

108520.....1A...1.

OBSERVED TRANSITS
OF THE
SUN, PLANETS,
AND
FIXED STARS
OVER THE
MERIDIAN.

In SEPTEMBER MDCCCL.

DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H " "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
☉ 2.	27 39+ 42 29½ 28 26½ 39 5½	28 58-	18 28 56- 19 39 3- 19 43 30 21 29 29+ 40 7+ 48 7+ 21 53 23½	30 1+	30 12+ 40 3+ 41 9	α Lyræ. α } Aquilæ. β } δ 1st L. 9h 58' 03", 7 mean time. μ Capricorni. 18 Pegasi. ι Aquarii.
☿ 5.			20 10 35+ 20	16 40-		5. 117. 7. } Index not 5. 117. 30. } adjusted.
♃ 6.	37 : 49½ Observed with 3 39+ 27 40+	the naked eye 28 18+	11 38 : 50- 11 40 : 58 14 4 43+ 18 28 56+ 34 23½ 40 14½ 44 16+ 44 18+ 47 11- 51 48× 54 24 57 14 18 59 35½ 19 1 35+ 4 37½ 8 10½ 11 53- 19 16 51½ 18 4 22 21½ 23 55 26 27 29 24× 34 51½ 39 4 19 43 30½	Cloud 5 15+ 13 52½	Cloudy 5 47 30 13+	☉ 1st L. ☉ 2d L. Arcturus. α Lyræ. ι Aquilæ. σ Sagittarii. } S Serpentis. ξ } Sagittarii. τ } ζ } 19 } Aquilæ. 20 } 21 } 22 } d } 50 } Sagittarii. δ } c } Aquilæ. e } μ } κ } ε } Sagittæ. α } γ } Aquilæ. β }

In SEPTEMBER MDCCCL.						
D A Y of the MONTH.	1st Wire.	2d Wire.	Meridian Wire.	4th Wire.	5th Wire.	Names or Characters of the Sun, Planets, and Stars.
24 6.	22 19½ 36 31 48 38- 2 0+	37 18-	0 44 5 1 23 23- 38 5+ 49 38- 1 53 38 5 3 1- 5 57- 8 32 11 0- 12 13- 19 43+ 24 1- 28 38- 5 42 7+ 6 34 35½ 7 19 5+ 26 40 7 30 27+		24 25 39 38+ 50 37½ 4 1+	Pole Star D 2d L. 13h 35' 34", 1 mean time. n <i>Ursæ Majoris</i> below the Pole. α <i>Piscium.</i> α <i>Arietis.</i> <i>Rigel.</i> τ <i>Orionis.</i> λ <i>Leporis.</i> β <i>Tauri.</i> γ } δ } <i>Orionis.</i> ε } ζ } α } Syrius. <i>Caplor.</i> <i>Procyon.</i> <i>Pollux.</i>
25 7.	41 26+ 43 34½ 15 37 3 40- 27 40- 38 3½ 42 31-	41 56 44 4½ 29 40 4 11- 28 18 34 21- 38 33½ 43 1-	11 42 26- 11 44 34+ 12 43 53 13 38 6- 14 4 44- 18 28 56 18 34 23+ 19 34 51+ 39 4- 19 43 31+	42 56+ 45 4½ 35 22- 44 2-	43 26½ 45 34½ 12 5 39 39 5 48- 30 13 35 52 40 4+ 43 31+	○ 1st L. ○ 2d L. Pole star below. n <i>Ursæ maj.</i> <i>Arcturus.</i> α <i>Lyræ.</i> γ } δ } <i>Aquilæ.</i> α } β }
26 8.	45 2- 47 10 3 39+ 27 40- 28 21½ 32 24 38 3½ 42 31-	31½ 40- 29 45 4 11 28 18 28 52½ 32 54+ 34 21- 38 33½ 43 0½	11 46 1½ 11 48 10- 12 43 57 14 4 43 18 28 50+ 19 29 24- 30 18 33 25 34 51 39 3½ 19 43 30½ 0 44 7	32- 40 5 15 39 34+ 44 1	47 2- 49 10- 5 47- 30 13- 40 4+ 44 31-	○ 1st L. ○ 2d L. Pole star below. <i>Arcturus.</i> α <i>Lyræ.</i> α } <i>Sagittæ.</i> β } γ } δ } <i>Aquilæ.</i> α } β } Pole star.
The Observations of the Pole Star shew that the mark on Lord Chesterfield's House, by which the Transit Instrument is set, lies about 5" in Azimuth to the East of the Meridian.						
27 9.	27 3+ 32 5		3 28 9 3 33 10		29 15+ 34 15+	D 2d L. 15h 32' 8", 5 mean time. n <i>Pleiadum.</i>
28 9.	48 37 3 39 28 21+ 38 3+ 42 30+	49 7- 4 11- 28 52+ 29 46+ 32 54 34 20+ 33 43 0+	11 49 37- 11 51 45 14 4 43- 19 24 15+ 26 26½ 29 24- 30 18- 33 24+ 34 50½ 39 3½ 19 43 30½	52 15× 5 15- 35 21- 44 1-	52 45 5 46½ 40 52+ 31	○ 1st L. ○ 2d L. <i>Arcturus.</i> α <i>Aquilæ.</i> ε } α } <i>Sagittæ.</i> β } γ } δ } <i>Aquilæ.</i> α } β }
29 10.	52 13- 54 21	42½ 51	11 53 12+ 11 55 21-	55 51	54 12 56 21	○ 1st L. ○ 2d L.
30 11.	55 48½ 57 56½ 22 37 27 39× 28 21- 32 : 23 Cl. 41 6+	56 18+ 24 17- 28 17× 32 : 53½ 38 : 32+	11 Cl. 11 58 56+ 18 25 56+ 18 28 55½ 18 52 19½ 19 12 51+ 18 55- 21 6- 29 23 30 : 17 19 Cl. 19 39 : 3- 5 42 6+	Cl. 59 27- 29 34- 33+	57 : 48 59 56½ 30 12+ 43 7-	○ 1st L. ○ 2d L. x <i>Draconis.</i> α <i>Lyræ.</i> δ <i>Ursæ minoris.</i> δ <i>Draconis.</i> γ <i>Vulpeculæ et Anseris.</i> β <i>Cygni.</i> α } <i>Sagittæ.</i> β } γ } <i>Aquilæ.</i> α } α <i>Orionis.</i>

1795 BGAO.....1A....1.

In SEPTEMBER MDCC L.

DAY of the MONTH.	1st Wire. / " /	2d Wire. / " /	Meridian Wire. H / " /	4th Wire. / " /	5th Wire. / " /	Names or Characters of the Sun, Planets, and Stars.
8 12.		58 9-	12 0::24 12 2::32 20 58:40- 21 3 47½ 8 25½ 10 57½ 12 42+ 14 54½ 18 51+ 23 31½ 27 20 29 53 21 32 22½ 4 14 32- 20 10- 22 5- 25 30- 33 29- 36 45 54 45+ 58 45½ 5 0 42 2 59½ 8 30- 12 43½ 17 53 19 42½ 25 13- 28 36½ 30 1 34 9½ 42 6½ 49 6 5 51 14- 6 8 18x 23 43½ 29 0½ 6 34 35- 7 19 4 26 39 7 31 25-	very hazy, and	cloudy, indistinct.	☉ 1st L. ☉ 2d L. γ } Equulei. α } 16 Aquarii. β Equulei. 21 Aquarii. b Capricorni. β Aquarii. ε Capricorni. d } Aquarii. 26 } ε Pegasi. ε } Tauri. ρ } Aldebaran. c } Eridani. μ } i } Orionis. i } Capella. 1 ρ Orionis. Rigel. ξ Draconis below. ε Ursæ minoris below. A } Orionis. 1 δ } β Draconis below. ζ } Orionis. b } 132 Tauri. α } Orionis. μ } γ Draconis below. μ } γ } Geminorum. ε } Syrius. Castor. Procyon. ☽ 2 L. 19 ^h 19' 1", 5 mean time.
21 13.	2 59+ 49 38 27 39- 38 2+ 57 19½	3 29+ 50 26+ 20 32 38 32½ 58 2+	12 3 59+ 12 6 7+ 17 51 14½ 18 28 55 19 21 5½ 24 14½ 29 22½ 33 23½ 34 : 49½ 39 2½ 43 29½ 51 57½ 55 34½ 19 58 51½ 20 0 46x 4 14½ 4 37½ 30 1½ 20 33 22½ 0 44 4 4 50 46 53 10- 54 45 4 58 45+ 5 2 59 5 56- 8 31 10 59 12 12 17 52+ 19 42- 5 22 9	6 37½ 52 3 29 34- 39 33 59 28½	7 7+ 52 50½ 30 11½ 40 3 0 11- 3 59½	☉ 1st L. ☉ 2d L. γ Draconis. α Lyrae. β Cygni. i Aquilæ. α Sagittæ. ↓ γ } α } β } Aquilæ. 62 } 64 } 9 } 66 } 1 α } Capricorni. 2 α } 10 Delphini. α Cygni. Pole star. 1 γ Orionis. m Tauri. i Orionis. Capella. Rigel. τ Orionis. λ Leporis. β Tauri. γ } Orionis. A } δ } α Leporis.

In SEPTEMBER MDCCCL.						
DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
24 13.			5 25 12 ⁷ / ₈ 28 36 30 1— 32 20— 34 9 42 6+		42° 6+	β Draconis below. ξ } Orionis. b } τ Aurigæ. 132 Tauri. α Orionis. * 43 γ Draconis below. Syrius. Castor. Procyon. Pollux. D 2d L. 20 ^h 8' 13 ^s .9 mean time.
24 13.	33 32 17 53+	50 25— 34 3+ 18 28 ¹ / ₂	5 51 13 ⁷ / ₈ 6 34 34 ⁷ / ₈ 7 19 4— 26 38 ¹ / ₂ 30 26 8 24 41 ⁷ / ₈	6—	35 37— 20 14 ¹ / ₂	
24 13.	23 38—	24 9 ¹ / ₂	7 30 26 8 24 41 ⁷ / ₈	25 13 ¹ / ₂	25 45—	
24 14.	6 35+ 8 44— 33 32—	7 5 9 14—	12 7 35× 12 9 43 ¹ / ₂ 6 34 34	8 5+ 10 14—	8 35 10 43 ¹ / ₂ Cl.	○ 1st L. ○ 2d L. Syrius.
The Pendulum swings 1°. 35'.						
24 15.	12 20	10 41+ 50	12 11 11+ 12 13 20 20 58 38 21 3 46 ¹ / ₂ 8 24 ¹ / ₂ 10 56 13 29 ¹ / ₂ 17 7— 18 50+ 23 30+ 26 39 ¹ / ₂ 30 27 ¹ / ₂ 32 21 ¹ / ₂ 21	41+ 50	12 11 ¹ / ₂ 14 20—	○ 1st L. ○ 2d L. γ } Equulei. α } 16 Aquarii. β Equulei. 35 Capricorni. 35 Pulpeculæ et Anseris. β Aquarii. ε } Capricorni. γ } 1 Piscis Australis. ε Pegasi. δ Piscis Australis.
At 23 ^h 4' 30" 24 1st Satellite Immersed with the 15 f. Tube, = 10 ^h 50' 36 ^s / ₄ app. time.						
23 33 ¹ / ₂	24 22		0 44 6 5 17 52+ 19 41 ¹ / ₂ 25 12— 28 36— 34 8 ¹ / ₂ 36 20 ¹ / ₂ 38 38 42 5 ¹ / ₂ 45 28— 49 5 51 13 5 59 52 ¹ / ₂ 6 8 17+ 12 8 25 54— 6 34 34 7 19 3+ 7 26 38+ 10	55 48+		Pole star. A } Orionis. δ } β Draconis below. ξ Orionis. 132 Tauri. κ Orionis. 137 Tauri. α Orionis. η Leporis. μ Orionis. γ Draconis below. δ Leporis. 2 φ * Draconis below. * 2 ψ μ Geminorum. β Canis majoris. χ Draconis below. Syrius. Castor. Procyon. D 2d L. very faint. 21 ^h 37' 52 ^s .9 m. time.
44 26 ¹ / ₂ 48 4 ¹ / ₂	41 35 ¹ / ₂					
33 32— 25 38 ¹ / ₂	34 3 18 28 26 8 ¹ / ₂ 1 56 ¹ / ₂	7 45—		35 5+ 27 8 ¹ / ₂	: 36 27 38 ¹ / ₂	
○ 16.	13 48	14 18—	12 14 48— 12 16 56		17 56—	○ 1st L. ○ 2d L.
This Day I observed the ○ with the Equal-Altitude Instrument, and by the mean of 14 Observations (the extreams of which differed but ¹ / ₂ of a Second) the Sun passed the Meridian but ¹ / ₂ of a Second in time after it passed at the Transit Instrument.						
38 1 ¹ / ₂	24 : 22— 50 25	17 25 12 51 13 25 55 21 5— 23 52 ¹ / ₂ 26 25— 29 22— 34 49 39 1 ¹ / ₂ 41 0 ¹ / ₂ 17 43 28 ¹ / ₂	26 2 52 1 ¹ / ₂	50 ¹ / ₂ 49 ¹ / ₂	β } Draconis. γ } χ } β Cygni. κ Aquilæ. ε } Sagittæ. α } γ } α } 56 } β }	

1799RC40.....1A.....1.

In SEPTEMBER MDCC L.

D A Y of the MONTH.	1st Wire. / " /	2d Wire. / " /	Meridian Wire. H / " /	4th Wire. / " /	5th Wire. / " /	Names or Characters of the Sun, Planets, and Stars.
17.	I moved the Tin-Plate at Lord Chesterfield's $\frac{1}{2}$ an Inch more Westerly, which corresponds to 6"; so that I now judge that it lies very nearly in the Meridian, both the Sun and Circumpolar Stars shewing that it was before about 6" too much towards the East. N.B. The Diameter of the Hole in the Tin-Plate is $\frac{1}{5}$ of an Inch, and the Breadth of the Plate $3\frac{1}{4}$ Inch, which I found subtended an Angle of 39"; therefore the Diameter of the Hole corresponds to $7\frac{1}{2}$ "; and the Distance of the Mark from the Observatory is 2,16 Furlongs, or 1425 Feet.					
	17 52 25 38- 29 17 $\frac{1}{2}$ 47 2-	18 28- 26 8 29 51 $\frac{1}{2}$ 47 32+	17 25 12 $\frac{1}{2}$ 7 19 3 26 38 7 30 25 $\frac{1}{2}$ 10 48 2 $\frac{1}{2}$	19 39- 31 0 48 33+	20 14- 27 39- 31 34+ 49 3 $\frac{1}{2}$	β Draconis. Castor. Procyon. Pollux. Venus. 22 ^h 15' 28", 8 mean time.
18.	21 1 23 10	31 40 30 : 47 :	12 22 1 24 10 12 44 1 14 Cl. 18 28 54- 0 44 : 0 6 Cl.	31 $\frac{1}{2}$ 40 5 13 Cloudy 19 39- Cl.	23 1+ 25 10- 5 : 45- 35 36- 20 13 $\frac{1}{2}$	$\odot$ 1st L. $\odot$ 2d L. Pole star below. Arcturus. α Lyrae. Pole star. Syrius. Castor. Procyon. Pollux.
19.	24 38 $\frac{1}{2}$ 26 47 $\frac{1}{2}$ 3 37- 27 37 33 48 38 1- 41 53 $\frac{1}{2}$ 52 23- 11 57	25 8+ 27 17+ 4 : 8+ 28 15+ 34 18 $\frac{1}{2}$ 38 31 42 23 $\frac{1}{2}$ 52 53- 12 27+	12 25 38+ 12 Cl. 12 44 ::1 14 4 40 $\frac{1}{2}$ 17 51 12 $\frac{1}{2}$ 18 28 53+ 18 35 20- 19 34 48 $\frac{1}{2}$ 39 1 x 19 19 43 28 21 53 23- 21 58 2- 22 9 11- 22 12 57+ 0 0 44 1	26 8 $\frac{1}{2}$ 17+ 28 17+ very faint 5 13- 29 32- 35 19 $\frac{1}{2}$ 39 31 $\frac{1}{2}$ 53 53 42 44	26 38+ Cl. & dubious 5 44 $\frac{1}{2}$ 30 10 35 49 40 1 $\frac{1}{2}$ 54 23- 13 : 57	$\odot$ 1st L. $\odot$ 2d L. Pole star hazy. Arcturus. γ Draconis. α Lyrae. 110 Herculis. γ } α } Aquile. ξ } β } α Aquarii. δ Pegasi. γ } Aquarii. π } a 7 th preceding the Pole star. Pole star.
20.	33 48 38 0+	34 18- 38 31-	19 13 19 $\frac{1}{2}$ 18 44- 21 4- 22 : 19+ 23 52 26 24+ 28 16 x 30 15- 34 48 39 1- 48 53- 51 35- 51 51- 55 33 58 50 19 0 45- 20 3 8 $\frac{1}{2}$ 5 8 $\frac{1}{2}$ 7 23 9 0 $\frac{1}{2}$ 11 45- 13 25+ 15 1 17 0 $\frac{1}{2}$ 18 46- 21 42 x 24 8 25 51 $\frac{1}{2}$ 27 55 28 27 $\frac{1}{2}$ 30 0 31 42- 20 33 20 $\frac{1}{2}$	31 x 35 : 48 $\frac{1}{2}$ 40 1+	δ Aquile. 6 Vulpeculae et Anseris. β Cygni. μ } Aquile. κ } ϵ Sagittae. 45 Aquile. β Sagittae. γ } Aquile. α } 14 } Vulpeculae et Anseris. 16 } 64 } 9 } Aquile. 66 } 22 Vulpeculae et Anseris. β Capricorni. 34 Cygni nova. 25 Vulpeculae et Anseris. π } Capricorni. 9 } 69 Aquile. 1 } Delphini. ϵ } 70 } Aquile. 71 } α } Delphini. 10 } $\downarrow$ Capricorni. α Cygni.	

In SEPTEMBER MDCC L.							
DAY of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.	
20.			20 35 51+ 43 49- 47 47- 20 58 37× 21 2 44½ 3 45½ 5 15½ 8 3- 21 10 55½ 17 6 18 49½ 21 13 21 23 29½ 6 34 33	9 16	35 4½ 35 35+	13 Delphini. 7 } Aquarii. 9 } 7 } Equulei. α } τ } Cygni. σ } ι Capricorni. β Equulei. 35 Vulpecula et Anseris. β Aquarii. 37 } Capricorni. ε } Syrius.	
25.	33 31- 37 59+	34 2- 38 29½ 34 1 18 26- 26 6½ 50-	18 57 10 19 1 31- 4 33× 7 36½ 19 18 43- 29 20- 30 14 34 47- 19 39 0- 6 31 40 34 32× 6 52 8 7 19 1½ 26 36½ 7 30 24-	13 48- 19 16- 35 17½ 30+	14 18- 31 16+ 40 48- 40 0+	19 } 21 } Aquila. 22 } 26 } δ } 6 Vulpecula et Anseris. α } β } Sagittae. γ } α } Aquila. 2 ξ Geminorum. Syrius. δ Urse minoris below. Castor. Procyon. Pollux.	
26.	31 15½ 55+	50 36 52 45½	12 51 6 12 53 15½ 20 33 19- 20 38 5-	53 36½ 46	52 7- 54 16- 34 42	○ 1st L. ○ 2d L. α } λ } Cygni.	
29.	1 7- 3 16+ 0 44 9 53	37- 46+ 1 : 15	13 2 7- 13 4 16½ 21 1 47- 21 10 56	37 47- 2 19-	3 7 5 17 2 :: 50½	○ 1st L. ○ 2d L. D 1st L. 7 ^h 44' 20", 4 mean time. c Pegasi.	
OCT. 1.	51 50-	52 20½	22 52 51½ 56 29 22 59 32- 23 1 46- 4 36½ 8 1- 23 9 55½			D 1st L. 9 ^h 27' 15", 7 mean time. 3 c Aquarii. 59 Pegasi. φ Aquarii. γ } Piscium. b } 97 Aquarii.	
2.	12 10+ 20+ 27 33 33 44 37 57 45 53 48 49+ 33 28- 25 34+ 15 41	40+ 50½ 28 11½ 30 : 11+ 34 45- 38 57½ 19 46 53 23 49 51- 6 34 30+ 6 52 3 7 18 59+ 26 35- 7 30 22 12 43 : 56	13 13 10½ 13 15 21 18 28 49+ 18 52 2 19 1 29- 4 31 7 34½ 30 : 11+ 34 45- 38 57½ 19 46 53 23 49 51- 6 34 30+ 6 52 3 7 18 59+ 26 35- 7 30 22 12 43 : 56	41 51+	14 11+ 16 21½ 30 6- 35 45½ 39 58- 35 33- 27 35	○ 1st L. ○ 2d L. α Lyrae. δ Urse minoris. 21 } 22 } Aquila. 26 } β Sagittae. γ } Aquila. α } ω Piscium. D 1st L. 10 ^h 20' 10", 1 mean time. Syrius. δ Urse minoris below. Castor. Procyon. Pollux. Pole star below.	
3.	27 33 47 51	4 5 28 11½	14 4 37 18 28 49½ 18 52 2 0 43 55 0 48 54- 1 1 5+	29 28	Cl. 30 6+	Arcturus. α Lyrae. δ Urse minoris. Pole star. D 1st L. 11 ^h 15' 7", 5 mean time. ξ Piscium.	

1798GAO.....1A...1.

Observed TRANSITS of the SUN, PLANETS and FIXED STARS over the MERIDIAN.

In OCTOBER MDCC L.						
DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
4	4 ^h 51 55		1 52 59 1 59 53		54 3 0 54	☿ 2d L. 12 ^h 15' 6", 4 mean time. ♃ Jupiter. 12 ^h 21' 59", 2 mean time.
5	27 32+ 37 56½	28 10½	18 28 48½ 18 52 1 19 38 56½	29 27½	30 5½	α Lyræ. δ Urfæ minoris. α Aquilæ.
6	49 16 1 55+		3 50 20 3 51 59+ 4 3 2-		4 9-	♈ } Tauri. ↓ } ☿ 2d L. 14 ^h 16' 56", 9 mean time.
13	53 29½ 42- 27 30-	54 0- 56 12 28 8-	13 54 30½ 13 56 42½ 18 28 46 19 32 5 34 41× 36 33× 19 38 54 20 33 13½	55 1½ 13+ 29 25-	55 32 57 44 30 2½	☉ 1st L. ☉ 2d L. α Lyræ. γ Aquilæ. δ Sagittæ. α Aquilæ. α Cygni.
17			10 48 21- 12 43 58 13 5 40- 14 4 32½		6 40 5 37-	α Urfæ majoris. Pole star below. ♀ Venus. 22 ^h 34' 54", 0 mean time. ♈ Arcturus.
18	12 44+ 14 57½ 27 29- 37 53- 29 11- 3 29	13 15- 15 28+ 28 7 38 23- 26 1 29 44½ 29 33 4 1-	14 13 45½ 14 15 59+ 18 28 45 19 34 40+ 36 32½ 19 38 53½ 0 43 12½ 0 43 :: 50 7 26 31 7 30 19- 7 33 1 9 31 55+ 9 55 20 12 43 51 14 4 32½	14 17- 16 30½ 29 24- 39 23½ 58 :: 6 5 5	14 48 17 1 31 2- 39 53½ flutt. 36½	☉ 1st L. ☉ 2d L. α Lyræ. γ Aquilæ. δ Sagittæ. α Aquilæ. ε Urfæ majoris below. Pole star. ♈ Procyon. Pollux. σ Draconis below. ε } Leonis. α } Pole star below. ♈ Arcturus.
19	16 38- 18 51	17 8 19 22 29 46	14 17 39 14 19 53 18 28 45 19 38 53- 0 43 50 6 34 27- 7 26 31-	18 10+ 24+ 58 9	18 41 20 55- 35 29+ 27 31+	☉ 1st L. ☉ 2d L. α Lyræ. α Aquilæ. Pole star. ♈ Sirius. ♈ Procyon.
20	20 32 46 37 53- 54 18+	21 3- 23 : 17- 55 19	14 21 33½ 14 23 : 47+ 19 38 53× 9 55 20- 12 43 49 14 4 33-	22 5- Cl. Cl.	35½ Cl. 56 21 5 37-	☉ 1st L. ☉ 2d L. α Aquilæ. Regulus. Pole star below. ♈ Arcturus.
21	24 27+		14 25 29 14 27 43 19 42 26 43 20 19 46 42+ 0 43 : 52		28 45	☉ 1st L. ☉ 2d L. ξ } Aquilæ. β } 11 Sagittæ. Pole star.
22			14 4 33+		5 37+	♈ Arcturus.
23	32 19		14 33 22+ 14 35 37-		36 39-	☉ 1st L. ☉ 2d L.
24	27 29½ 50 33+ 37 53½	28 8- 38 44	18 28 46 18 51 : 39½ 19 34 41+ 19 38 54 0 43 53½ 7 26 32- 12 43 :: 50	29 25- 52 13 39 24½ Cl.	30 2½ 52 46- 54½ 27 32+	α Lyræ. ☿ 1st L. 3 ^h 56' 20", 9 mean time. γ } Aquilæ. α } Pole star. ♈ Procyon. Pole star below.
25			18 28 46 19 38 54 43 21 19 46 24+ 9 55 21+		30 3- 39 54½ 47 30- 56 23-	α Lyræ. α } Aquilæ. β } ☿ 1st L. 4 ^h 47' 1", 0 mean time. ♈ Regulus.

In OCTOBER MDCC L.							
D A Y of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.	
♀ 26.	44 15½ 27 30+ 37 54 39 20-		14 45 18 14 47 33+ 18 28 46½ 19 38 54+ 20 40 23+ 0 43 51½ 6 34 28+		48 36- 30 3+ 39 55 41 27- 35 31	⊙ 1st L. ⊙ 2d L. α Lyræ. α Aquilæ. ⊙ 1st L. 5h 36' 54", 6 mean time. Pole star. Syrus.	
♂ 27.	48 17- 50 32- 32 46 52 18-	47½ 51 : 3 33 : 17	14 49 18+ 14 51 34 21 33 49- 38 : 36 53 17½ 21 55 44+ 0 43 53	49 50 6- 52 36½ 34 20	50 21 52 36½ 34 51 54 17½	⊙ 1st L. ⊙ 2d L. ⊙ 1st L. 6h 26' 14", 9 mean time. 13 Pegasi. α Aquarii. 1 Pegasi. Pole star.	
♂ 29.	20 33 54 22	21 4-	23 14 29+ 23 21 34½ 27 28½ 34 0 23 35 28 0 43 53½ 9 55 23½ 12 43 52½ 14 4 : 36+	16 10½ 22 5½	36+ 56 25-	1 * } Piscium. 9 ⊙ 1st L. 8h 5' 50", 1 mean time. 19 } Piscium. 20 Pole star. Regulus. Pole star below. Arcturus faint.	
♂ 30.	0 22 2 38	53 3 9½	15 1 24+ 15 3 : 41-	1 56 4 12+	2 27+ 4 44-	⊙ 1st L. ⊙ 2d L.	
♂ 31.	Cl. 6 : 42 37 56	38 26	15 Cl. 15 7 44+ 19 38 56+ 20 20 38 4½ 41 47½ 20 44 8	6 : 0 Cl. 39 27- 33 58-	6 : 32 Cl. 39 57- 34 39+	⊙ 1st L. ⊙ 2d L. α Aquilæ. α Cygni. 15 Delphini. 31 Vulpeculæ et Anseris. 17 Delphini.	
♂ Nov. 1.	33 1- 39 8+ 44 22- 44 58 52 28- 18 15+		23 34 0+ 40 11 23 45 27- 0 43 52 1 45 58+ 1 53 32 2 19 20-		20 25	19 Piscium. φ } Pegasi. ↓ Pole star. Jupiter. 10h 18' 2", 1 mean time. α Arietis. ⊙ 1st L. 10h 51' 18", 0 mean time.	
♀ 2.	Cloudy		15 15 : 53			⊙ 2d L.	
♂ 3.	20 58+ 33 21+		4 22 0+ 4 34 29-		23 3- 35 36-	Aldebaran. ⊙ 2d L. 12h 58' 12", 5 mean time.	
♂ 4.	20 47-		15 21 50+		Cloudy	⊙ 1st L.	
♂ 6.			0 43 51½			Pole star.	
♂ 7.	37 56+		19 38 57-		39 57	α Aquilæ.	
♂ 8.	42 32- 46 21+ 54 23+		9 25 47- 29 17 32 0- 43 32 45 : 8- 47 22- 9 55 25- 12 43 52		30 20 48 22 56 26+	2 Sextantis. ⊙ 2d L. 17h 32' 32", 9 mean time. ε Leonis. 10 Sextantis. ν } Leonis. π } Regulus. Pole star below.	
♀ 9.	41 33-		15 42 36½ 15 44 54½		45 58+	⊙ 1st L. ⊙ 2d L.	
♂ 11.	57 25- 59 33		0 43 51 0 58 28- 1 0 : 39 1 2 28			Pole star. x } Piscium. φ } 38 Ceti.	
♂ 12.	Cl. 28 11-		15 55 14+ 15 57 33+ 18 28 49		Cl. 30 5+	⊙ 1st L. ⊙ 2d L. α Lyræ.	
♂ 13.			18 28 49 0 43 51 12 43 50 14 4 38-	Cl. Hazy	30 6- 5 42	α Lyræ. Pole star. Pole star below. Arcturus.	

1798RGAO.....1A...1.

In NOVEMBER MDCCCL.									
D A Y of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.			
8 14.	Cl.		16 6 35 18 28 49+ 20 33 16		Cl. 30 6- 34 40	☉ 2d L. α Lyræ. α Cygni.			
9 16.	Cl.		16 12 16+ 16 14 36		Cl.	☉ 1st L. ☉ 2d L.			
17.	37 57	27 53½ 32 35	19 38 57+ 20 28 24½ 20 33: 16 0 43 47 12 43 48 13 12 26½ 14 4 38½	33 59	39 58-	α Aquilæ. α Delphini. α Cygni. Pole star. Pole star below. Spica Virginis. Arcturus.			
	3 34½	4 6½		5 11-	5 42½				
18.	19 47 22 8 27 33	20 20- 22 40	16 20 51½ 16 23 12 18 28 50-	21 24 23 44½	21 56 24 16+	☉ 1st L. ☉ 2d L. α Lyræ.			
At 22 ^h 34' 40" — the first Satellite of Jupiter Emerged in the 15 f. Glaß = 6 ^h 11' 30" apparent time.									
			0 31 26½ 34 36- 0 43 46½			β Ceti. η Cassiopeiæ. Pole star.			
19.			0 43 48 50 25½ 52 22½ 55 56½ 0 58 8½ 12 43 47 15 40 9			Pole star. ε } 73 } Piscium. c } 33 Ceti. Pole star below. Venus. 23 ^h 5' 5", 8 mean time.			
	45 5½	45 37+		46 41	47 12½				
20.	28 26+ 30 47 37 58½	28 58× 31 19 38 29- 32 36+	16 29 30× 16 31 51½ 19 38 59 20 33 18 21 19 41 49 2 21 54 44 0 39 31 41: 8 0 43 48 1 39 21½ 41 20 1 44 30+ 13 12 28+ 14 4 40½ 15 51 20-	30 3 32 24 39 29½	30 35+ 32 56 40 0-	☉ 1st L. ☉ 2d L. α Aquilæ. α Cygni. 6 mag. Pol. D. 6 below 1° 32' 6 4 28 6 11 39 5 5 6 6 4 13 Pole star. Jupiter's Center. 8 ^h 56' 40", 8 mean time. β } λ } Arietis. Spica Virginis. Arcturus. Venus. 23 ^h 6' 18", 9 mean time.			
	11 28- 3 36½	4 8½ 50 48		5 12½ 52	5 44½ 52 24-				
21.	Cl.	28 13½ 29 23- 38 29½ 32 37- 8 52+	16 36 12 18 28 52½ 19 29 56- 19 38 59½ 20 33 18½ 21 9 33 12 58+ 14 31½ 19 42 23 16½ 25 42 32: 18½ 46 54½ 49 3 21 54 44½ 22 6 13 9 2 13 30 17 39½ 27 48 29 52½ 30 36 39 29 44 46 48 9 54 50 22 57 12	29 30+ 39 30+ 34 1	31 1- 40 0+	☉ 2d L. α Lyræ. ☉ 1st L. 2 ^h 44' 18", 9 mean time. α Aquilæ. α } A } Cygni. α Cephei. 6 ^m 6 ^m 1° 32' 7 } Cephei. β } 6- μ Cephei. 6+ below 4 28 6- 11 39 6- contiguar. præc. 8 22 6 below 8 15 5 below 13 0 6 below 8 16 6- 12 30 6, 5 5 11 6 5 4 6 below 10 53 6 below 13 12 5 8 12 5 7 0 6- 10 35			
	28 49½ 37 59 8 12-								

In NOVEMBER MDCC L.						
DAY of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
21.		13 15½	23 0 26½ 8 53 14 16½ 16 40 21 30— 27 47 29 45½ 35 24+ 40 58½ 45 43½ 51 1 23 56 27— 0 3 20 20 57— 30 7 32 4 0 43 48½ 9 19 35 32 18 38 19+ 49 5 9 54 44 10 6 13 13 30 10 29 50			π } <i>Cephei</i> . 0 } <i>Cassiopeia</i> . d } <i>Draconis</i> below. λ } below. 2 } 6 ^m 4° 5' γ <i>Cephei</i> . τ <i>Cassiopeia</i> . γ <i>Ursae majoris</i> below. 6 ^m 8 13 6, 7 8 26 β <i>Cassiopeia</i> . δ <i>Ursae majoris</i> below. α } <i>Cassiopeia</i> . 21 } 23 } Pole star. 6— below 1 32 6— below 6 50 6— 14 2 6+ 4 28 6— below 11 39 6 below 8 22 5 13 0 5, 6 below 5 11
22.	37 7+ 39 28½	37 : 40 40 1	16 Cl. 16 40 : 33	38 44 41 5½	Cl. 31 : 37	○ 1st L. ○ 2d L.
24.		49 58—	0 43 49 50 28— 52 25— 0 55 59+ 12 43 47 13 12 30½ 14 Cl.	51 51 5 14½	5 46+	Pole star. ε } <i>Pisium</i> . 73 } c } Pole star below. Spica Virginis. Arcturus.
25.	50 13 52 35— 0 19— 7 3+	50 : 46— 53 7+	16 Cl. 16 53 39½ 23 1 20+ 8 4— 10 57— 23 14 35—	51 51 54 12	52 23— 44½	○ 1st L. ○ 2d L. D 1st L. 5 ^h 59' 23", 5 mean time. b <i>Pisium</i> . 68 <i>Pegasi</i> . 1 κ <i>Pisium</i> .
26.	54 36 58—	55 8+ 57 30+	16 55 41 16 58 2½	56 14— 35+	56 46— 59 7½	○ 1st L. ○ 2d L.
27.	49 15½	42 37½ 47—	0 43 48½ 0 50 18 1 1 11 5 24½ 7 31+ 10 18 12 1 X	50—	51 21—	ε <i>Ursae Majoris</i> below. Pole star. D 1st L. 7 ^h 40' 11", 0 mean time. ζ } <i>Pisium</i> . f } 42 } 43 } <i>Ceti</i> . 9 }
28.	27 38 38 2 31 57½	28 16 32 32+ 32 40— 15 39 17 40 9	18 28 54½ 19 39 2½ 20 33 21+ 21 18 51 25 44½ 21 32 22½ 23 6 54½ 10 17½ 13 21½ 16 46½ 27 47 29 47 35 27— 41 2— 45 : 45½ 23 56 : 34 0 0 30 circ. 0 41 8½ 0 43 47½ 1 1 11+ 1 1 13	29 33 33 34 4—	30 11+ 40 3 34 45½	α <i>Lyræ</i> . α <i>Aquila</i> . α <i>Cygni</i> . β <i>Aquarii</i> . β <i>Cephei</i> . ε <i>Pegasi</i> . 96 <i>Aquarii</i> . 1 b } <i>Aquarii</i> . 2 b } 3 <i>Pisium</i> . 6 ^m 4° 5' γ <i>Cephei</i> . τ <i>Cassiopeia</i> . γ <i>Ursae majoris</i> below. 6— 8 13 6 11 41 6+ below 10 58 6 4 13 Pole star. ξ } <i>Pisium</i> double.

1798RGAO.....1A....1.

In NOVEMBER MDCC L.

D A Y of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	Names or Characters of the Sun, Planets, and Stars.
8 28.	52 34	48 28 53 6½ 56 48 58 50 2 27½ 6 44	1 4 25 44 33½ 49 0 53 38½ 55 16— 57 19+ 1 59 22— 2 3 3— 4 46½ 7 14	49 32+	50 4	39 Ceti. λ Arietis. D 1st L. 8h 34' 47", 2 mean time. α Arietis. β Trianguli. 15 } Arietis. γ } γ Trianguli. ι δ Arietis. ο Ceti nova. 4 or 5 mag.
4 29.	7 47 38 2 1 52+ 12 5+ 50 8	32+	17 8 53— 17 11 14 19 39 2½ 20 33 21+ 0 43 47 1 53 39— 2 4 46½ 2 3 3 7 14 9 59+ 13 15— 14 38 45 28+ 2 51 14+	Windy 39 33—	12 19½ 40 3 52 20	ο 1st L. ο 2d L. α Aquile. α Cygni. Pole star. α } Arietis. ι δ } γ Trianguli. ο } Ceti. 70 } d Trianguli. 25 } Arietis. ε } D 1st L. 9h 32' 55", 0 mean time.
2 30.	55 24+ 1 30 11 32—		0 43 48 3 33 12+ 3 34 52½ 3 56 31— 4 2 30+ 5 33+ 20 12½ 4 22 8— 12 43 : 43 13 12 32+ 14 4 44	Windy	34 17+ 57 : 58 23 10 13 : 33 5 48+	Pole star. η } Pleiadum. h } D 1st L. 10h 34' 4", 7 mean time. μ } φ } Tauri. ρ } Aldebaran. Pole star below. Spica Virginis. Arcturus.
6 DEC. 1.	16 37— 27 38+ 38 3— 2 5—		17 17 42+ 17 20 4+ 18 28 55 19 39 3+ 20 33 22 0 33 51 0 39 33 0 43 47½ 4 20 13— 4 22 8 5 3 12— 5 5 41+	Windy	21 10— 30 12— 40 4— 34 46 23 10 6 48	ο 1st L. ο 2d L. α Lyræ. α Aquilæ. α Cygni. 5m } 7° 39' 5m } 5 6 Pole star. ρ Tauri. Aldebaran. D 1st L. } Cent. 11h 37' 53", 0 mean time. D 2d L. }

Eclipse of the Moon.

At 9 32 52 or 16 14 59 app. t. the D's Equatorial Diameter	Rev. P ^{ts} .
45 51 23 57 — the same again	71 14 15 f. Glafs.
51 52 29 55 — D ^o .	34 8 7 f. Glafs.
	34 6½ D ^o .

N.B. The Wires within, or the outer Edges of the Wires used.

10 1 22 or 16 39 24 — the Eclipse began near the Spot Grimaldus.	
4 40 — the Chord between the Horns	12 13
6 47 — D ^o .	16 13
8 18 — D ^o .	18 11½
9 27 — D ^o .	20 35
12 53 — Edge of the Shadow in the middle of Ariftarchus.	
13 58 — Chord between the Horns	25 7½
18 15 — Shadow touches Copernicus and in the middle of Reinholdus.	
19 46 — Shadow at the middle of Copernicus,	
22 26 — touches Tycho.	
23 13 — at the middle of Tycho.	
24 11 — The illuminated Part	19 34
28 4 — The illuminated Part	17 25
33 37 — the Shadow at the middle of Plato.	
36 23 — touches Dionyfius.	
37 19 — touches Manifius.	

In DECEMBER MDCC L.													
DAY of the MONTH.		1st Wire. / " /		2d Wire. / " /		Meridian Wire. H / " /		4th Wire. / " /		5th Wire. / " /		Names or Characters of the Sun, Planets, and Stars.	
h	1.	10 39 11 43 22 44 39 49 09 52 13 10 59 0 12 37 18 39 8 40 49 46 38 47 38 49 46 12 54 12 13 0 34	or	17 17 6½ 21 17 22 34 27 3 30 6 17 36 52 19 16 42 18 22 24 10 25 10 27 18 31 43 19 38 44	the illuminated Part the Shadow touches Tarantius. the illuminated Part the fame the fame the Immerfion. the Emerfion. Shadow bifects Grimaldus. the illuminated Part Shadow leaves Ariftarchus. the illuminated Part the fame the fame		11 17 8 2 5 26½ 3 35 3 35 5 26½ 8 2 11 17						
		3 41	4 13	14 4 45—	5 17	5 48½	Arcturus.						
o	2.	21 2+ 23 25 27 39½	21 35 23 57½ 28 17½	17 22 7½ 17 24 30— 18 28 56—	22 40 25 3— 29 34½	23 13— 25 35 30 12½	☉ 1ft L. ☉ 2d L. α Lyrae.						
d	3.			o 43 48½ 50 30½ 53 26½ 53 28 o 56 20½ 12 57 32+ 13 0 41 4 52½ 13 12 34— 14 4 45½			Pole ftar. s } 77 } Pifcium. β Andromedæ. γ Virginis. 43 Comæ Berenices. c Virginis. Spica Virginis. Arcturus.						
δ	4.			14 4 46		5 50	Arcturus.						
h	5.	27 40½ 3 43—	34 53 28 19	17 35 25½ 17 37 48 18 28 57 14 4 46+	38 21 29 36—	38 53+ 30 14— 5 50½	☉ 1ft L. ☉ 2d L. α Lyrae. Arcturus.						
h	6.		12 5—	12 43 44 13 12 35			Pole ftar. below. Spica Virginis.						
h	7.		34 35—	22 31 50½ 36 52 22 38 29½ 23 25 53½ 27 49 29 50½ 23 37 21 41 5½ 45 47 49 12 51 8 54 10½ 23 56 36+ o 0 37½ o 5 : 7 7 50½ 9 circ. 12 21 16 48 33 52½ 39 34 41 9 43 46 48 circ. o 56 5½ 1 3 : 19 23 21½ 26 29½ 29 0 35 13½ 37 3— 1 41 26½		2 49½ 22 38	η Pegafi. 2 τ Aquarii. μ } Pegafi. s } 6m } γ Cephei. 4° 5' τ } 6 } Caffiopeiæ. γ Urfe majoris below. 8 13 6— 4 47 6— 8 26 10 Caffiopeiæ. 6 11 41 6+ below 10 58 6+ below 7 9 6— below 8 28 5, 6 below 11 27 6 below 2 10 6— below 11 21 0 55						
Touched the nozzle with the Chair.													
				33 52½ 39 34 41 9 43 46 48 circ. o 56 5½ 1 3 : 19 23 21½ 26 29½ 29 0 35 13½ 37 3— 1 41 26½			6 5, 6 7 39 6 5 6 6 4 13 Pole ftar. 6 below double 5 15 6— 11 26 6— 12 36 u Perfei. τ Andromedæ. v Pifcium. 4 Arietis. Jupiter's Center. 7h 47' 25", 2 mean time. β Arietis.						
	25 12+					38 3+							

D

1798GAO.....1A....1.

In D E C E M B E R M D C C L.						
D A Y of the MONTH.	1st Wire. ' "	2d Wire. ' "	Meridian Wire. H ' "	4th Wire. ' "	5th Wire. ' "	NAMES or Characters of the Sun, Planets, and Stars.
16.			18 29 2- 19 39 10+ 22 31 54½ 23 35 33½ 45 49½ 23 54 14½ 0 1 0x 0 7 18- 4 6 6 47½ 29 34½	29 40+	40 10½	α Lyrae. α Aquilæ. η Pegasi. τ Cassiopeiæ. 6- 8° 13' 10 Cassiopeiæ. γ Pegasi. δ Andromedæ. ι Ceti. Pole star.
19.	46 8½	55 43	23 29 55½ 35 36+ 37 42 41 13 47 8½ 51 10½ 23 56 38½ 0 0 46 3 35 5 37 7 59½ 9 47 12 27 17:: 5 39 38 41: 13 43 44½ 48 13 48 22 52 59+ 53 0 0 56 11+ 1 1 21½ 1 23 4 35 6 27+ 10 22½ 14 26½ 14 27½ 18 30- 23 28 26 36 28 49½ 33 7- 37 24½ 40 32- 47 50½ 49 48x 53 49- 1 55 26 2 0 27 4 56½ 2 7 24 11 29 56 35 37- 41 13+ 47 48½ 51 10 53 8 56 39½ 11 0: 47 12 3 35- 8 0 9:: 54 12 25½ 17:: 12 22 42½ 29 40+ 33 58 39 39- 43 47	Flutt.	58 31 Flutt.	γ Cephei. τ Cassiopeiæ. 79 Pegasi. γ Ursæ majoris below. ω Piscium. 6- 8° 26' β Cassiopeiæ. 6+ below 10 58 δ Ursæ majoris below. 6- below 8 28 5, 6 below 13 27 6 below 2 10 6 11 21 6- below 0 55 5, 4 5 6 6 4 13 Pole star. Contiguar. } præced. 6- } seq. 6 5 15 ι ♄ Piscium double. 6- 11 26 ζ Piscium double. 39 Ceti. υ Piscium. δ Cassiopeiæ. ξ Ursæ majoris below double. χ Cassiopeiæ. υ Persei et Andromedæ. τ Andromedæ. φ Persei et Andromedæ. τ Ceti. ε Cassiopeiæ. γ Arietis double. 112 Piscium. α Piscium. α Arietis. β Trianguli. ξ Ceti. ι δ Arietis. ο Ceti nov. γ Cephei below. τ Cassiopeiæ below. γ Ursæ majoris. b Virginis. 6, 7 below 8 26 ο Virginis. β Cassiopeiæ below. ε Corvi. 6+ 10 58 δ Ursæ majoris. 6+ 13 27 6 2 10 6 below 11 21 6- 0 55 6 below 8 54 γ Virginis double. 6 below 7 39 5 below 5 6 Pole star below.

1798RGAO.....1A....1.

In DECEMBER MDCCCL.										
D A Y of the MONTH.	1st Wire. / " "	2d Wire. / " "	Meridian Wire. H / " "	4th Wire. / " "	5th Wire. / " "	Names or Characters of the Sun, Planets, and Stars.				
8 19.	4 59 8 27 11 42½ 16 37½ 34 32 42 23-	9 24½ 12 13 17 33½ 22 44- 28 41-	12 48 { 14 12 48 { 22 13 6 3½ 10 23 12 43½ 14 27- 18 31- 23 28½ 13 13 31 10 35 43 37 25- 13 43 26 13 49 36 52 44 x 56 23 13 58 14½ 14 0 15½ 2 43½ 4 55- 7 20½	13 24	40 44	1 } Contiguarum 6- 5° 15' 2 } γ Hydæ contin. δ Cassiopeiæ below. Spica Virginis. ξ Ursæ majoris. κ Cassiopeiæ below. ν Andromadæ below. m Virginis. o Virginis. g Centauri. ε Cassiopeiæ below. h Centauri. η Bootis. i Draconis. τ Virginis. θ Centauri. 96 Virginis. α Draconis. κ Virginis. 14 Bootis. Arcturus. 1 ν Virginis. b Ursæ minoris.				
24 20.			21 0: 43 0 33 57½ 39 38 41 : 13 43 46 48 { 13 48 { 22½	very faint	hazy	1 1st L. 2 ^b 20' 36", 9 mean time. 6 ^m 7° 39' 4, 5 5 6 6- 14 13 Pole star. 1 } 2 } Contiguarum below 5 15				
9 21.	27 51½	28 29½	18 29 8-	29 46+	31 24+	α Lyre.				
h 22.	49 58 52 20	50 30½ 52½	18 51 3 18 53 25	36- 58-	52 8 54 30	⊙ 1st L. ⊙ 2d L.				
24 27.	Cl. 23 45+	28 34½ 58 24+	3 29: 7 3 Cl. 4 4 59: 7 15 24 53 15 32 45+ 18 29 13+	Cl. 30 54 46 33+ 59 50	Cl. Cl. 26 1- 33 46- 30 30	1 1st L. 8 ^b 20' 18", 6 mean time. 1's Cent. ξ Aurigæ. Capella. α Coronæ Borealis. α Serpentis. α Lyre.				
9 28.	39 38- 43 48- 52 53- 31 12		0 43 48 1 40 40+ 41 42- 44 52+ 47 59- 49 56½ 1 53 57+ 4 33 19			Pole star. γ } β } Arietis. λ } 112 } Piscium. α } α Arietis. 1 1st L. 9 ^b 20' 22", 7 mean time.				
h 29.			0 43 47 48 25 0 48 35			Pole star. 1 } 2 } Contig. below 5° .15'				
At 2 ^h 23' 55" Jupiter's 2d Satellite Emerged in the 15 f. Tube = 6 ^h 59' 35" Apparent time.										
	32 13- 36 59 41 29½ 46 23+	37 33- 59½	4 53 51+ 4 59 9- 5 28 59½ 33 14½ 38 6- 42 29½ 47 : 28- 49 47+ 54 9 x 5 58 1½ 6 0 39- 1 51½ 3 30½ 8 41½	59 52- 40- 43 0-	0 35- 39 13- 43 30	105 Tauri. Capella. ξ Orionis. 129 Tauri. 1 1st L. 10 ^b 21' 2", 1 mean time. α Orionis. 141 Tauri. Propus. ν Orionis. 6 } Geminorum. η } 2 f Orionis. 5 Monocerotis. μ Geminorum.				
⊙ 30.	Cl.	28 3	19 28 35	29 : 8-	29 40	⊙ 2d L.				

In D E C E M B E R M D C C L.						
D A Y of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
D 31.	40 46+	41 : 25-	3 39 22- 42 3- 3 47 44 4 8 18- 11 23+ 4 22 29 7 27 4+ 41 47 7 44 7+			$\begin{matrix} \ell \\ \epsilon \\ \lambda \\ \chi \\ \iota \end{matrix} \left. \begin{matrix} \\ \\ \\ \\ \end{matrix} \right\} \begin{matrix} Persei. \\ \\ \\ Tauri. \end{matrix}$ Aldebaran. Procyon. $\begin{matrix} \text{D 1ft L.} \\ \text{D 2d L.} \end{matrix} \left. \begin{matrix} \\ \end{matrix} \right\} \text{Cent. } 12^h 17' 39'', 2 \text{ mean time.}$
At 18 ^h 35' I put the Clock back one minute.						
In J A N U A R Y M D C C L I.						
D A Y of the MONTH.	1st Wire. / "	2d Wire. / "	Meridian Wire. H / "	4th Wire. / "	5th Wire. / "	Names or Characters of the Sun, Planets, and Stars.
d 1.	35 13	35 45	19 36 17+ 22 52 10½ 0 38 46½ 40 : 21 42 49 47 28 0 47 37 4 21 30- 4 27 10+ 4 36 52+ 18 28 18	34 29 49½	35 1½ 37 22	$\begin{matrix} \odot \text{ 1ft L.} \\ \odot \text{ 2d L.} \\ \alpha \text{ Pegasi.} \\ 5^m \\ 6 \\ \text{Pole star.} \\ 1 \\ 2 \end{matrix} \left. \begin{matrix} \\ \\ \\ \\ \end{matrix} \right\} \begin{matrix} \\ \\ \text{Contiguar. below} \\ \end{matrix}$ 5° 6' 4 13 5 15 Aldebaran. τ Tauri. $\iota \pi$ Orionis. α Lyrae.
g 22.	39 33-	40 5	19 38 17- 19 40 37 4 39 2 4 41 46½	41 49 10-	39 21 41½	$\begin{matrix} \odot \text{ 1ft L.} \\ \odot \text{ 2d L.} \\ g \text{ Draconis below.} \\ 52 \text{ Herculis below.} \end{matrix}$
h 5.	27 5+	27 43½	15 38 18- 15 44 50 18 28 21½ 19 38 : 30-	29 0+ Cl.	29 38-	$\begin{matrix} e^* \\ \gamma \end{matrix} \left. \begin{matrix} \\ \end{matrix} \right\} \begin{matrix} Serpentis. \\ \alpha \text{ Lyrae.} \\ \alpha \text{ Aquila.} \end{matrix}$ * ϵ
o 6.	54 27	57 19-	19 55 31+ 10 57 50½ 20 Cl. 0 33 12 38 50½ 40 24 42 51 47 34 47 43 49 56- 52 16 0 52 17 4 52 40- 55 32- 4 58 16- 5 2 29+ 12 42 41+ 13 12 : 0 14 2 53 14 4 12 16 14 4½ 18 28 22½ 19 38 30½	58 23 33 30	58 55-	$\begin{matrix} \odot \text{ 1ft L.} \\ \odot \text{ 2d L.} \\ \alpha \text{ Cygni.} \\ 6^m \\ 5 \\ 6- \\ \text{Pole star.} \\ 1 \\ 2 \end{matrix} \left. \begin{matrix} \\ \\ \\ \\ \end{matrix} \right\} \begin{matrix} \\ \\ \text{Contig. below} \\ \end{matrix}$ 7° 39' 5 6 4 13 5 15 ϵ Piscium. $\iota \downarrow$ Piscium. m Tauri. h Eridani. Capella. Rigel. $\begin{matrix} \text{D 2d L. } 16^h 53' 53'', 2 \text{ mean time.} \\ \text{Spica} \end{matrix} \left. \begin{matrix} \\ \end{matrix} \right\} \text{Virginis.}$ Arcturus. Antares. α Lyrae. α Aquilae.
D 7.	58 44- 4-	59 16 36- 32 7	19 59 48- 20 2 8- 20 32 49	0 21- 2 40 33 31+	0 : 52½ 3 2 34 13	$\begin{matrix} \odot \text{ 1ft L.} \\ \odot \text{ 2d L.} \\ \alpha \text{ Cygni.} \end{matrix}$