EP Tirekicker, DEC Alpha OSF/1 V3.0	pevans
Sundar Christopher	EDC	EP Tirekicker, remote login,	schristo
Nigel Hinds	Univ Of MI	EP Tirekicker, Sun Solaris 2.3	nhinds
Dave Emmitt	Univ of VA	EP Tirekicker, HP UX version 9.05	demmitt
(additional D. Emmitt evaluators)	Univ of VA	(additional evaluators to be identified in January 1995)	
Mary James	GSFC DAAC	EP Tirekicker, remote login	mjames
Liz Smith	LaRC DAAC	EP Tirekicker, remote login	lsmith
Dan Baldwin	Univ CO	EP Tirekicker, DEC Alpha OSF/1 V3.0	baldwin (note no 'd')

EP4 Independent Evaluators (pg 2 of 5)

Evaluator Name	EP 4 Client Site	EOS/DAAC Role	DCE/Sybase/Unix Name (same for all if one name)
Elaine Dobinson	JPL	Assistant DAAC Manager	erd
Tom Antczak	JPL	Version 0 - Version 1 Transition Systems Engineer	antczak
Mike Kolar	JPL	IMS Development	mmk
Susan Digby	JPL	PODAAC User Services Office	sdigby
Greta Reynolds	ASF	User Services	greynolds
Nettie LaBelle-Hamer	ASF	User Services	nettie
Michelle Barr	ASF	User Services	mbarr
Norm Cushing	ASF	V0 development	ncushing
Tracy Zeiler	ASF	V0 development + a Design WG member	tzeiler
Lyn McNutt	ASF	ASF Chief Scientist	lyn
Rob Wade	ASF	an ASF scientist	rwade
Tom George	ASF	ASF DAAC manager	tgeorge
Ruth Duerr	ASF	ASF Special Assistant and Design WG member	rduerr
Helen Conover	MSFC	V0 IMS Developer	hconover
Marilyn Drewry	MSFC	V0 IMS Developer	mdrewry
Bruce Beaumont	MSFC	SW Development	bbeaumon
Janice Tillman	MSFC	User Services	jtillman
Tim Blanton	MSFC	System Engineering	tblanton

EP4 Independent Evaluators (pg 3 of 5)

Evaluator Name	EP4 Client Site	EOS/DAAC Role	DCE/Sybase/Unix Name (same for all if one name)
James B. Frenzer	LaRC	LaRC DAAC CSC lead	j.b.frenzer
Jeff I. Cleveland III	LaRC	IMS lead developer	jclevela
Lise D. Maring	LaRC	User Services	l.d.maring
Susan E. Sorlie	LaRC	User Services	ssorlie
Christopher J. Harris	LaRC	Systems Engineering	c.j.harris
Lucy. L. Lee	LaRC	Systems Engineering	lllee (note extra 'l')
P. Kay Costulis	LaRC	CERES developer	pcostuli
Paul Bailey	LaRC	NCAR/MOPITT	pbailey
Alison Walke	LaRC	NASA Goddard Institute for Space Studies, NYC	awalke
Donna Vulcan	LaRC	South Dakota School of Mines and Technology	dvulcan
Cheryl Craig	LaRC	NCAR/MOPITT	ccraig
Chuck Spaur	LaRC	NCAR/MOPITT	cspaur
Dan Packman	LaRC	NCAR/MOPITT	dpackman
George Mandler	NSIDC		george
Michelle Holm	NSIDC	User Services	holm
Koni Steffen	NSIDC	Chairman of the PoDAG	ksteffen
Karen Robinson	NSIDC		krobinso

EP4 Independent Evaluators (pg 4 of 5)

Evaluator Name	EP4 Client Site	EOS/DAAC Role	DCE/Sybase/Unix Name (same for all if one name)
Sheri Fick	EDC	Software Development	sfick
Laura Huewe	EDC	Software Engineer	lhuewe
Dana Larson	EDC	Data Management	dlarson
Chuck Larson	EDC	Data Production	clarson
Steve Johnson	EDC	User Service	sjohnson
Ron Lietzow	EDC	DSB-ISD-ISM	lietzow (not no 'r')
Tom Kalvelage	EDC	CSB	tkalvela
Bryan Bailey	EDC	LPDAAC Science Advisory Panel Co-chair,EDC DAAC Scientist	bbailey
Kevin Larson	EDC	SAB	klarson
Chris Justice	GSFC	LPDAAC Science Advisory Panel Member	cjustice
Robin Bell	GSFC	GDAAC Scientist, Educational Initiative	rbell
Dan Ziskin	GSFC	GDAAC Scientist, Data Support	dziskin
Warren Wiscombe	GSFC	GDAAC Project Scientist	wwiscomb
Chris Lynnes	GSFC	GDAAC Chief Engineer	clynnes
Bruce Vollmer	GSFC	Alg I&T/Data Support Specialist	bvollmer
George Serafino	GSFC	GDAAC Data Support Manager	gserafin
Jim Closs	GSFC	Manager user services	jcloss
Wayne Higgins	GSFC	Data Assimilation Office	whiggins

EP4 Independent Evaluators (pg 5 of 5)

Evaluator Name	EP4 Client Site	EOS/DAAC Role	DCE/Sybase/Unix Name (same for all if one name)
Marti Szczur	ESDIS		mszczur
Debbie Blake	ESDIS		dblake
Dan Marinelli	ESDIS		dmarinel
John Berbert	ESDIS		jberbert
Greg Hunolt	ESDIS		ghunolt
Curt Schroeder	ESDIS		cschroed
Ed Lewis	ESDIS		elewis
Gail McConaughy	ESDIS		gmcconau
Sol Broder	ESDIS		sbroder
Ken McDonald	ESDIS		kmcdonal
David Han	ESDIS		dhan
Mike Moore	ESDIS		mmoore
Ellen Herring	ESDIS		eherring
Robin Pfister	ESDIS		rpfister

EP4 Demonstration Tour

**Tom Dopplick
Science Office**

EP4 ERR

January 6, 1995

EP4 Demonstration Tour

- **Walkthrough of EP4 Brochure**
 - **Preview of EP4 features and Screen Layouts**
 - **Highlight specific examples**
- **We ask that you limit questions to clarification**
- **Please enter your comments in on line User Survey**