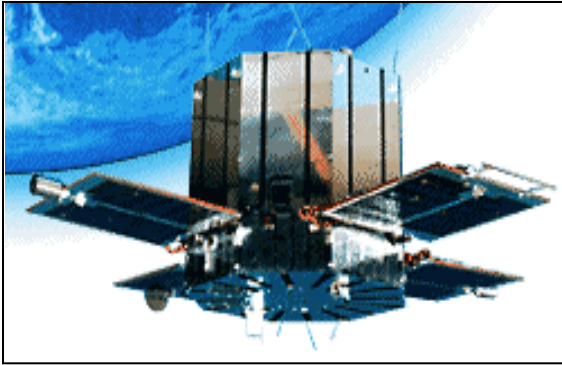


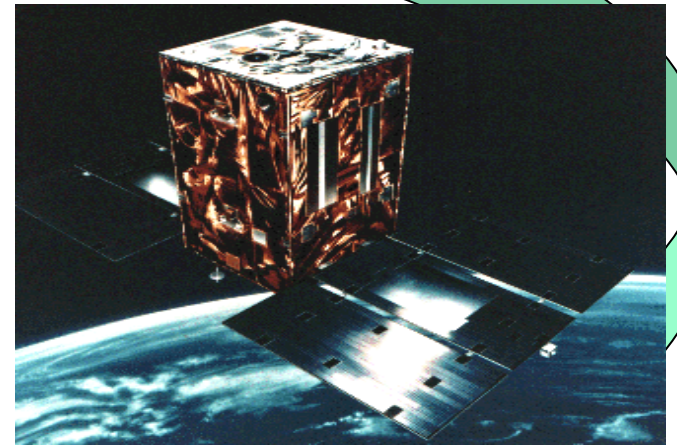
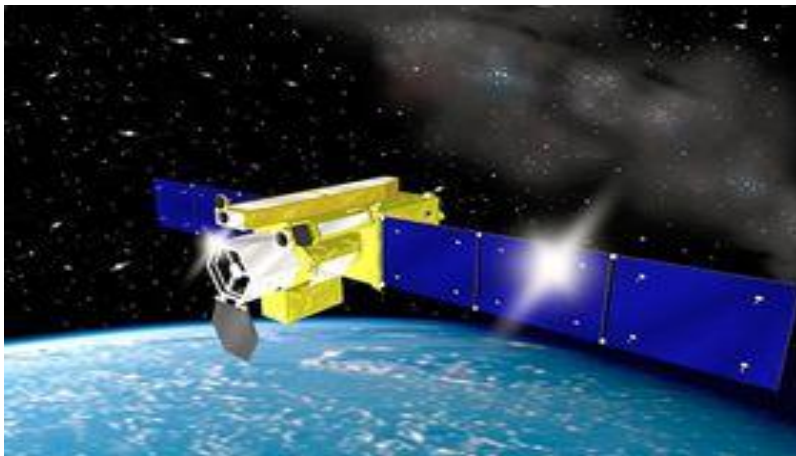
# ISAS Solar Physics



**Hionotori (1981-1982)**

**Yohkoh (1991- )**

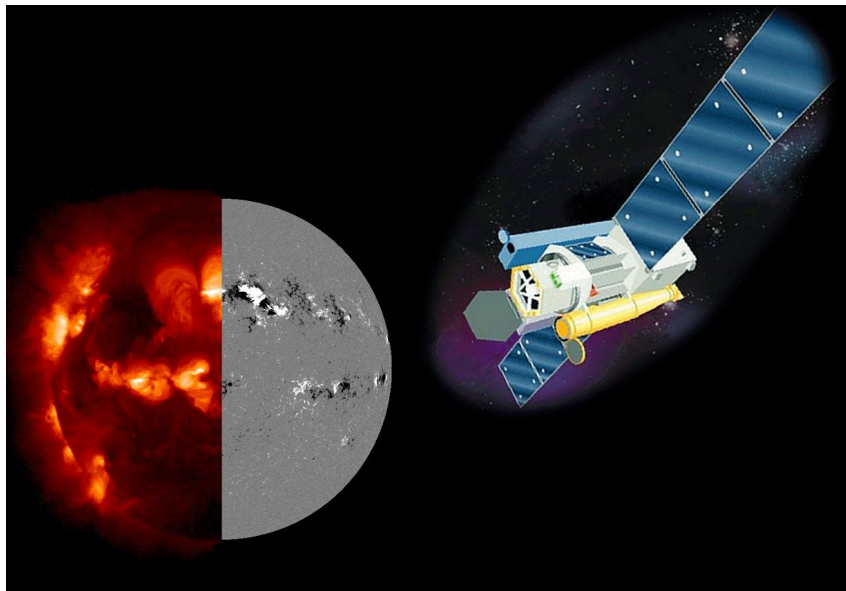
**SOLAR-B (2005)**



# Science

- Coronal heating
- Coronal structure / dynamics
- Elementary processes in Magnetic Reconnection

# SOLAR-B



## Launch Date:

Summer 2005,  
with ISAS M-V-7

## Orbit:

Sun synchronous  
altitude ~ 600 km

## Weight:

~ 900 kg

## Mission instruments

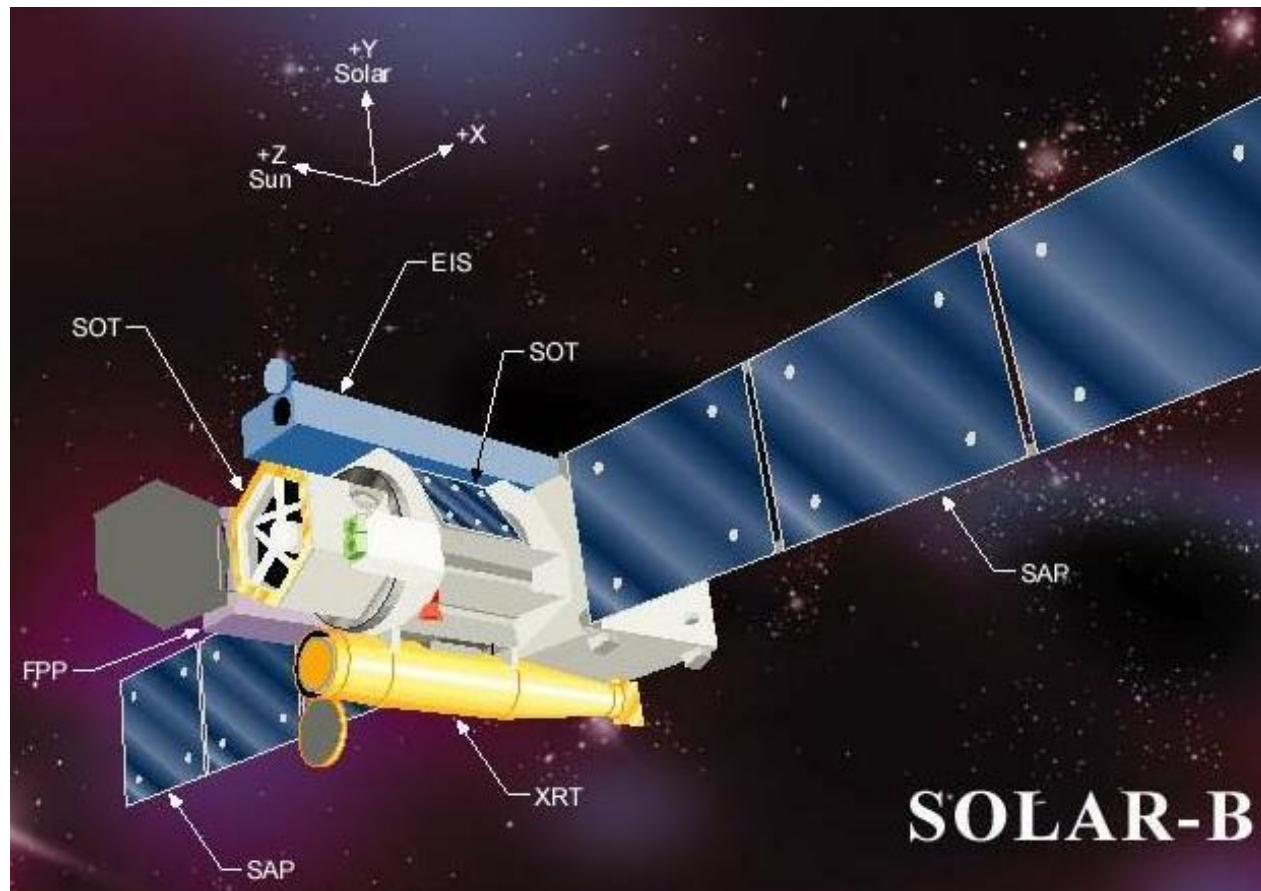
- Optical Telescope / Vector Magnetograph (**SOT**)
- X-ray Telescope (**XRT**)
- EUV Imaging Spectrometer (**EIS**)

# SOLAR-B

Solar Optical Telescope (**SOT**)

X-ray Telescope (**XRT**)

EUV Imaging Spectrometer (**EIS**)



# International Collaboration

# SOLAR-B

**ISAS (Japan):** Integration of S/C; Launch & Operation

**Mission Instruments:**

**SOT (optics), XRT (camera), EIS (I/f to S/C)**

**NASA (US):**

**SOT (focal plane package), XRT (optics / mech.),**

**EIS (optics components), NASA polar station(s)**

**PPARC (UK): EIS (structure, detectors & electronics)**

**ESA: Polar station(s) for data downlink**

**Joint Operations and Data Analysis**

## System Schedule

- 2001 : PM Electric I/F Test  
Subsystem MTM/TTM Fabr. & Test
- 2002 : System MTM Test  
System TTM Test
- 2003 : Subsystem Flight Model Fabrication
- 2004 : System Integration & I/F Test  
System Final Checking
- 2005 Aug / Sep : Launch Operation



# MTM Test (2002 May)

# SOLAR-B

