

CUSTOMARY NOTES.

1. Venus (δ) will be the Morning Star until May 18th, then Evening Star until March 5th, 1838.
2. The Moon will run highest this year, about the 5th degree of (ϖ) Cancer, and lowest about the 5th degree of (ϖ) Capricorn.
3. Latitude of Herschel, (H) about 46 minutes south this year.
4. Longitude of the Moon's (Ω) Ascending Node in the middle of this year 28 degrees.
5. Mean obliquity of the Ecliptic, in the middle of this year, $23^{\circ} 27' 39.5''$. True obliquity, $23^{\circ} 27' 48.4''$.

CHRONOLOGICAL CYCLES.

Dominical Letter,	A	Easter Sunday,	March	26
Golden Number,	14	Rogation,	April	30
Epact,	23	Ascension,	May	4
Solar Cycle,	26	Whitsunday,	May	14
Roman Indiction,	10	Trinity,	May	21
Julian Period,	6550	Advent,	December	3

MOVEABLE FEASTS.

EQUINOXES AND SOLSTICES.

		D.	H.	M.
Vernal Equinox,	March	20	2	23 P. M.
Summer Solstice,	June	21	11	30 A. M.
Autumnal Equinox,	September	23	1	30 A. M.
Winter Solstice,	December	21	6	54 P. M.

ECLIPSES.

There will be five Eclipses this year; three of the Sun, and two of the Moon.

I. There will be an Eclipse of the Sun on the 5th of April, at 2h. 24m. in the Morning, invisible.

II. There will be an Eclipse of the Moon on the 20th of April, at 3h. 42m. in the Afternoon, invisible.

III. There will be an eclipse of the Sun on the 4th of May, at 2h. 5m. in the Afternoon, visible only in remote northern regions.

IV. There will be an eclipse of the Moon on the 13th of October, in the Evening total and chiefly visible.

Moon rises, 8 1.3 digits eclipsed at.....	H.	M.
Beginning of total darkness,.....	5	18
Ecliptical opposition,.....	5	37
Middle,.....	6	20
End of total darkness,.....	6	33
End of the Eclipse,.....	7	7
Duration of total darkness,.....	8	7
Duration of visibility,.....	1	30
	2	49

Depth of immersion in the earth's shadow, 18 digits from the southern side.

V. There will be an Eclipse of the Sun on the 29th of October, at 6h. 30m. in the morning, consequently invisible.

CONJUNCTIONS OF MARS AND JUPITER.

These two Planets will come to a conjunction in longitude on the 25th of February, and again on the 29th of March. Mars will be north of Jupiter on the former occasion $3^{\circ} 18'$, and $2^{\circ} 11'$ on the latter. From the 23d of February to the 3d of April their longitudes will differ but little, and therefore they will south every evening within a few minutes of the same time with each other.