Lunars Calculator (ver. 4)

SETUP:

DR Lat:	35	19.4	N
DR Lon:	119	05.5	W
I.C.:	0.5		
Temperature:	50	°F	
Pressure (SL):	29.80	inches Hg	
Height of Eye:	0	feet	
Body:	Jupiter		

ALTITUDES:
(Leave Blank to Calculate)

| Body: | 49 | 17.7 | LL |
| Moon: | 54 | 58.1 | UL |

LUNAR:

Greenwich Date:	February 24 , 2013
Time:	04 : 57 : 39 Greenwich Mean Time
Distance:	68 58.1 Near
Options:	☐ Ignore Oblateness of the Earth ☐ Ignore Refractional Flattening of Moon & Sun

[Calculate]

Created by Frank Reed (HistoricalAtlas.com, ReedNavigation.com, fer3.com), first version: June 2004.

	GHA	Dec	HP
Moon:	91° 37.2'	11° 13.4'	55.88
Jupiter:	163° 01.7'	21° 02.2'	0.03

True LD: 68° 47.5'

Moon Apparent Altitude at DR: 54° 49.2'
Moon Altitude Error: -0° 06.0'
Moon Altitude correction: -0° 31.6'
Jupiter Apparent Altitude at DR: 49° 07.2'
Jupiter Altitude Error: 0° 11.0'
Jupiter Altitude correction: 0° 00.8'

Clearing using *observed* Moon Altitude.
Clearing using *observed* Jupiter Altitude.
Moon SD refractional flattening is negligible.
cos Diff Azm: -0.70196
Corrected for oblateness of the Earth.
Cleared LD: 68° 47.4'

Error in Lunar: -0.2'
Approximate Error in Longitude: 0° 04.6'