

## International Year of Astronomy 2009 "You are Galileo!" Project Let's Observe Jupiter and the stars around it!

Observation & Sketch)

Galileo Galilei was who observed Jupi 1610 and made a g Let's experience h by yourself.

1001		Name		
o Galilei was an Italian scientist. He was the first person bserved Jupiter using his small hand-made telescope in and made a great discovery. What did he found? experience his surprise by recreating his observations urself.		Address		
		Age		
↑A hand written copy of a s	* sketch of Jupiter	Made by Galileo	Galilei on January 7, 1610.	
First observation Date			Aperture of telescope	cm
weather: Site			Magnification	x
*The magnification of a teleso	cope can be calculate	ed as follows. "Focal	length of telescope ÷ focal length of e	eye piece"

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$\bigcirc$

Second observation	Date		Aperture of telescope _	cm
weather:	Site		Magnification _	<u>x</u>
		$\bigcirc$		

## Observation & Sketch

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Third observation Date	Aperture of telescope	cm
weather: Site	Magnification	x
Fourth observation Date	Aperture of telescope	cm
weather:Site	Magnification	x

Describe your observations of Jupiter and note anything peculiar you found.

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Observations with 1 day intervals



## Let's Observe Jupiter and the Stars Around It!

Post Observation Worksheet)

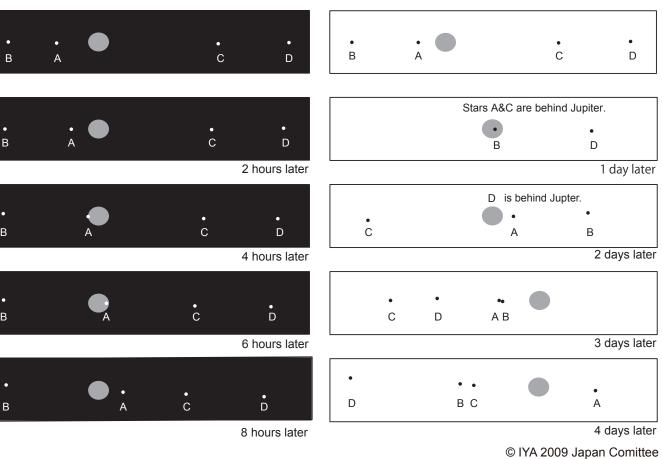
Name

• What are those bright stars around Jupiter? Make your guess. A hint: pay attention to the positions of the four stars at the various observations.



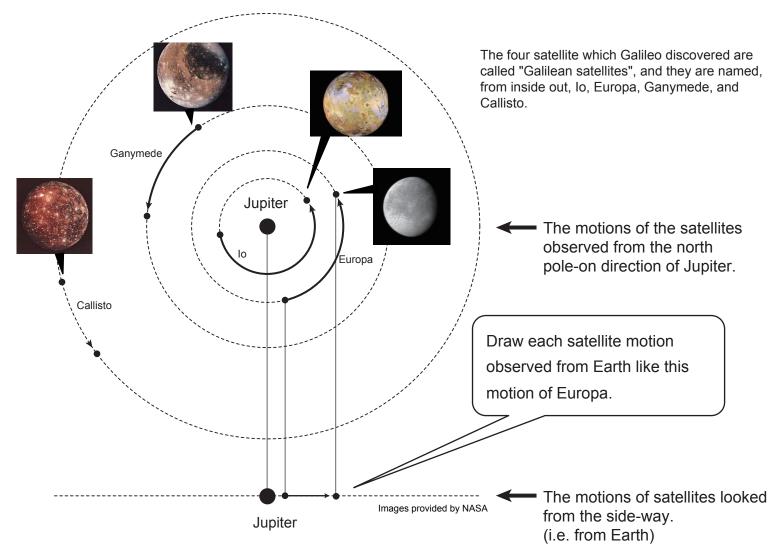
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Celestial objects that orbit planets are called "satellites". For example, the Moon is the satellite of Earth. Below is a schematic view of the motions of the satellites observed from the north pole-on direction of Jupiter. We see Jupiter and the orbiting satellites from the side-way when we are on Earth.



Summarize what you found out, what you want to know more, and what you want to examine in the future.