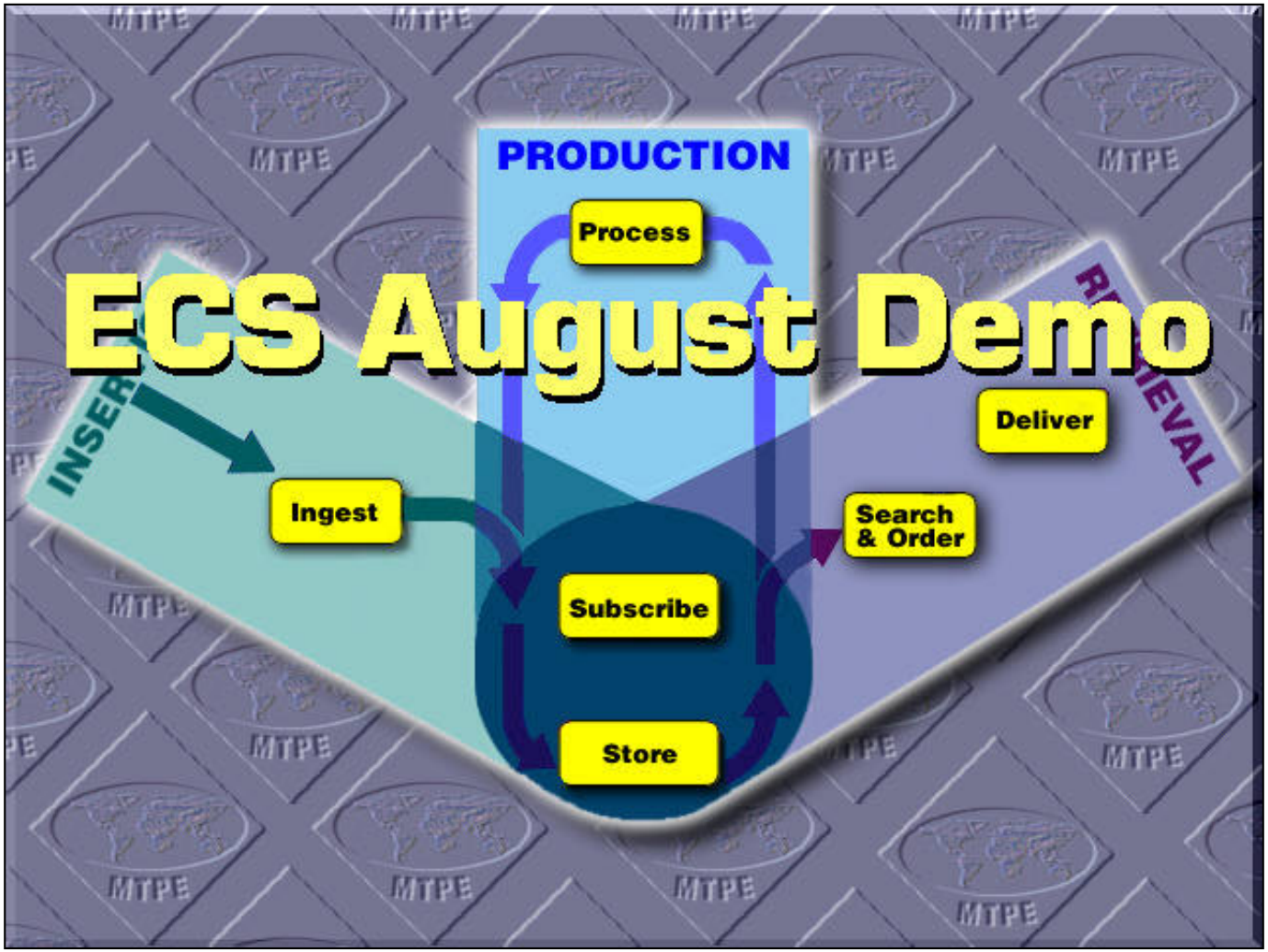
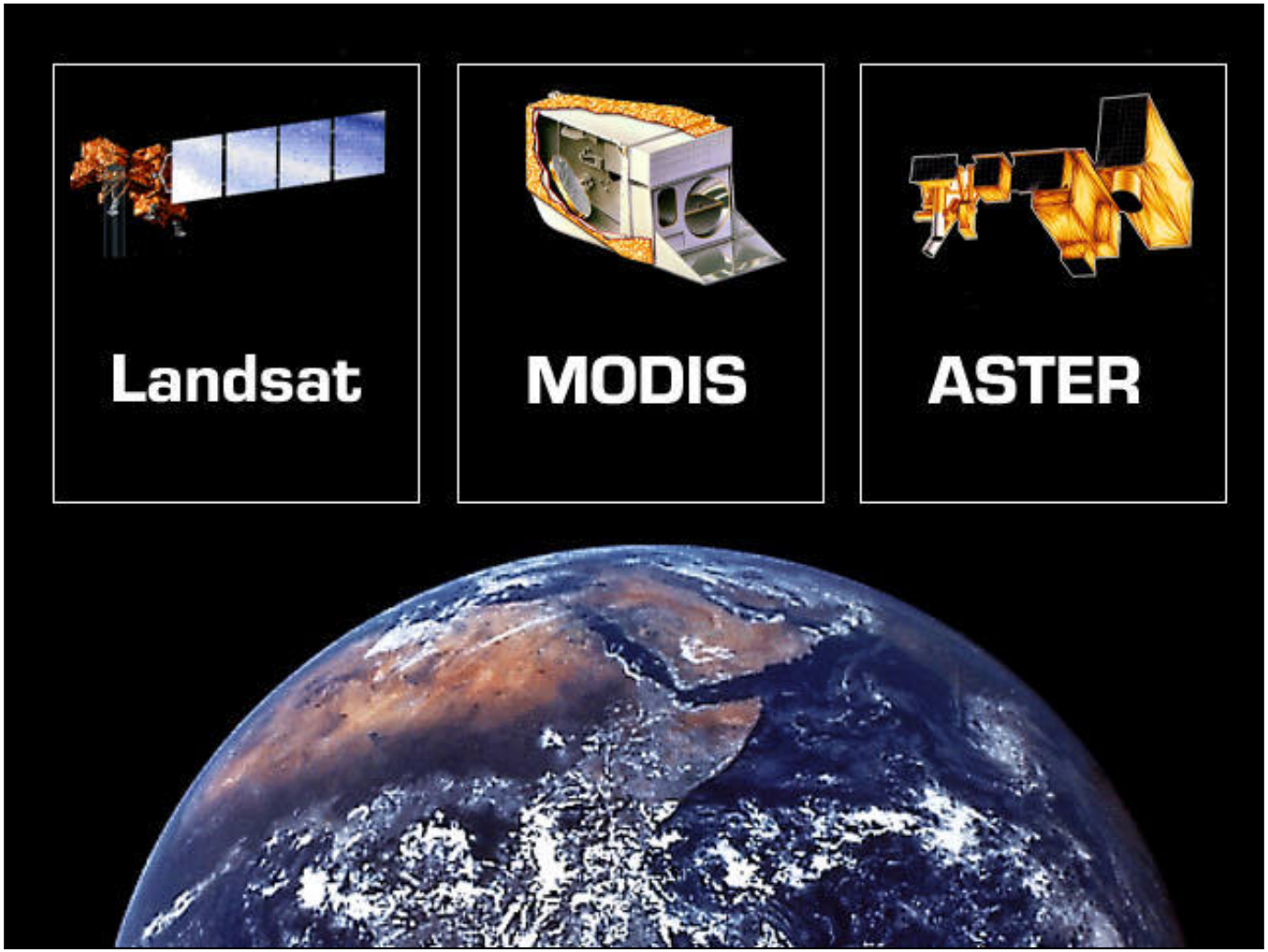
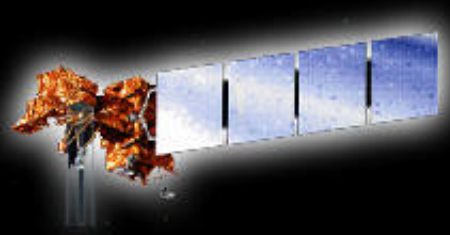

PRODUCTION
Process
ECS August Demo
INSER
RIEVAL
Deliver
Ingest
Search
& Order
Subscribe
Store


Landsat
MODIS
ASTER



Start

LANDSAT

1 Data Insertion

2 Data Access

Landsat Goals

- Directory Search
- User Registration
- Data Ingest
- Standing Orders (media)
- Access to WRS Scenes (fixed scene subsetting)
- Viewing Order Status

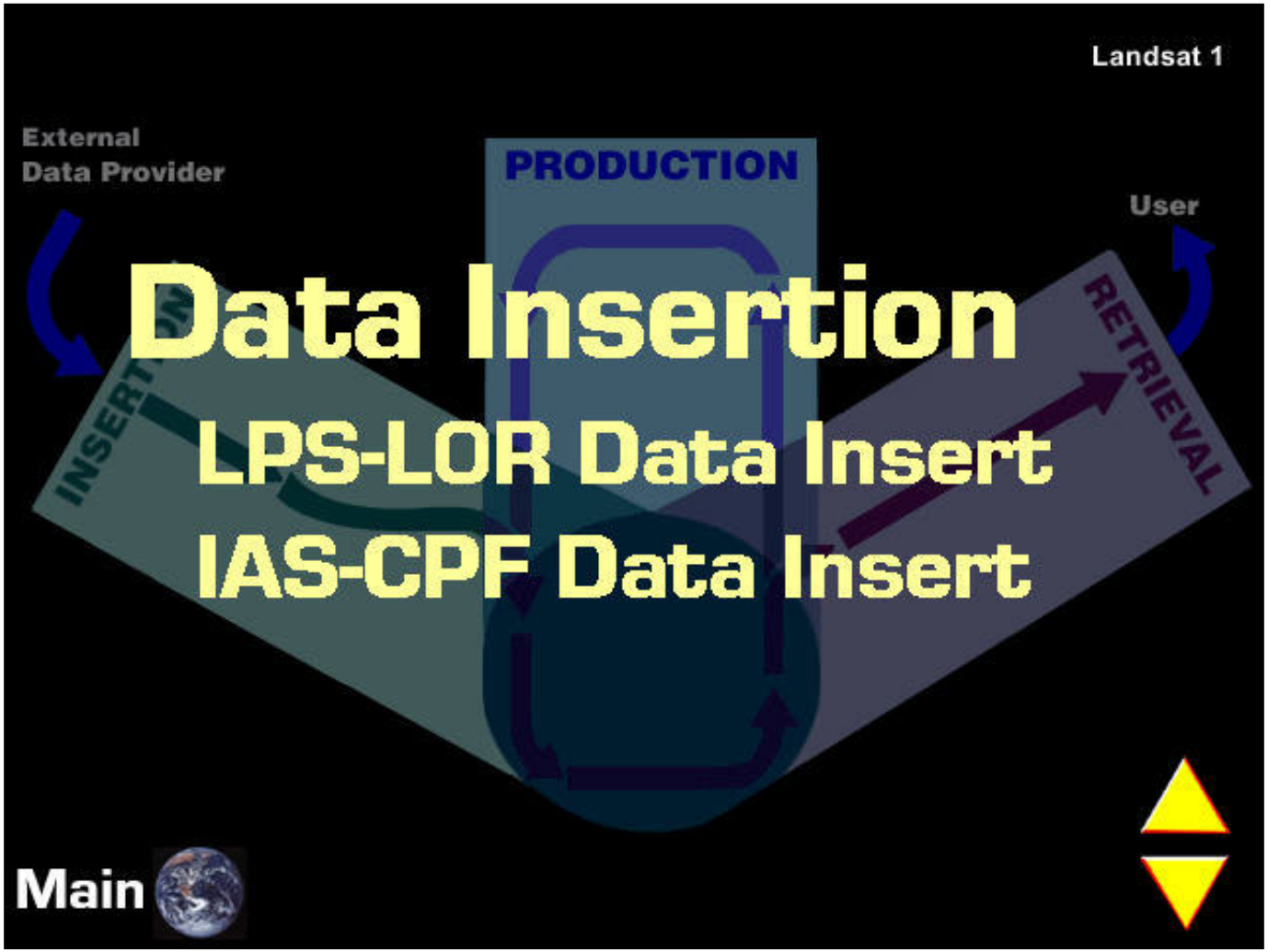
Landsat Preconditions

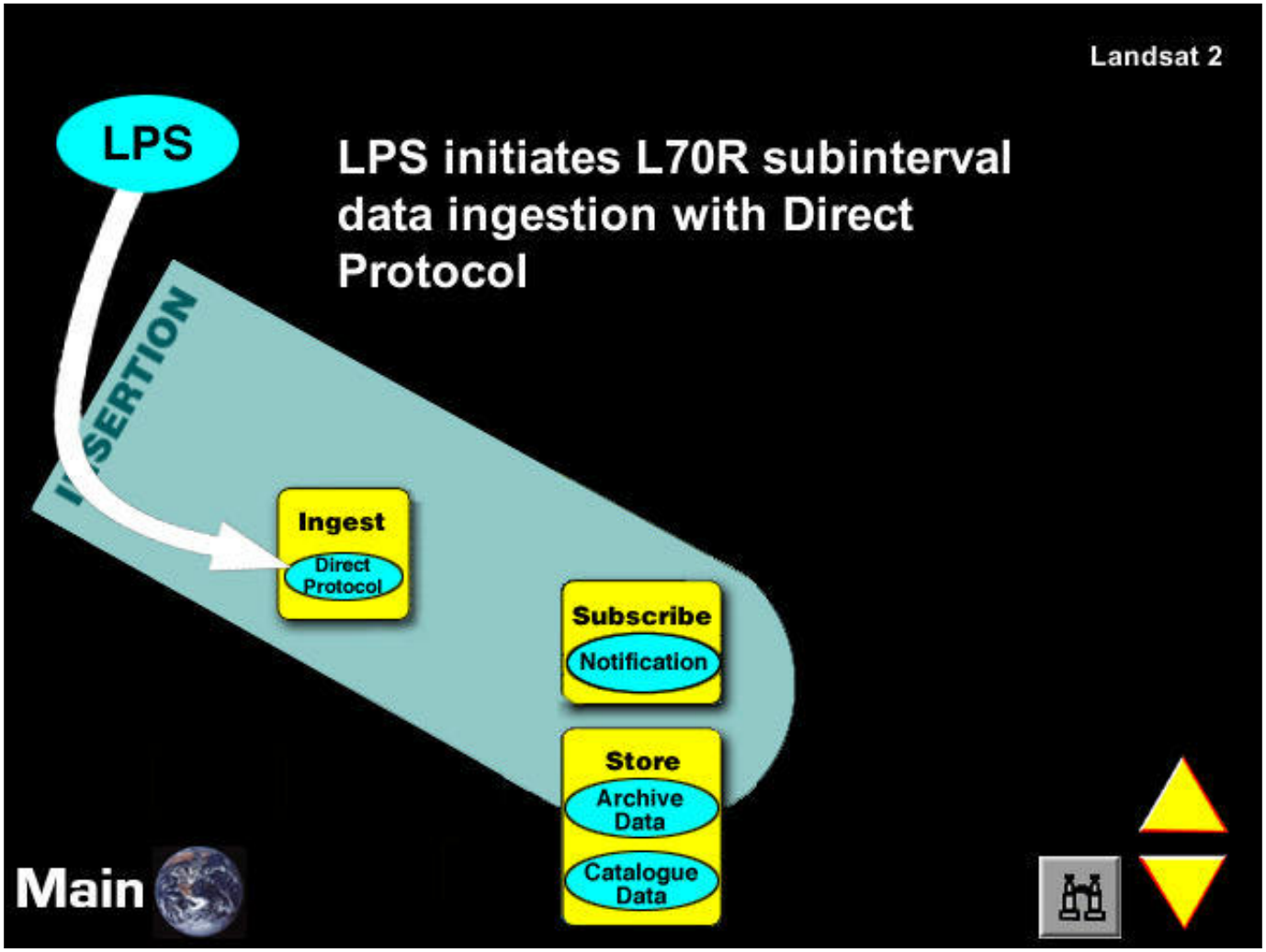
Landsat ESDTs inserted into ECS

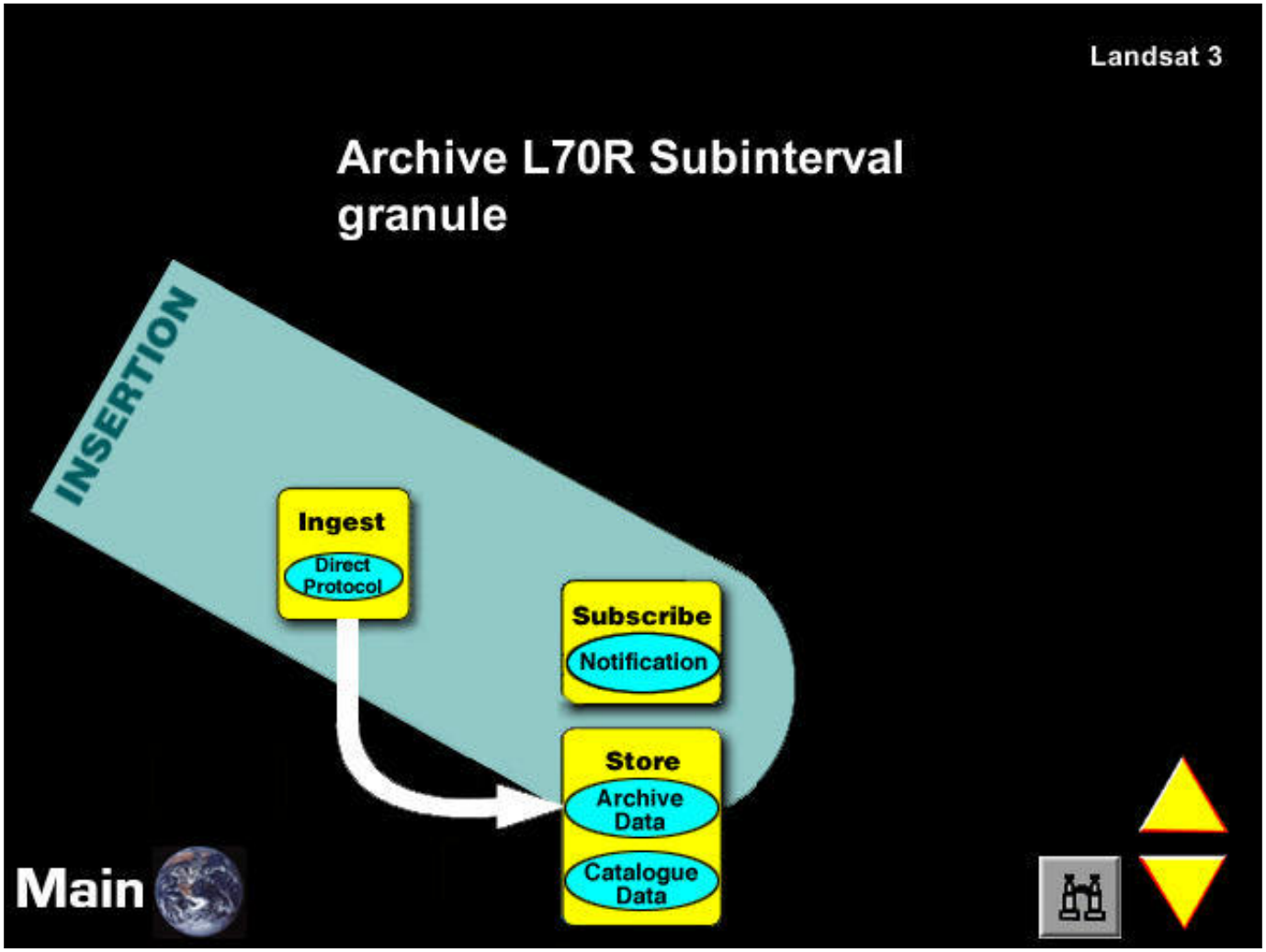
- L70R, L70RF1, L70RF2, L70RWRS, L70RWRS1, L70RWRS2, L7CPF, Browse

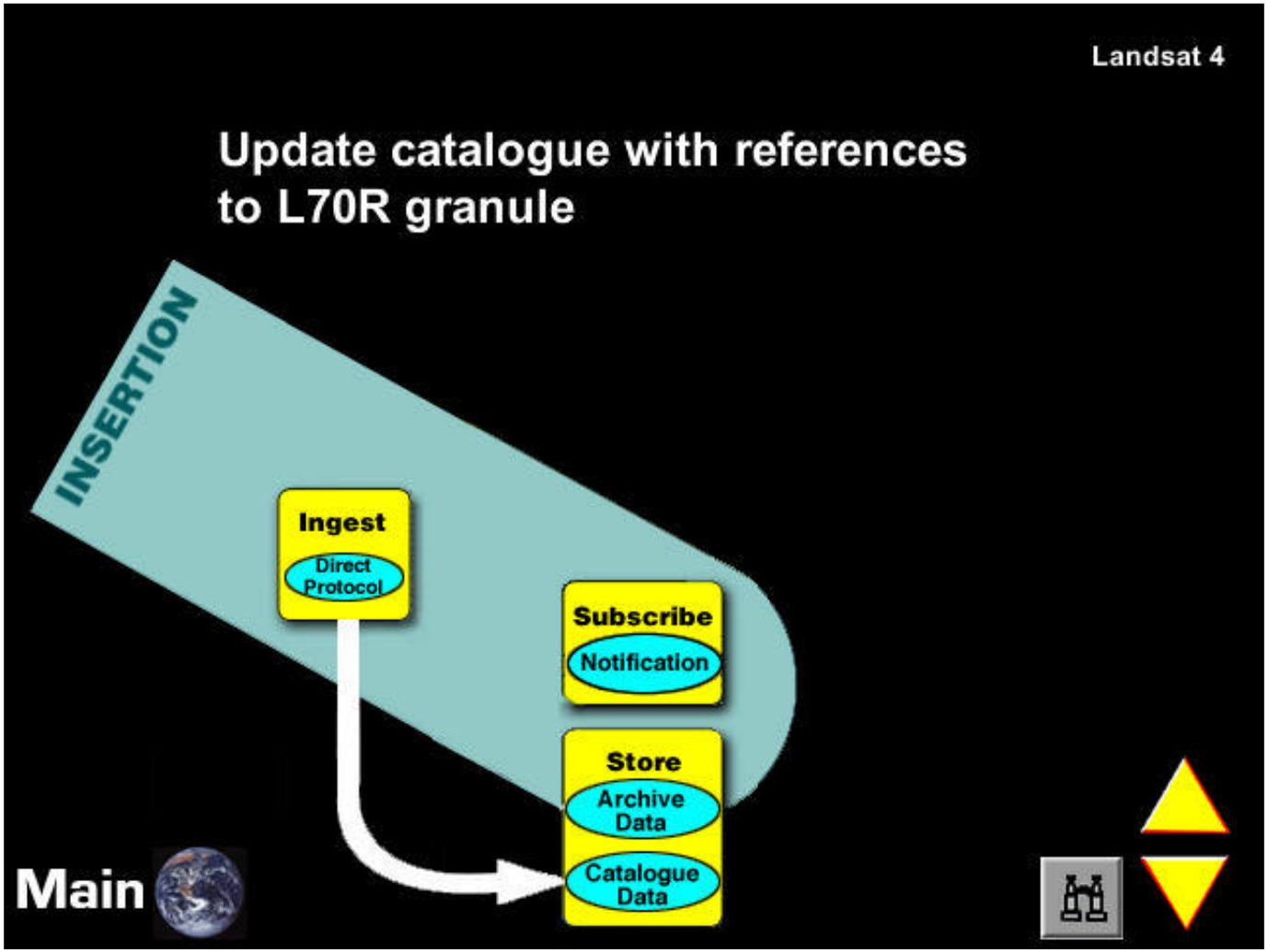
Subscription for:

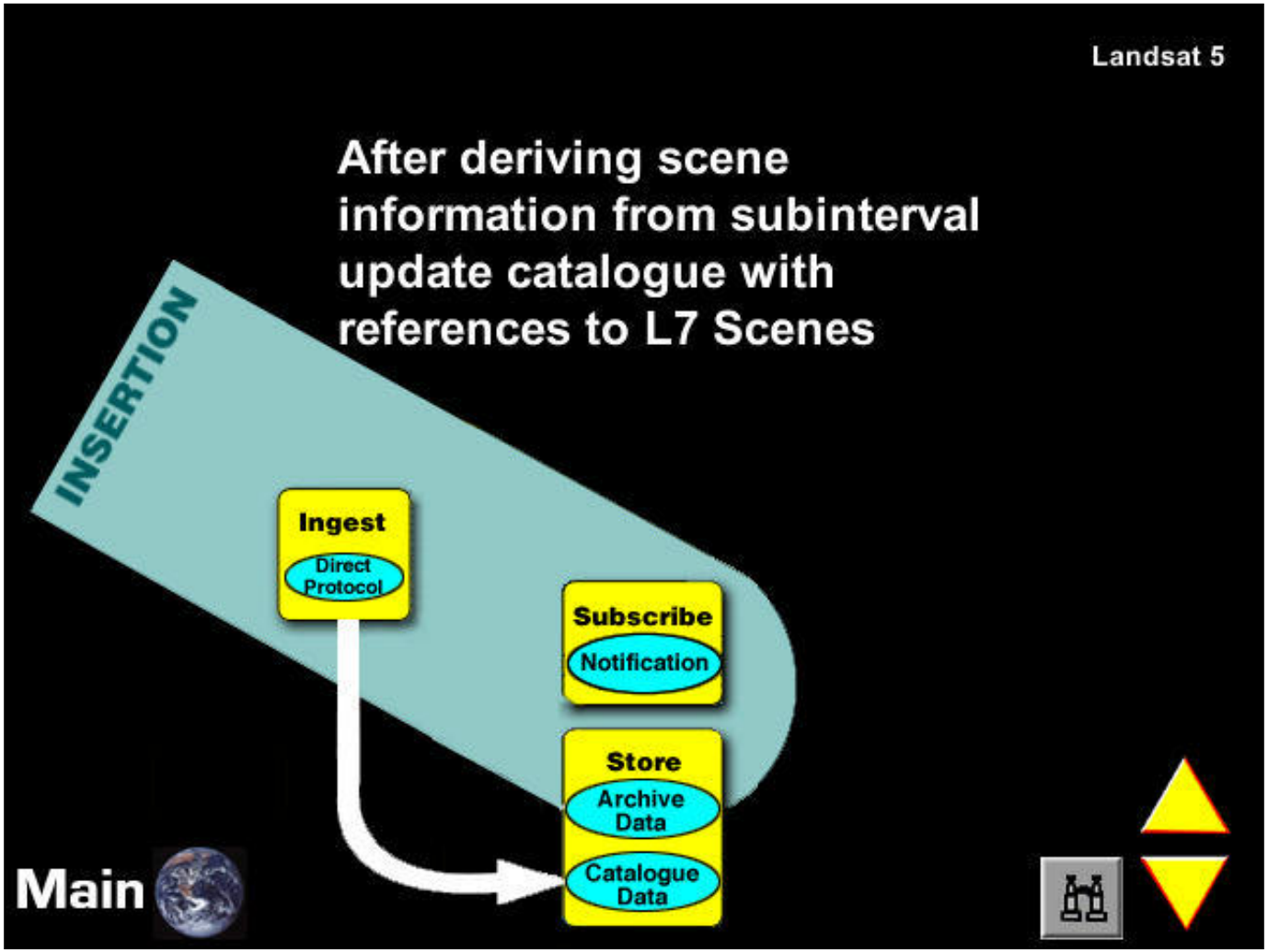
- L70R data notification
- Standing order for CPF production on tape

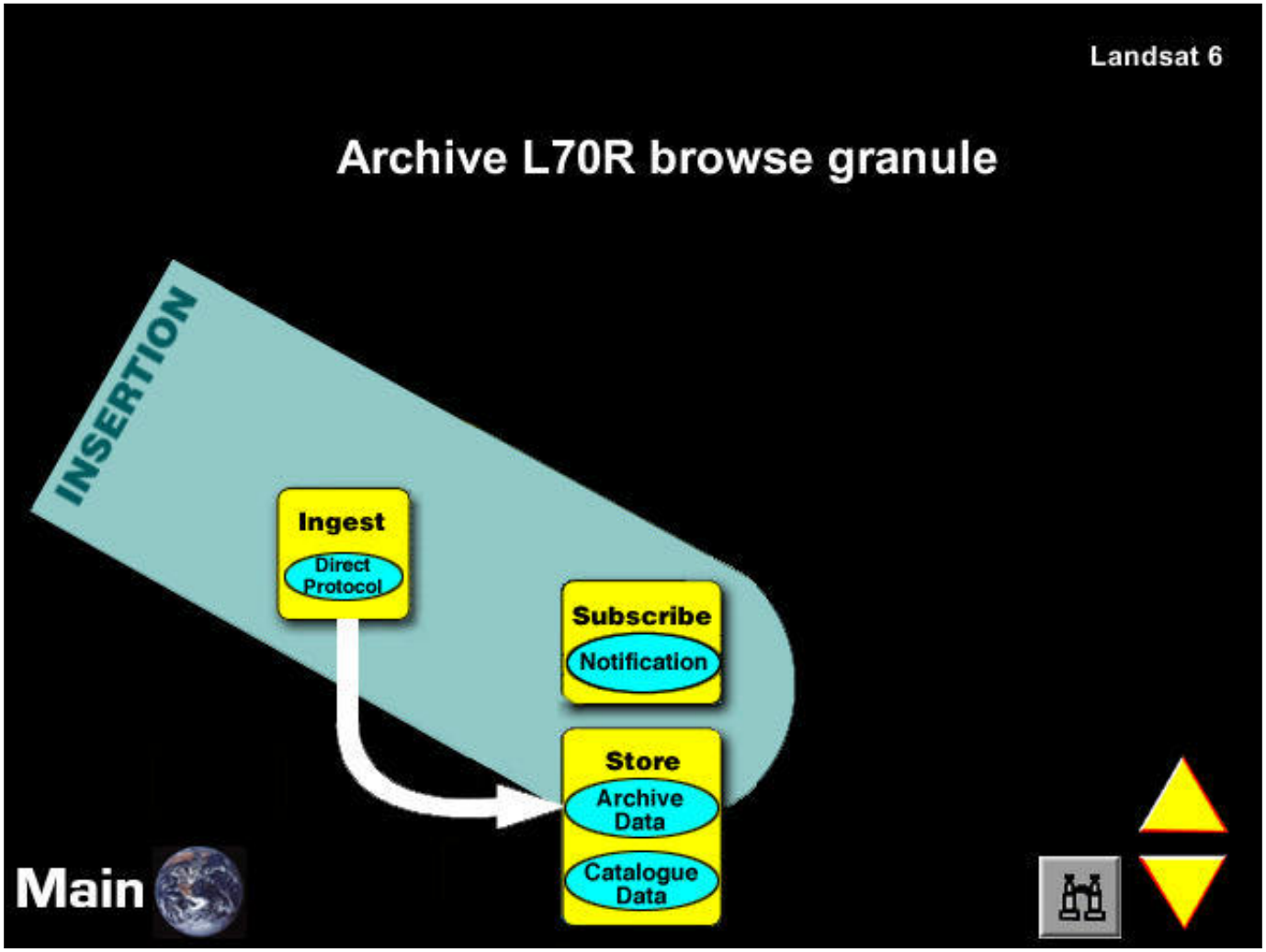

Landsat 1
External
Data Provider
PRODUCTION
User
INSERTION
RETRIEVAL
Data Insertion
LPS-LOR Data Insert
IAS-CPF Data Insert
Main

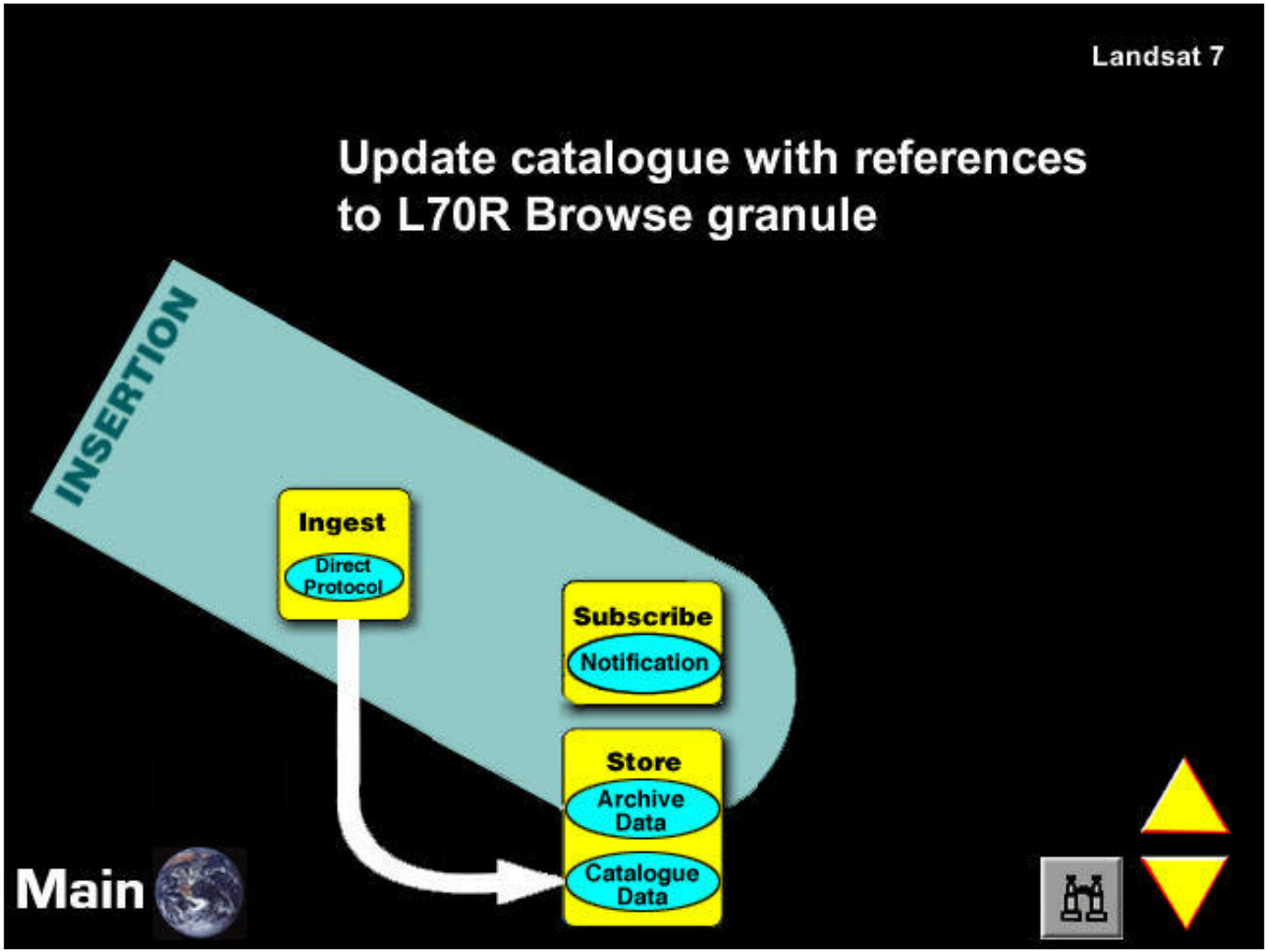

Landsat 2
LPS
LPS initiates L70R subinterval data ingestion with Direct Protocol
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 3
Archive L70R Subinterval granule
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 4
Update catalogue with references to L70R granule
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 5
After deriving scene information from subinterval update catalogue with references to L7 Scenes
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 6
Archive L70R browse granule
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 7
Update catalogue with references to L70R Browse granule
INSERTION
Ingest
Direct Protocol
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main

Landsat 8

Insert terminates with an insert event notification and an e-mail to DAAC operations

INSERTION

Ingest

Direct Protocol

Subscribe

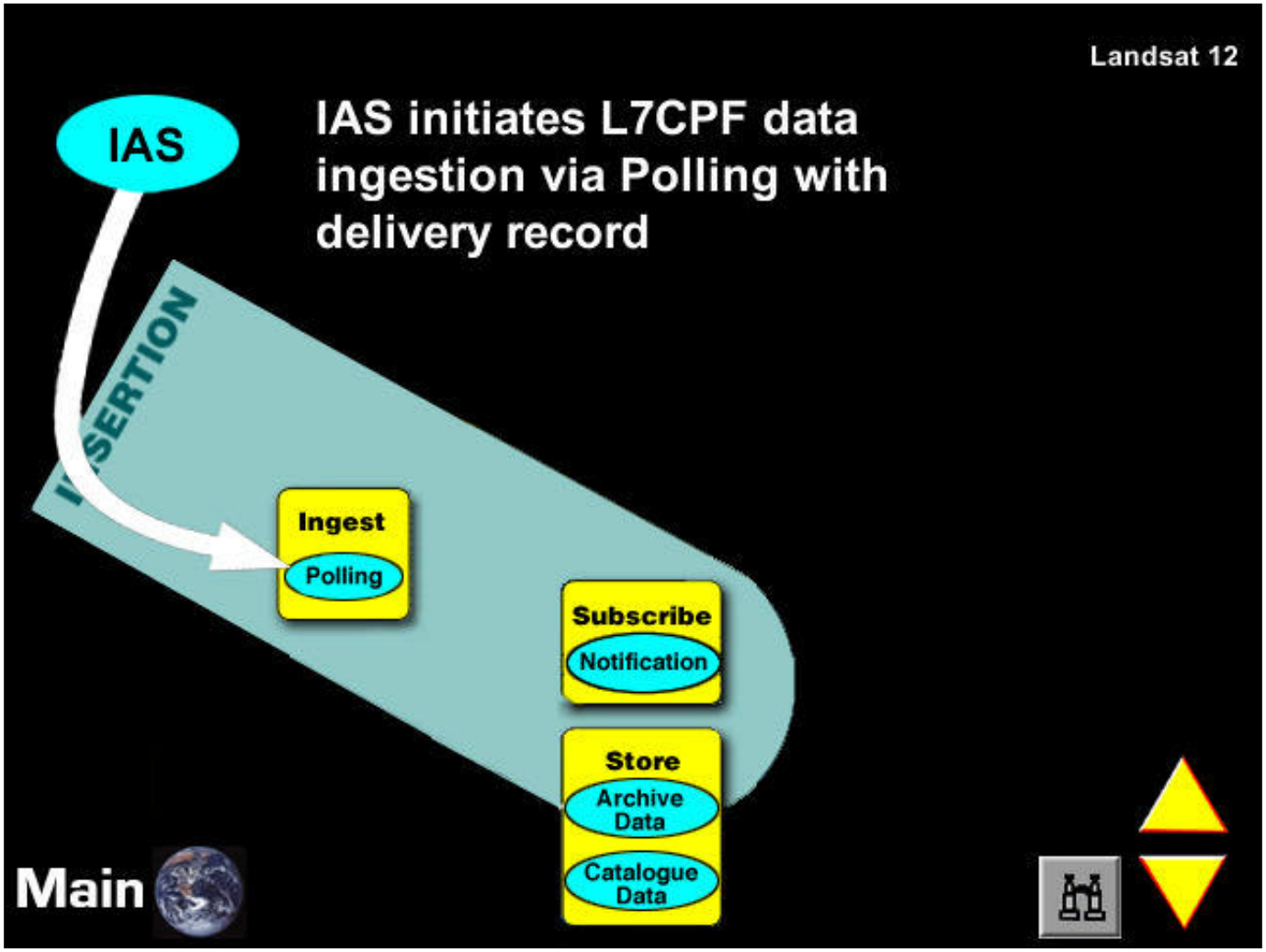
Notification

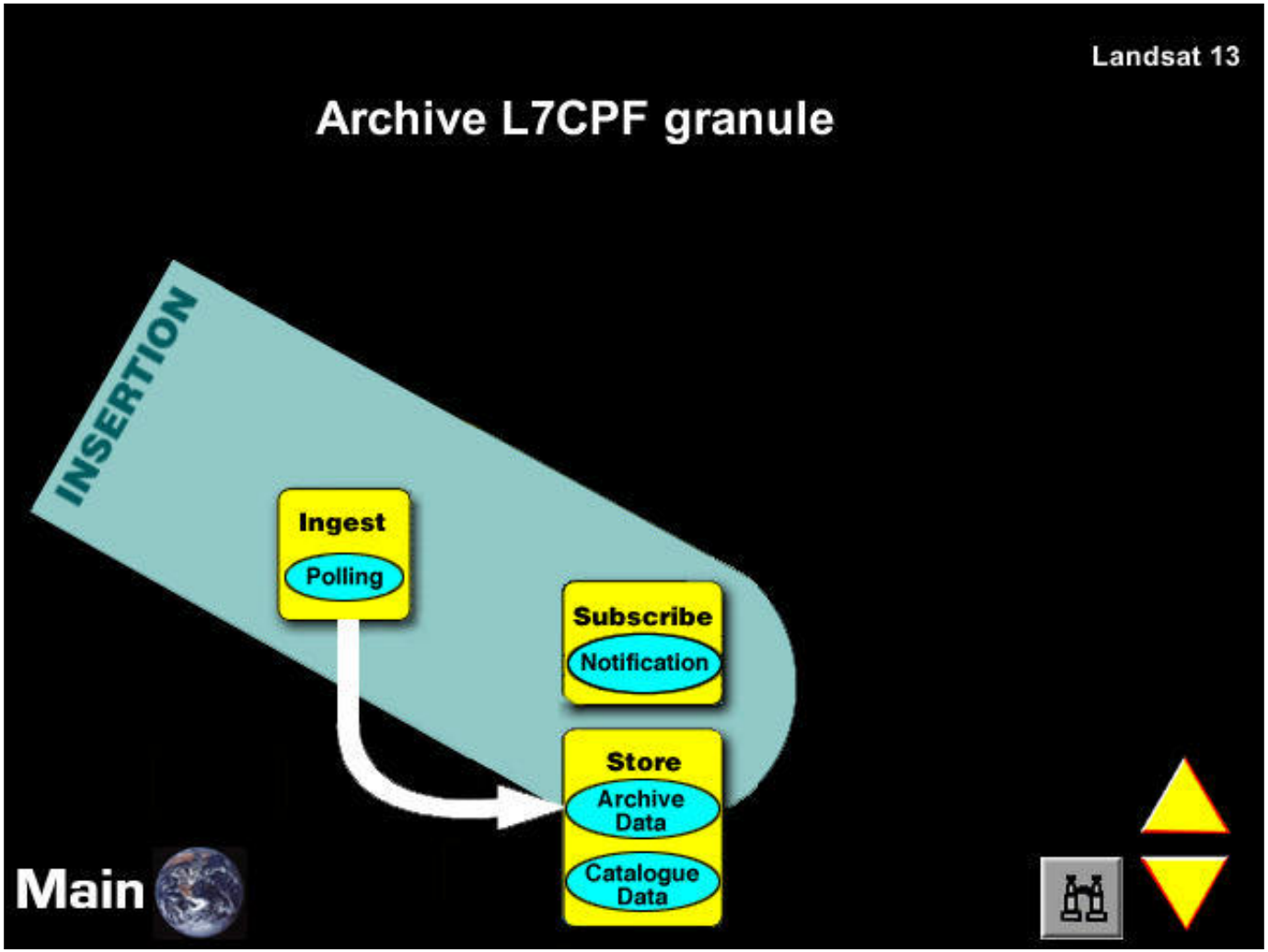
Store

Archive Data

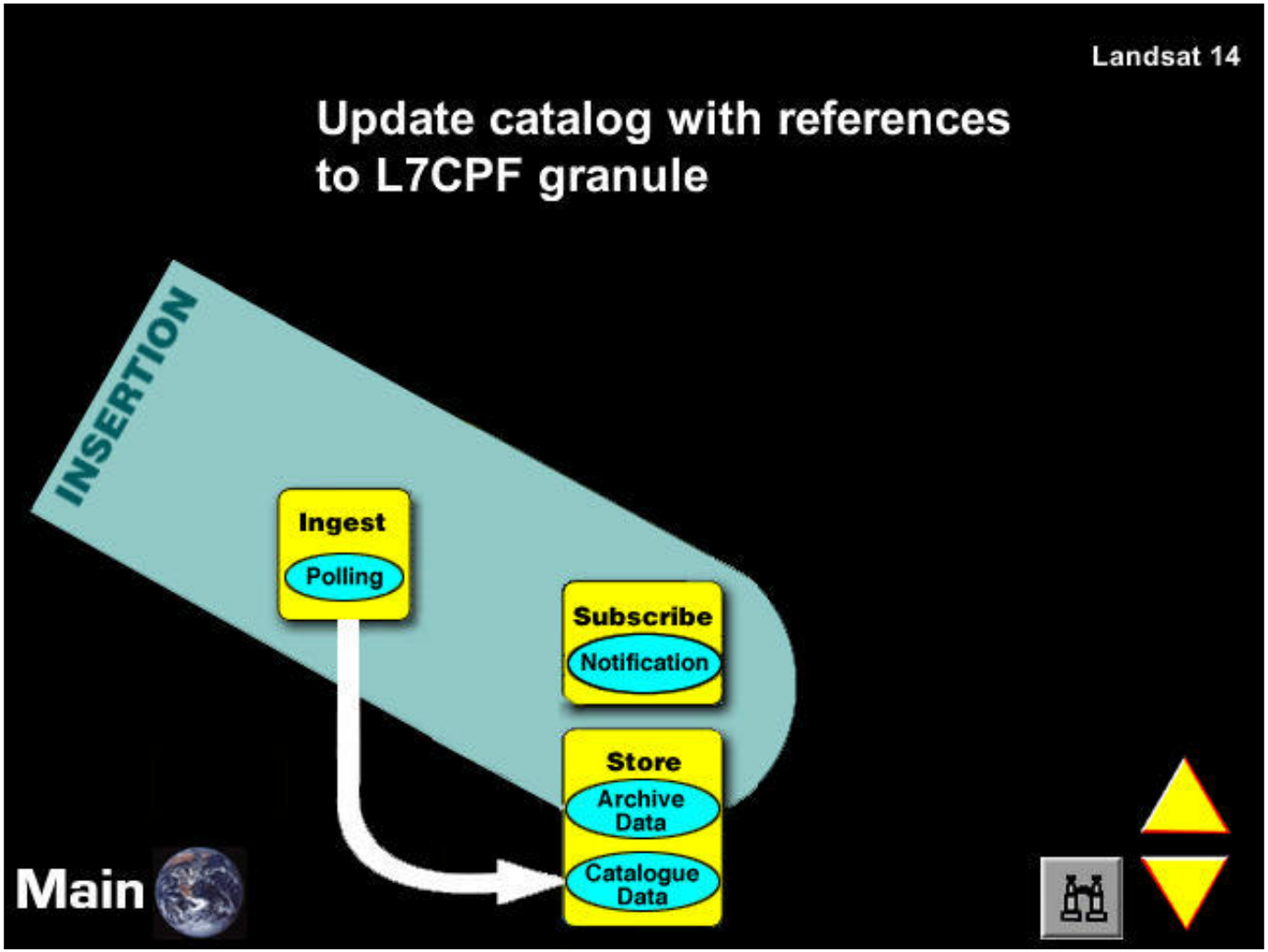
Catalogue Data

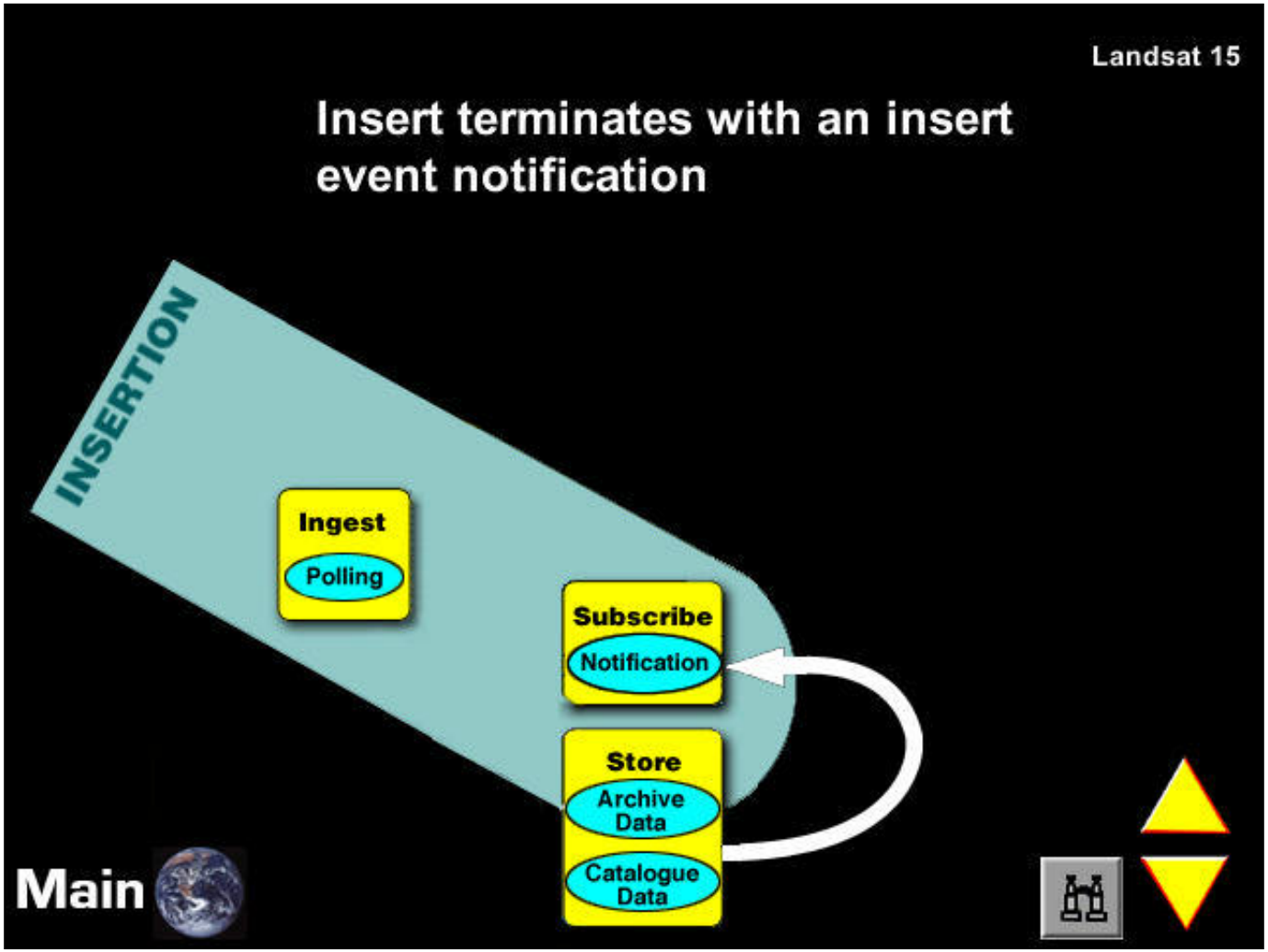
Main


Landsat 12
IAS
IAS initiates L7CPF data ingestion via Polling with delivery record
INSERTION
Ingest
Polling
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main


Landsat 13
Archive L7CPF granule
INSERTION
Ingest
Polling
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main

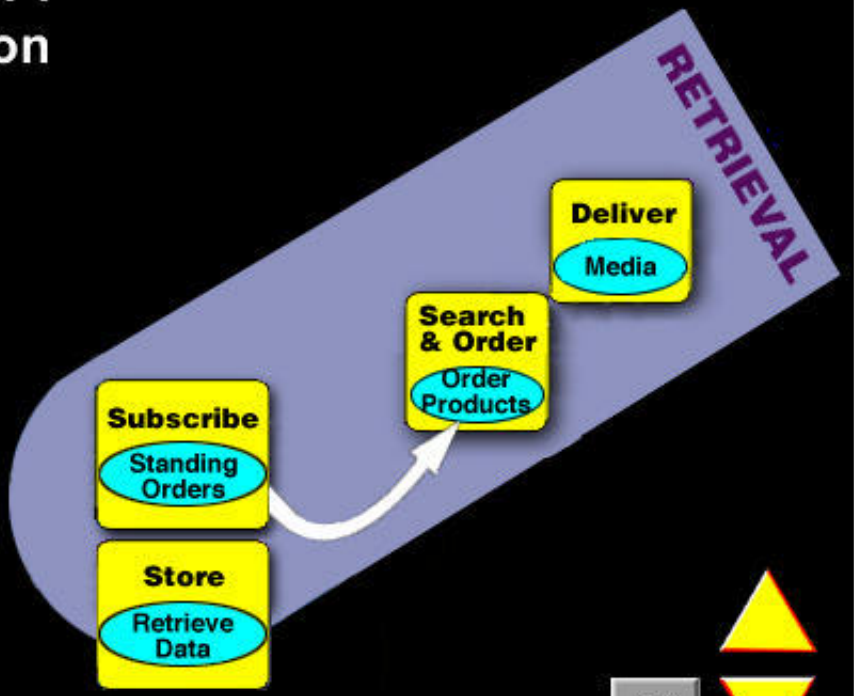
Update catalog with references to L7CPF granule



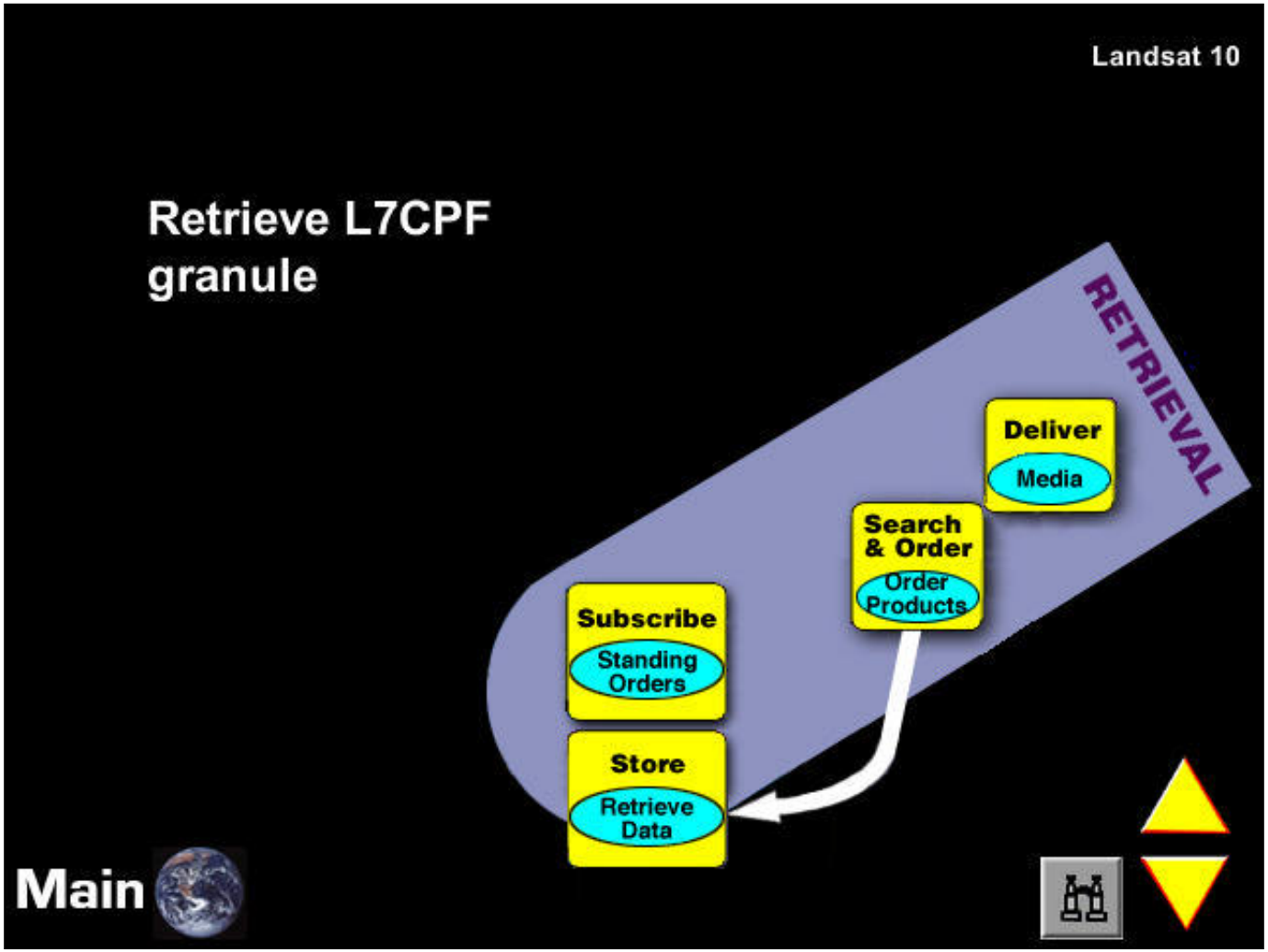

Landsat 15
Insert terminates with an insert event notification
INSERTION
Ingest
Polling
Subscribe
Notification
Store
Archive Data
Catalogue Data
Main

Landsat 9

Submit Standing Order for L7CPF on 8mm tape on behalf of scientist



Main


Landsat 10
Retrieve L7CPF granule
RETRIEVAL
Deliver
Media
Search & Order
Order Products
Subscribe
Standing Orders
Store
Retrieve Data
Main

Landsat 11

Copy L7CPF granule to tape, ship and e-mail notification to scientist

RETRIEVAL

Deliver
Media

Search & Order
Order Products

Subscribe
Standing Orders

Store
Retrieve Data

Main

Landsat 16
External
Data Provider
PRODUCTION
User
INSERTION
RETRIEVAL
Data Access
Search & Order Browse
Search & Order Scenes
Main

Landsat 17

Science User Searches for L7 Scenes that are in ECS data holdings

User

RETRIEVAL

Deliver
- Electronic
- Media

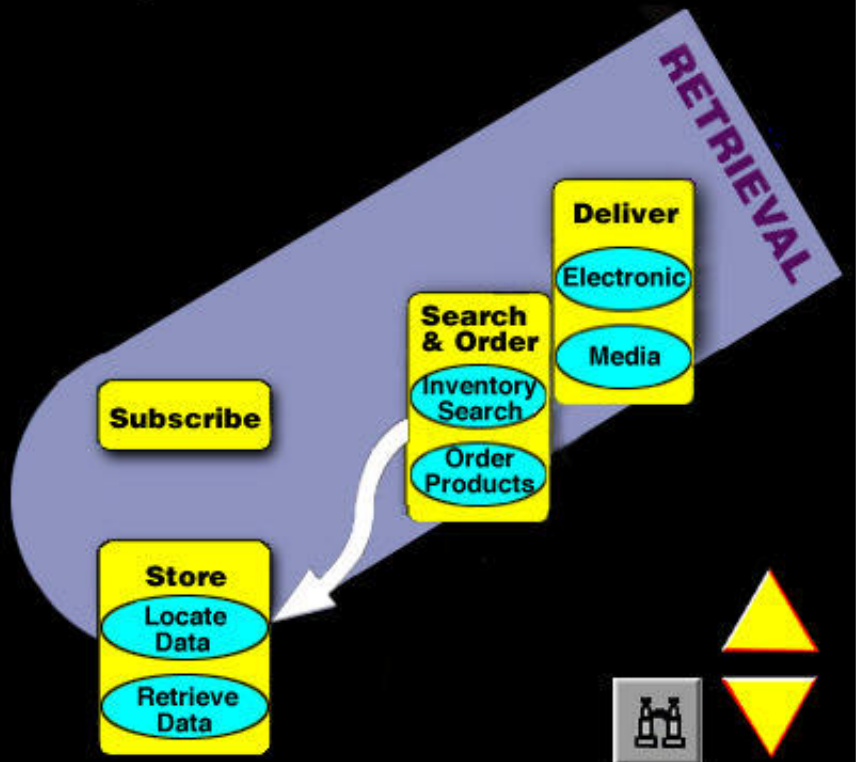
Search & Order
- Inventory Search
- Order Products

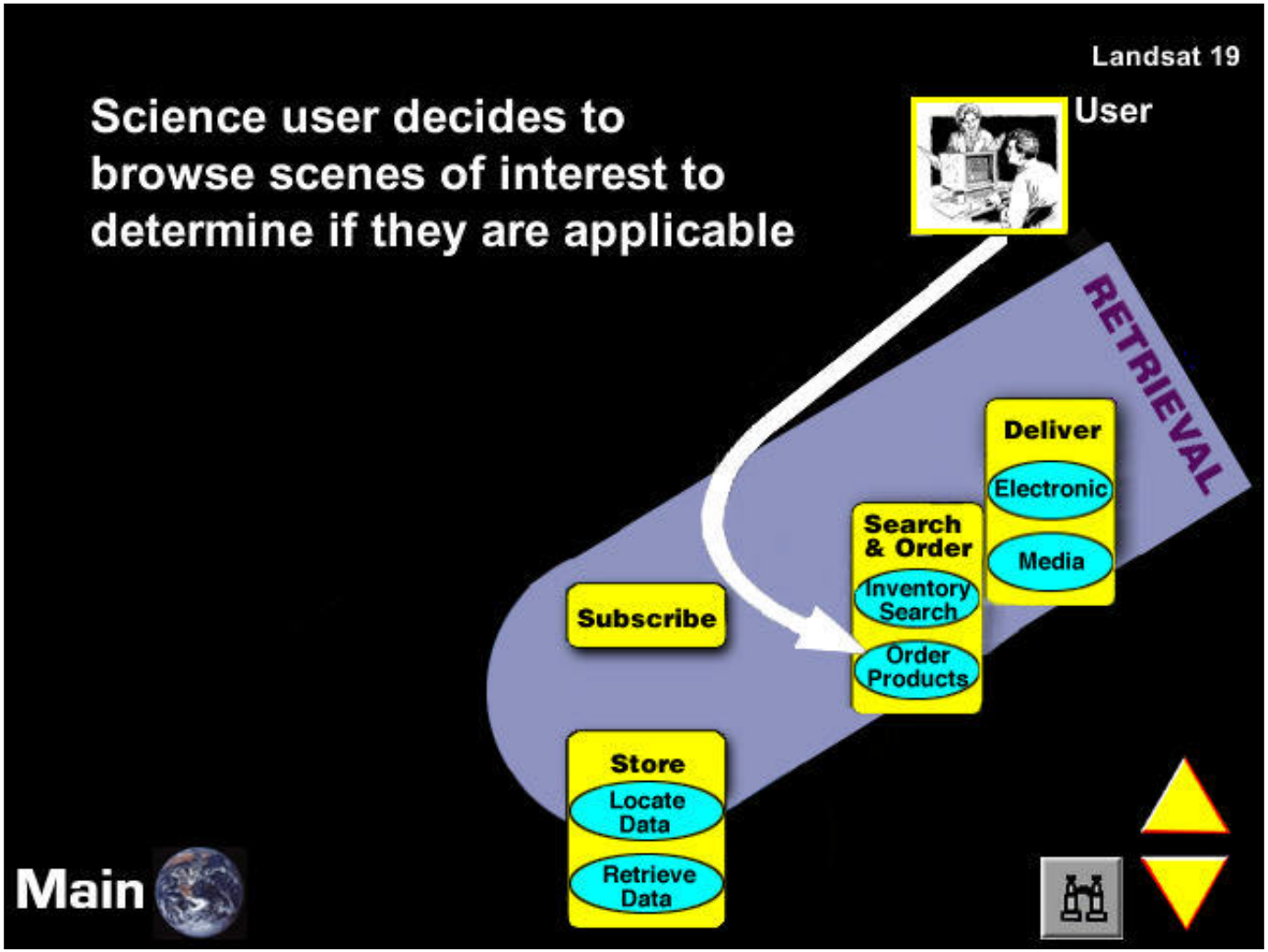
Subscribe

Store
- Locate Data
- Retrieve Data

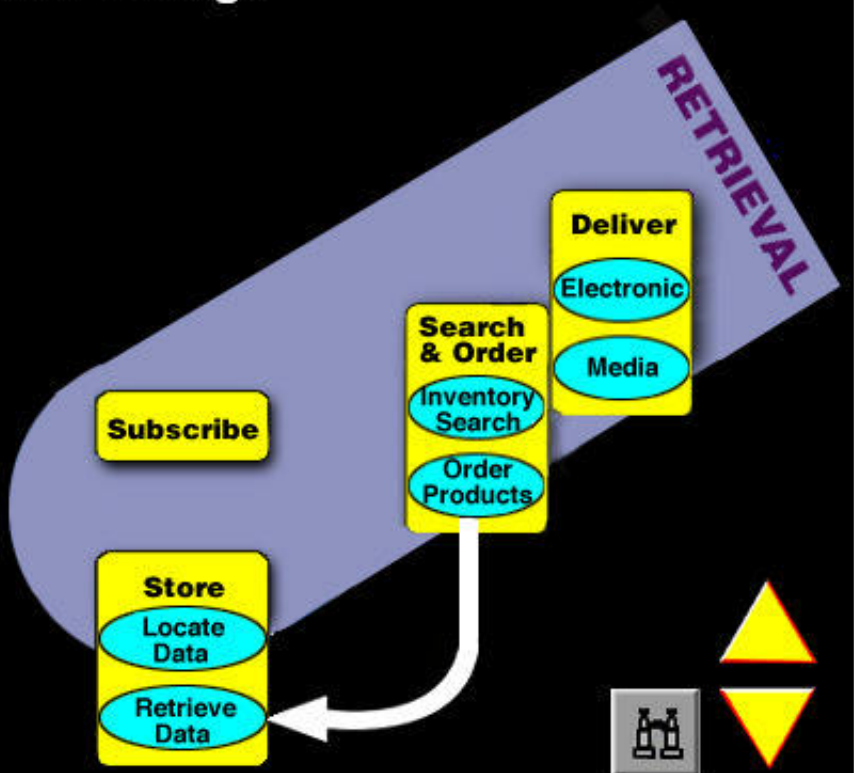
Main

Scenes of interest are located in the ECS data holdings




Landsat 19
Science user decides to browse scenes of interest to determine if they are applicable
User
RETRIEVAL
Deliver
Electronic
Media
Search & Order
Inventory Search
Order Products
Subscribe
Store
Locate Data
Retrieve Data
Main

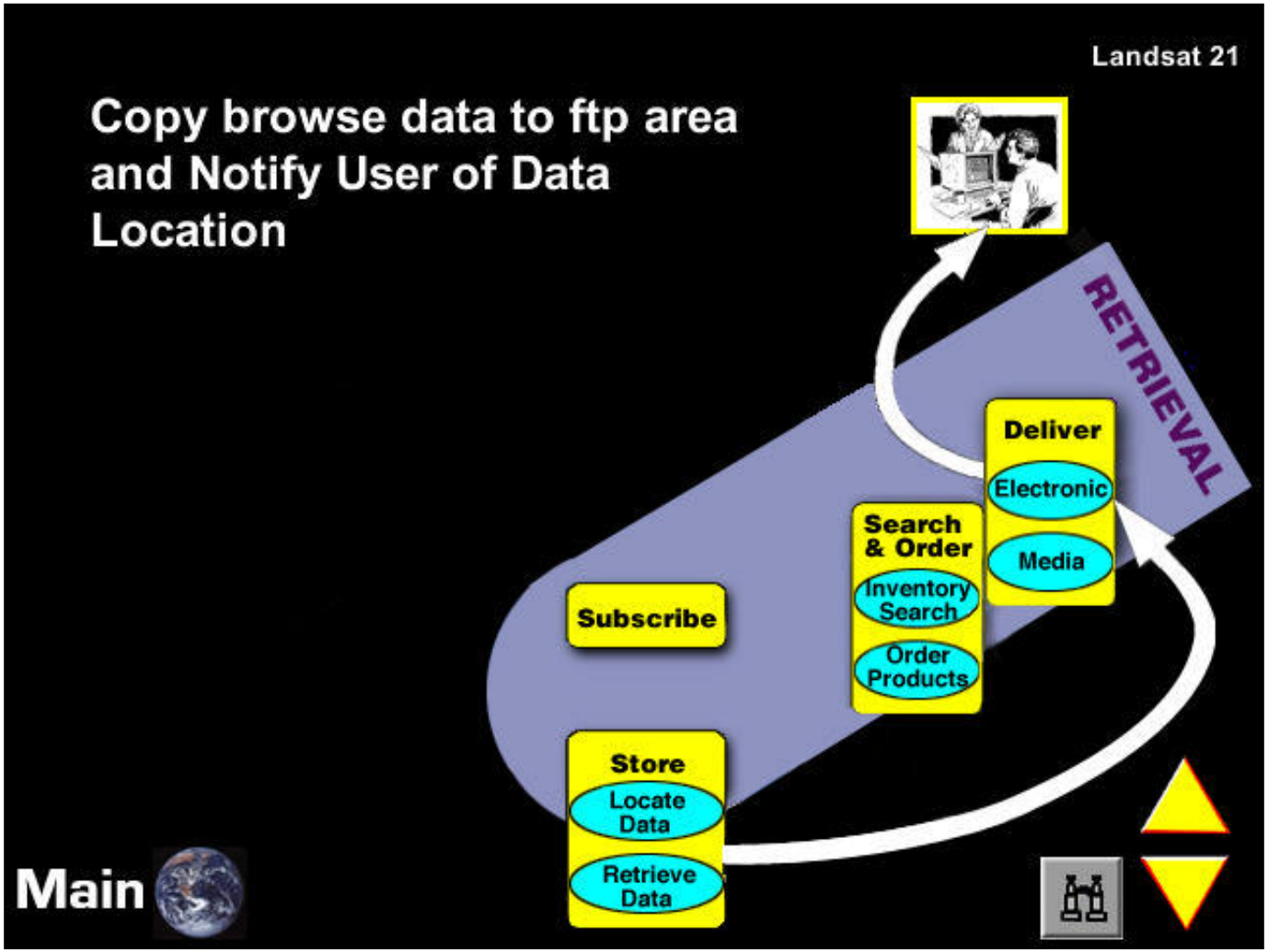
Specified browse data are retrieved from data holdings



Main

Landsat 21

Copy browse data to ftp area and Notify User of Data Location



Landsat 22

User Pulls Browse

RETRIEVAL

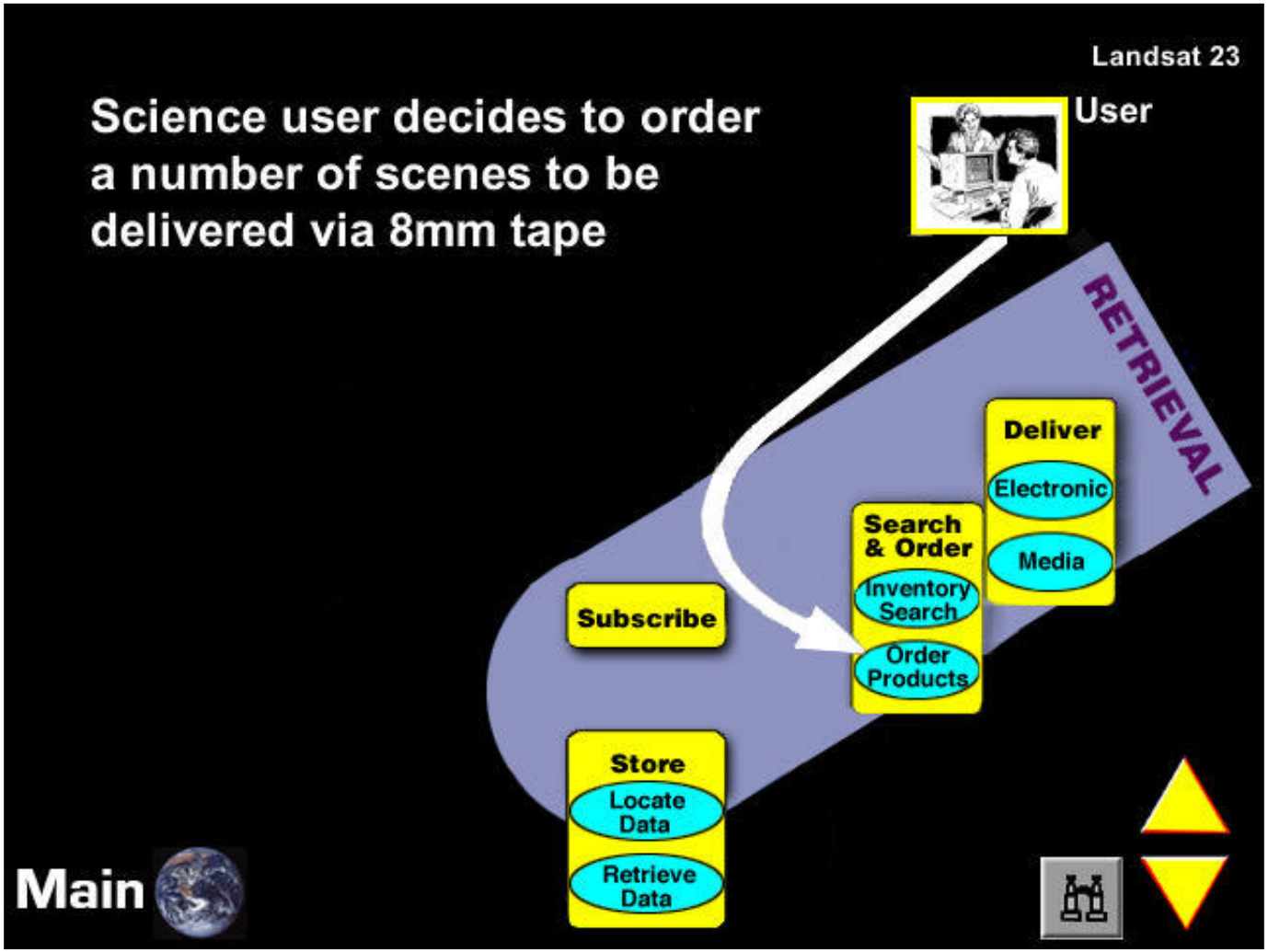
Deliver
- Electronic
- Media

Search & Order
- Inventory Search
- Order Products

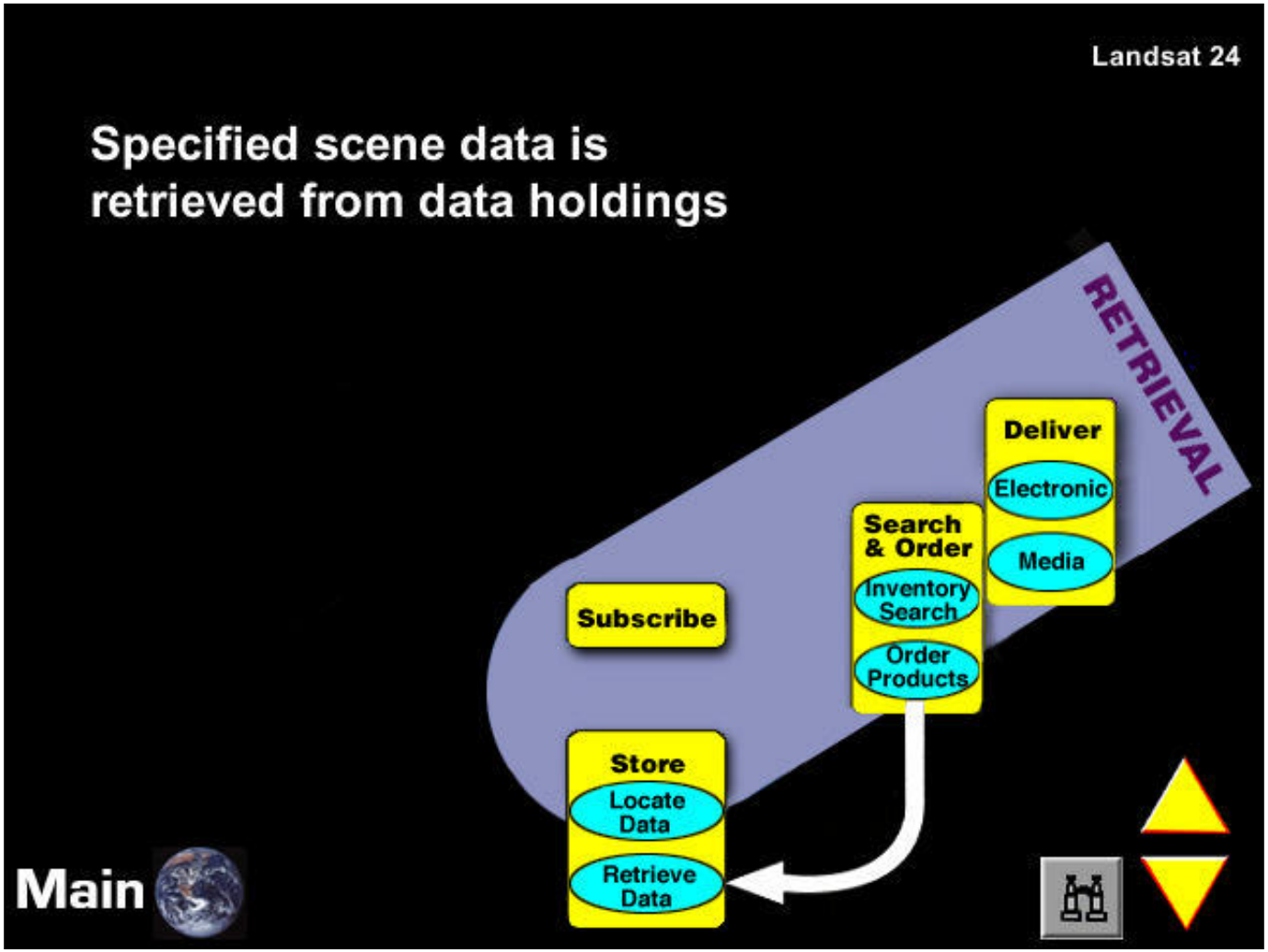
Subscribe

Store
- Locate Data
- Retrieve Data

Main


Landsat 23
Science user decides to order a number of scenes to be delivered via 8mm tape
User
RETRIEVAL
Deliver
Electronic
Media
Search & Order
Inventory Search
Order Products
Subscribe
Store
Locate Data
Retrieve Data
Main

Specified scene data is retrieved from data holdings



Landsat 25

Copy scene data to 8mm tape and ship it to scientist and send e-mail notification

RETRIEVAL

Deliver
- Electronic
- Media

Search & Order
- Inventory Search
- Order Products

Subscribe

Store
- Locate Data
- Retrieve Data

Main

Landsat 26

Immediately after ordering a number of granules Science User decides to order the L7CPF via ftp

User

RETRIEVAL

Deliver

Electronic

Media

Search & Order

Inventory Search

Order Products

Subscribe

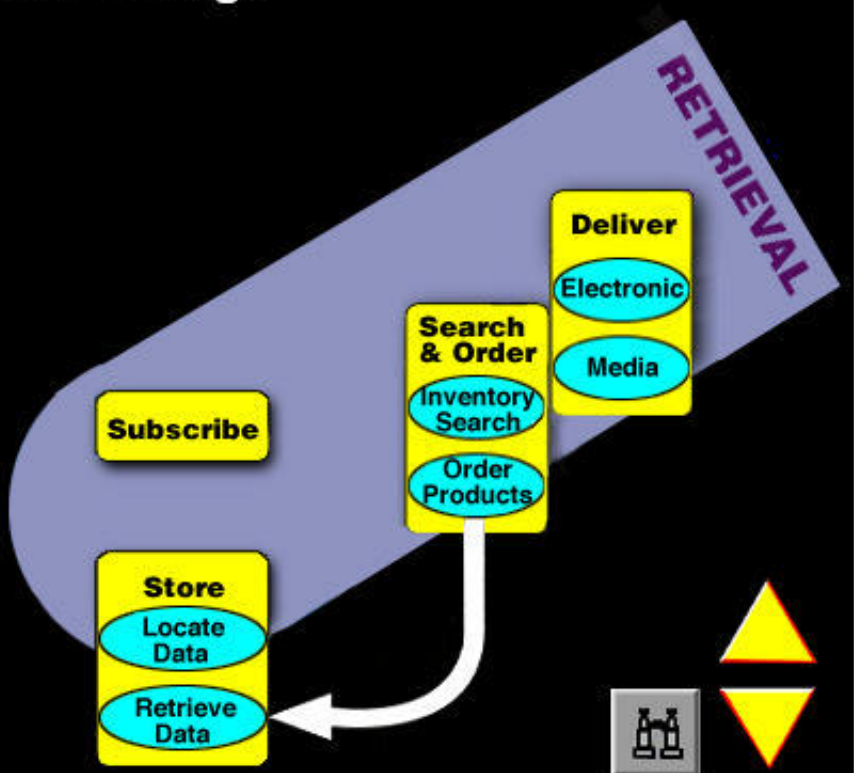
Store

Locate Data

Retrieve Data

Main

Specified L7CPF data is retrieved from data holdings



Main

Landsat 28

Copy L7CPF data to ftp area and Notify User of Data Location

RETRIEVAL

Deliver
- Electronic
- Media

Search & Order
- Inventory Search
- Order Products

Subscribe

Store
- Locate Data
- Retrieve Data

Main

Landsat 29

User Pulls L7CPF

RETRIEVAL

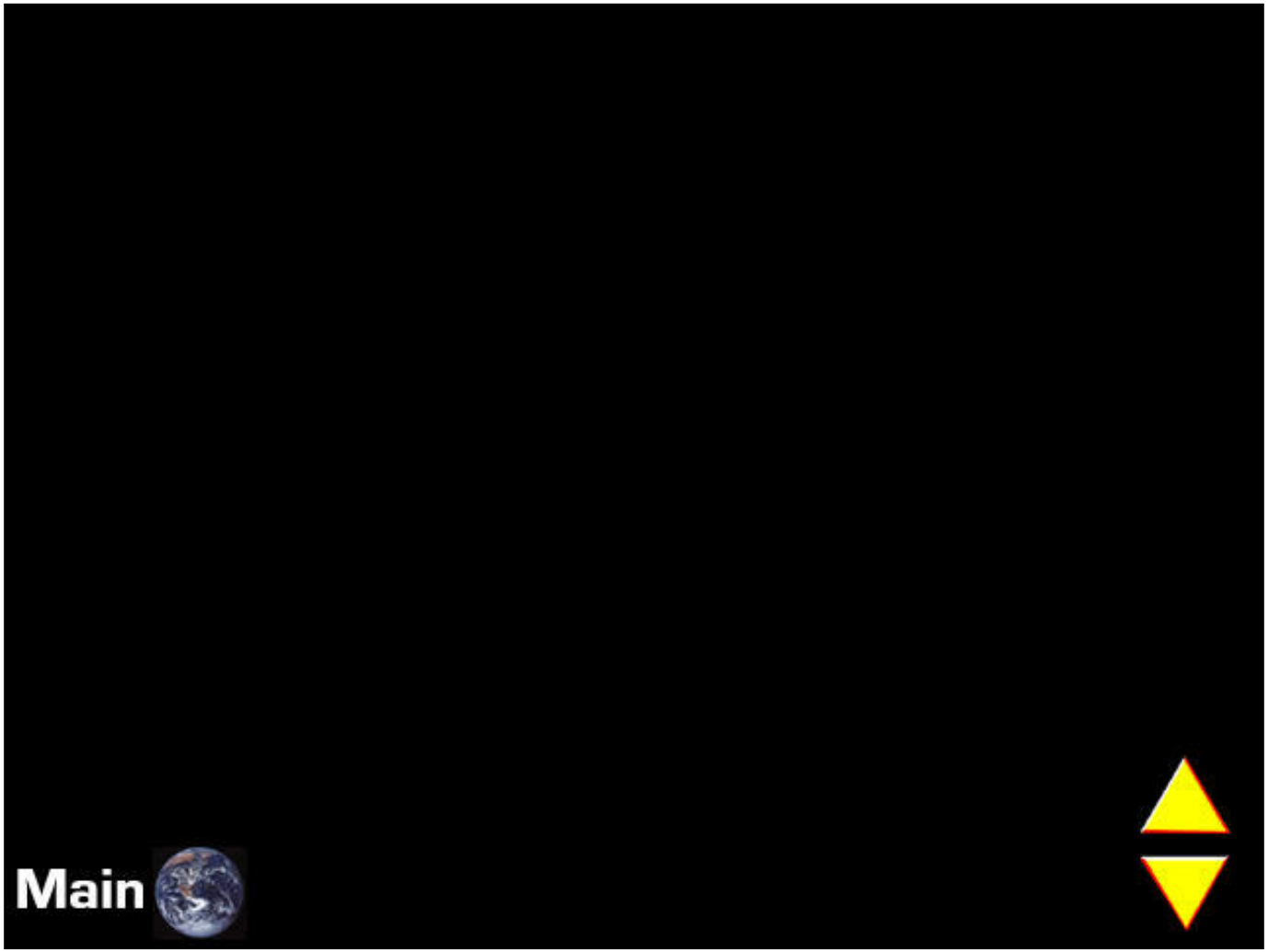
Deliver
- Electronic
- Media

Search & Order
- Inventory Search
- Order Products

Subscribe

Store
- Locate Data
- Retrieve Data

Main


Main