

Item	Date	Time	Quadrant Measurement				Jacob's Staff Measurement				Astrolabe Altitude	Pinky Finger
			Azimuth1	Altitude1	Azimuth2	Altitude2	Staff1	Cross1	Staff2	Cross2		
Star Movement in an Hour												
How far Moon moves in an hour												
Angular diameter of Moon												
Azimuth of Rising Full Moon												
Month 1												
Month 2												
Month 3												
Altitude of Full Moon 1 Hr After Rising												
Month 1												
Month 2												
Month 3												

			Quadrant Measurement								
From Jacob's Staff	Date	Time	Azimuth1	Altitude1	Azimuth2	Altitude2	Angle	Actual			Astrolabe
Length of Orion's Belt	1/30/2024	7:51 PM	156	44.8	158	47.1	3.05	2.74			
Measure Angles Between These Stars											
Betelgeuse and Rigel	1/30/2024	7:02 PM	127.6	46	150	38.4	23.65	18.50			
Castor and Pollux	1/30/2024	6:49 PM	79.5	39.8	82	35.5	4.97	4.30			
3 Stars of Summer Triangle											
Deneb and Vega								24			
Deneb and Altair								38			
Vega and Altair								34			
Pegasus Square Diagonals											
Alpheratz-Markab											
Algenib-Scheat											
Polaris and the Horizon	1/28/2024	6:46 PM	0	39.9				39.9			39.9

Angle Between Venus and Just Set Sun	Date	Time	Quadrant Measurement				Jacob's Staff Measurement		Jacob's Staff	Jacob's Staff	Jacob's Staff	Jacob's Staff	Astrolabe
			Venus		Sunset		Angle	Staff	Cross	tan x	arctan x	Angle	Venus
			Azimuth	Altitude	Azimuth	Altitude							Altitude
Observation 1						0	0.00						
Observation 2						0	0.00						
Observation 3						0	0.00						
Observation 4						0	0.00						
Observation 5						0	0.00						
Observation 6						0	0.00						
Observation 7						0	0.00						
Observation 8						0	0.00						
Observation 9						0	0.00						

Observation 10						0	0.00						
Observation 11						0	0.00						
Observation 12						0	0.00						
Observation 13						0	0.00						
Observation 14						0	0.00						
Observation 15						0	0.00						
Observation 16						0	0.00						
Observation 17						0	0.00						
Observation 18						0	0.00						
Observation 19						0	0.00						
Observation 20						0	0.00						
Observation 21						0	0.00						
Observation 22						0	0.00						
Observation 23						0	0.00						
Observation 24						0	0.00						
Observation 25						0	0.00						
Observation 26						0	0.00						
Observation 27						0	0.00						
Observation 28						0	0.00						
Observation 29						0	0.00						
Observation 30						0	0.00						
Observation 31						0	0.00						
Observation 32						0	0.00						
Observation 33						0	0.00						
Observation 34						0	0.00						
Observation 35						0	0.00						
Observation 36						0	0.00						
Observation 37						0	0.00						
Observation 38						0	0.00						
Observation 39						0	0.00						
Observation 40						0	0.00						

Item Observations

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Venus Observations

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