Ancient Maps & Celestial Navigation by Daniel Fisher





Holland Professional Club: November 15, 2013

Notability criteria [edi]

The list includes explorers which had contributed, and continue to contribute to human knowledge of the planet's geography, weather, biodiversity, human cultures, the expansion of trade, or established communication between diverse populations.

Although many maritime explorers also used force as part of their missions, these are not considered as a reason for exclusion from the list because it represents a subjective contemporary view of the use of force.

Ocean explorers [edit]

Nationality •	Sailed for ¢	Name e	First voyage of e exploration	Last voyage of exploration	Arotic ⁽¹⁾ •	North Atlantic	Indian •	Pacific •	South Atlantic	Southern 6
Portuguese		de Abreu, António								
Portuguese		de Albuquerque, Afonso								
Portuguese		de Alenquer,Pêro								
Portuguese		de Almeida, Francisco								
Portuguese		Alvares, Jorge								
Portuguese		de Azambuja, Diogo								
Portuguese		de Barcelos, Pêro								
Newfoundlander ¹²	1	Bartlett, Robert								
Estonian ^[3]		von Beilingshausen, Fabian Gottlieb						-44		
Danish ^[5]		Bering, Vitus								
French		de Bougainville, Louis Antoine								
British		Byron, John								
Italian	Henry VII of England	Cabol, John								
Italian	Henry VII of England and Ferdinand II of Aragon	Cabot, Sebastian								
Portuguese		Cabral, Pedro Álvares								
Portuguese ⁽⁶⁾		Cabrilho, João Rodrigues								
Venetian	Portugal	Cadamosto. Alvise								
Portuguese		Caminha, Álvaro								
Portuguese		de Caminha, Péro Vaz								

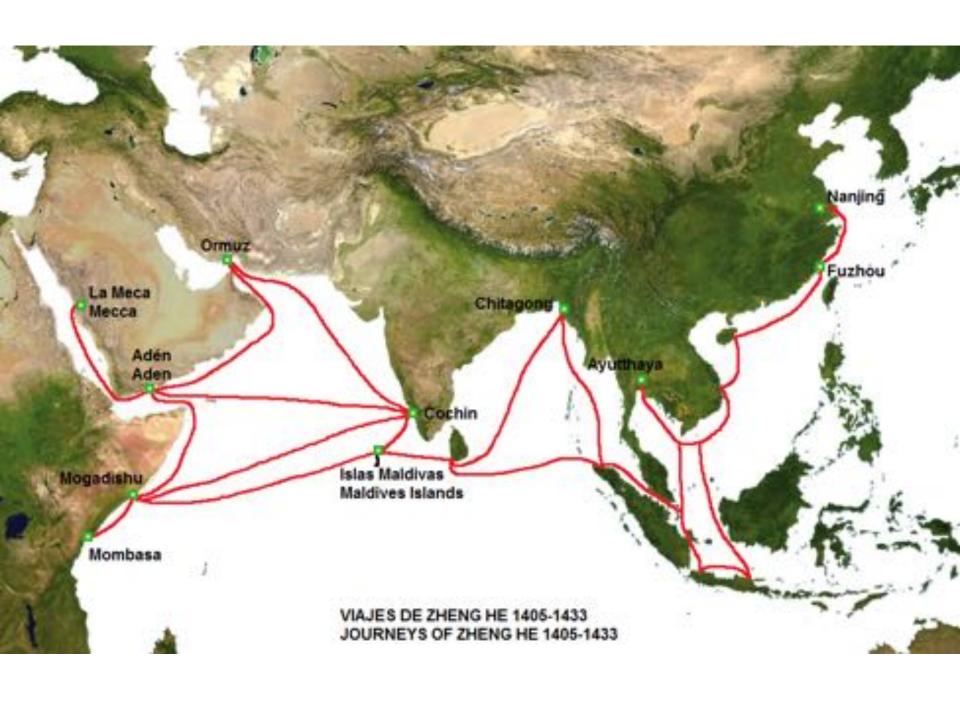
Portuguese		Cão, Diogo							
		Cartier, Jacques							
		Cavendish, Thomas							
		de Champlain, Samuel							
Portuguese		Coelho, Gonçalo							
Portuguese		Coelho, Nicolau							
Italian	Spain	Columbus, Christopher							
English	Britain	Cook, James	1768-71	1776-79			3		1
Portuguese		Corte-Real, Gaspar							- 11.0
Portuguese		Corte-Real, Miguel							
Portuguese		da Cunha, Tristão							
		Dampier, William							
English		Davis, John							
(1000000		Dezhnev, Semyon							
Portuguese		Dias, Bartolomeu							
Portuguese		Dias, Dinis							
Portuguese		Dias, Diogo							
Portuguese		Dias, Pêro							
Portuguese		do Pô, Femão							
English		Drake,Francis	1577-81	1577-81		1	1	1	
Portuguese		Eanes, Gil							
		Ericson, Leif							
Portuguese		Escobar, Pedro							
Portuguese		Fernandes, Álvaro							
		Frobisher, Martin							
Portuguese		da Gama, Estêvão							
Portuguese		da Gama, Paulo							
Portuguese		da Gama, Vasco							
		Gilbert, Humphrey							
		Golovnin, Vasily							
Portuguese		Gonçalves, André							
Portuguese		Gonçaives, Antão							

Portuguese		nçaives, Lopes			
Portuguese		ogo, João			
Chinese		eng, He			
		son, Henry			
Portuguese		nte, João			
	von	Kotzebue, Otto			
		renshtem, Fedorovich			
Portuguese		ador, João emandes			
		rev, Mikhail etrovich			
Portuguese		Lemos, Saspar			
		e, Fyodor etrovich			
Portuguesie		agellan, erdinand			
	le Mi	aire, Jacob			
Portuguese	Marti	ins, Álvaro			
Portuguese		cerenhas, Pedro			
Spanish		Mendafa, Álvaro			
Genoese	Portugal Noi	i, António			
Portuguese		Noronha, Femão			
Portuguese	da N	lova, João			
-	Paulr	myer, Binot			
Portuguese		ira, Duarte acheco			
Portuguese		restrelo, rtolomeu			
	Pin	ng, Didrik			
Portuguese		to, Femão Mendes			
Portuguese	Pir	res, Luis			
Portuguese		Queirós, Fernandes			
Portuguese		gues, Diogo			
Portuguese		Santarém, Jolio			
		chouten, Willem			

Portuguese	Silves, Diogo			
Portuguese	de Sintra, Pedro			
Portuguese ^[7]	Soromenho, Sebestião Rodrígues			
Portuguese	de Sousa, Martim Afonso			
	Tasman, Abei			
Portuguese	Teixeira, Tristão Vaz			
Portuguese or Spanish (Galician)	de Torres, Luis Váez			
Portuguese	Tristão, Nuno			
	Vancouver, George			
Portuguese	Vaz Corte-Real, João			
Portuguese	Velho, Gonçalo			
	da Verrazzano, Giovanni			
Italian	Vespucci, Amerigo			
	Wallis, Samuel			
	Wrangel, Ferdinand Petrovich		•	
Portuguese	Zarco, João Gonçalves			

	Portuguese		Gonçalves, Lopes				
	Portuguese		Grego, João				
	Chinese		Zheng, He			*	
	200,000		Hudson, Henry				
	Portuguese		Infante, João				
			von Kotzebue, Otto				
			Kruzenshtem,				
			Ivan Fedorovich				
	Portuguese		Lavrador, João Fernandes				
			Lazarev, Mikhail Petrovich				
	Portuguese		de Lemos, Gaspar				
			Litke, Fyodor Petrovich				
	Portuguese		Magellan, Ferdinand				
			le Maire, Jacob				
	Portuguese		Martins, Álvaro				
	Portuguese		Mascarenhas, Pedro				
	Spanish		de Mendaña, Álvaro				
	Genoese	Portugal	Noti, Antônio				
	Portuguese		de Noronha, Fernão				
	Portuguese		da Nova, João				
			Paulmyer, Binot				
	Portuguese		Pereira, Duarte Pacheco				
	Portuguese		Perestrelo, Bartolomeu				
			Pining, Didrik				
	Portuguese		Pinto, Femão Mendes				
	Portuguese		Pires, Luis				
			de Queirós,				- 10
	Portuguese		Pedro Fernandes				
	Portuguese		Rodrigues, Diogo				
	Portuguese		de Santarém, João				
			Schouten, Willem				







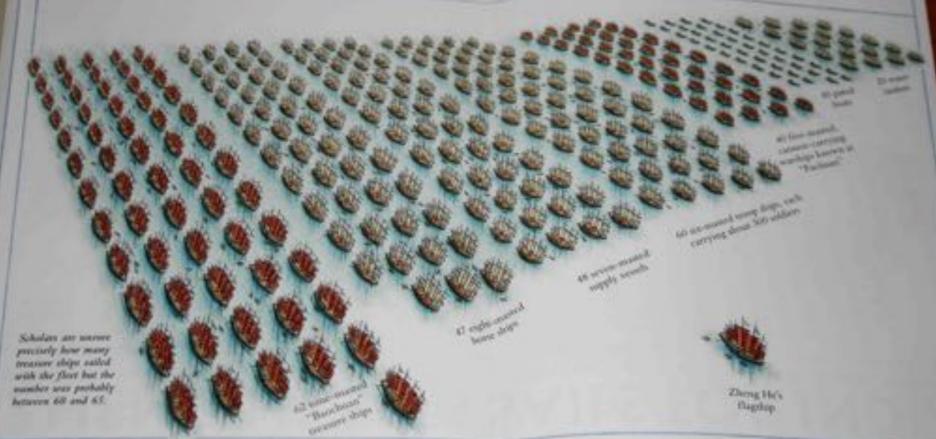


THE FIRST TREASURE FLEET

print the desired for the desired of the state of the sta

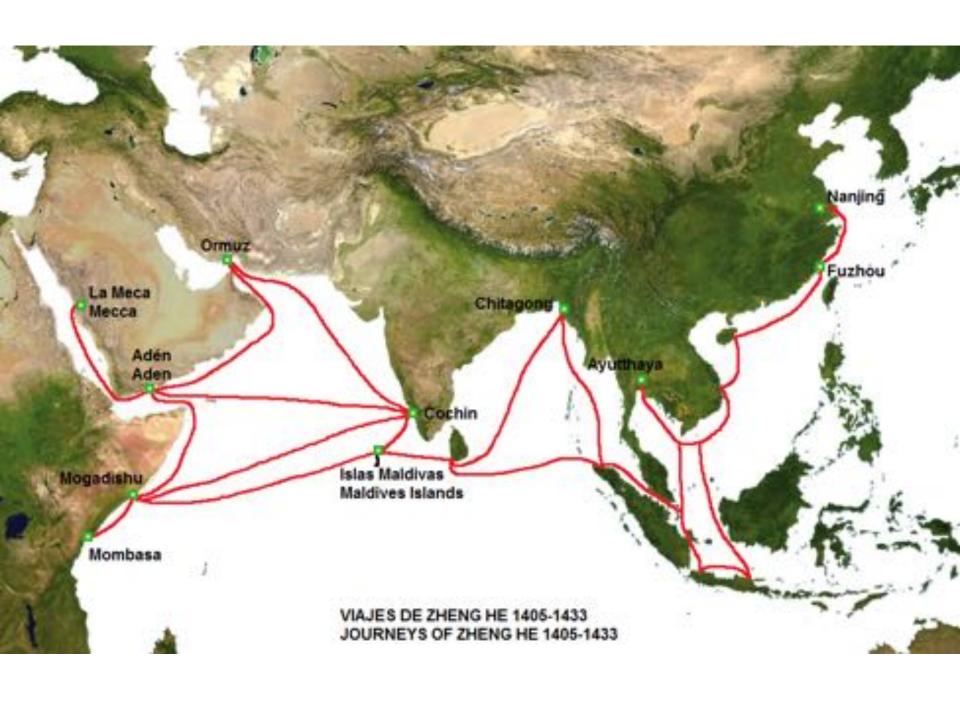
the more vulnurable cargo ships. The secocle communicated with each other by drums, equalsil, going, bottom and even carrier parent.

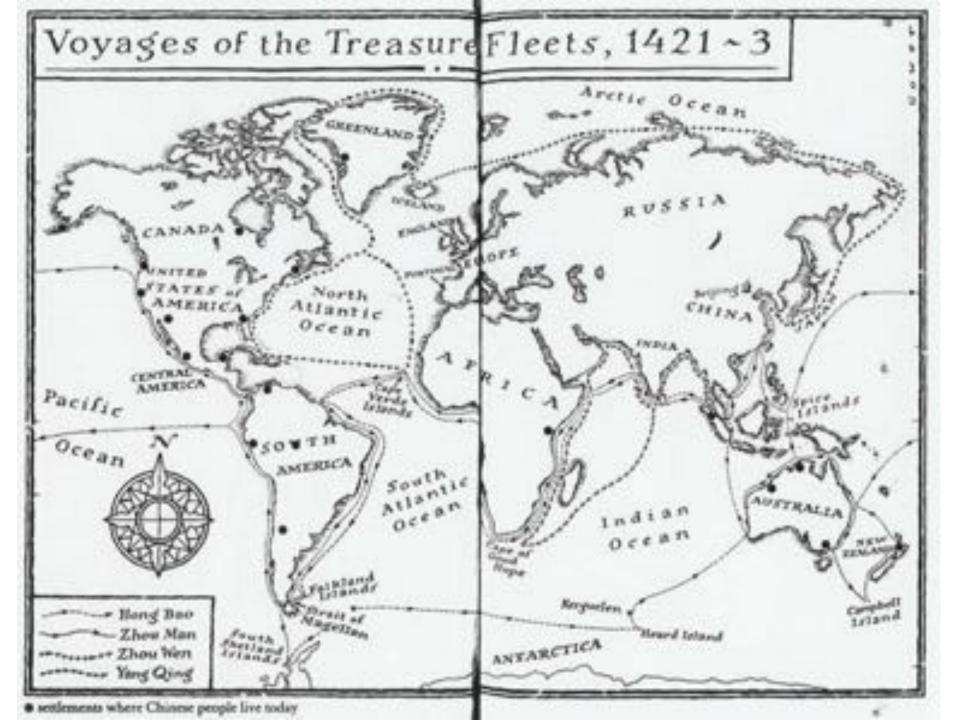
(200 Dr.) Treasure Pleas, represented in this parties, was the largest group of Ange care to out under a single communities. Where is we, they would have dispersion a military ferrousess, with the wordsqueed patent beam on military



flugdop.







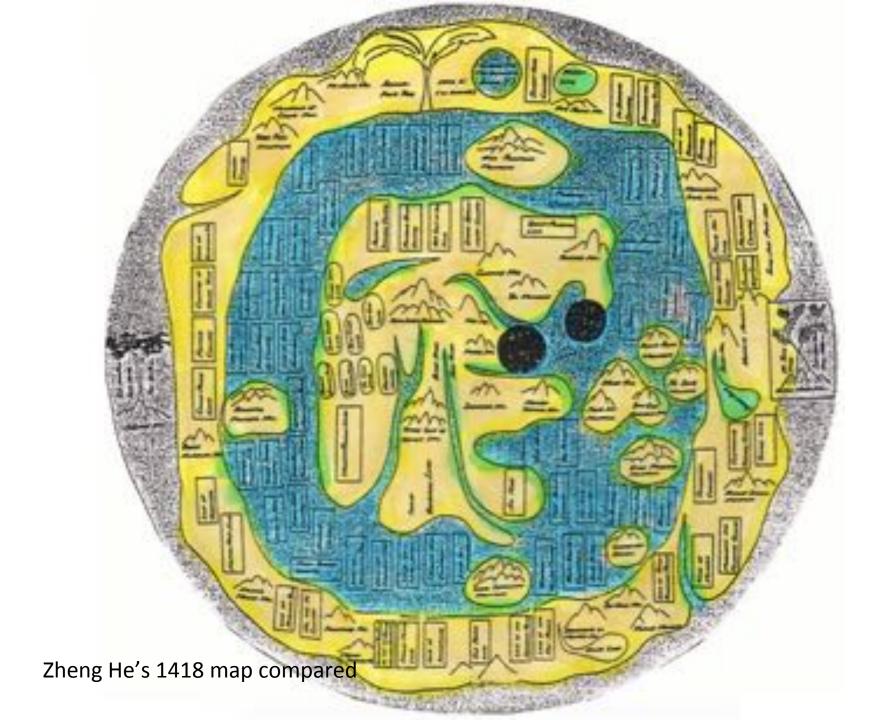


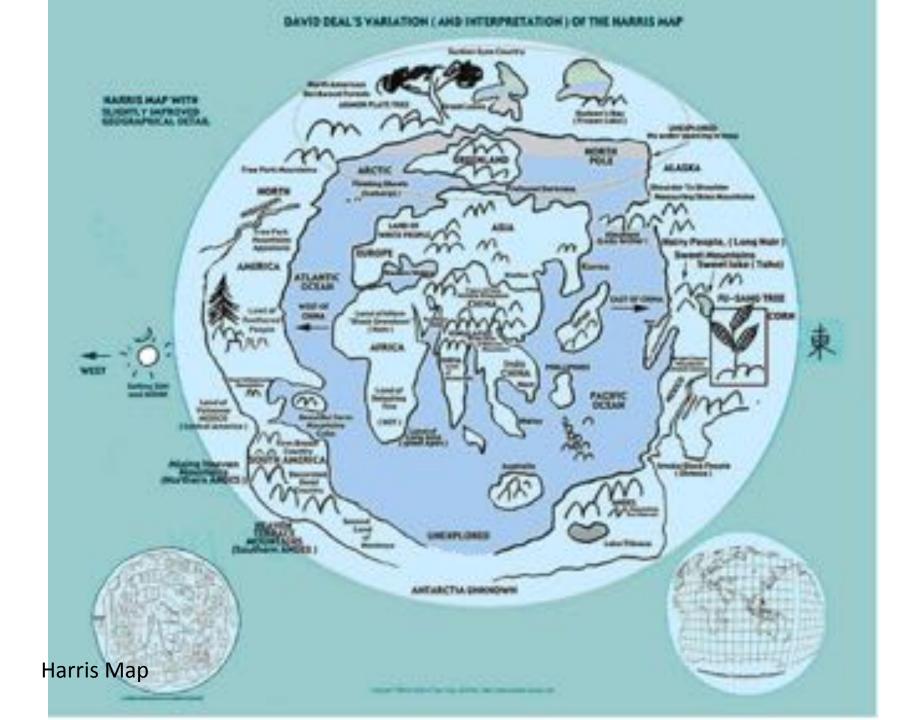
1418 Map





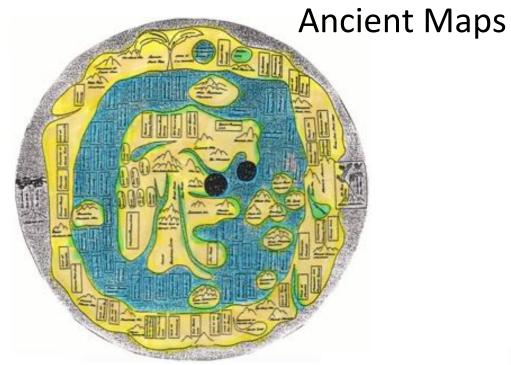
Ocean Currents







Song Dynasty map of 1137.

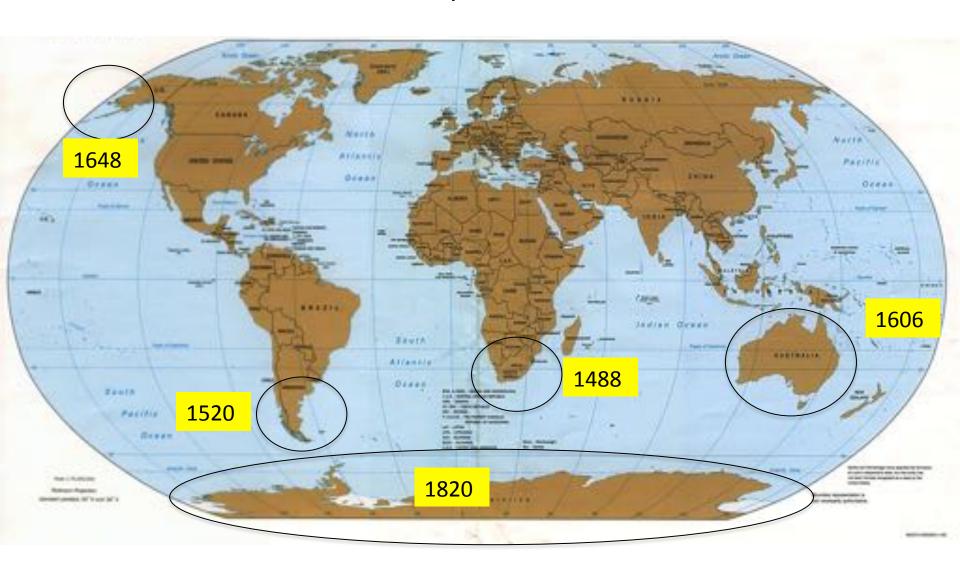








First Explorations:



Bering Strait: Discovered 1648?.....or 1728?



Wikipedia: In 1648, Semyon Dezhnoyov probably passed through the strait, but his report did not reach Europe. Danish-born navigator Vitus Bearing entered it in 1728 and is the one who gets the credit for its discovery.

Bering Strait: Discovered 1648?.....or 1728?

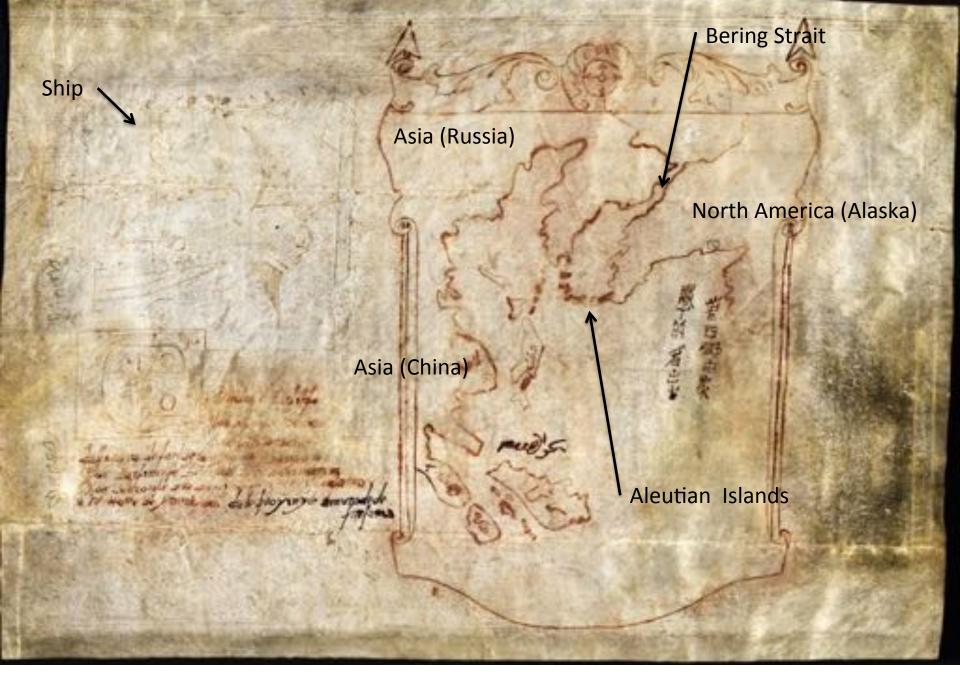


Doge's Palace Map: before 1428

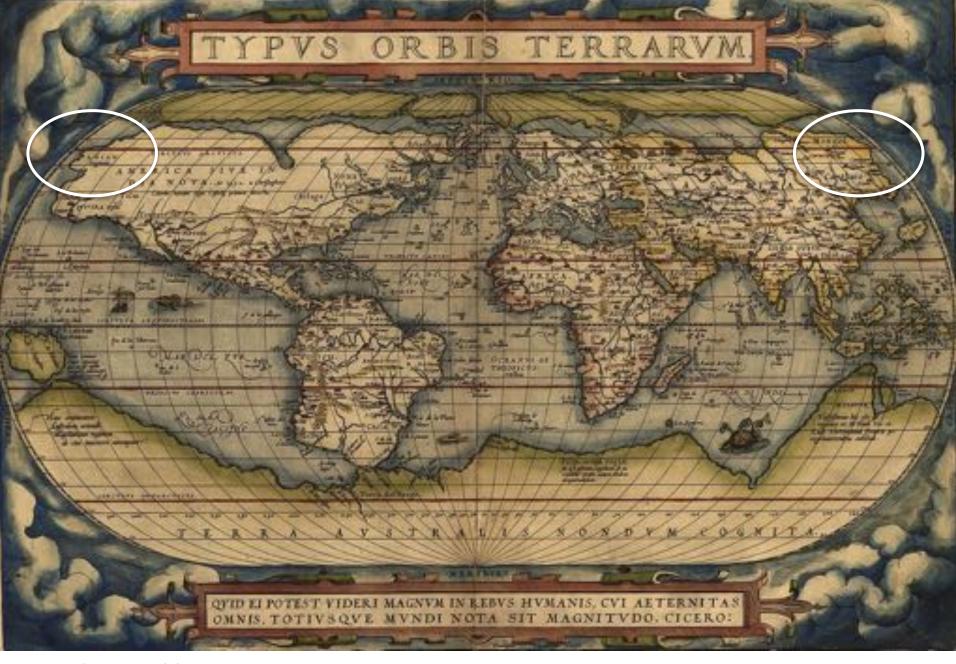
Bering Strait: Discovered 1648?.....or 1728?



Doge's Palace Map: before 1428

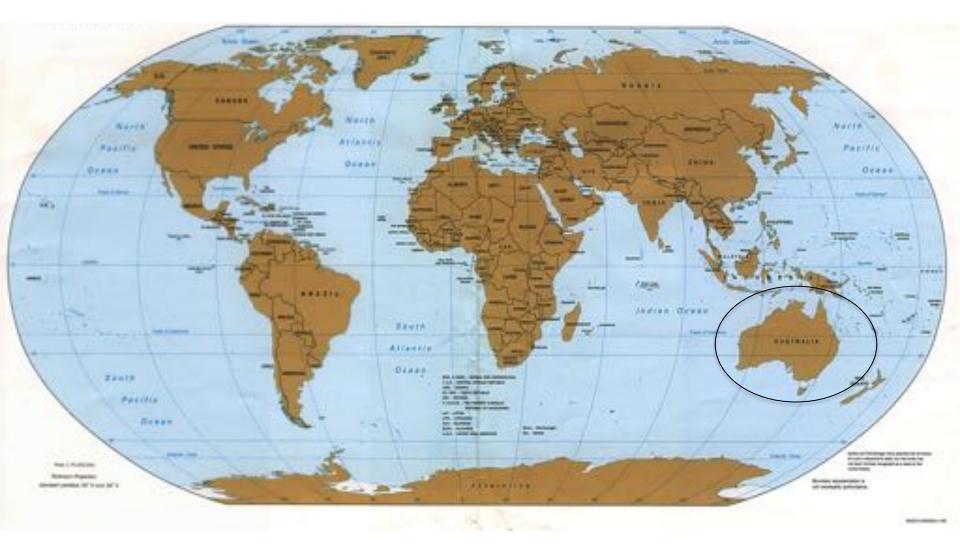


Map with ship. Rossi collection: Marco Polo



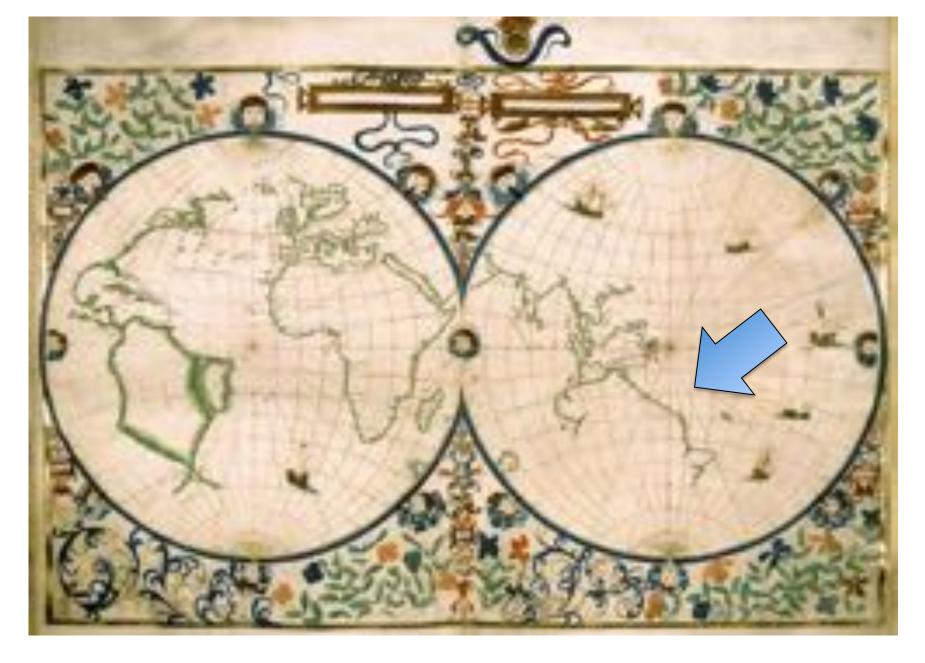
Ortelius World Map: 1570

Australia: 1606

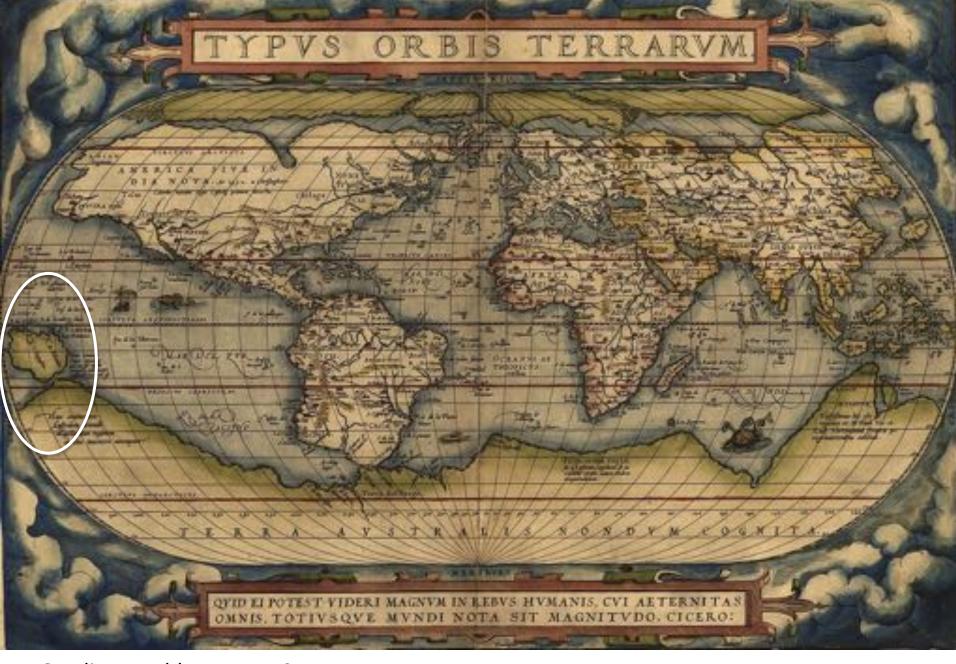


Wikipedia: After the discovery of the continent by Dutch explorers in 1606, Australia's eastern half as claimed by Great Britain in 1770...



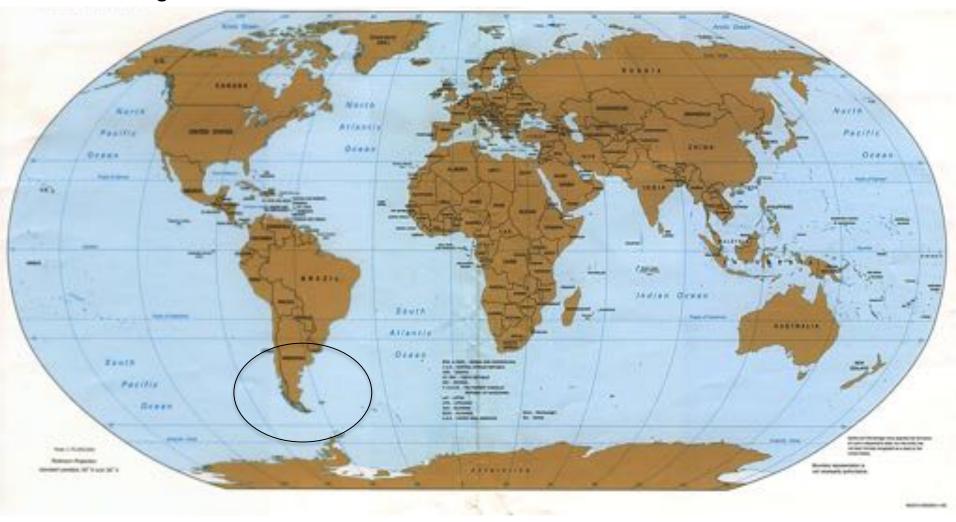


Jean Rotz: 1542



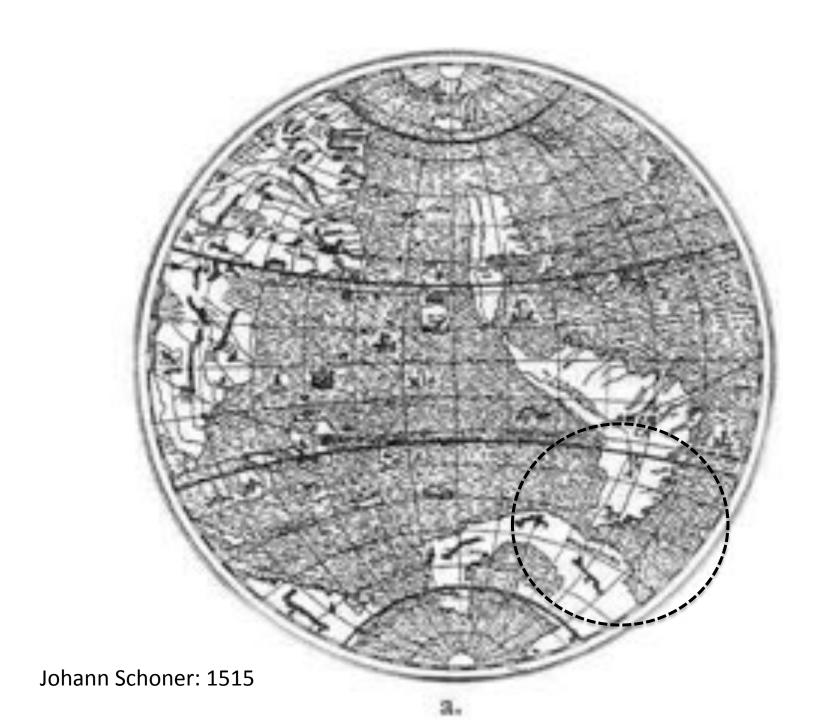
Ortelius World Map: 1570

Strait of Magellan: 1520



Wikipedia: Magellan's ships entered the strait on November 1, 1520



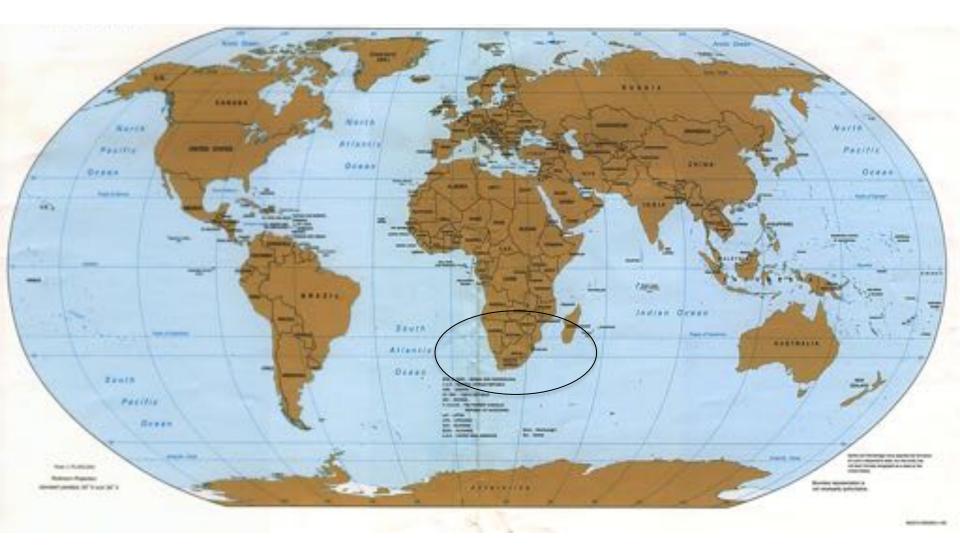




Johann Schoner: 1520



Rounding the Cape of Good Hope: 1488



Wikipedia: The first European to reach the cape was the Portuguese explorer Bartolomeu Dias in 1488, who named it the "Cape of Storms". It was later renamed by John II of Portugal as "Cape of Good Hope" because of the great optimism engendered by the opening of a sea route to India and the East.



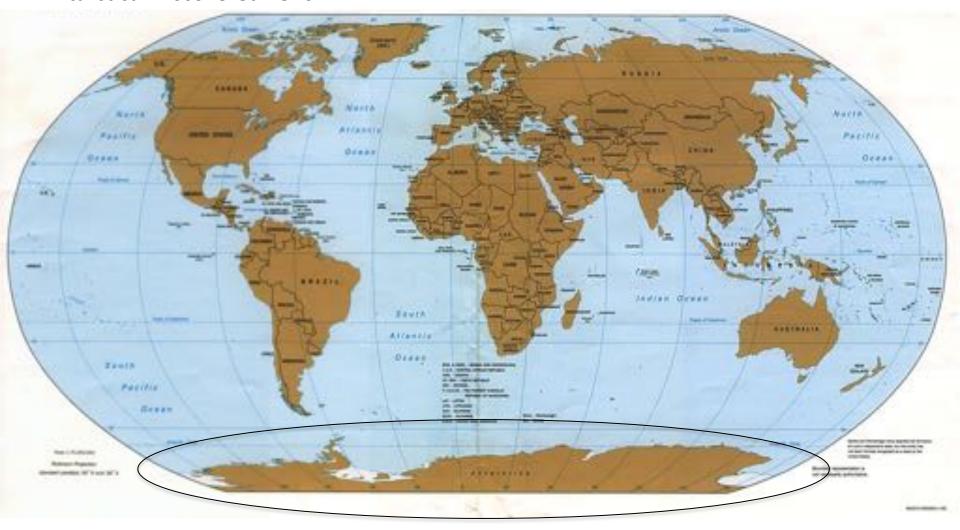




Da Ming Hun Yi Tu World Map: 1389



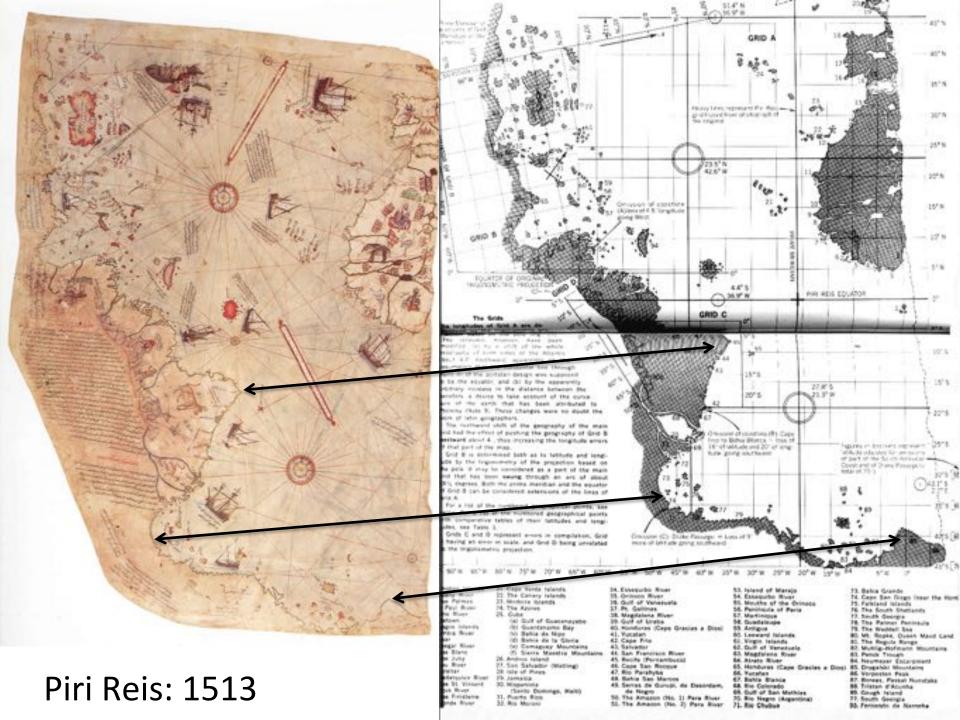
Antarctica: Discovered 1820

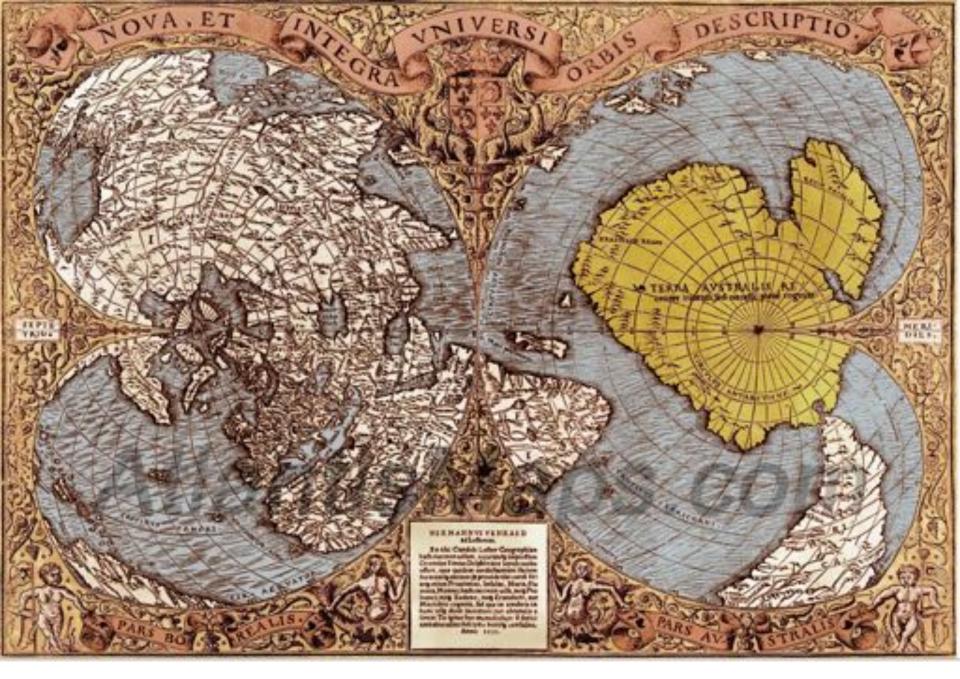


Wikipedia: In 1820, several expeditions claimed to have been the first to have sighted Antarctica, with the very first being the Russian expedition led by Fabian Gottlieb von Bellingshausen and Mikhail Lazerev. The first landing was probably just over a year later when American Captain John Davis, a sealer, set foot on the ice.



Piri Reis: 1513





Oronteus Finaeus: 1531

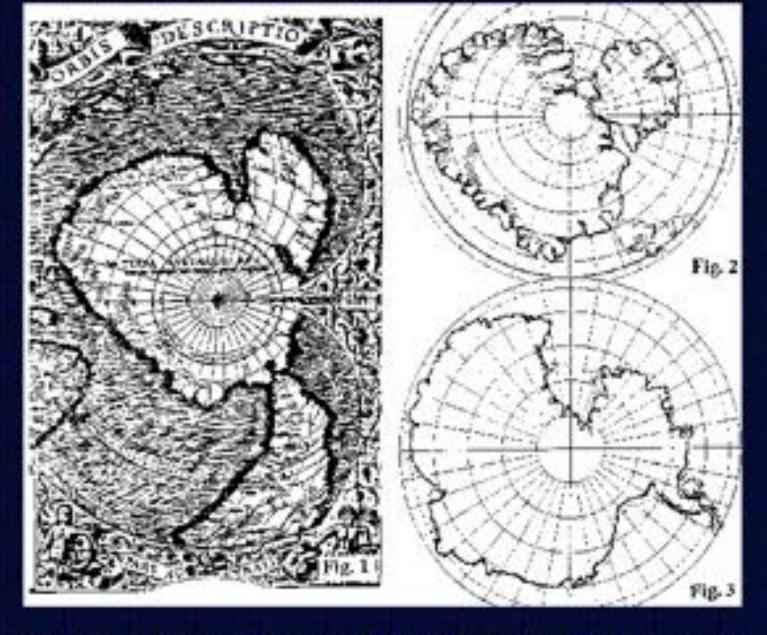
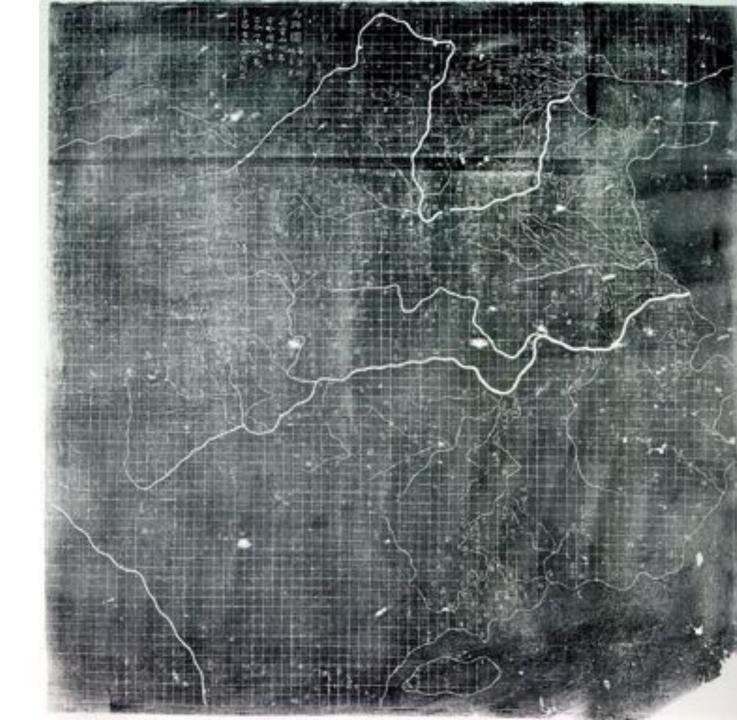


Figure 1 - The Oronteus Finaeus map of 1532, southern hemisphere Figure 2 - The Oronteus Finaeus map redrawn on a modern polar projection Figure 3 - A modern map of Antarctica drawn on a modern polar projection

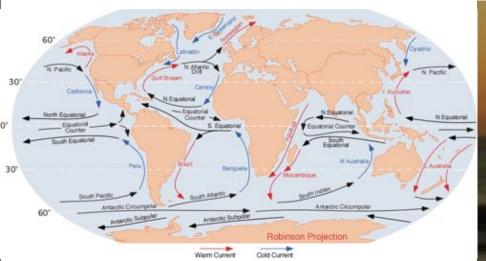




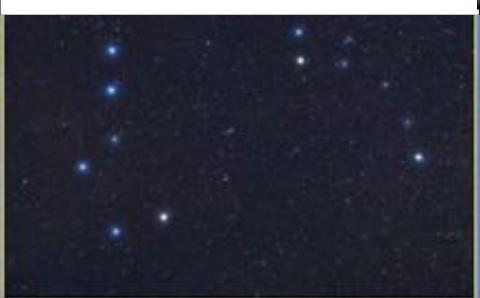


Song Dynasty Map: 1137 A.D.

Basic Navigation Tools



Ocean Currents & Seasonal Winds



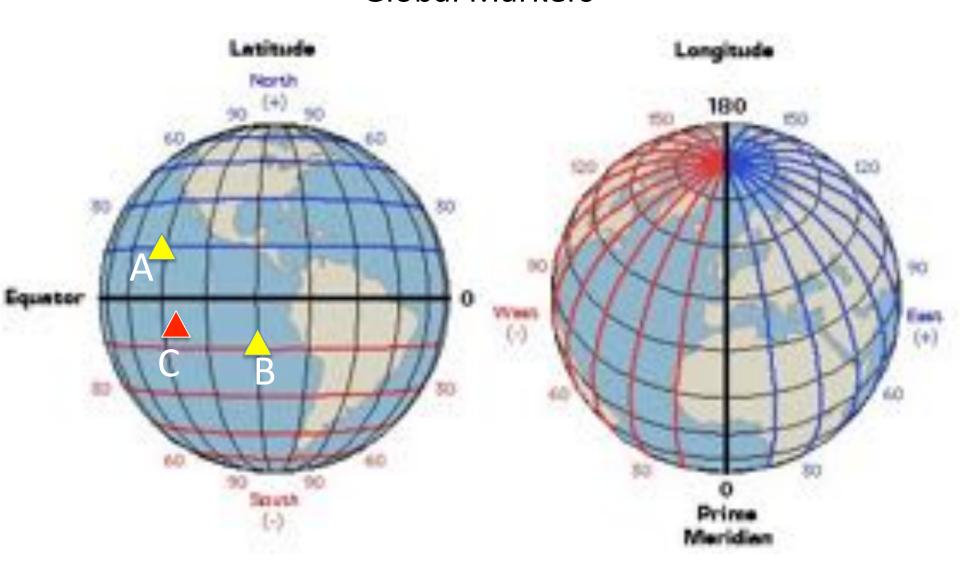
Polaris (North Star)

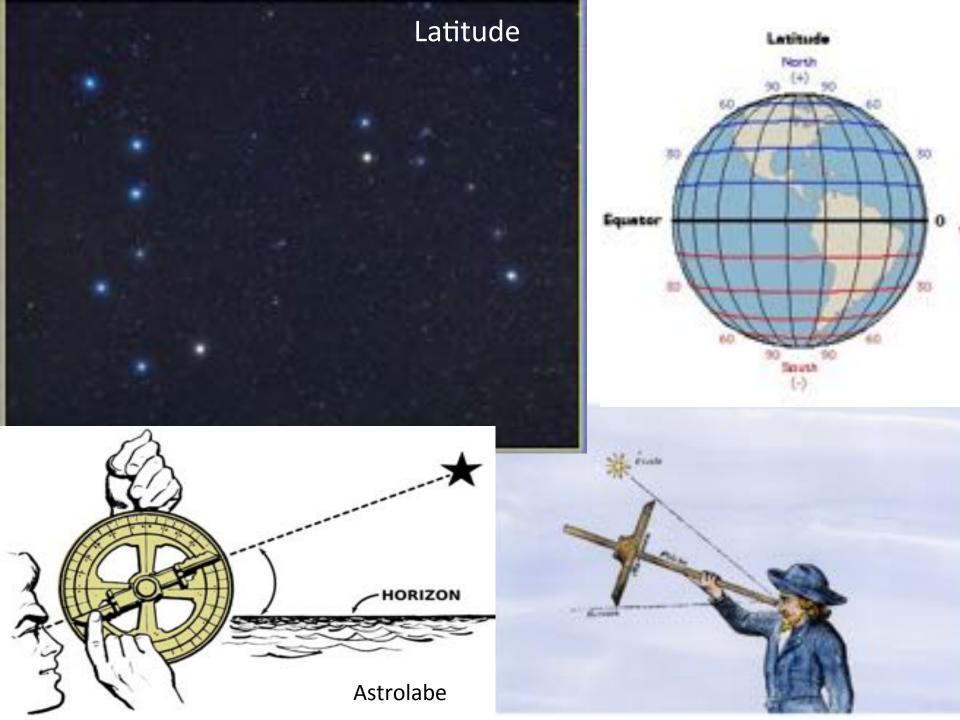


Compass

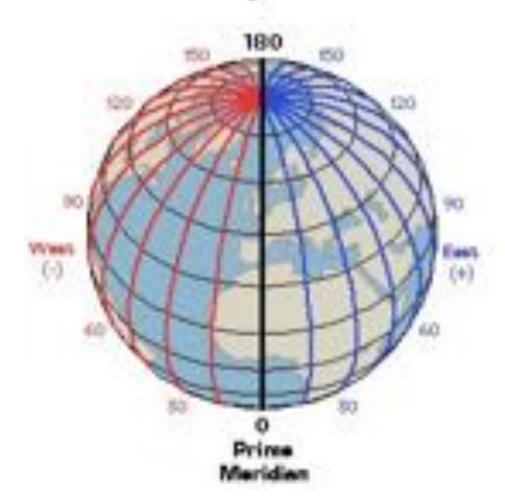


Global Markers

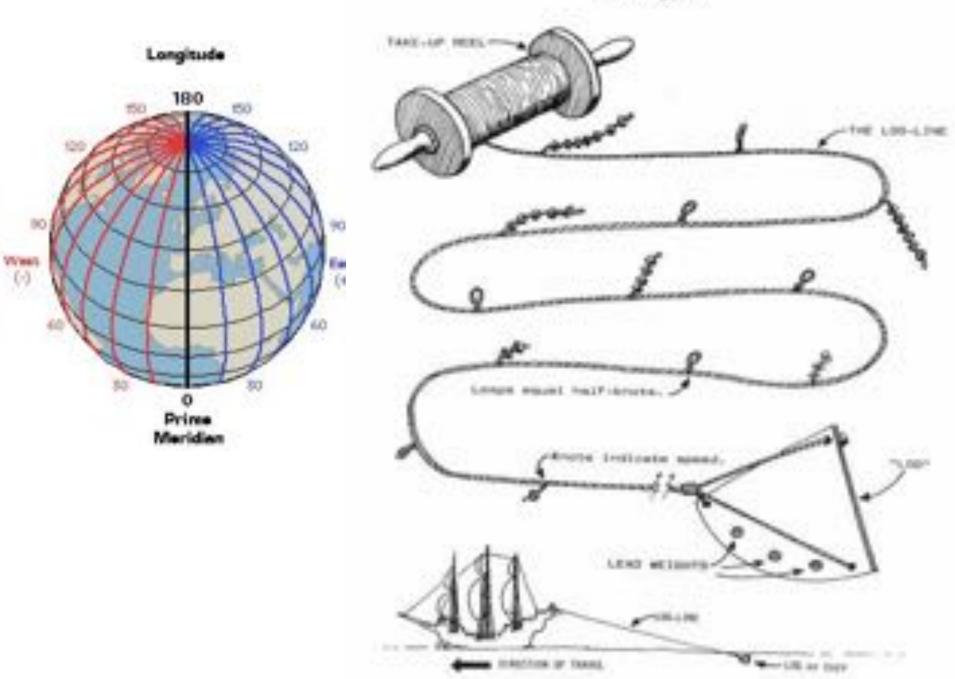




Longitude



The Log-line



180



1763 Chronometer

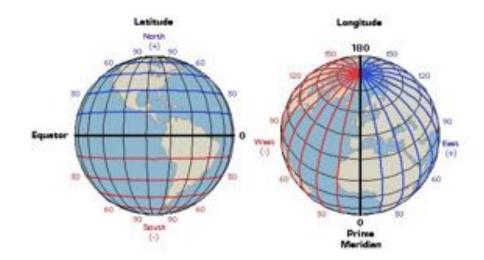


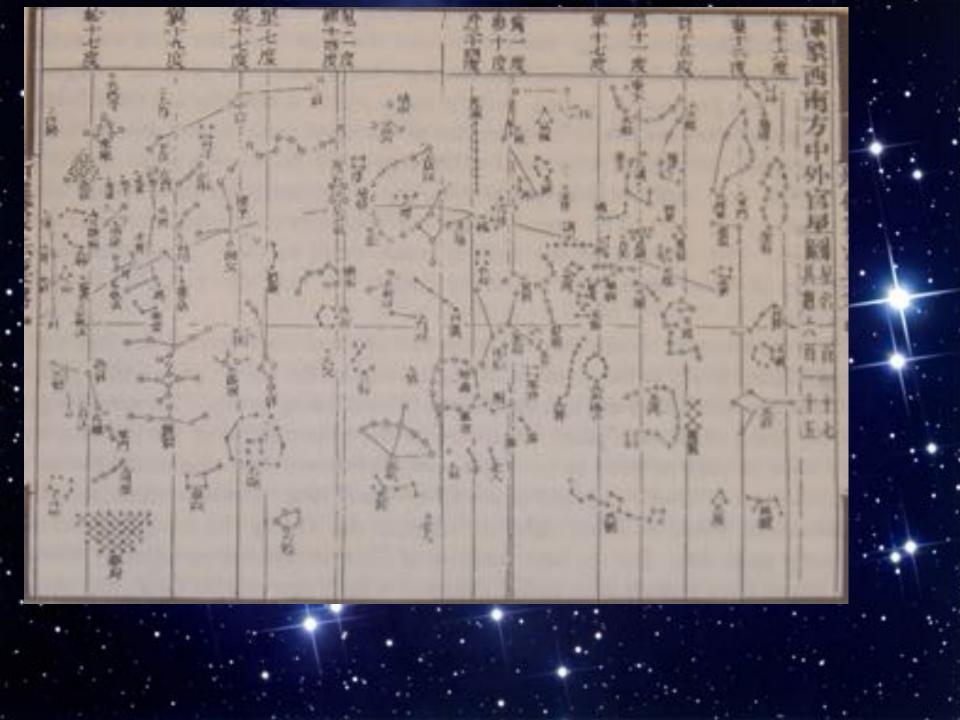
		(-040)	arch	71.000	5//	
Selfedergelet				3.	3	
•	8		2			BB Netton
11	12	13	14	18	54	17
**	19	20	21	31	39	34
20	24	37	28	20	30	21





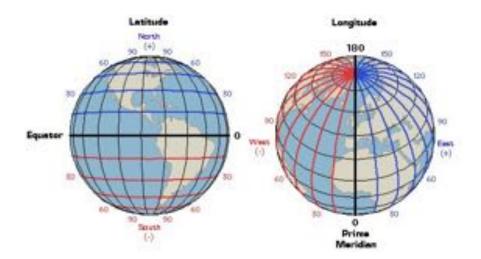
March 2013						
Seldedelpton				100	3	3
•	5		7			18
11	12	19	14	35	54	17
**	10	20	21	31	39	34
20	26	37	28	28	30	21

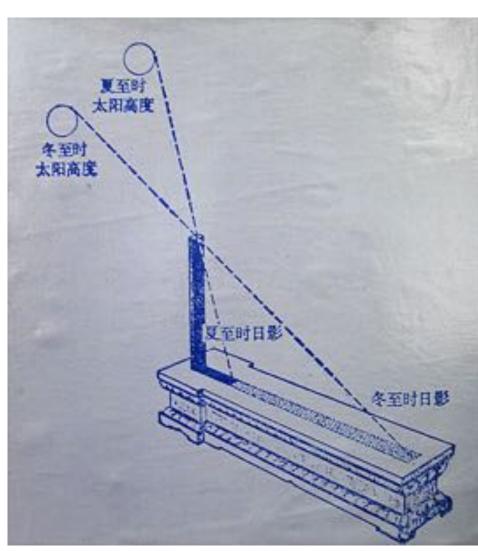




March 2013						
Seldedelptos				1	3	3
	5		2			18 heron
II.	12	1.9	14	38	56	17
**	19	29	21	31	19	34
20	24	39	26	20	30	21





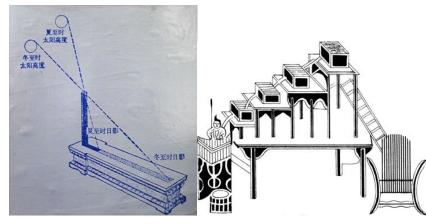


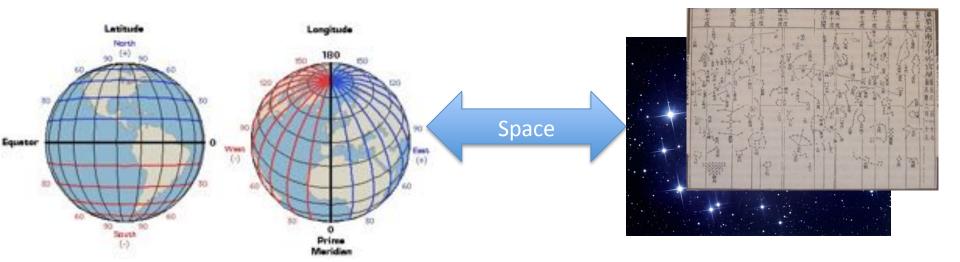










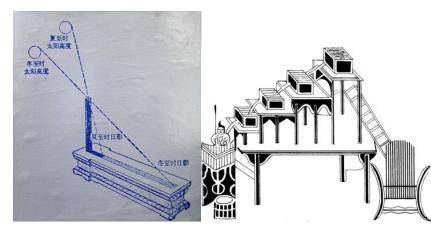


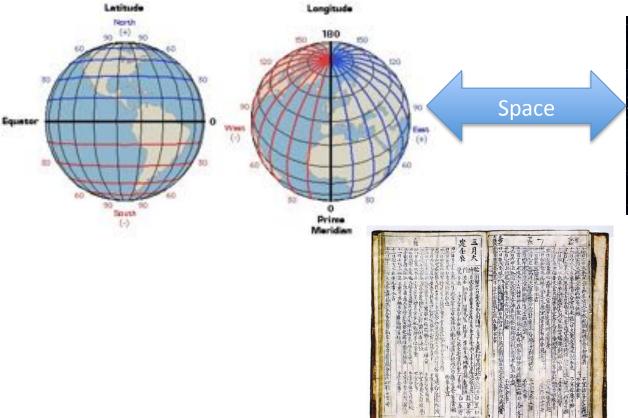


Ephemeris table from the Pepysian Library, Cambridge University.

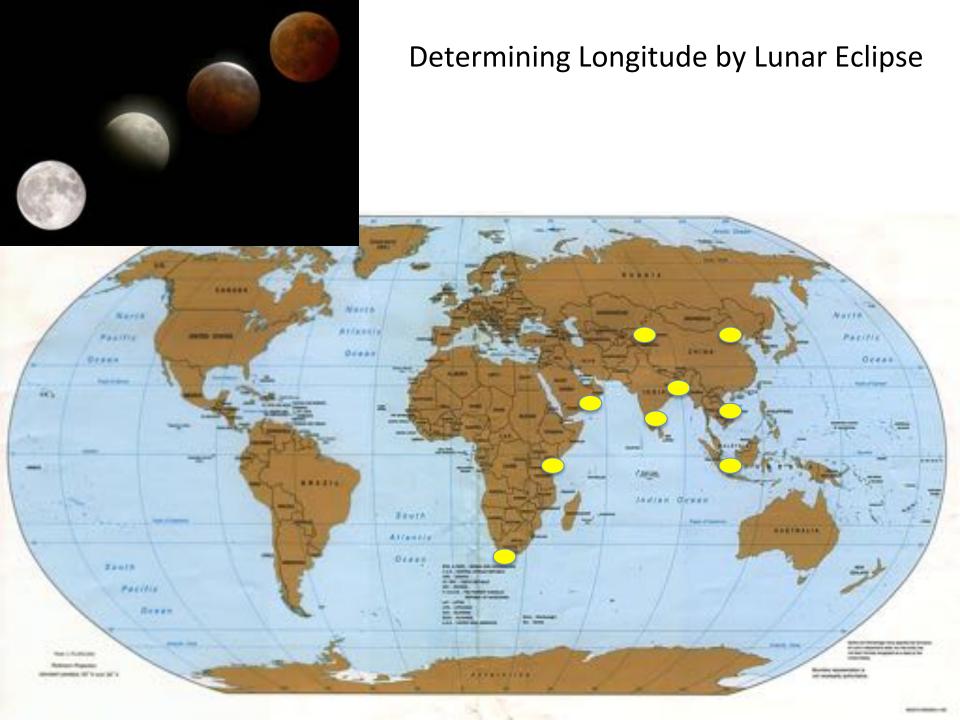


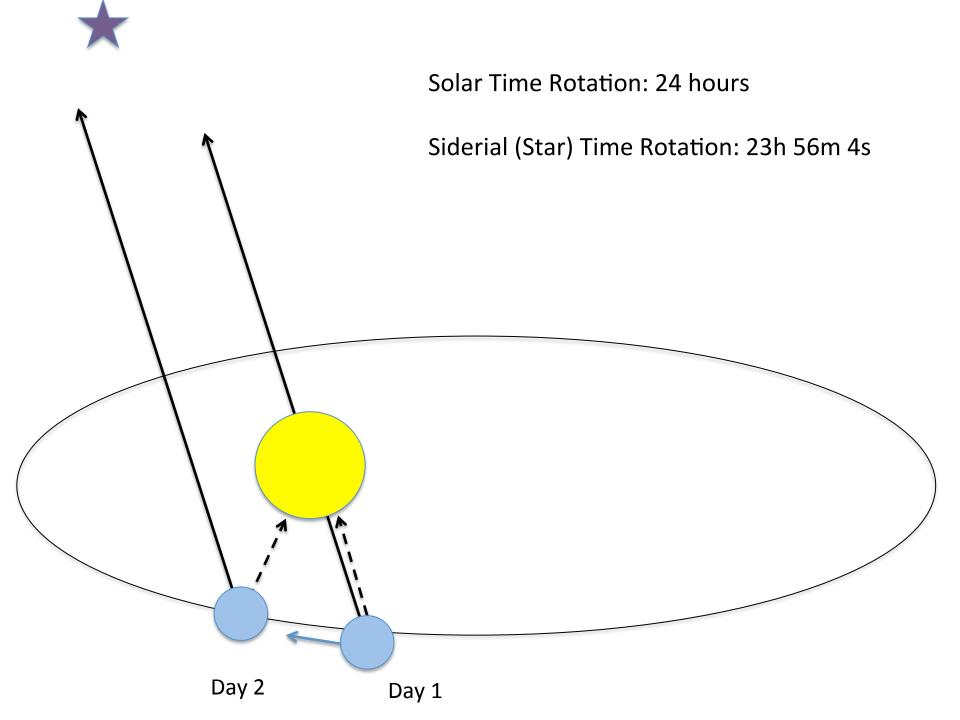




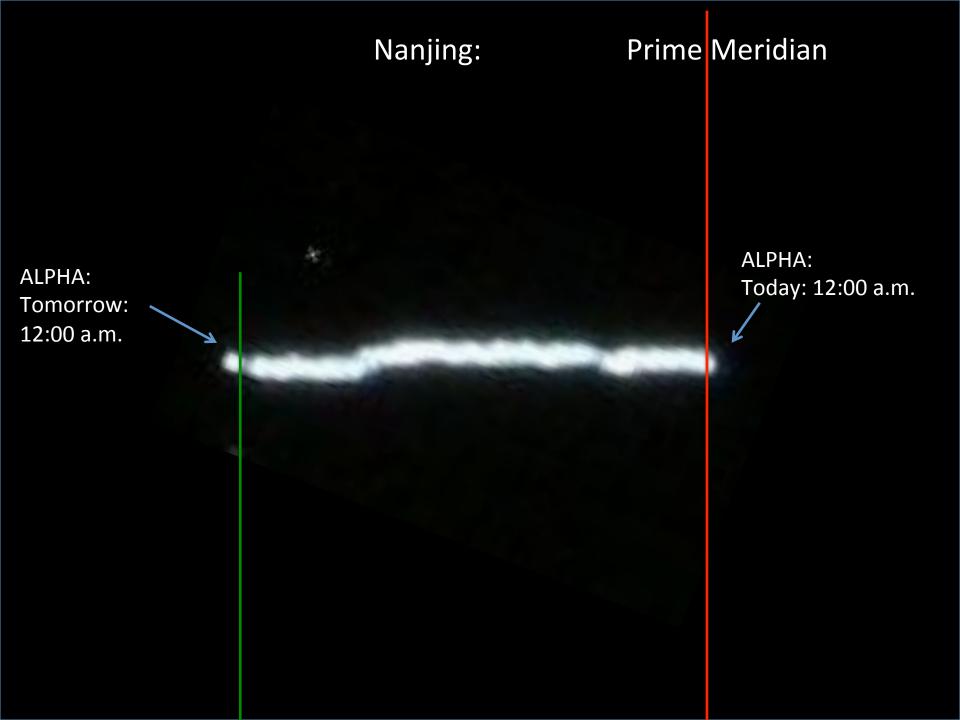


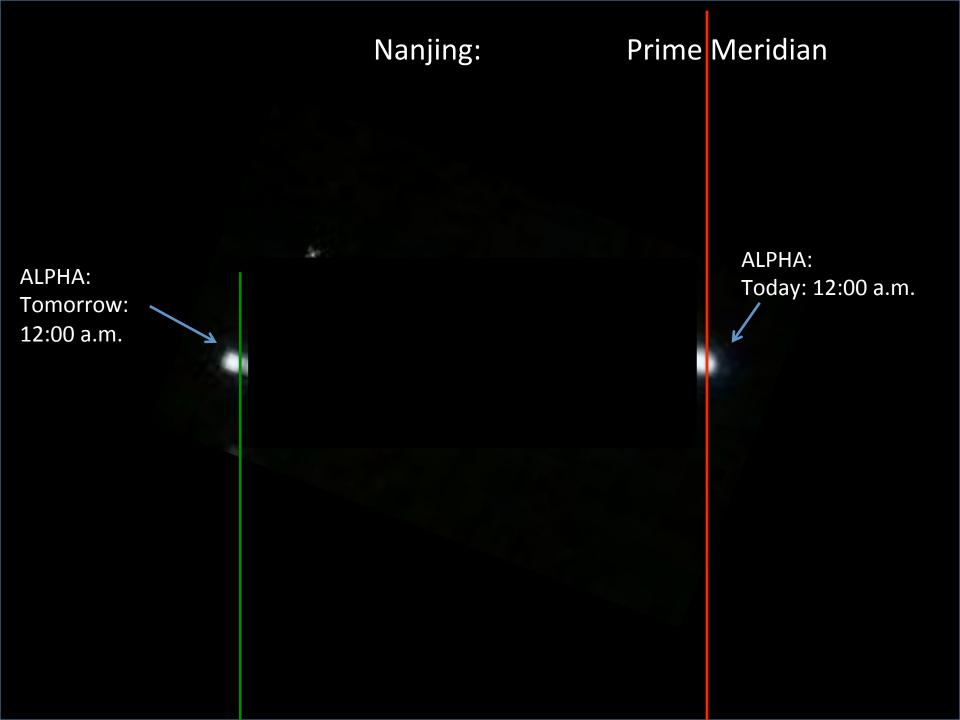
Ephemeris table from the Pepysian Library, Cambridge University.

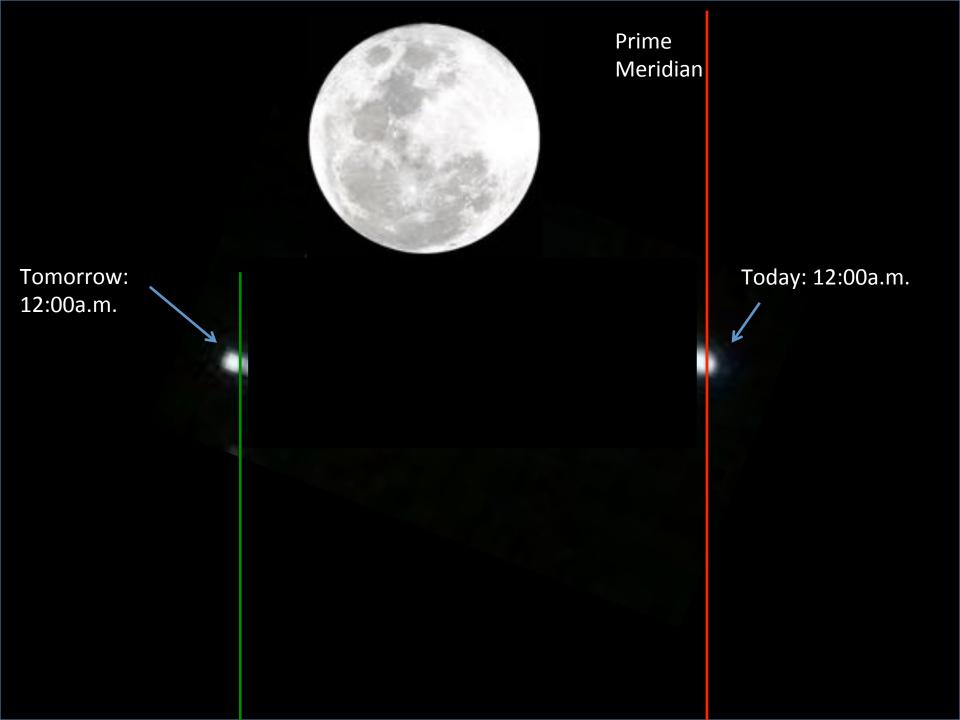










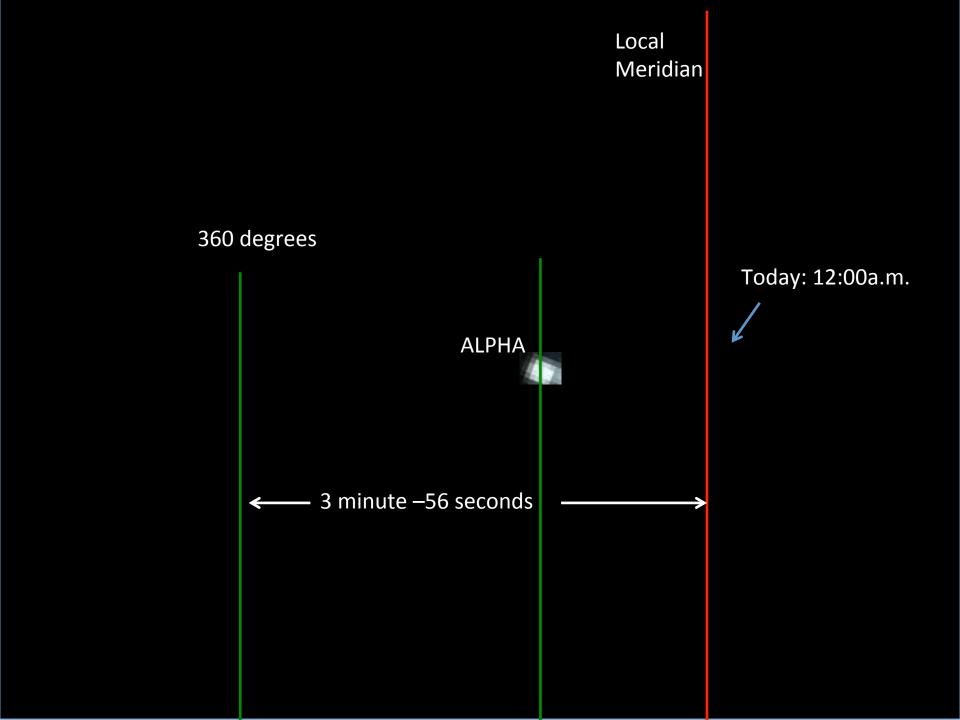


Nanjing Prime Meridian

360 degrees

Tomorrow: 12:00a.m. ALPHA Today: 12:00a.m.

ALPHA



Local Meridian

360 degrees

120 degrees

ALPHA

Today: 12:00a.m.

1

1 minute – 19 seconds

Ancient Maps & Celestial Navigation by Daniel Fisher





Holland Professional Club: November 15, 2013