



JAXA HQ Report

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IYO Study Coordination Group

Members	Europe	Japan	US
Scientists	Arvind Parmar (co-chair)	Hideyo Kunieda (co-chair)	Nick White (co-chair)
Managers	Philippe Gondoin	Tadayasu Dotani	Jean Grady
Representatives	Fabio Favata	Tadayuki Takahashi	Michael Sala
IAEA appointed Community Scientists	Didier Barret (F)	Takeshi Tsuru	Mark Bautz
	Paul Nandra (UK)	Takaya Ohashi	Mitch Begel
	Luigi Piro (I)	Kazuhisa Mitsuda	Jay Bookbin
	Lothar Strüder (D)		Kathy Flana

IAEA's Chief Engineering Office (HQ) has decided to assign
experts for the studies of IYO

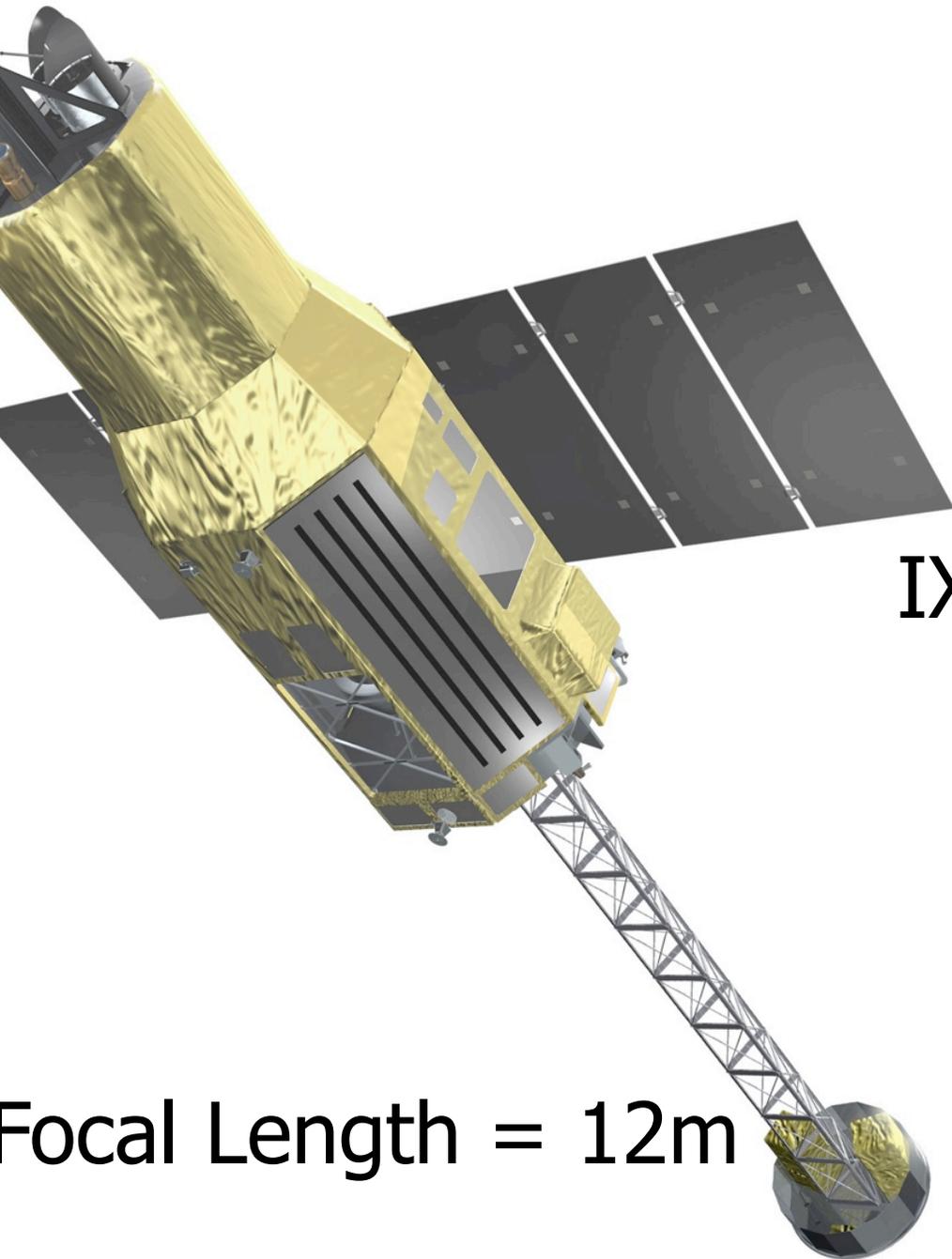
Jointed Members
Yamamoto
Matsushita
Takahashi (co-chair)
Yamashita
Ueda
Nagasaki

Japanese Members
Ryuichi Fujimoto
Kiyoshi Hayashida
Kazuhisa Mitsuda
Kazuhiro Nakazawa
Tadayuki Takahashi
Hiroshi Tsunemi (co-chair)
Motohide Kokubun

Japanese Members
Hisamitsu Awaki
Manabu Ishida
Hideyo Kunieda (co-chair)
Yoshimoto Maeda

would like to add more members to join the scientific discussion

IXO-H (Formerly called NeXT)



- Launch in 2013
- Altitude & inclination: 550km & 31°
- Weight: 2.4 ton
- Length (extended): 14m
- Power: 3150W (BOL)

IXO related Technology

1. Cryogenics + Micro calorimetry
2. Wide Band Spectroscopy (WBS) + Hard X-ray Mirror System + E
3. Wide FOV CCD
4. Polarization (Compton Camera)

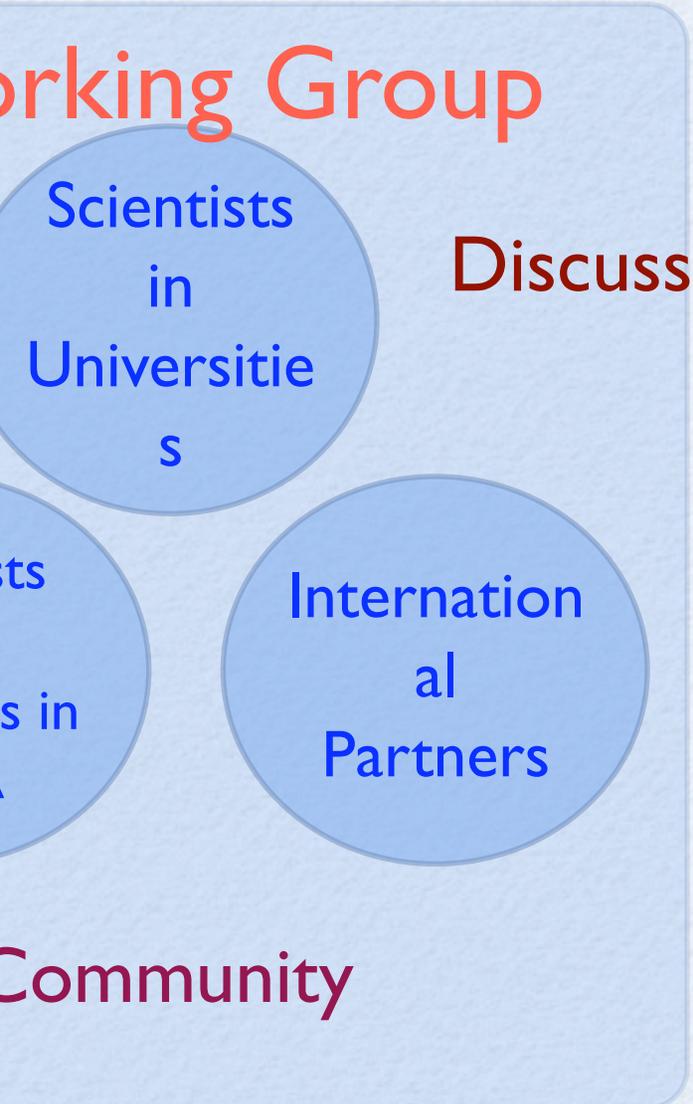
Focal Length = 12m

Collaboration on Instrumentation

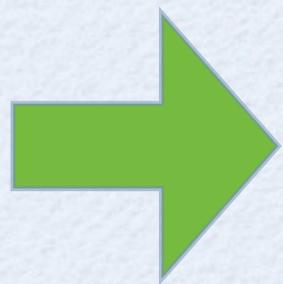
Active discussion has been started in the fields of Calorimeter and Hard X-ray imager for mutual collaboration (Japan, Europe, US). This is good.

LoA (Letter of Agreement)

- The draft LoA between JAXA and ESA for the Cosmic Vision study is now under review by ESA based on JAXA's comments. Hope to have final one, pretty soon.
- The draft LoA between JAXA and NASA is now under review by JAXA. We do not see any significant issues to be handled. Hope to get released soon.



Discussion

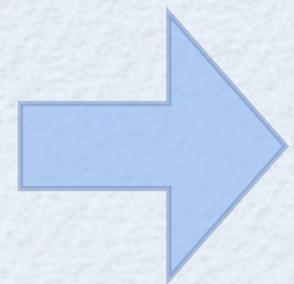


Mission Proposal

ISAS



Evaluation (MDR/SRR/SDR)



Recommendation

Feasibility (incl. Human Resources)

Government



Strategy

- The status of IXO in JAXA is a “WG for International Project”. In order to get more funding and more support, we need to step up to a “Mission WG”. But after more detailed mission design becomes available
- For this, we need to prepare a proposal for Mission Definition Review (MDR) , within about a year.

NEXT IXO Meeting

July 3, Otaru, Japan

Suzaku Conference 2009 (June 29 - July 2, Otaru, Japan)

IXO will be reported in the session for future missions.

IXO meeting (July 3, same place as the Suzaku conference)

IXO CG meeting (July 4, same place)

