ACTIVITY MAPPING THE NIGHT SKY **LOCATION** MERIDIAN BUILDING



GALLERY MERIDIAN///

The Meridian Building contains many telescopes, but only four remain in their original positions. Facing the Meridian Building from the courtyard means that you are looking at the oldest on the right (the mural quadrants) and newest on the left – the Airy Transit Circle.

These instruments could be used to take measurements of stars in the night sky. Walk through the Meridian Building inside and see if you can learn a little about these special instruments by answering the following questions.

now are the motiuments a	angneu:///	
East-West	North-South	Northeast-Southwest
In which directions can the	ese telescopes move?///	
Up-Down	Left-Right	Both

(HINT: Ea this prop	ch of the telescopes has another instrument nearby to help measure erty)
(HINT: TI	e previous question leaves you with only one property to measure using
the scale	s on every telescope)
	nents could be used to map the night sky. If the instruments co
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	nents could be used to map the night sky. If the instruments co
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///
e in one	ments could be used to map the night sky. If the instruments co set of directions how can you map the whole sky?///

As you move from	oldest to newest	telescope in	this building	what two
improvements car	you see in the w	ay they are m	ounted?///	

1.	
2.	

As well as mapping stars in the night sky, astronomers at the Royal Observatory Greenwich took daily observations of the Sun at noon. The famous Greenwich Time Ball (on top of Flamsteed House) drops at 1pm every day.

If the Sun passes over the Airy Transit Circle at local noon, how far will the Sun have appeared to move in the sky when the ball is dropped?///



Degrees

