

### Ancient Egyptian Astronomy video

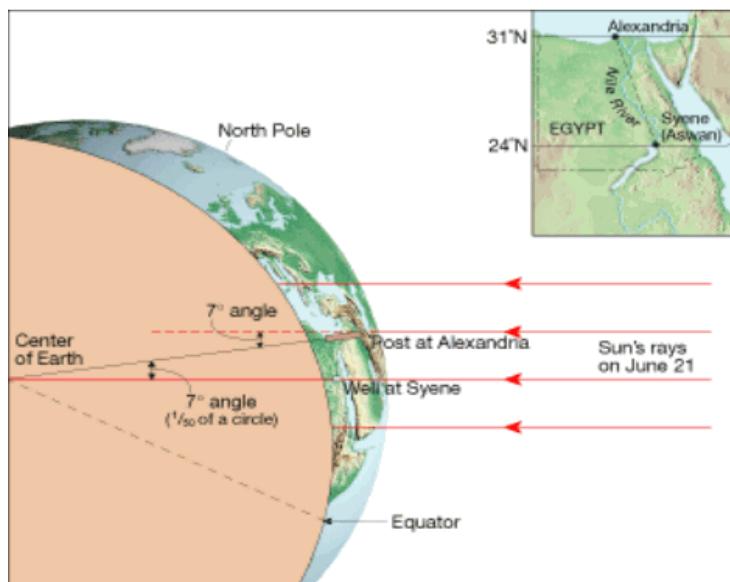


#### Ancient Astronomy

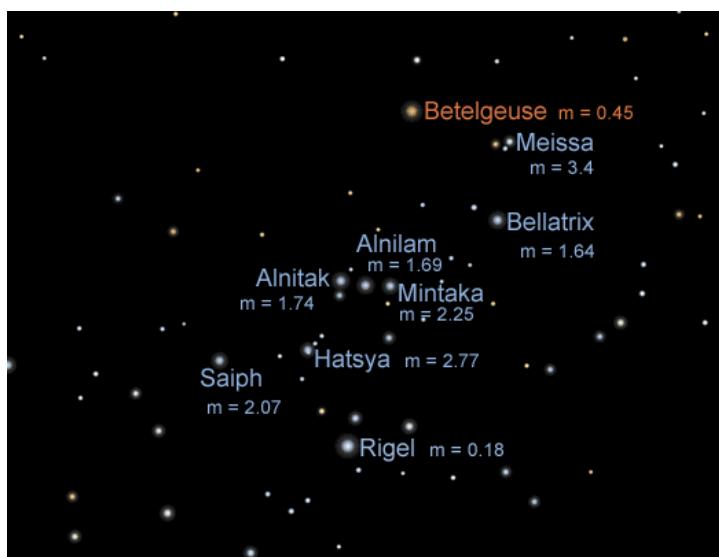
##### - Early Greeks

- Aristotle stated the Earth was at the center of the universe

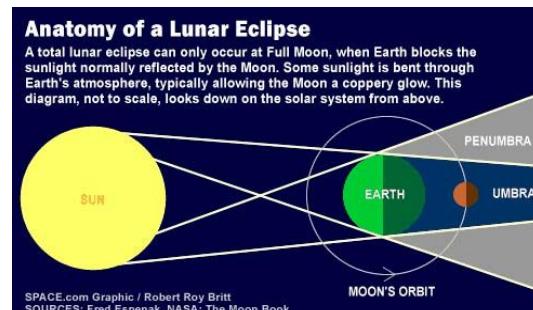
- Eratosthenes (276-194 BC) calculated the size of the Earth to within 1.5 % of actual value



Hipparchus (2nd century B.C.)- created star charts (850 stars) divided in 6 groups by brightness, determined length of the year (within minutes), and predicted lunar eclipses (within hours)



2015													
January				February			March			April			
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	12	13	14	15	16	17	18
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31	26	27	28	29
May							June						
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						26	27	28	29	30	31	
September							October						
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						26	27	28	29	30	31	
November							December						
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30						26	27	28	29	30	31	

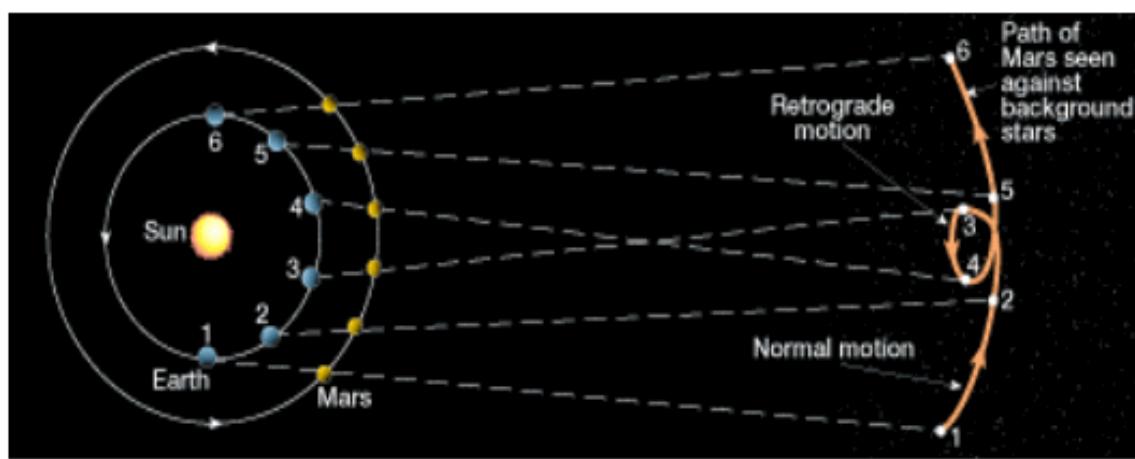
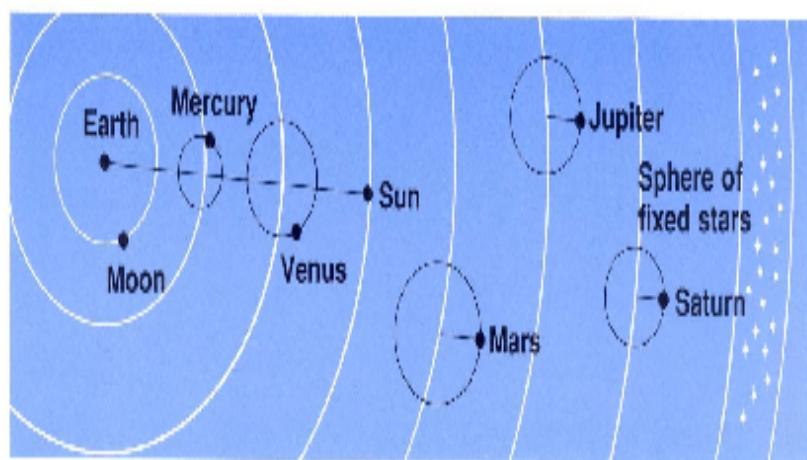
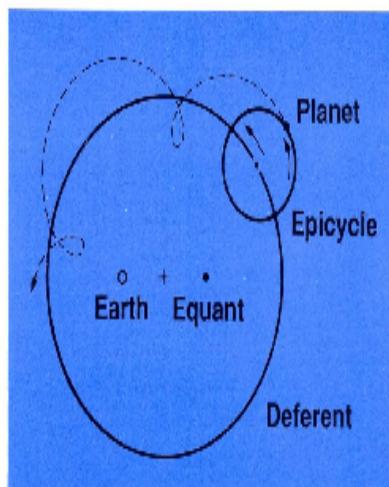


# Ptolemy video



- Ptolemy- devised an **Earth Centered** system for the solar system, he used epicycles (circles within circles) to explain retrograde motion (the apparent backward motion of planets as they orbit the sun)

\* The Catholic Church adopted the Ptolemaic System of the Solar System



## Attachments

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Ptolemy.asf

ancient egypt astronomy.asf