

## ECLIPSES.

There will be two Eclipses this year; both of the Sun, and both invisible in Canada.

The first will happen on March the 15th, and will be a total and central Eclipse at noon, visible in South America.

The second will take place on September the 7th, and will be central and annular at noon; visible in the great Pacific Ocean.

Venus will be the Evening Star from the beginning of the year till the 6th of October, and thence Morning Star to the end of the year. Jupiter will be Morning Star till the 3d April, thence Evening Star till the 22d October, thence Morning Star till the end of the year.

### EQUINOXES AND SOLSTICES.

Vernal Equinox,	March	21
Summer Solstice,	June	22
Autumnal Equinox,	September	23
Winter Solstice,	December	23

**NAMES OF THE SIGNS OF THE ZODIAC.**—Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricornus, Aquarius, Pisces.

### MOVEABLE FEASTS IN 1839.

Septuagesima Sunday,	Jan. 27	Ascension Day,	May 9
First day of Lent,	Feb. 13	Whit Sunday,	" 19
Easter Day,	March 31	Trinity Sunday,	" 26
Rogation Sunday,	May 5	Advent Sunday,	Dec. 1

### TABLE OF THE SOLAR SYSTEM.

NAMES.	Mean d <sup>r</sup> mr in Eng. m.	Mean dist. from the Sun	Time of rota. round their axis	Revolution round the Sun.			
				d.	h.	m.	s.
The Sun,	886,149		25d. 14h 1m 0s				
Mercury,	3,224	37,000,000	0 24 5 28	87	23	15	14
Venus,	7,687	68,000,000	0 23 20 54	224	16	49	10
The Earth,	7,912	95,000,000	1 0 0 0	365	6	9	12
The Moon,	2,180	95,000,000	29 17 44 3				
Mars,	4,189	144,000,000	0 24 39 22	686	23	15	44
Vesta,	23	225,000,000					
Juno,	1,425	252,000,000					
Ceres,	160	263,000,000					
Pallas,	110	265,000,000					
Jupiter,	89,170	490,000,000	0 9 55 37	4,332	14	27	10
Saturn,	79,042	900,000,000	0 10 16 2	10,759	1	51	11
Herschel,	35,112	1800,000,000		10,737	18	0	0

The snow will, with a fall, roads good for a succession of v... last until the 8... clear bright sky and 12 above 2... more moderat... 10 minutes bef... until the same... from severe col... ed with slight... features of the

Last Quar. 7  
New Moon, 1

D. D.	M. W.	
1	T	Circumcis
2	W	
3	T	
4	F	
5	S	
6	F	Epiphany
7	W	Moon in
8	T	
9	W	Lord Nel
10	T	
11	F	
12	S	
13	F	2d Sund
14	M	
15	T	
16	W	Battle of
17	T	Dr. Fran
18	F	
19	S	Moon in
20	F	
21	M	Sun ente
22	T	Lord Bac
23	W	William
24	T	
25	F	Conversi
26	S	
27	F	Septuag
28	M	Peter th
29	T	George
30	W	King Cl
31	T	George