

# Introduction to Ishioka VLBI Observing Facility

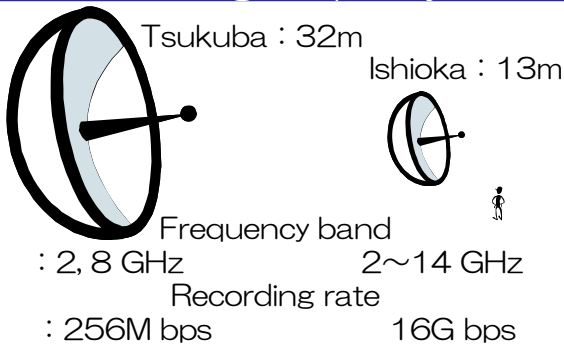
**NEW!**  
Next-generation system



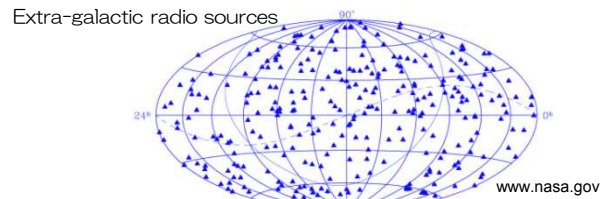
Location:  
Within Ibaraki Prefectural  
Livestock Research Center

## Comparison with Tsukuba VLBI Station (conventional VLBI system)

① Small size, wide bandwidth and large capacity



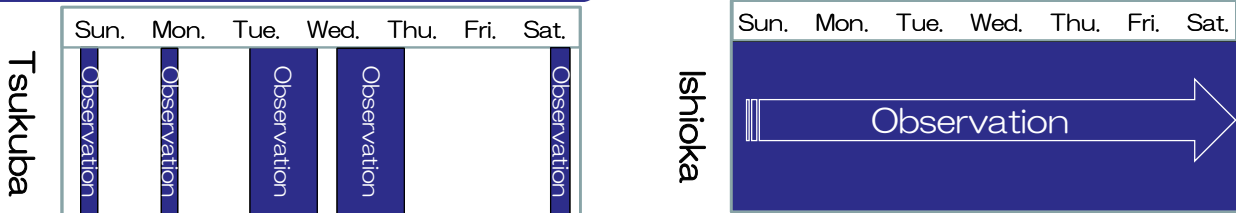
② Fast slewing



Number of sources, etc. that can be observed within 24-hour period

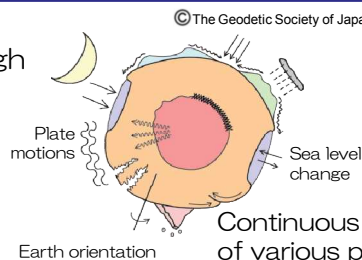
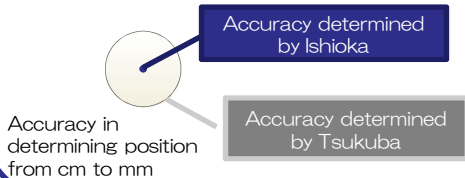
Tsukuba	Ishioka
About 500 times	About 300 times

③ Continuous observation, 24 hours a day, 7 days a week

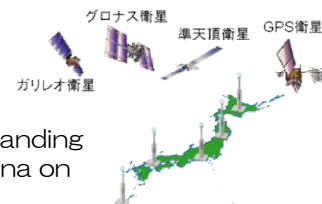


## Results of the next generation VLBI system

Determines position and velocity of Japan on the Earth with a high degree of accuracy



Provision of essential information for positioning satellite such as GPS, etc.



Continuous understanding of various phenomena on a global scale