

About This Workbook

Moon Data

Date @ Greenwich
29-Jan-19

Enter Data into Yellow Cells

Near Limb Lunar

MOON LL

Moon's HP 56.2 min

Height of Eye 6 ft. Dip Short Distance Yards

UT of MOON LL Distance Measurement 11:19:09

hs	40 deg.	36.0 min.
	(+)	(-)
IC	0.2 min.	2.4 min.
Dip		2.4 min.
(±) Totals	0.2 min.	2.4 min.
Corr	-2.2 min	
Ha	40 deg.	33.8 min
	(+)	(-)
-R +PA +OB +SD	56.8 min.	0.0 min.
Add'l Ref.	0.0 min.	0.0 min.
(±) Totals	56.8 min.	0.0 min.
Corr	56.8 min	

Ho of Moon @ UT 11:19:09 41 deg. 30.6 min.

Hc of Moon @ UT 11:19:09 41 deg. 24.8 min.

Intercept is 5.8 n. mi. Toward a Zn of 152 deg.

Hc of Moon @ UT 11:20:09 41 deg. 30.6 min.

Rate of change in Hc of Moon 5.8 deg./Hour

Lunar Distance

L 28 deg. 41.1 min. N

Lo 82 deg. 18.2 min. W

Atmospheric Pressure 1010 mb

Air Temperature 10 ° C

UT of Near Limb Lunar Distance Measurement 11:20:09

Measured Lunar Distance 24 deg. 47.5 min.

IC +Moon SD +Augmentation 0 deg. 15.7 min.

Apparent Lunar Distance @ UT 11:20:09 25 deg. 3.2 min.

Correction₂ 0 28.0

"Cleared" Lunar Distance @ UT 11:20:09 25 deg. 31.2 min.

Observed Lunar Distance @ UT 11:20:09 25 deg. 31.1 min.

Geocentric Lunar Distance @ UT 11:20:09 25 deg. 31.1 min.

| "Cleared" LD - GLD | 0 deg. 0.1 min.

Geocentric Lunar Distance @ UT 11:00:00 25 deg. 40.8 min.

Geocentric Lunar Distance @ UT 11:19:52 25 deg. 31.2 min.

Geocentric Lunar Distance @ UT 12:00:00 25 deg. 11.9 min.

Rate of change in Geocentric Lunar Distance -28.9 min./Hour

Change in UT per arc minute of change in Lunar Distance 0:02:05

Body Data

Click for Nautical Almanac data entry cells for GHA & Dec values required for Lunar Distance Calculations

PA for Venus

Body VENUS NA min

Height of Eye 6 ft. Dip Short Distance

UT of VENUS Distance Measurement 11:21:09

hs	22 deg.	57.6 min.
	(+)	(-)
IC	0.2 min.	0.0 min.
Dip		2.4 min.
(±) Totals	0.2 min.	2.4 min.
Corr	-2.2 min	
Ha	22 deg.	55.4 min
	(+)	(-)
-R	0.0 min.	2.34 min.
Add'l Ref.	0.0 min.	0.0 min.
(±) Totals	0.0 min.	2.3 min.
Corr	-2.3 min	

Ho of VENUS @ UT 11:21:09 22 deg. 53.1 min.

Hc of VENUS @ UT 11:21:09 23 deg. 2.9 min.

Intercept is 9.8 n. mi. Away from a Zn of 131 deg.

Hc of VENUS @ UT 11:20:09 22 deg. 53.0 min.

Rate of change in Hc of VENUS 9.9 deg./Hour

Fix from MOON LL - VENUS LOPs	Fix L 28 deg. 15.2 min. N	Crossing Angle of LOP's 21 deg.
	Fix Lo 82 deg. 59.3 min. W	