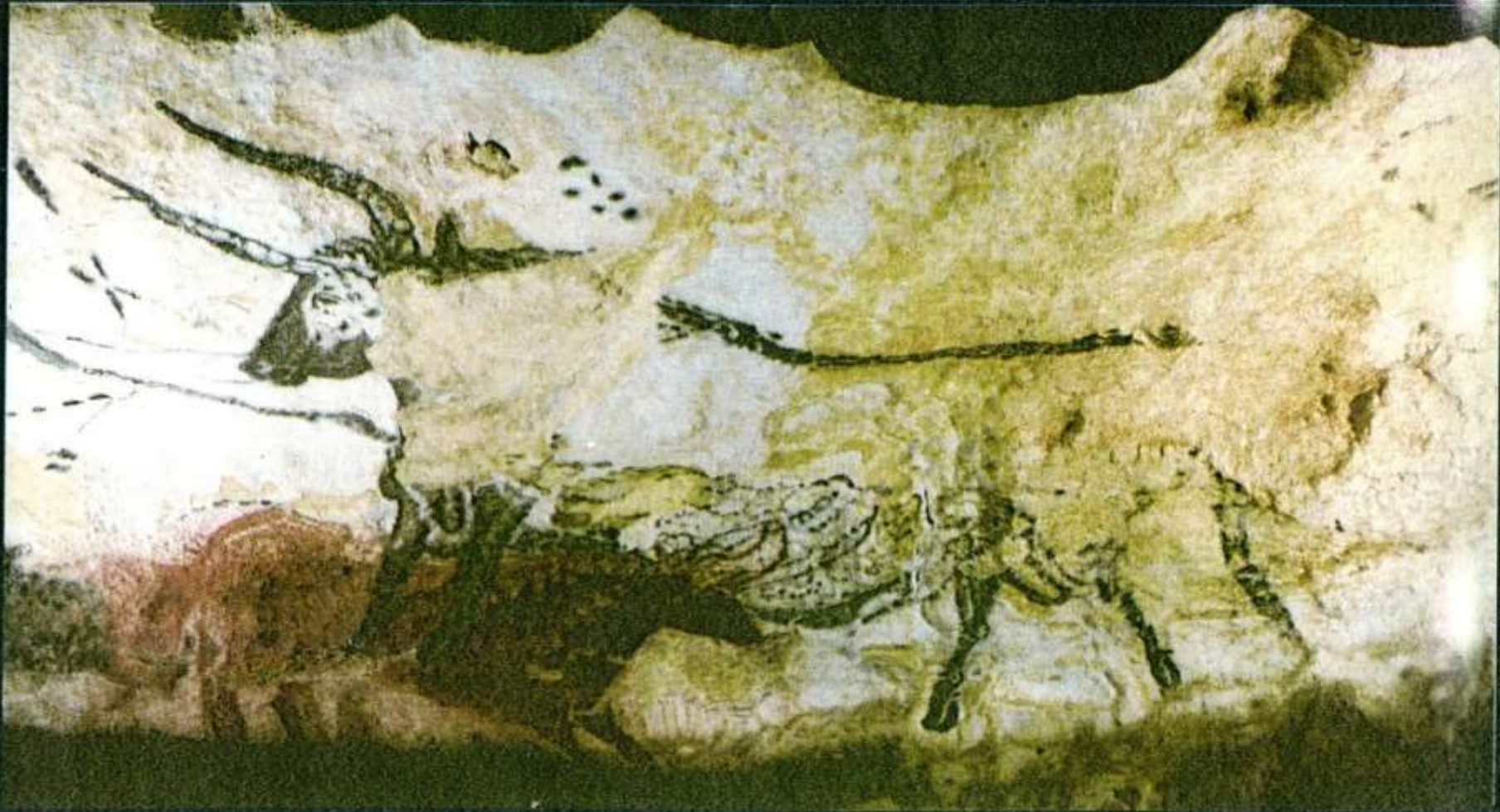
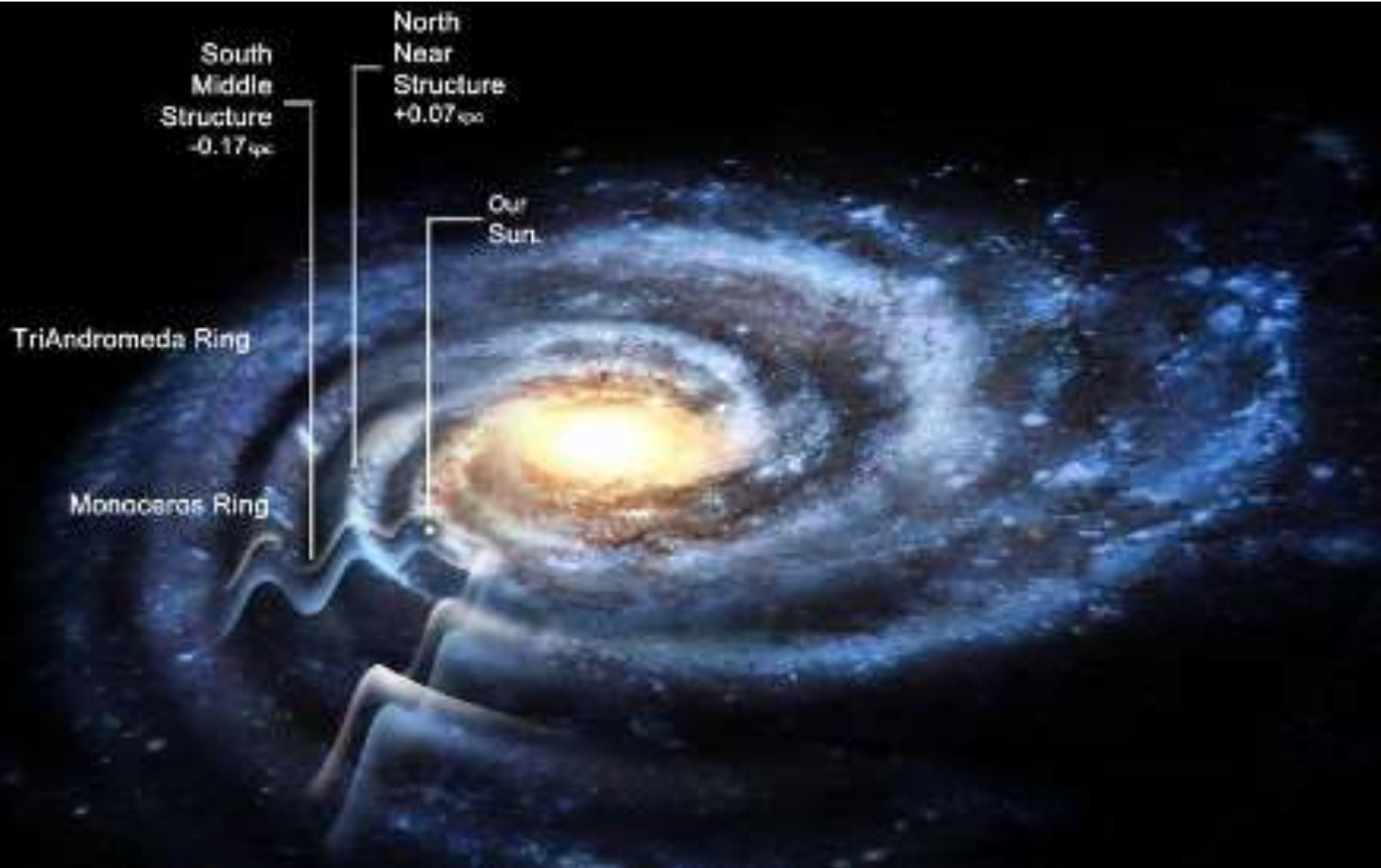


# ESTRELAS FIXAS

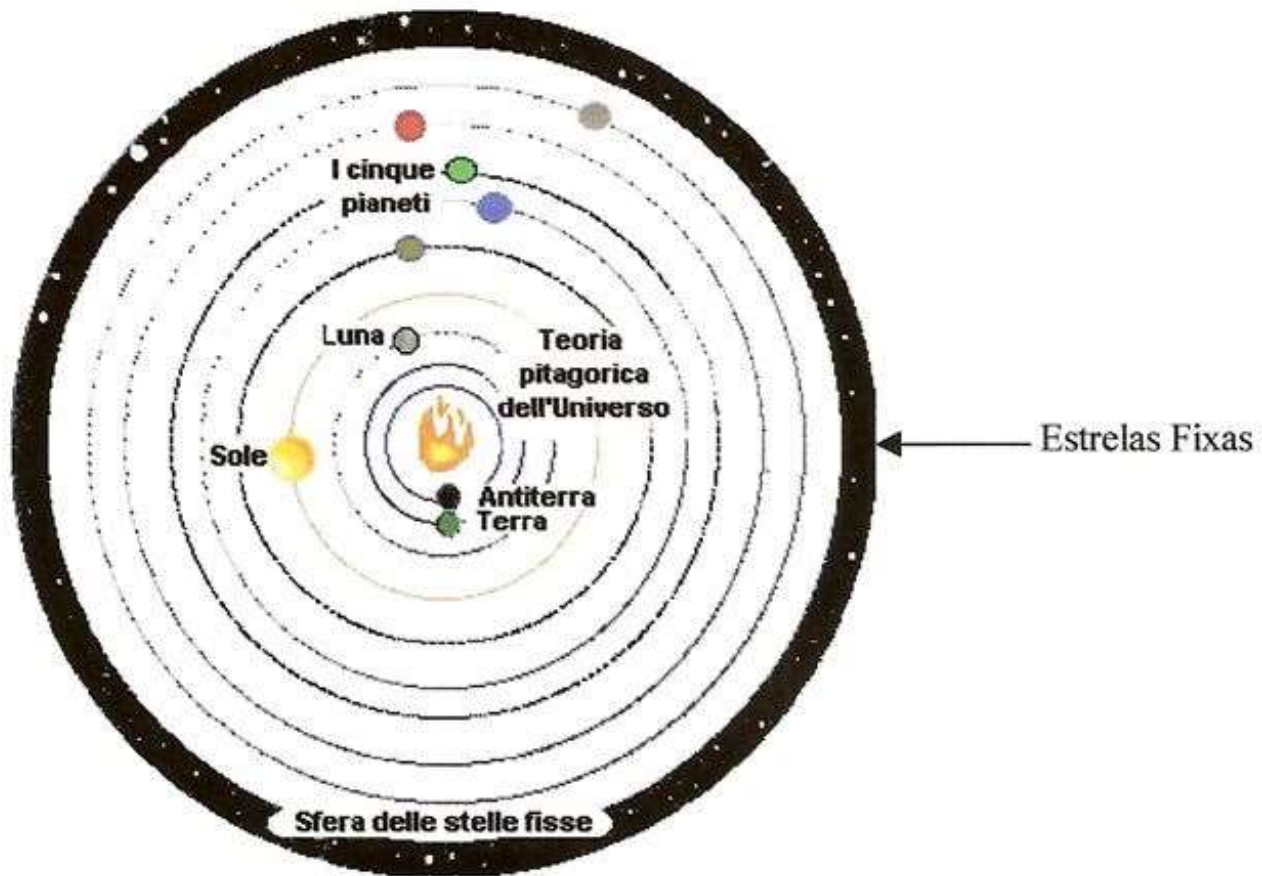


Celisa Beranger

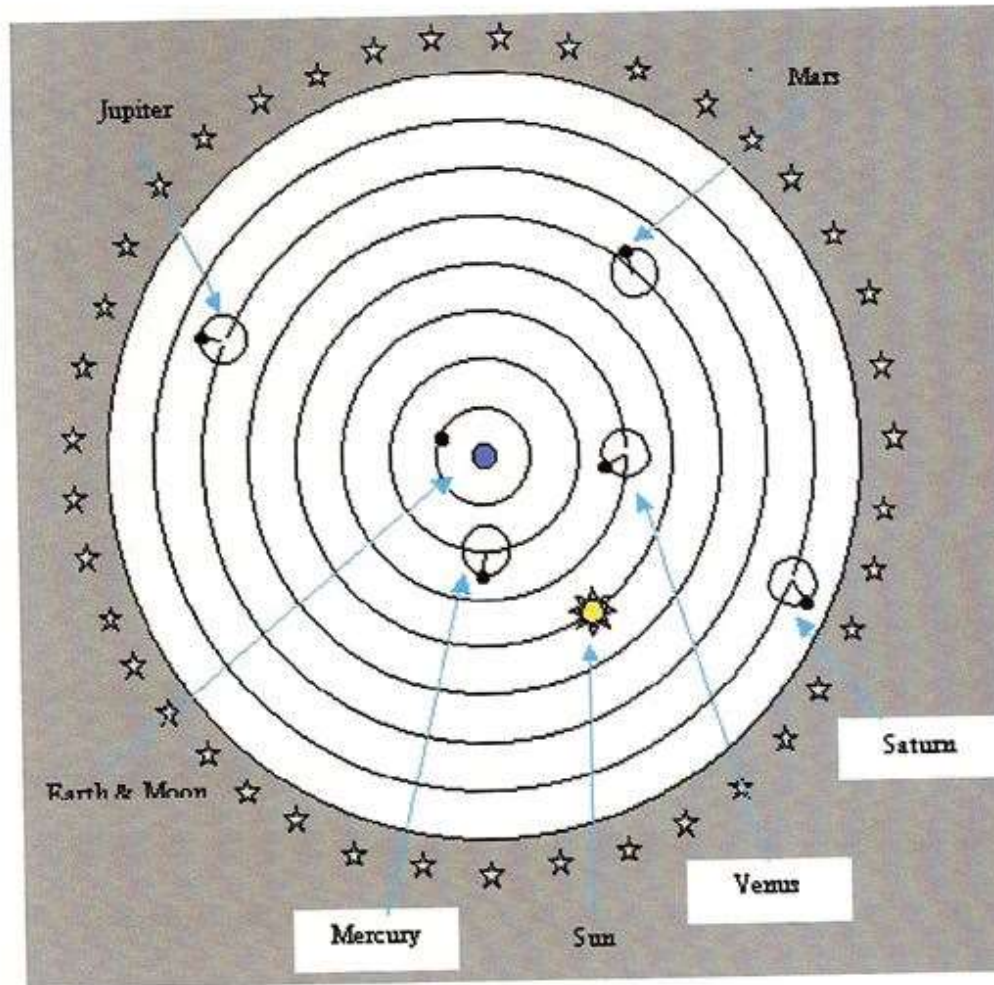


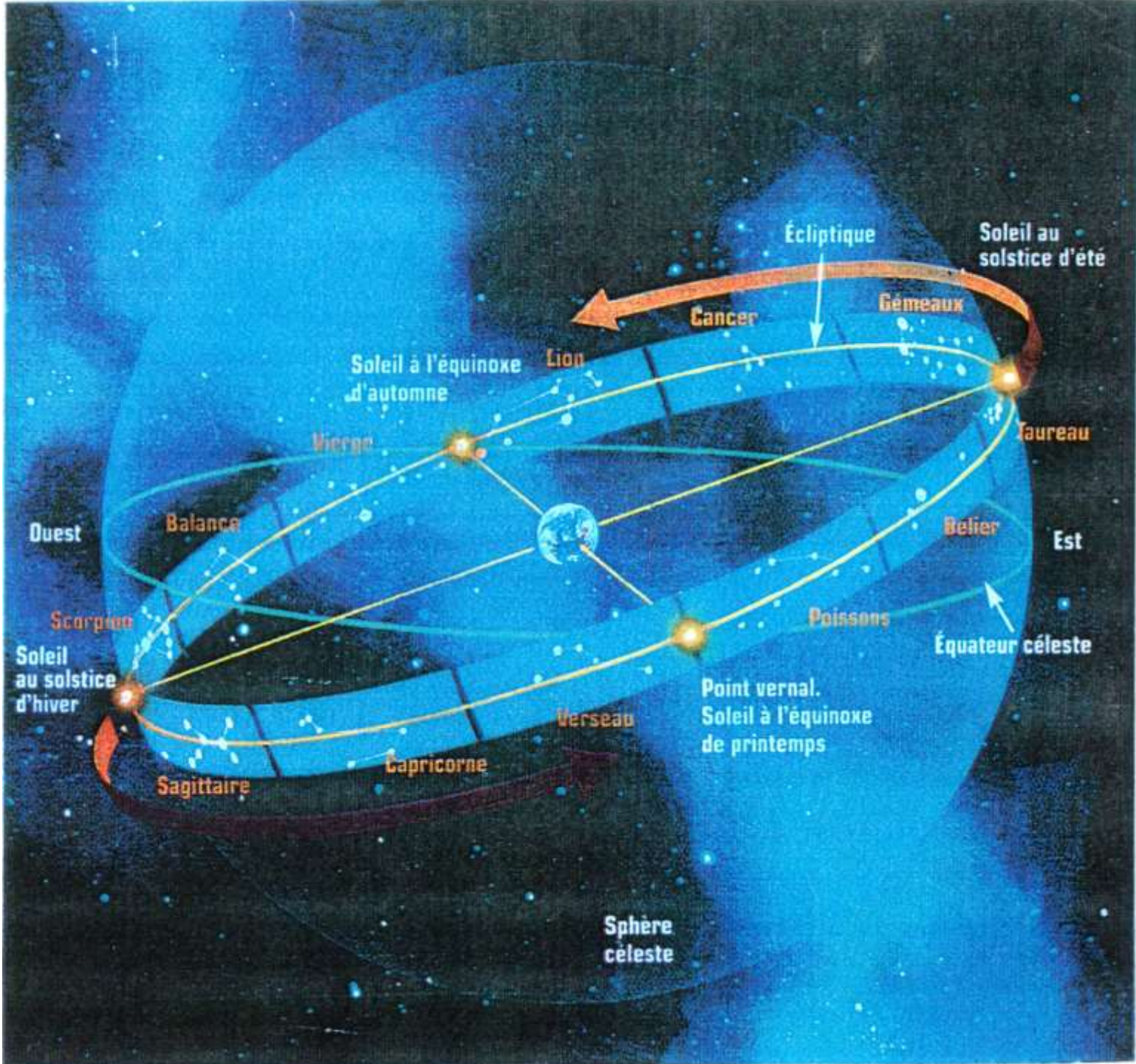






# PTOLOMEU





Écliptique

Soleil au solstice d'été

Cancer

Gémeaux

Soleil à l'équinoxe d'automne

Lion

Vierge

Taureau

Ouest

Balance

Bélier

Est

Scorpion

Soleil au solstice d'hiver

Poissons

Équateur céleste

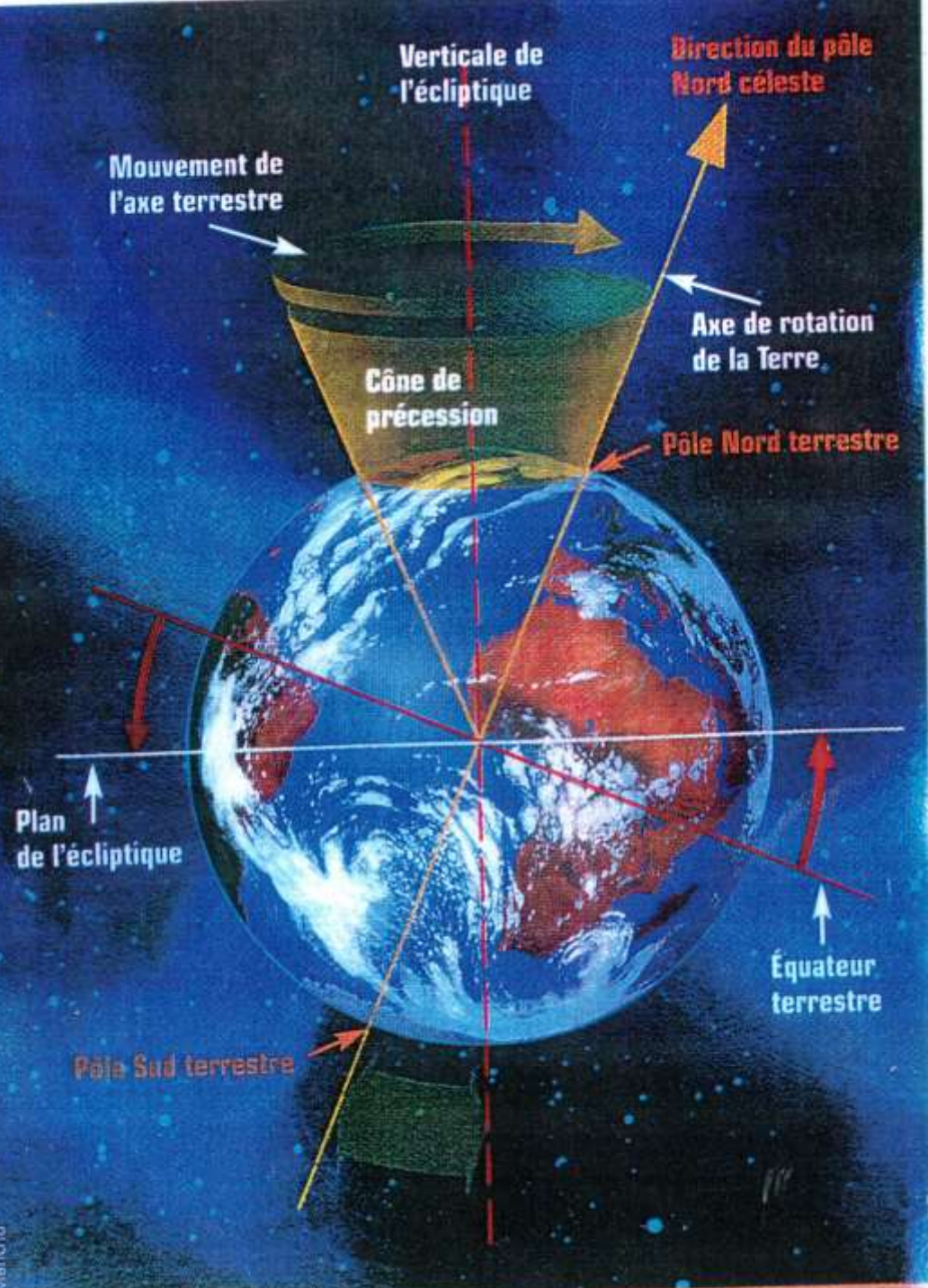
Point vernal. Soleil à l'équinoxe de printemps

Verseau

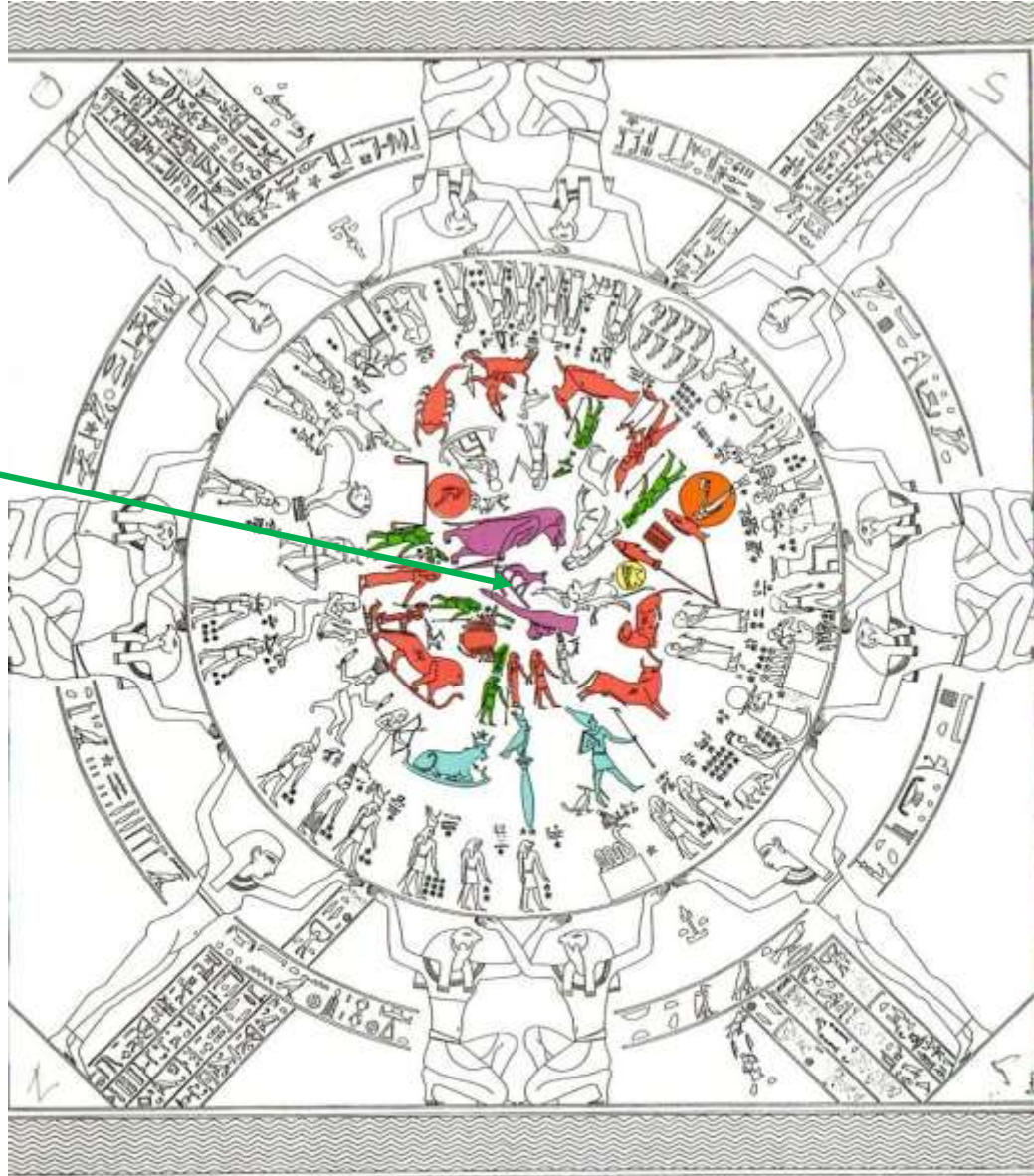
Sagittaire

Capricorne

Sphère céleste

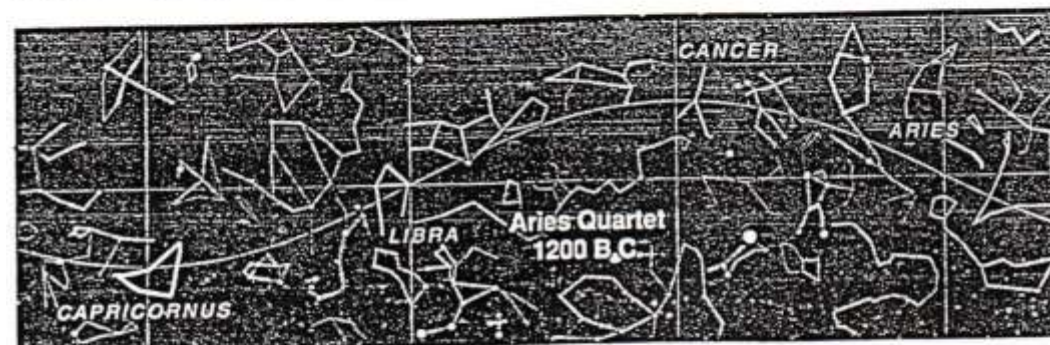
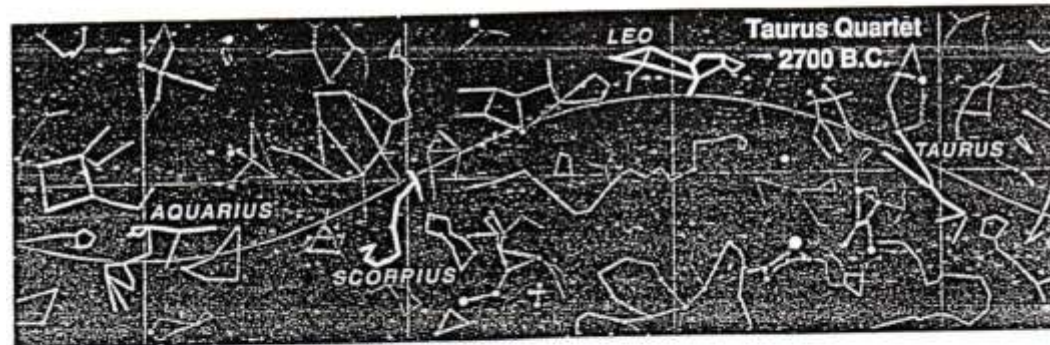
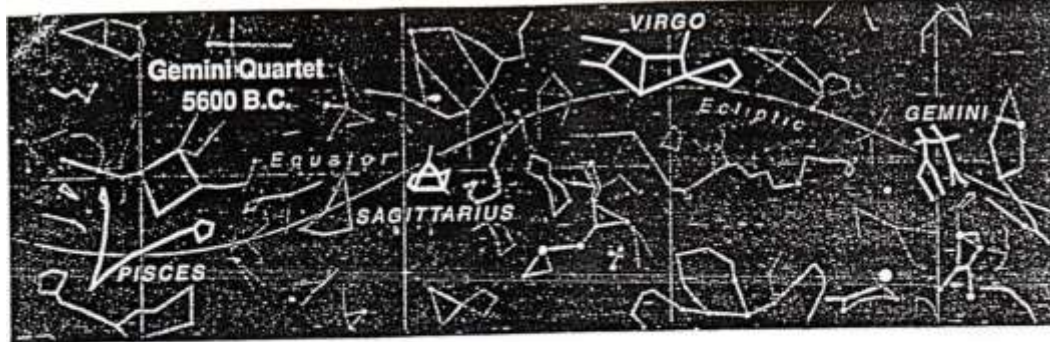




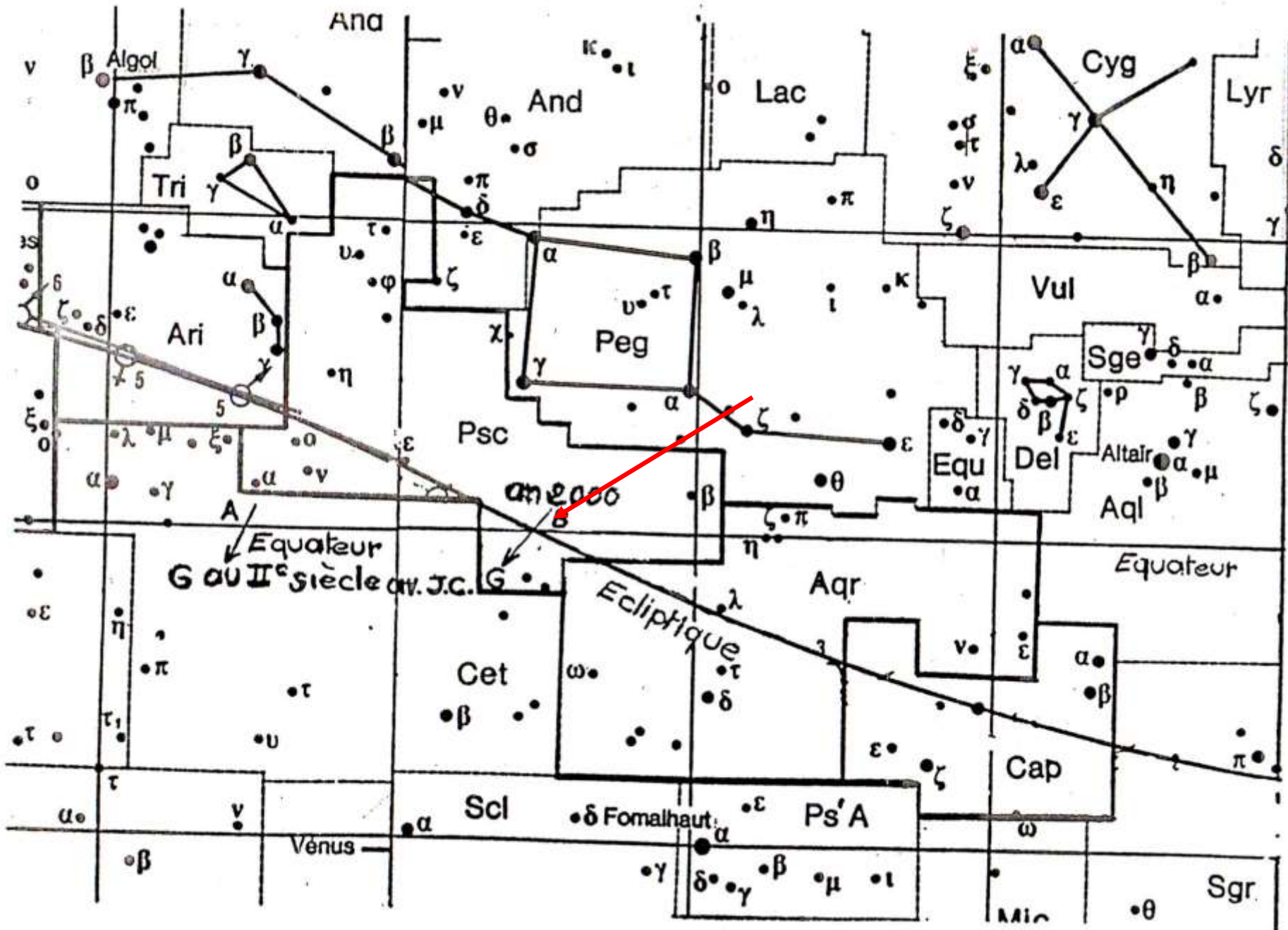


- éclipse de Soleil
- éclipse de Lune
- Constellations du zodiaque

- Planètes
- Petite Ourse, Grande Ourse, Dra
- Sirius, Canope, Orion







**Tableau de la Répartition des Constellations en l'an 2000  
dans les Signes du Zodiaque**

Constellations et Espaces Vides	Début	Fin	Etendue	Chevauchements
Bélier .....	3° ♈	20° ♈	17°	
Taureau .....	20° ♈	24° ♉	34°	
Espace vide .....	24° ♉	3° ♊	9°	
Gémeaux .....	3° ♊	23° ♊	20°	
Espace vide .....	23° ♊	1° ♋	8°	
Cancer .....	1° ♋	13° ♋	12°	
Espace vide .....	13° ♋	21° ♋	8°	
Lion .....	21° ♋	21° ♌	30°	
Espace vide .....	21° ♌	27° ♌	6°	
Vierge .....	27° ♌	10° ♍	43°	
Espace vide .....	10° ♍	15° ♍	5°	
Balance .....	15° ♍	29° ♍	14°	
Espace vide .....	29° ♍	3° ♎	4°	
Scorpion .....	3° ♎	27° ♎	24°	
Sagittaire .....	27° ♎	19° ♏	22°	
Espace vide .....	19° ♏	3° ♐	14°	
Capricorne .....	3° ♐	23° ♐	20°	
Verseau .....	11° ♐	20° ♑	39°	12°
Poissons .....	18° ♑	29° ♒	41°	2°
Espace vide .....	29° ♒	3° ♒	4°	
(Bélier) .....	3° ♈			
<b>Preuve .....</b>	<b>360°</b>	<b>=</b>	<b>374° + 14°</b>	

Zenith

LESTE  
East

MC.

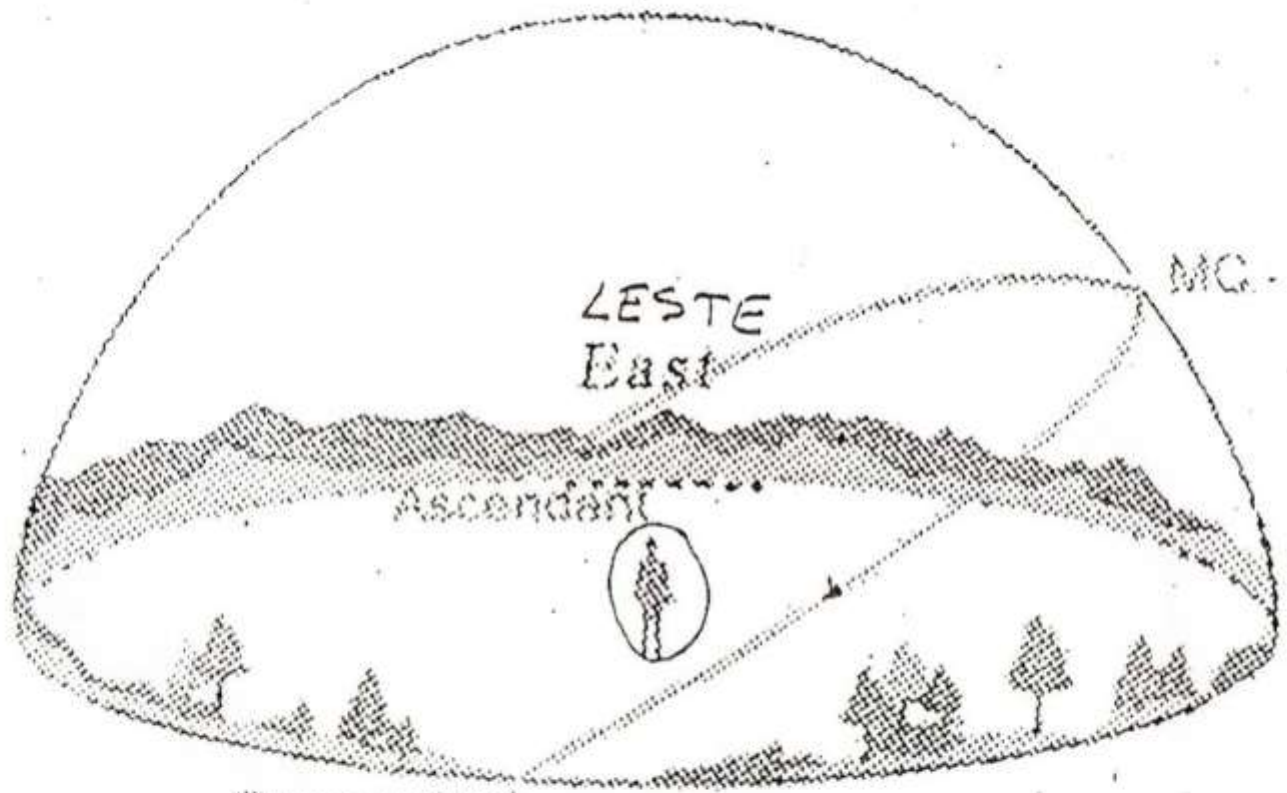
Ascendant

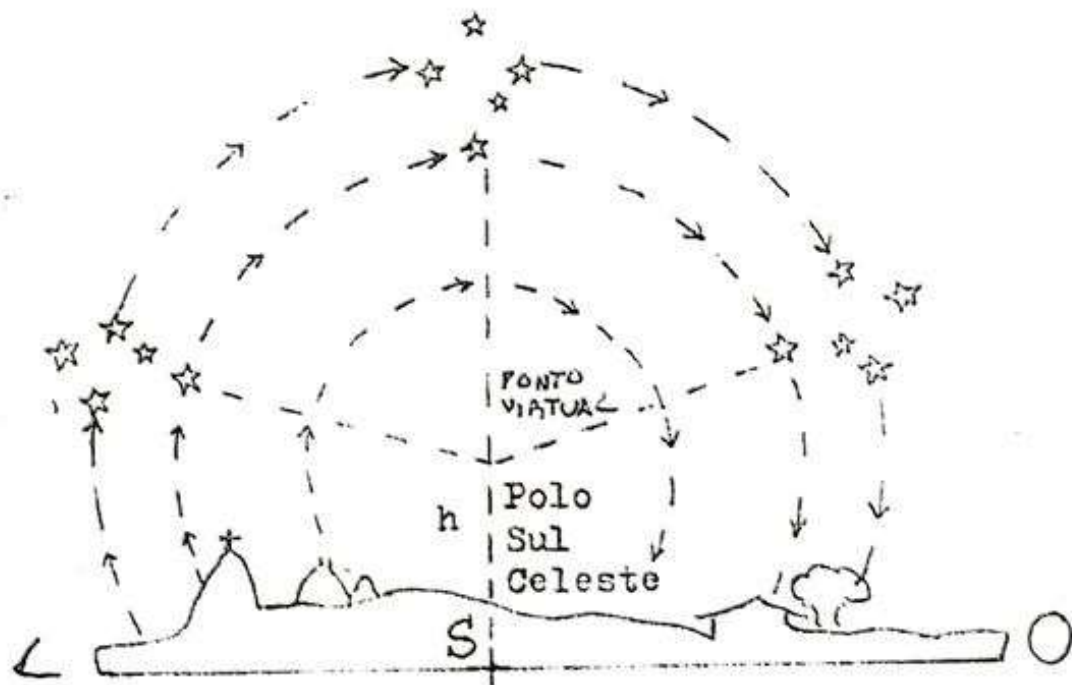
North  
NORTE

South  
SUL

Descendant

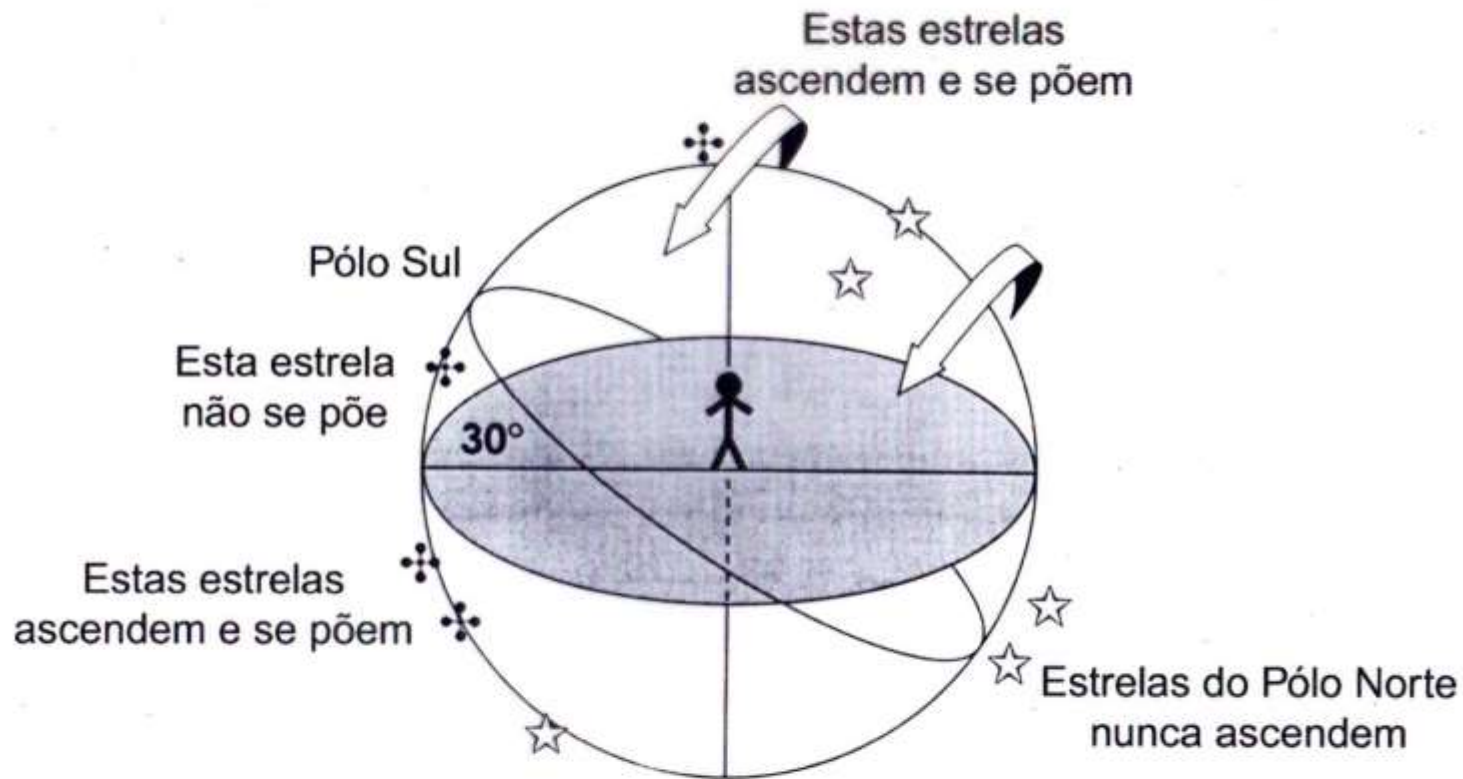
West  
OESTE





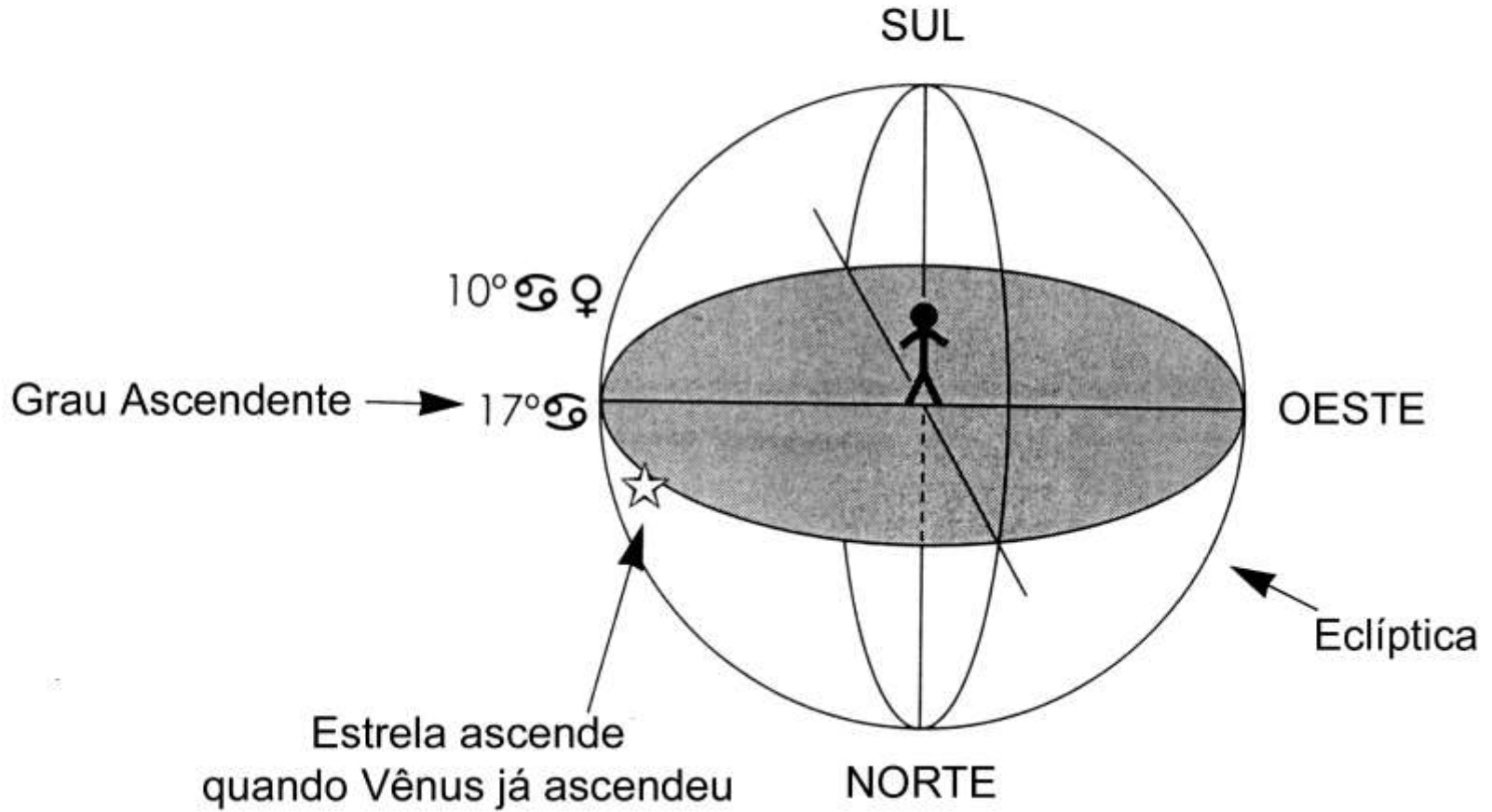
1. Vista do Rio de Janeiro, olhando para o Sul (Hemisfério Sul)

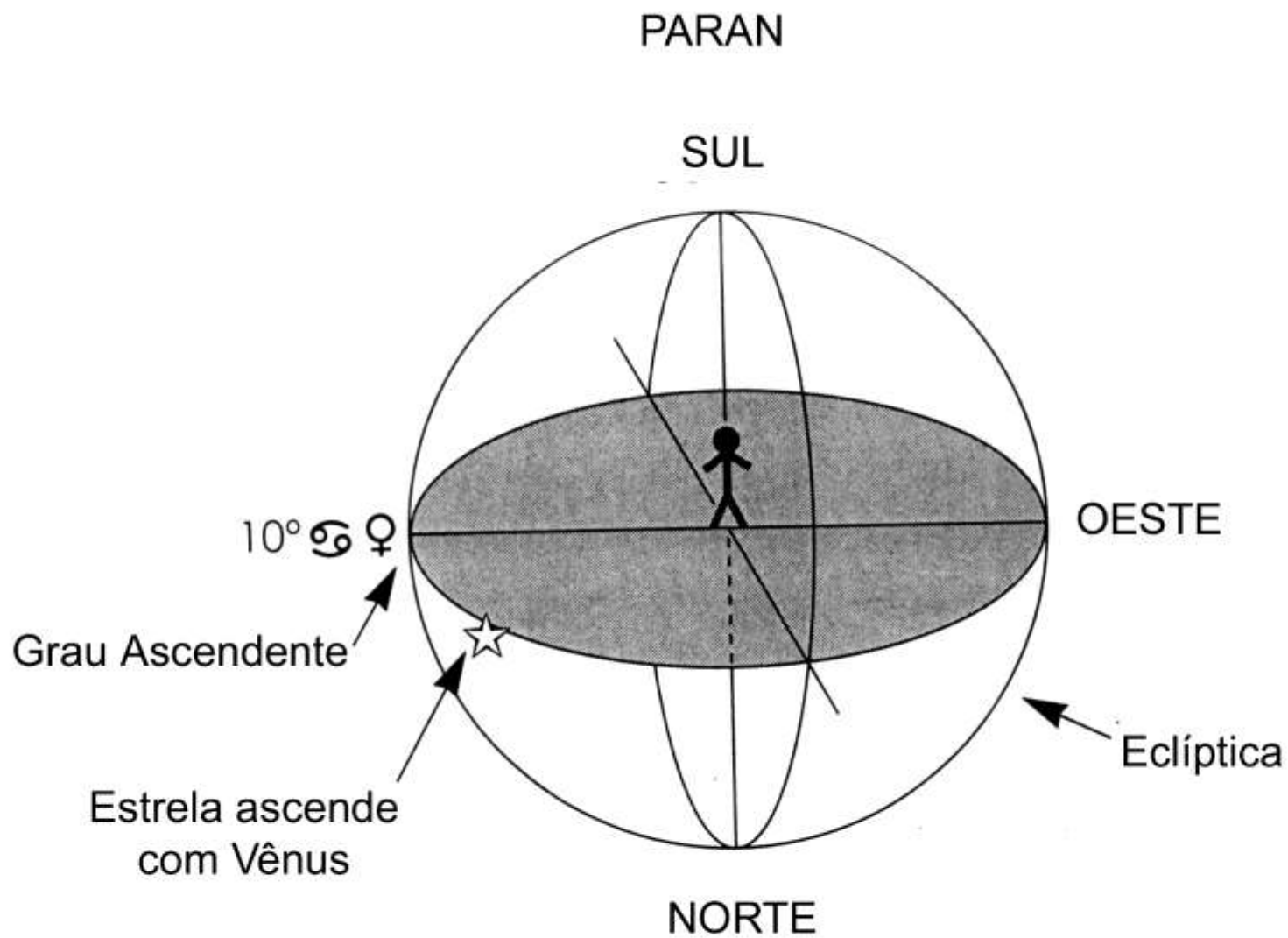
# MOVIMENTO DIURNO EM LATITUDE 30° SUL



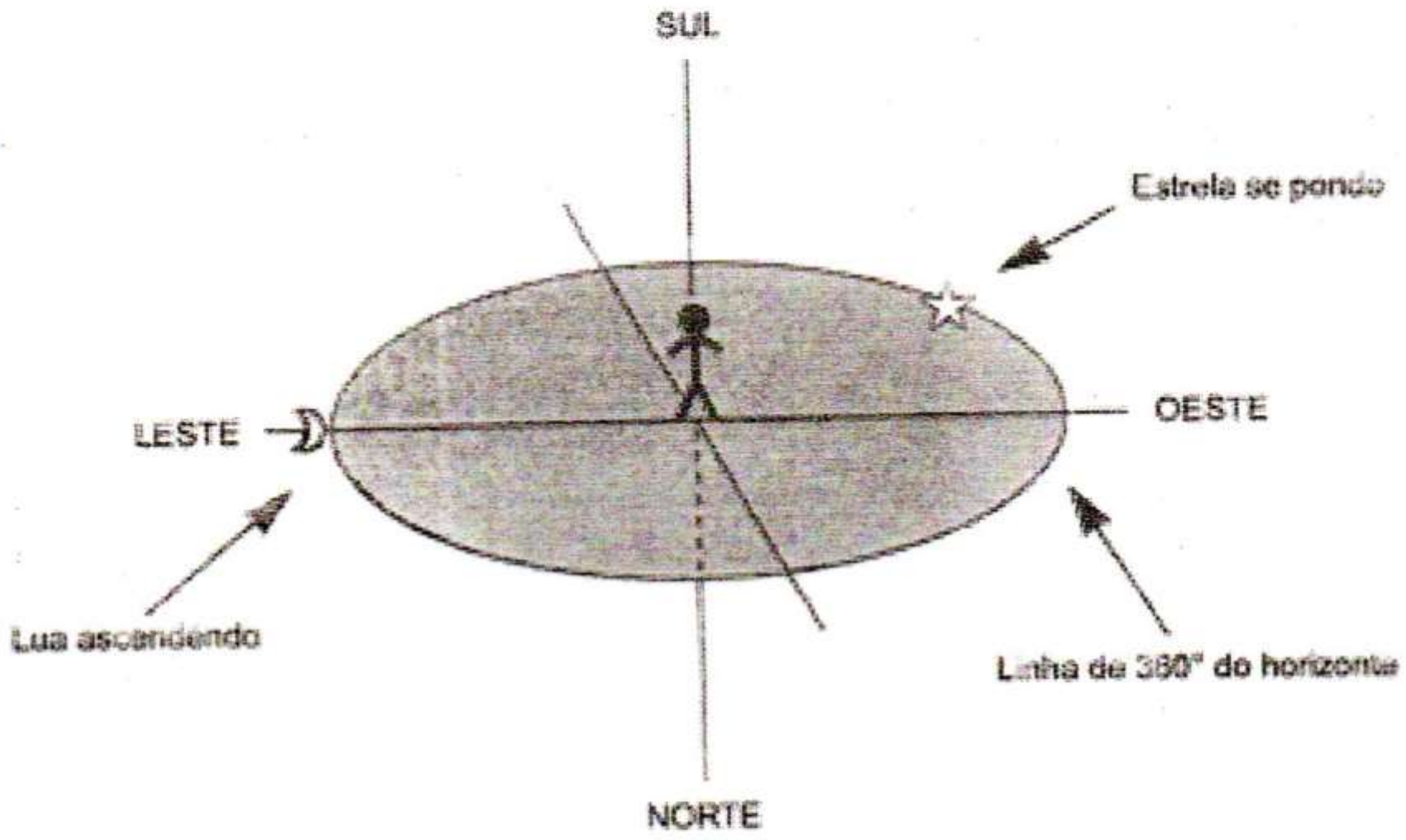


# ESTRELA ASCENDENDO

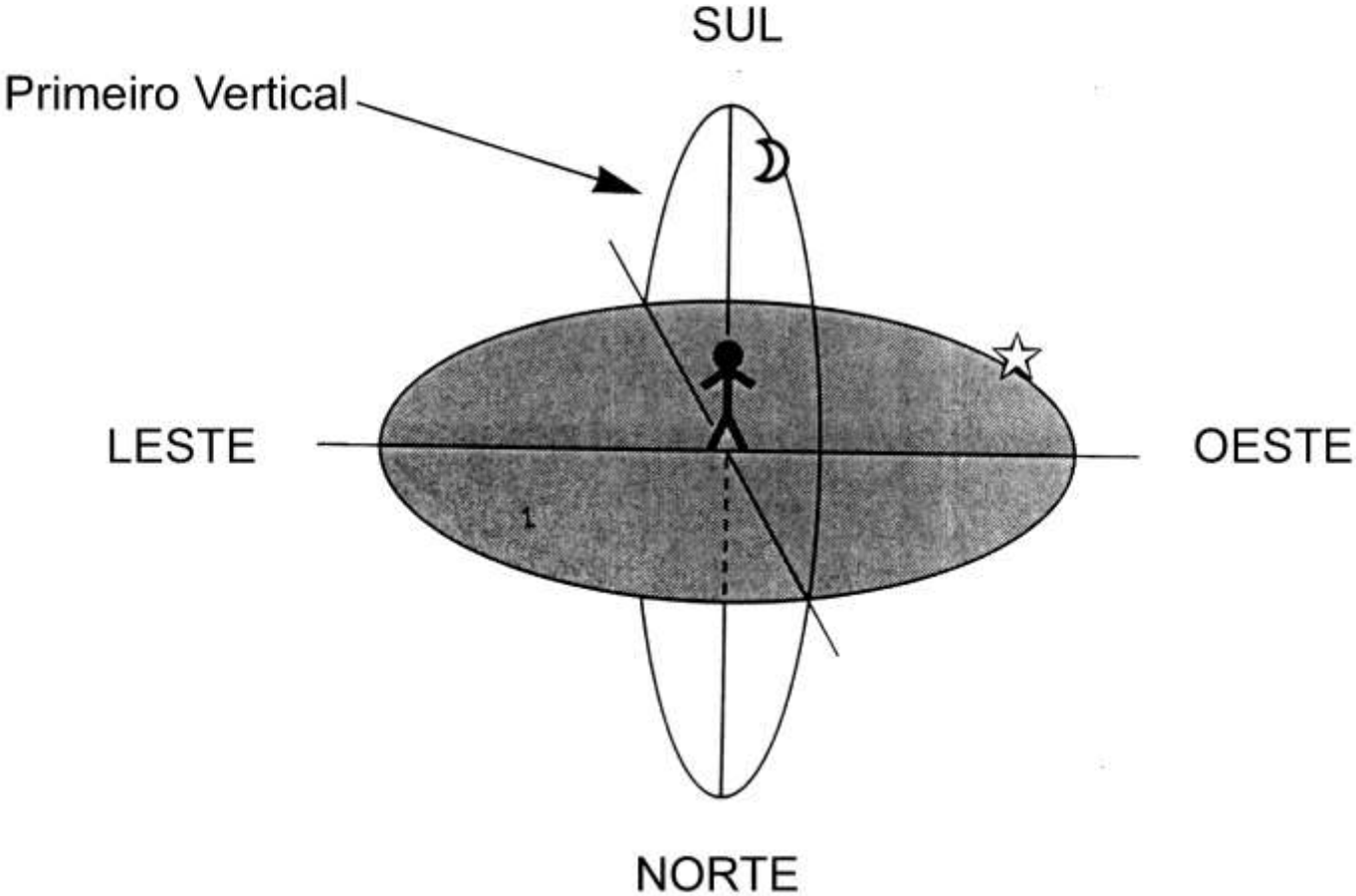




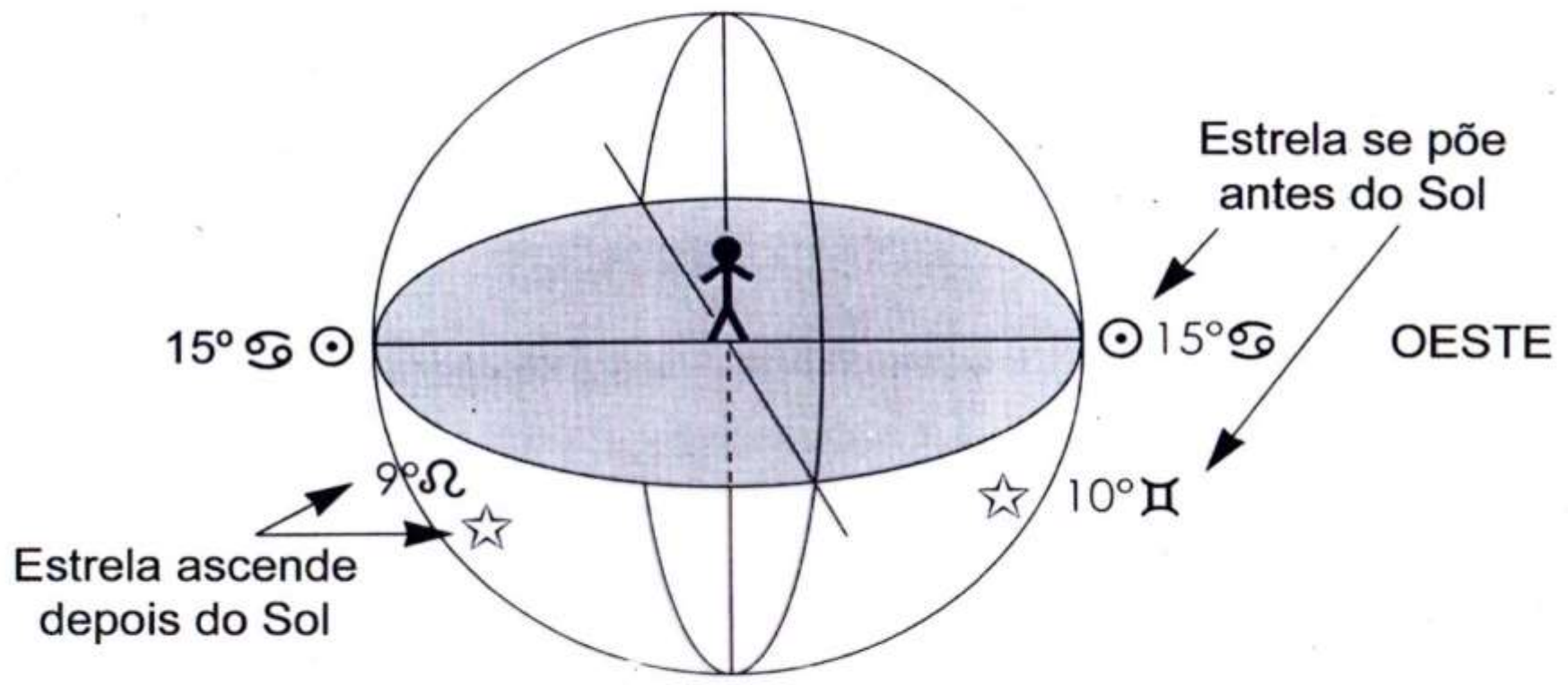
# LUA ASCENDE E ESTRELA SE POE



# LUA CULMINA E ESTRELA SE PÕE



# ASCENSÃO E OCASO INVISÍVEIS



# ASCENSÃO HELIACAL VISÍVEL

