Jupiter

17H	min	4d	sight error	time error
54.05	54m 3s	25	3.9	8m 41s
54.6	54m 34s	25.1	3.6	7m 54s
55.2	55m 11s	24.7	3.8	8m 22s
55.7	55m 44s	24.2	4.2	9m 11s
56.3	56m 20s	23.8	4.4	9m 41s
57	57m 00s	24.2	3.6	7m 55s
55.475		**24.5**	**3.9**	**8m 37s**

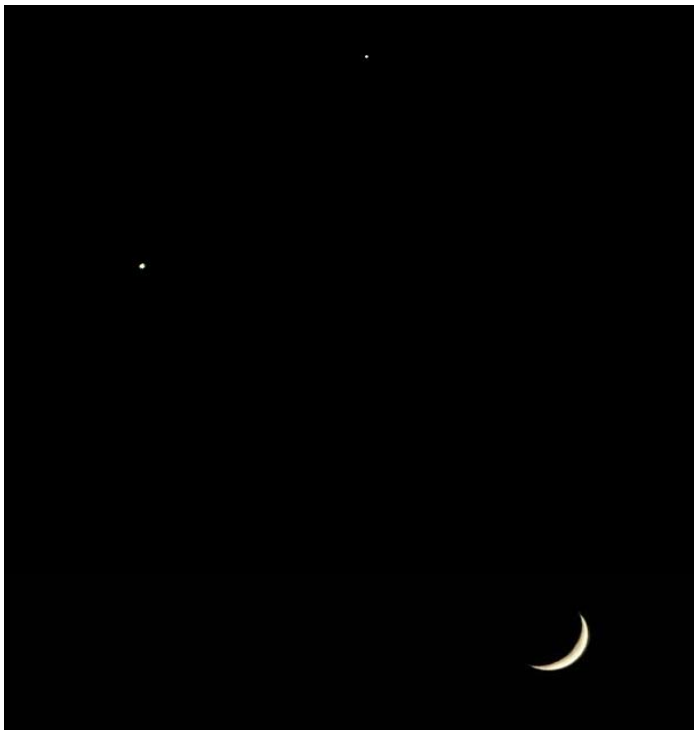
Venus

17H		3d		
50.85	50m 50s	51.3	4	9m 16s
51.75	51m 45s	51.2	3.8	8m 45s
52.35	52m 21s	50.6	4.3	9m 53 s
52.9	52m 53s	50.6	4.1	9m 25s
53.4	53m 23s	50.2	4.3	10m 5s
52.25		**50.78**	**4.1**	**9m 25s**

Short Lunar at Chinhae

L 35d 6.4'N
l 128d 41.3E

Far Limb
IE 1.9' on
ZD -9
08Z
12/1/2008



Clearing the Lunar Distance us

This spreadsheet is designed to assist amateurs in learning
The author is neither a professional navigator nor a professi
The spreadsheet refers to the article "Lunar Distances Expla
Enjoy your lunars, explore the calculations in the cells of this

Chinhae, ROK Lunar average of 5 sights
k

Basic Information

Date:	12/1/2008		
	Degrees	Minutes	N or S
Latitude	35	6.4	N
	Degrees	Minutes	E or W
Longitude	128	41.3	E
		Minutes	
Index Correction		-1.9	

Almanac Data

Comparing Body	Venus		
	Degrees	Minutes	
GHA Hour Before	256	8.4	
	Degrees	Minutes	
GHA Hour After	271	7.7	
	Degrees	Minutes	N or S
Declination Hour Before	23	58.1	S
	Degrees	Minutes	N or S
Declination Hour After	23	57.6	S
	Degrees	Minutes	
SHA if body is a star	0	0	
		Minutes	
Semi diameter if body is sun		0	

Body:	**Moon**		
	Degrees	Minutes	
GHA Hour Before	259	55.8	
	Degrees	Minutes	
GHA Hour After	274	26.7	
	Degrees	Minutes	
Declination Hour Before	24	1.9	S
	Degrees	Minutes	
Declination Hour After	23	55.4	S
		Minutes	
Horizontal Parallax Moon		54.1	

The Lunar Distance

	Hours	Minutes	Seconds
GMT per watch	8	52	15
	Degrees	Minutes	Moon's limb
Ds	3	50.8	Far

Results

	Hours	Minutes	Seconds
GMT per Lunar Distance	8	61	40
		Minutes	Seconds
Your lunar appears to be:	Fast	9	25
		Minutes	
Error in observation:		4.1	

Clearing the Lunar Distance us

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Enjoy your lunars, explore the calculations in the cells of this

Chinhae, ROK Lunar average of 6 sights

Basic Information

Date:	12/1/2008		
	Degrees	Minutes	N or S
Latitude	35	6.4	N
	Degrees	Minutes	E or W
Longitude	128	41.3	E
		Minutes	
Index Correction		-1.9	

Almanac Data

Comparing Body	Jupiter		
	Degrees	Minutes	
GHA Hour Before	256	27.9	
	Degrees	Minutes	
GHA Hour After	271	29.8	
	Degrees	Minutes	N or S
Declination Hour Before	21	58.6	S
	Degrees	Minutes	N or S
Declination Hour After	21	58.5	S
	Degrees	Minutes	
SHA if body is a star	0	0	
		Minutes	
Semi diameter if body is sun		0	

Body:	**Moon**		
	Degrees	Minutes	
GHA Hour Before	259	55.8	
	Degrees	Minutes	
GHA Hour After	274	26.7	
	Degrees	Minutes	
Declination Hour Before	24	1.9	S
	Degrees	Minutes	
Declination Hour After	23	55.4	S
		Minutes	
Horizontal Parallax Moon		54.1	

The Lunar Distance

	Hours	Minutes	Seconds
GMT per watch	8	55	29
	Degrees	Minutes	Moon's limb
Ds	4	24.5	Far

Results

	Hours	Minutes	Seconds
GMT per Lunar Distance	8	64	6
		Minutes	Seconds
Your lunar appears to be:	Fast	8	37
		Minutes	
Error in observation:		3.9	