

Object	Paripaadal Info	Raasi-Errors in Degrees		
		0017-Jul-27	0196-Jun-28	0634-Jun-17
Mars	01-Mesa	0.00	12.24	4.12
Venus	02-Rushabha	22.52	0.00	0.00
Mercury	03-Mithuna	59.09	18.32	0.00
Saturn	10-Makara	-2.76	0.00	0.00
Jupiter	12-Mina	-3.77	0.00	0.00
Moon	Eclipsed	Pen upto 5° E	Pen from -10° W	Pen from 20° W
Kritikka	Near Zenith	Zenith@5AM	Zenith@8AM	Zenith@8AM
Agastya	Visible	Likely visible 7° Alt at 5:10 Sun at -8° alt	Not Visible Rises after sunrise Sets before Sunset	Not Visible Rises after sunrise Sets before Sunset

0017-Jul-27 seems to
fit with Least deviations

A Translation :

On a full moon day
In the vast sky that has 3 streets
having 9 stars each
When Venus reaches Taurus
Mars reaches Aries
Mercury fixed in Gemini
Sun in Cancer above Leo
Jupiter in Pisces, (after the paired houses of Saturn)
Saturn in Capricorn at the end of Sagittarius
Ragu hides the moon (eclipse)
Agasthya crosses the peak and reaches Gemini
By the law of nature:
The monsoons arrive at the Sahya hills
Flooding the river Vaigai

Notes:

Planet and rashi names are expressed symbolic like riddles

எரி சடை வேழம்

Can be the 3 stars or their resective paths, or Lord Shiva himself.

அங்கி உயர் :

அங்கி can be Karthigai star or Agni nakshatram or the Sun itself

Paripaadal Info		Jul/27/0017 Stellarium			Revati-Aadi			Aswini-Aadi (least error)			Krittika-Aadi		
Object	Rasi Location	Longitide of Date	Visible	Longitude J2000	Rasi Start	Rasi End	Error Revati Aadi	Rasi Start	Rasi End	Error Aswini Aadi	Rasi Start	Rasi End	Error Krittika AAdi
Mars	01-Mesa	23.0105	23:30	50.5899	-13.33	16.67	6.34	0.00	30.00	0.00	13.33	43.33	0.00
Venus	02-Rushabha	82.5187	3:30	110.0889	16.67	46.67	35.85	30.00	60.00	22.52	43.33	73.33	9.19
Mercury	03-Mithuna	149.0938	18:30	176.6563	46.67	76.67	72.43	60.00	90.00	59.09	73.33	103.33	45.76
Saturn	10-Makara	267.2389	18:30	294.8108	256.67	286.67	0.00	270.00	300.00	-2.76	283.33	313.33	-16.09
Jupiter	12-Mina	326.2326	20:30	353.8118	316.67	346.67	0.00	330.00	0.00	-3.77	343.33	13.33	-17.10
Moon	Eclipsed	Eclipse @ Jul/27/0017 @18:45 @ 5 deg alt at moonrise; Elipse ends few minutes after moon rise; Penumbral Eclipse most likely visible per Stellarium (. Espenak Javascript applet shows partial eclipse is visble at 2 deg alt at 16:16. This is confusing Full moon rise would be around 18:00 . At 16:16 alt should be -ve)											
Kritikka	At Zenith	Zenith@Jul/28 ~5AM											
Bharani	?												

Espenak Eclipse Info For Madurai

Latitude: 9° 56' 21" N

Longitude: 78° 07' 19" W

Time Zone: 05:30 E

Calendar Date17-Jul-27

Ecl. TypeP

Pen. Mag.1.733

Umbral Mag.0.698

Pen. Eclipse Begins15:02

Alt18

Partial Eclipse Begins16:16

Alt2

Total Eclipse Begins-

Alt-

Mid. Eclipse17:45

Alt-18

Total Eclipse Ends-

Alt-

Partial Eclipse Ends19:15

Alt-38

Pen. Eclipse Ends20:29

Alt-55

Planet (x) vs Error in Degrees(y) for Raasis with different Aadi (color)

aswini aadi(green) is least error fit

Error RevatiAadi

Error Aswini Aadi

Error KrittikaAAdi

Planet	Error RevatiAadi	Error Aswini Aadi	Error KrittikaAAdi
Mars	6.34	0.00	0.00
Venus	35.85	22.52	9.19
Mercury	59.09	45.76	45.76
Saturn	0.00	-2.76	-16.09
Jupiter	0.00	-17.10	-17.10

Paripaadal Info		Jun/28/0196 Stellarium			Revati-Aadi			Aswini-Aadi (acceptable err)			Krittika-Aadi (least error)		
Object	Rasi Location	Longitide of Date	Visible	Longitude J2000	Rasi Start	Rasi End	Error Revati Aadi	Rasi Start	Rasi End	Error Aswini Aadi	Rasi Start	Rasi End	Error Krittika AAdi
Mars	01-Mesa	55.5701	4:00	80.6636	-13.33	16.67	38.90	0.00	30.00	25.57	13.33	43.33	12.24
Venus	02-Rushabha	49.2625	4:00	74.3593	16.67	46.67	2.60	30.00	60.00	0.00	43.33	73.33	0.00
Mercury	03-Mithuna	121.6564	19:00	146.9461	46.67	76.67	44.99	60.00	90.00	31.66	73.33	103.33	18.32
Saturn	10-Makara	301.1366	21:00	326.2337	256.67	286.67	14.47	270.00	300.00	1.14	283.33	313.33	0.00
Jupiter	12-Mina	8.0811	1:00	33.1791	316.67	346.67	-308.59	-30.00	0.00	8.08	-16.67	13.33	0.00
Moon	Eclipsed	Eclipse @ Jun/28/0196 @18:45 @ -10 deg alt after moonset; Partial Elipse starts few minutes after moon set; Penumbral Eclipse most likely visible per Stellarium just prior to moonset (. Espenak Javascript applet shows partial eclipse is visble at 22 deg alt at 6:42. This is confusing Full moon set would be around 5:33 . At 6:42 alt should be -ve)											
Krittika	At Zenith	Zenith@Jul/28 ~8AM - Does not Fit as Krittika would not be visible at 8AM even as it is at Zenith											
Bharani	?												

Espenak Eclipse Info For Madurai

Latitude: 9° 56' 21" N

Longitude: 78° 07' 19" W

Time Zone: 05:30 E

Calendar Date28-Jun-196

Ecl. TypeP

Pen. Mag.1.614

Umbral Mag.0.561

Pen. Eclipse Begins5:21

Alt5

Partial Eclipse Begins6:42

Alt22

Total Eclipse Begins-

Alt-

Mid. Eclipse8:06

Alt38

Total Eclipse Ends-

Alt-

Partial Eclipse Ends9:30

Alt51

Pen. Eclipse Ends10:51

Alt55

Planet (x) vs Error in Degrees(y) for Raasis with different Aadi (color)

krittika aadi(green) is least error fit, aswini aadi isn ok fit too

Error RevatiAadi

Error Aswini Aadi

Error KrittikaAAdi

Planet	Error RevatiAadi (Red)	Error Aswini Aadi (Green)	Error KrittikaAAdi (Yellow)
Mars	38.90	25.57	12.24
Venus	0.00	0.00	0.00
Mercury	44.99	31.66	18.32
Saturn	14.47	0.00	0.00
Jupiter	-308.59	0.00	0.00

Paripaadal Info		Jun/17/0634 Stellarium			Revati-Aadi (best fit)			Aswini-Aadi (acceptable err)			Krittika-Aadi (acceptable error)		
Object	Rasi Location	Longitude of Date	Visible	Longitude J2000	Rasi Start	Rasi End	Error Revati Aadi	Rasi Start	Rasi End	Error Aswini Aadi	Rasi Start	Rasi End	Error Krittikka Aadi
Mars	01-Mesa	20.7867	4:45	39.8078	-13.33	16.67	4.12	0.00	30.00	0.00	13.33	43.33	0.00
Venus	02-Rushabha	43.6476	4:45	62.6701	16.67	46.67	0.00	30.00	60.00	0.00	43.33	73.33	0.00
Mercury	03-Mithuna	68.507	4:45	87.6246	46.67	76.67	0.00	60.00	90.00	0.00	73.33	103.33	-4.83
Saturn	10-Makara	260.4202	4:45	279.4372	256.67	286.67	0.00	270.00	300.00	-9.58	283.33	313.33	-22.91
Jupiter	12-Mina	343.1998	4:45	2.2216	316.67	346.67	0.00	330.00	0.00	-16.80	-16.67	13.33	-30.13
Moon	Eclipsed	Eclipse @ Jun/17/0634 @ 4:05 @ 20 deg alt prior to moonset; Penumbral Eclipse most likely visible per Stellarium (. Espenak Javascript applet shows penumbral eclipse is visble at 26 deg alt at 7:06. This is confusing Full moon set would be around 5:32 . At 7:06 alt should be -ve)											
Krittika	At Zenith	Zenith@Jun/28 ~8AM - Does not Fit as Krittika would not be visible at 8AM even as it is at Zenith											
Bharani	?												

Espenak Eclipse Info For Madurai

Latitude: 9° 56' 21" N

Longitude: 78° 07' 19" W

Time Zone: 05:30 E

Calendar Date

0634-Jun-17

Ecl. Type

P

Pen. Mag.

1.104

Umbra Mag.

0.141

Pen. Eclipse Begins

2:47

Alt

-29

Partial Eclipse Begins

4:16

Alt

-10

Total Eclipse Begins

-

Alt

-

Mid. Eclipse

4:57

Alt

-1

Total Eclipse Ends

-

Alt

-

Partial Eclipse Ends

5:38

Alt

8

Pen. Eclipse Ends

7:06

Alt

26

Planet (x) vs Error in Degrees(y) for Raasis with different Aadi (color)

revati aadi(red) is least error fit

Error RevatiAadi

Error Aswini Aadi

Error Krittikka Aadi

Planet	Error RevatiAadi (Red)	Error Aswini Aadi (Green)	Error Krittikka Aadi (Yellow)
Mars	4.12	0.00	0.00
Venus	0.00	0.00	0.00
Mercury	0.00	-4.83	0.00
Saturn	0.00	-9.58	-22.91
Jupiter	0.00	-16.80	-30.13

Events shown in gray occur below the horizon and are not visible
<https://eclipse.gsfc.nasa.gov/JLEX/JLEX-AS.html>