ISOC presentation

Ground segment coordination meeting
ESAC 15 December 2005
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Presentation overview

❑ Status
❑ AO 4
❑ Key Programmes and its implementation

System changes and evolution:

❑ New observations type custom dither with the following options:
❑ Central point in RA and DEC
  - Any number of rows and columns
  - Dwell time per pointing
  - Step size
  - "Wandering COP" or not
  - Instrument orientation or fixed on sky
❑ HEX dither pattern now with "wandering COP" since rev 343
❑ OMC pointing software version 3.7 used since rev 343
❑ JEM-X activation shortened and SW trigger limit selectable in ISOC since rev 343

❑ The thrust of the enhancements now are to ensure safe operations and improved flexibility, e.g.:
  - Automatic detection if PAD generation is required
  - Splitting and unsplitting an observation. This is used when ED or instrument parameter value is to be changed
  - IODB import support to detect what observations should be split
❑ More flexibility for users to influence the scheduling process
❑ We are currently moving the helpdesk system to ESAC and also started to port it to KAYAKO system. ISDC will be contacted shortly once the trials are finished in ISOC
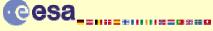
AO 4

❑ The current AO 3 runs up to 15 August 2006 (rev 468)

❑ Hence AO 4 execution starts 15 August 2006 (rev 469)

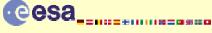❑ AO 4 proposal submission period is 13 March to 21 April 2006

AO 4 Key programme (1)

❑ The IUG has recommended to implement so called key programmes (KP)

❑ A KP is a predefined observation (e.g. 2 Msec in the galactic centre using standard dither pattern)

❑ Potentially a KP could stretch over more than one AO

❑ As part of the AO submission the community is allowed to submit proposals associated with a KP. This means they can propose for sources that would be covered by the KP. IF approved by TAC they will get the data from the KP observation to be able to analyze the data from the approved source

❑ It is very late for AO 4 but there will be one KP implemented.

AO 4 Key programme (2)

❑ The proposal generation tool for AO 4 will support KP proposal submission. The proposer will only be able to specify:
- KP name (later it will be possible to have more than one KP in an AO. For AO 4 only one KP)
- Source name
- Scientific justification
- Administrative details

❑ Only the specific KP observation will be executed and ISDC will be asked to distribute the data to all observers having an approved observation for the KP observation

❑ The implementation of the KP approach is likely to require some interface agreements ISOC – ISDC. This is planned to be discussed in January 2006