

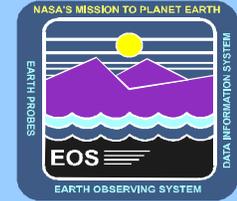
Client Subsystem (CLS)

Keith Bryant

4-5 June 1997



Agenda



ECS Context

Subsystem Overview

CLS Architecture

CLS Tools

Functional Flows

Search

Service - Browse

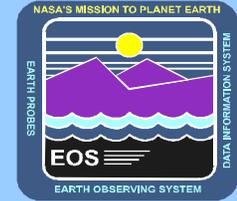
Order

VO IMS

Summary



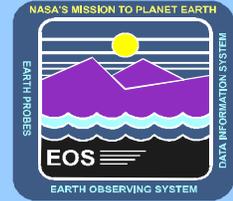
CLS Subsystem Overview



- ◆ **Allow science end user to easily access ECS data and services**
 - **Search all levels of accessible data such as**
 - **ECS advertisements**
 - **All documents related to data (e.g., collection guide)**
 - **L0 - L4 products**
 - **Browse data**
 - **Production history**
 - **Delivered algorithm packages**
 - **Obtain services on data such as browse and subsetting**
 - **Order or acquire desired data (a specialized type of service on data)**



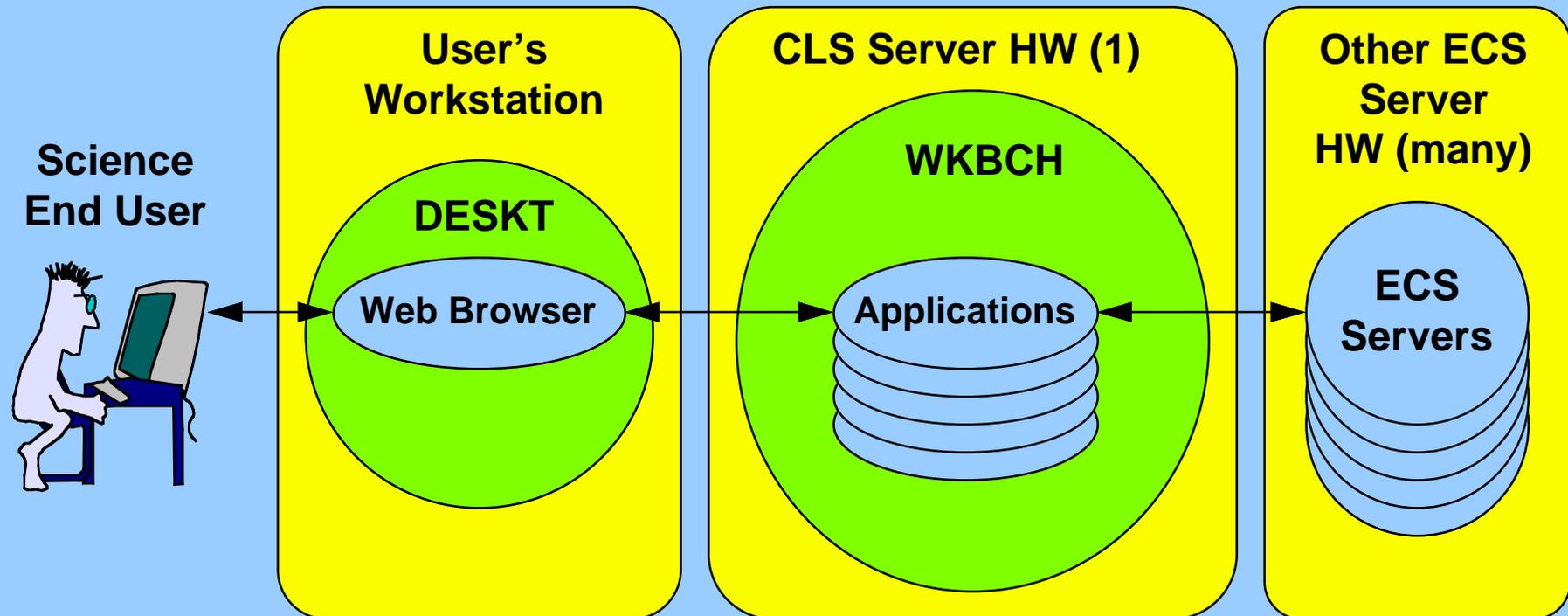
CLS Architecture - Components



- ◆ **CLS consists of two Software CIs:**
 - **DESKT - Desktop**
 - **WKBCH - Workbench**
- ◆ **Desktop is a container widget which manages applications through iconic and hierarchical representation (basic file management tool).**
- ◆ **The Workbench contains all of the CLS tools/ applications -**
 - **Web apps - Data Dictionary, Comment/Survey, Document Search, User Registration/Profile**
 - **Java app - Java Earth Science Tool, Subscription Tool, Session Management Tool**
 - **Motif apps - Data Acquisition Request**



CLS Architecture - Components

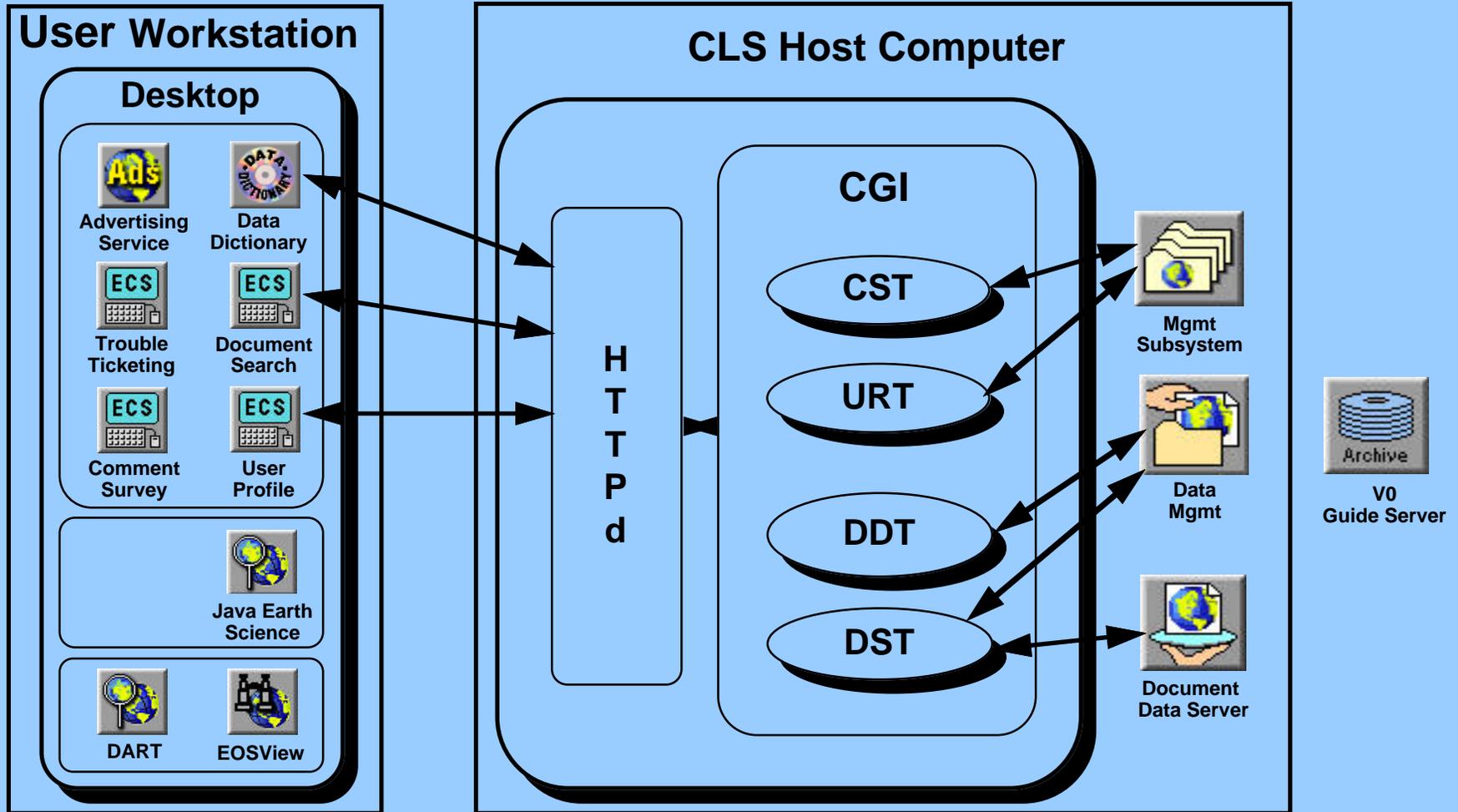


◆ Rel B Design

- X/Motif Desktop replaced with Web Browser
- Applications on primarily on server side
- Java loaded from server into Web Browser
- Future Java apps will run local to workstation

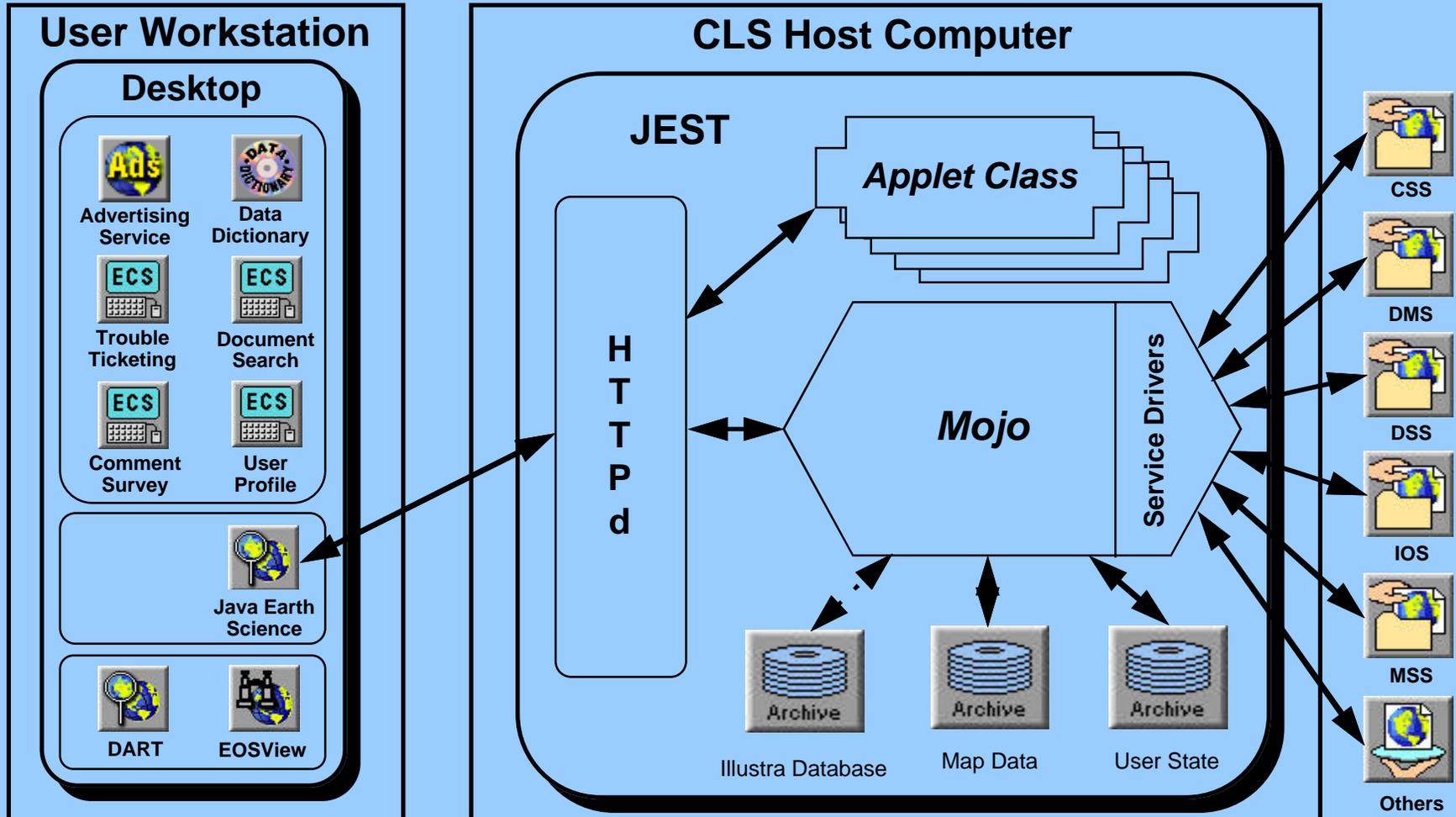


CLS Architecture - Web Apps



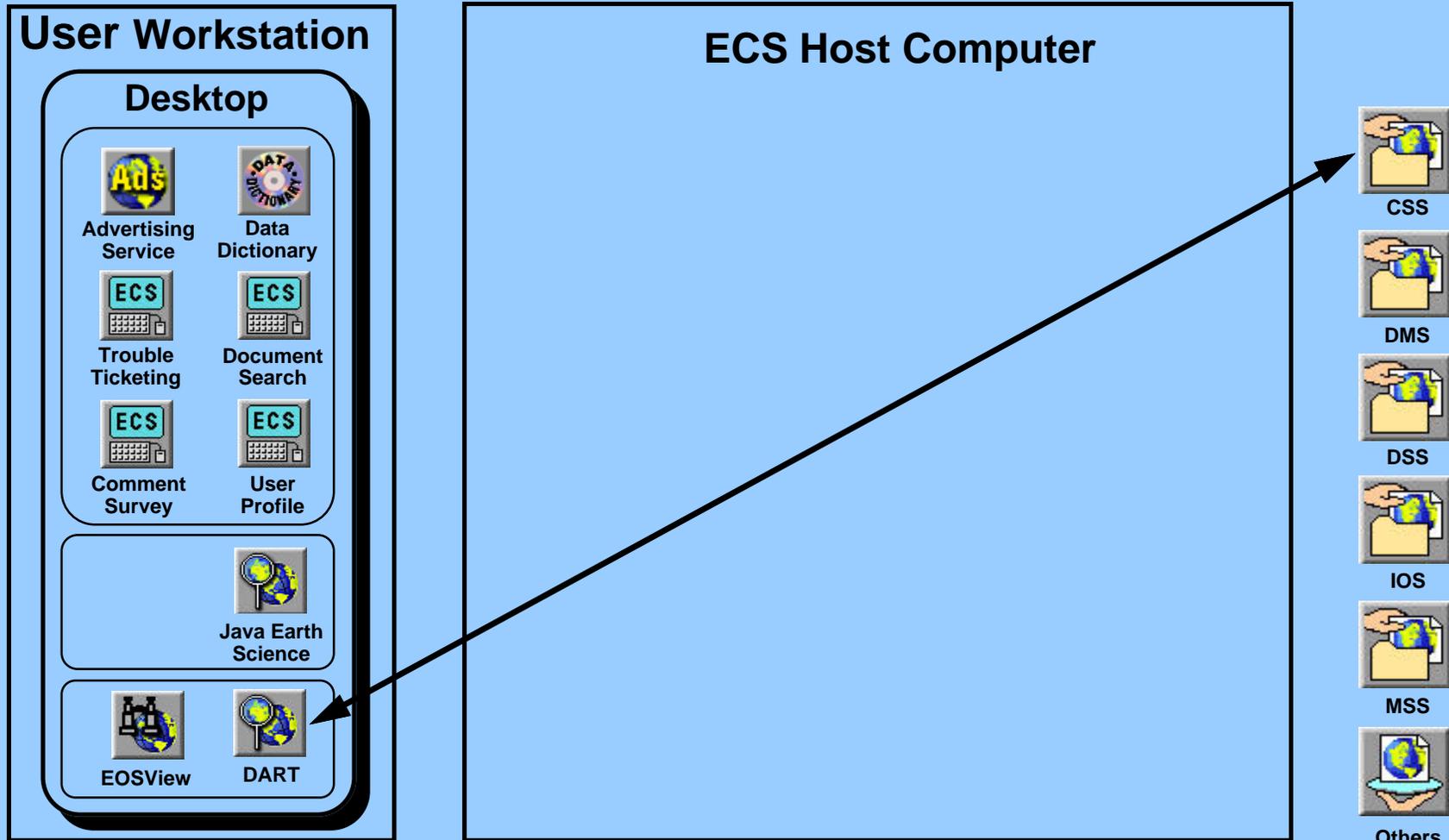


CLS Architecture - JEST (Java)



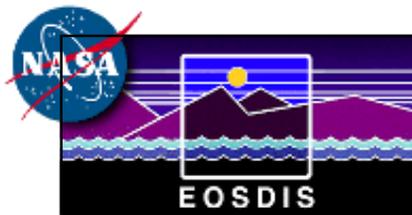
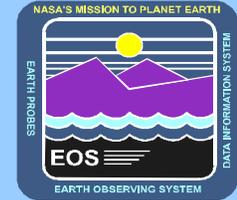


CLS Architecture - DAR (Motif App)





CLS Tools - Home Page



EOSDIS Home Page

Register

Log in to ECS

Comprehensive Overview

Tool Descriptions and Access

About the Data

Software Requirements

Links to DAACs

Related Links

Help

Welcome to NASA's Earth Observing System Data and Information System (EOSDIS) tools Home Page. This is part of NASA's Mission to Planet Earth. This system provides access to earth science data available within EOSDIS and links to data available around the world.

Buttons on the navigation bar link to more information about EOSDIS including earth science data available through this system, links to earth science documents, tools for accessing and ordering data, and links for exchanging information with other researchers...

- ◆ Collaboration with IOS
- ◆ First point-of-contact for users
- ◆ Provides supporting information to educate user
- ◆ Allows direct access to login or registration and streamlined access to tools
- ◆ Provides search function for advertised data



CLS Tools - User Registration/Profile Tool (UR/PT)



ECS User Registration

Introduction

Required Information

Applicant's Information

First Name	<input type="text"/>	Last Name	<input type="text"/>
Organization	<input type="text"/>	Address	<input type="text"/>
Institution			
Government (Federal/Research)		Government (Other)	
University/Scientific Research		Industry (Private/Not For Profit)	
Commercial		IC-50	
Other			
Request Access			
ECS Government Team		<input type="text"/>	
ECS Other Information Requester		<input type="text"/>	
Special Request		<input type="text"/>	

Mailing Address

City State Zip

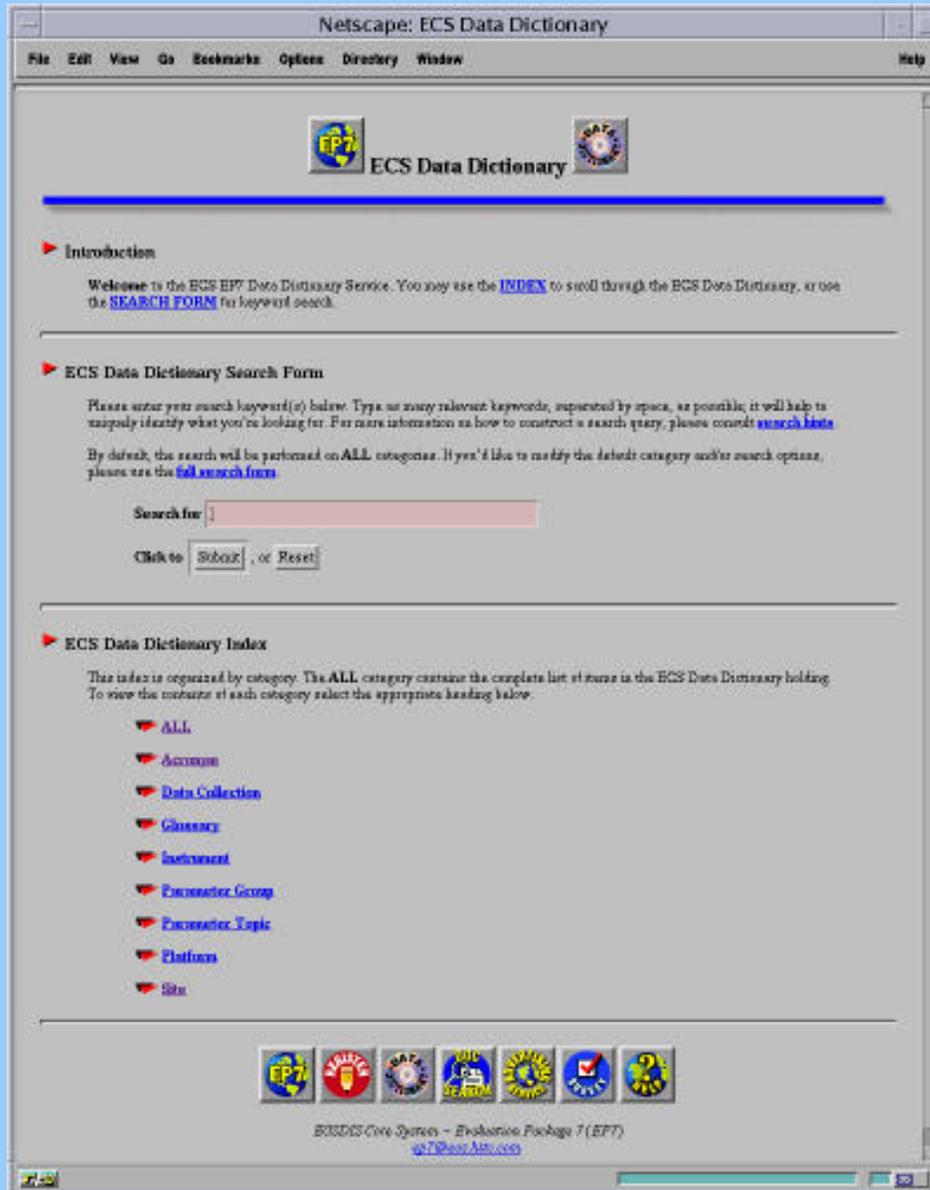
Country

City

- ◆ HTML Tool
- ◆ Supports user account request creation
- ◆ A variation of this tool supports updates to user's profile
- ◆ Interfaces with MSS to maintain information:
 - Name
 - E-mail
 - Affiliation
 - Requested Access
 - Mailing address



CLS Tools - Data Dictionary Tool (DDT)



- ◆ HTML Tool
- ◆ Search the DMS Data Dictionary Service (DDICT)
- ◆ Attribute definitions (e.g., how is brightness temperature defined)
- ◆ Attribute descriptions (e.g., what are the characteristics of this satellite)
- ◆ Associations between attributes
- ◆ Navigation to associated guide docs
- ◆ Glossary of ECS terms
- ◆ Acronym List
- ◆ List of aliases for attributes (e.g., rain is an alias for precipitation)



CLS Tools - Document Search Tool (DST)



Netscape: ECS Document Search

File Edit View Go Bookmarks Options Directory Window Help

ECS Document Search

Introduction

Welcome to the ECS EP1 Document Search Service. You may use the [SEARCH FORM](#) to search for documents using keywords.

ECS Document Search Form

Please select keywords from the categories below. Select as many keywords from as many categories as you wish. For more information on how to construct a search query, please consult [search.html](#).

ECS Document Search Options:

Collection

- AVHRR 1km Polar Archive
- AVHRR Dataset for the Arctic Leads ARI
- AVHRR LAC HRPT
- AVHRR Pathfinder Land 10 Day Mosaic

Instrument

- AVHRR
- EPBS

Platform

- EPBS
- NOAA
- NOAA10
- NOAA11

Parameter

- Albedo
- Brightness Temperature
- Clouds
- Incidence

Click to or

EOS/DS Core System - Evaluation Package 1 (EP1)
ep1@sear.llnwd.com

- ◆ HTML Tool
- ◆ Interfaces with DMS (DIM/LIM) to send searches to the Document Data Server (DDSRV)
- ◆ Supports keyword searches for documents
- ◆ Searches for all types of ECS documents (e.g., guide, reference papers, journal articles, etc.)
- ◆ Available documents are selected via hyperlink from the search results page



CLS Tools - DST



Netscape: DATASET DEFINITION

File Edit View Go Bookmarks Options Directory Window Help

Location: [file:/home/kbryant/avhrr_dataset_document.html]

AVHRR – LAC HRPT Dataset Document

Abstract:

The Advanced Very High Resolution Radiometer (AVHRR) is a broad-band, 4 or 5 channel (depending on the model) scanner, sensing in the visible, near-infrared, and thermal infrared portions of the [electromagnetic spectrum](#). This sensor is carried on NOAA's Polar Orbiting Environmental Satellites ([POES](#)), beginning with [TIROS-N](#) in 1978.

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1. Document Information:

Revision Date:

10/15/90

Review Date:

10/15/90

2. Investigators:

◆ Guide search results and sample guide document