

# On Near-Term Space-VLBI Mission VSOP-2

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& Futu

## Talk Outline:

VSOP Short Review

VSOP-2  
Science  
and Instru

## Aim:

To let EVN-VLBIers  
to remember Space-VLBI, and to join,,.



# HALCA Launch & Deployment

- Feb. 1997 •

M-V 1



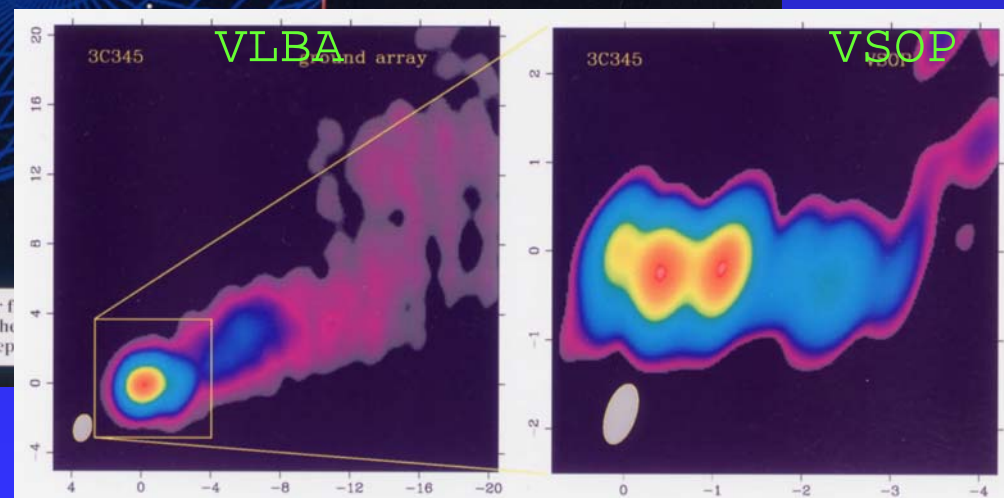
# VLBI Space Observatory Programme HALCA and VSOP

Highly Advanced Laboratory for Communications and Astronomy

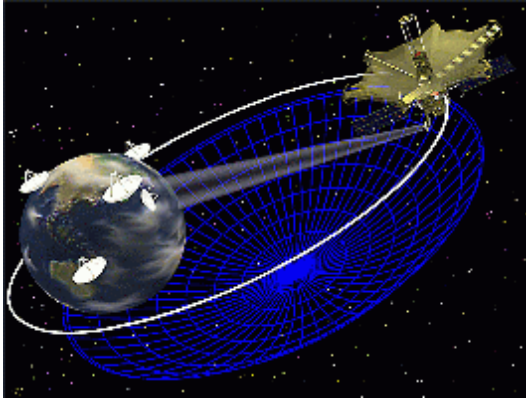
Apogee 21,000km  
6.3 hours orbit

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The ISAS satellite HALCA and the Usuda 64m antenna conducted their first observation of the quasar PKS1519-273 at a wavelength of 18cm. The spike shows the signal from the quasar. The elements --- at the VSOP correlator in Mitaka, NAO. This is a major step

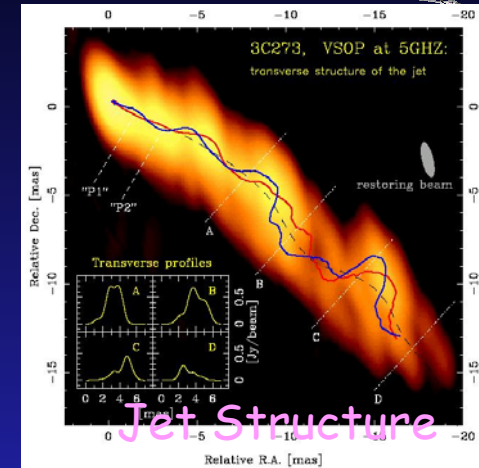






# VSOP with HALCA

- The first successful imaging space VLBI mission
- AGN environment and jet physics
  - Structure and kinematics of jet in AGN
  - Absorption near the core and study of torus structure
  - Existence of high brightness temperature sources



Jet Structure

