"You are Galileo!" Project



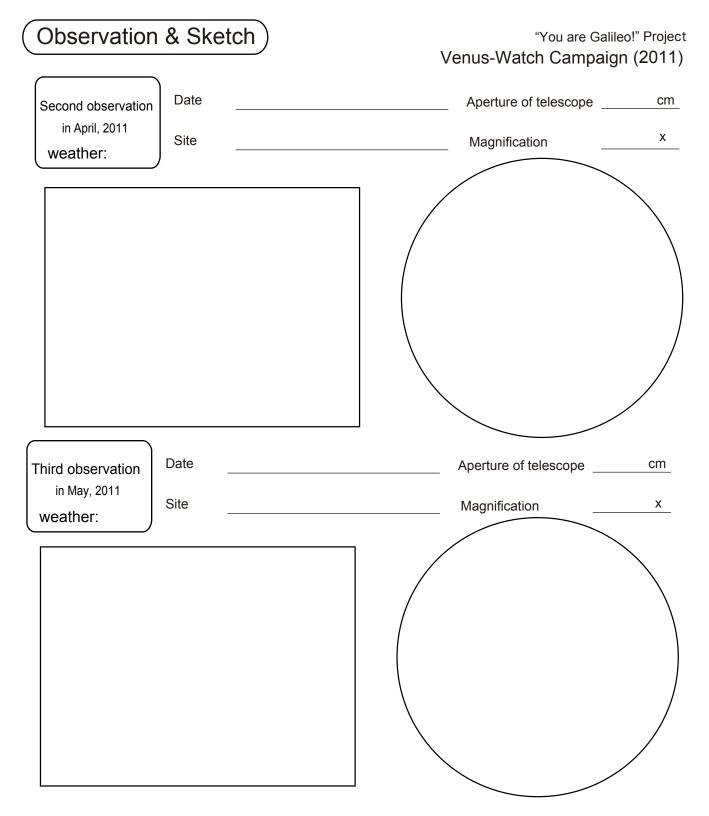
Galileo Galilei was an Italian scientist. He was the first man

Venus-Watch Campaign (2011)

Observation & Sketch

d Venus using his small hand-made telescope in d made a great discovery. What did he found? perience his surprise by recreating his observations self.		Address			
					observe and sketch V
Example	Date	18:50,Novem	ber 14, 2008	Aperture of telescope	4 cm
weather: Fair	Site	Tokyo, JAF	PAN	Magnification	35 X
	The magni	fication of a telescope	e can be calculated as fo	bllows. "Focal length of telescope ÷ f	ocal length of e
Sketch Ver	nus in detail	. Magnify!			
Evenue				Draw the size of Venus relative to the telescope's field of views	
Example				The second secon	
				Exam	ple
()		٩	
					/
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)				
First observation	Date			Aperture of telescope	cm
in March, 2011 weather:	Site			Magnification	x
)				

Name



Describe your Venus observations and note anything peculiar you found

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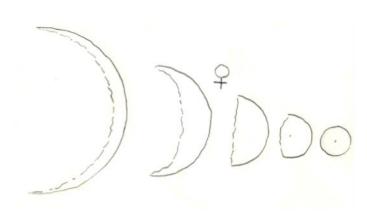
After observation workbook

Name

Did you notice changes of the size and shape of Venus though your observations?

Venus at different days

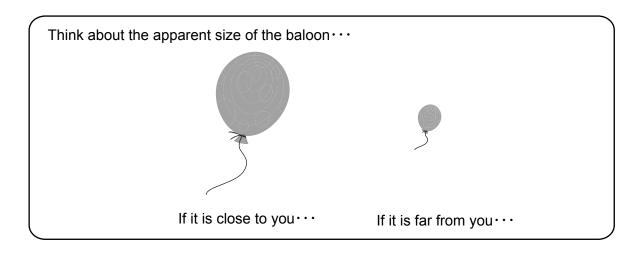




20cm refractor, 35mm single-lens reflex camera film: NEOPANSS, Pseudo color F. Fukushima NAOJ ↑ A hand written copy of a sketch of Venus drawn by Galileo Galilei

■Why did the size of Venus change?

An apparent size of the same object changes...



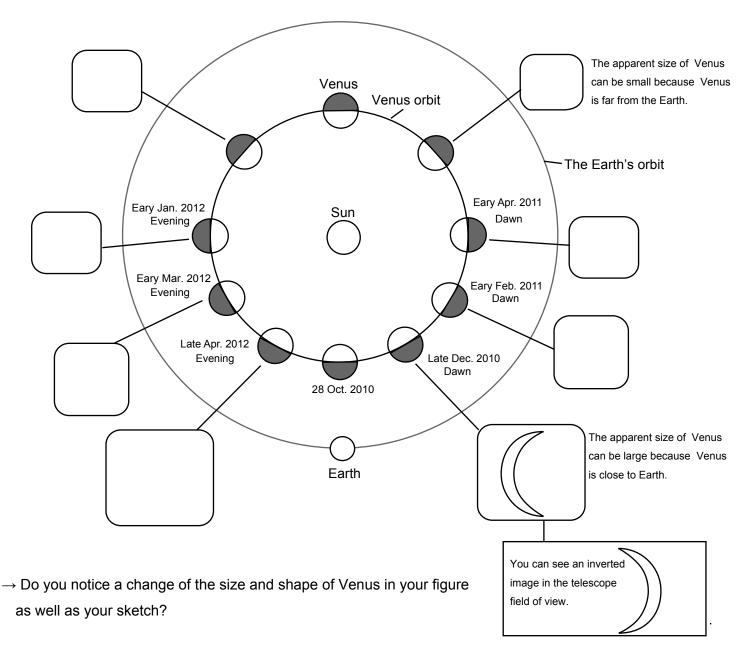
■ How about the size of Venus?

When Venus is large, it is	().
When Venus is small, it is	().

After observation workbook

■Why did the shape of Venus change? It's derived from the configuration of the Venus, Sun and the Earth. Venus and the Earth are orbiting around the Sun.

Draw the apparent figure of Venus in the boxes.



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