

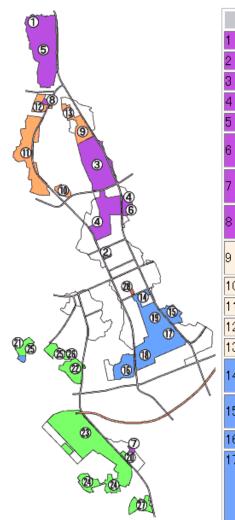
### LOCATION OF JAPAN





#### TSUKUBA SCIENCE CITY

The 46 national and other experimental research and educational facilities in the City.

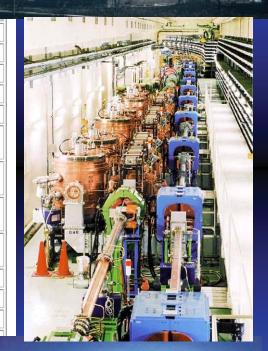


#### Name of Institution

- National Archives of Japan Tsukuba Annex
- 2 University of Library and Information Science
- University of Tsukuba
- 4 Tsukuba College of Technology
- 5 High Energy Accelerator Research Organization (KEK)
- Tsukuba Research & Material Center, National
- Science Museum
- Tsukuba International Center, JICA
  Tsukuba International Agricultural Training Center(JICA)
- National Education Center Institute for Educational
  Research and In-service Training
- National Research Institute
  - for Earth Science and Disaster Prevention
- 10 Geographical Survey Institute
- 11 Public Works Research Institute
- 12 Building Research Institute
- 13 NTT Access Network Service Systems Laboratories
- National Institute for Materials Science
- (Old:National Research Institute for Metals,Tsukuba Laboratories)
- National Institute for Materials Science
- (Old:National Institute for Research in Inorganic Materials)
- 16 National Institute for Environmental Studies
- National Institute of Advanced Industrial Science and Technology(AIST Tsukuba Research Administration Office

National Institute for Advanced Interdisciplinary

Research (NAIR)



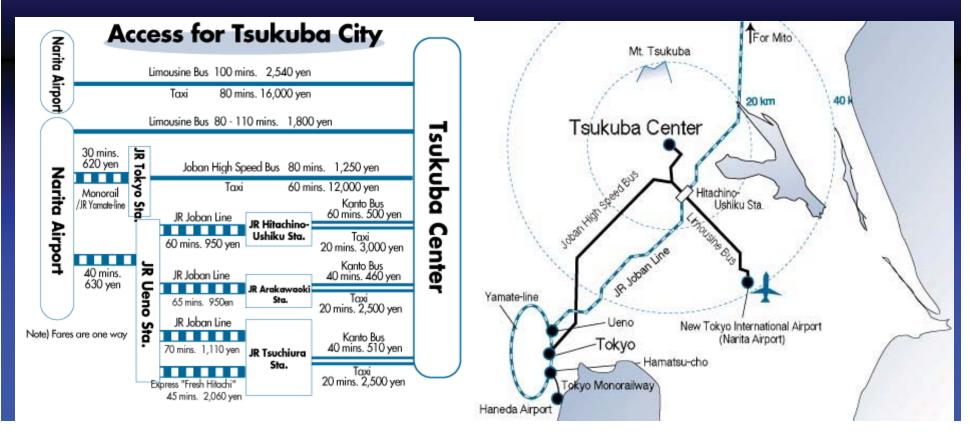
### **ACCESS TO TSUKUBA**

Narita Airport ⇔ Tsukuba Center

Limousine Bus: 100 min. (about 2 hours interval)

**Tokyo Station** ⇔ **Tsukuba Center** 

Express Bus: 70 – 90 min. (about 12-min. interval)



## **EPOCHAL TSUKUBA (OKURA HOTEL) International Congress Center**

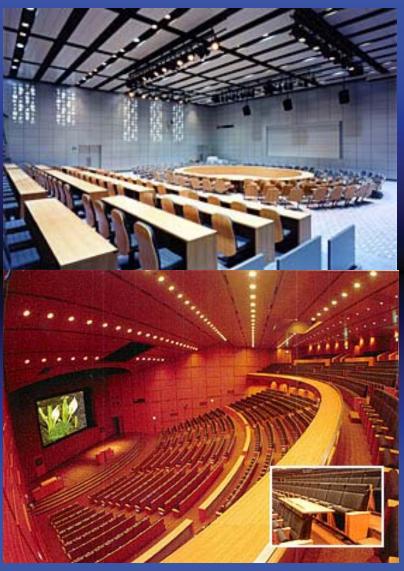




http://www.epochal.or.jp/english/index.html

### **EPOCHAL TSUKUBA (OKURA HOTEL) International Congress Center**





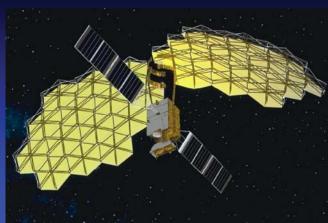
http://www.epochal.or.jp/english/index.html

## Spacecraft Charging study of recent Japanese high voltage satellites



Muses-C (2003)

ISAS



ETS-VIII (2004) NASDA



WINDS (2005) NASDA

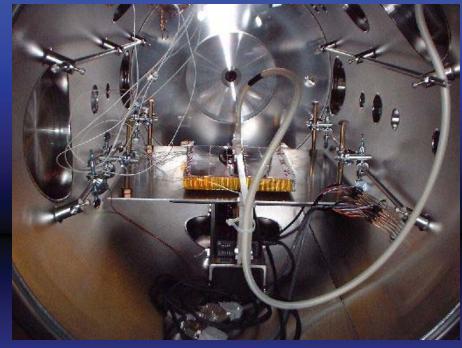


MTSAT-2 (2004)
Ministry of Land,
Infrastructure and Transport

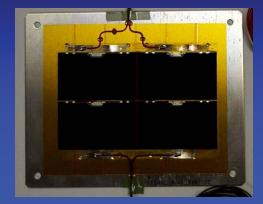
### SCIENTIFIC & TECHNOLOGICAL **HIGHLIGHTS: 1. GROUND TEST**



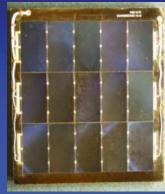
**SFU** 



Large coupon



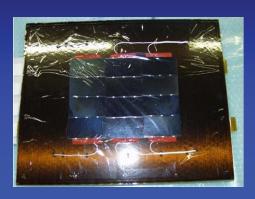
Muses-C



**ETS-VIII** 

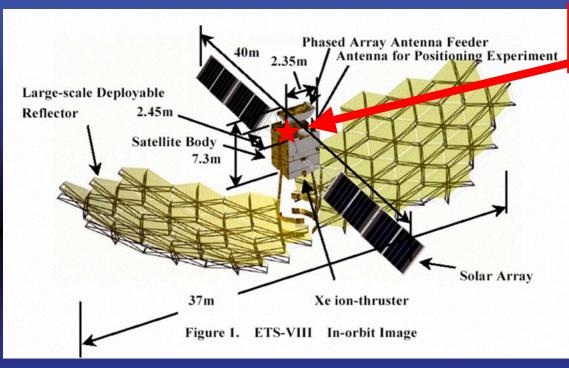


WINDS



400V array

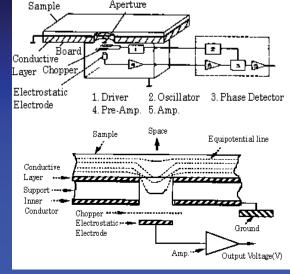
# SCIENTIFIC & TECHNOLOGICAL HIGHLIGHTS: 2. SATELLITE OBSERVATION



- •To be launched in 2004
- •100V bus for 7.5kW
- •105V V<sub>oc</sub> with NRS IBF Si cells
- •Ion thruster for NS keeping
- Mission duration 3 years

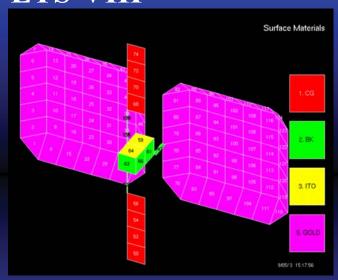
#### **Potential Monitor**



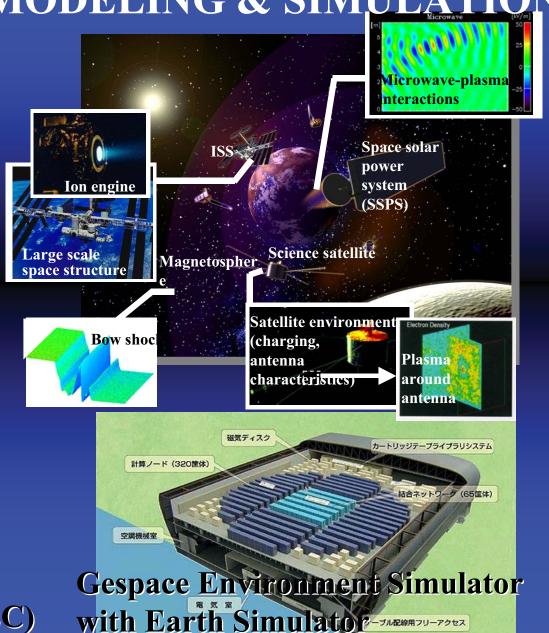


# SCIENTIFIC & TECHNOLOGICAL HIGHLIGHTS: 3. MODELING & SIMULATION

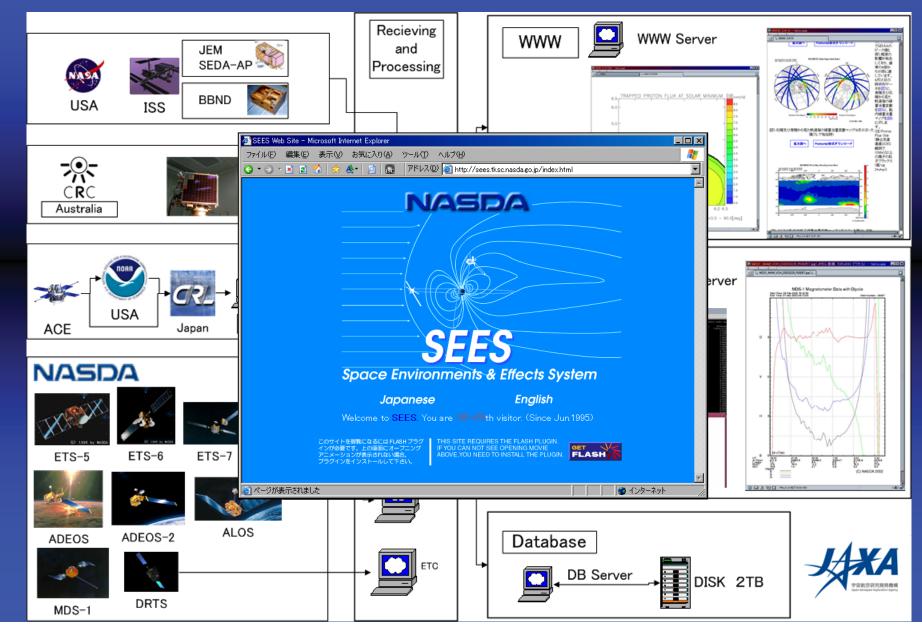
NASCAP Simulation of ETS-VIII







# SCIENTIFIC & TECHNOLOGICAL HIGHLIGHTS: 4. DATABASE



### TENTATIVE EXCURSION PLAN ASAKUSA & DOWNTOWN OLD TOKYO





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Institute of Space Technology and Aeronautics,
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Would you like to come to Tsukuba, Japan?



Thank you for your attention.