

RISING AND SETTING OF PLANETS AND STARS.

It should be observed that these are not materially affected by the Longitude of a place.—When the hour is less than 6, it is in the morning; when greater than 6, it is in the evening.

Date.	Name.	St John.	Fred'n.	Date.	Name.	St John.	Fred'n.
1854.		H. M.	H. M.	1854.		H. M.	H. M.
Jan. 1	Venus sets	8 24	8 22	May 10	Mars sets	1 54	1 51
" 6	" "	8 27	8 24	" 20	Jupiter rises	11 23	11 20
" 11	" "	8 28	8 25	June 1	Venus rises	2 29	2 26
" 16	" "	8 29	8 26	" 10	Mars sets	16	13
" 21	Mars rises	8 40	8 37	" 20	Jupiter rises	9 15	9 12
" 26	" "	8 19	8 16	July 13	Mercury sets	8 28	8 25
Feb. 7	Venus sets	8 12	8 9	" 20	Mars sets	10 29	10 16
" 11	" "	7 38	7 35	Aug. 8	Merc'y rises	4 7	4 4
" 21	" "	6 43	6 40	" 20	Saturn rises	11 31	11 28
" 24	Saturn sets	24	21	Sept. 1	Mars sets	8 29	8 27
" 28	Jupiter rises	4 16	4 13	" 20	Venus rises	9 56	9 53
Mar. 6	Saturn sets	11 25	11 22	Oct. 1	Saturn rises	8 52	8 49
" 14	Mercury sets	7 16	7 13	" 20	Jupiter sets	9 58	9 55
" 27	Jupiter rises	2 46	2 43	Nov. 11	Mercury sets	ev 8 14	ev 5 11
April 8	Merc'y rises	4 44	4 41	" 27	" rises	5 39	5 36
" 17	Saturn sets	9 20	9 17	Dec. 7	Jupiter sets	7 46	7 43
" 28	Jupiter rises	51	48	" 20	Mars sets	0 13	6 10

TABLE OF THE SOLAR SYSTEM.

NAMES.	Mean diameter in English Miles.	Mean distance from the Sun in miles.	Mean distance from the sun, the distance of the earth being unit.	Period of revolution round the sun in days.	When discovered.	By whom discover'd
The Sun.....	883,246	.....	.....	.....	.....	.....
Mercury.....	3,224	37,000,000	0.387098	37	.....	.....
Venus.....	7,687	68,000,000	0.723331	224	.....	.....
The Earth...	7,912	95,000,000	1.000000	365	.....	.....
Mars.....	4,189	142,000,000	1.523692	686	.....	.....
Flora.....	.....	209,160,265	2.201687	1,193	Oct. 18, 1847	Hind.....
Clio.....	.....	221,813,220	2.334876	1,303	Sep. 13, 1850	".....
Vesta.....	.....	224,302,695	2.361081	1,325	Mar. 29, 1807	Olbers...
Iris.....	.....	226,159,230	2.380624	1,341	Aug. 13, 1847	Hind.....
Metis.....	.....	226,632,665	2.385607	1,345	Apr. 25, 1848	Graham..
New Planet.	.....	227,946,800	2.399440	1,357	July 29, 1851	Gasparis.
Hebe.....	.....	230,449,670	2.425786	1,379	July 1, 1847	Hencke..
Parthenope..	.....	232,829,135	2.450833	1,401	May 13, 1850	Gasparis.
Irene.....	.....	242,468,785	2.552303	1,518	May 20, 1850	Hind.....
Egeria.....	.....	243,206,650	2.560070	1,492	Nov. 2, 1850	Gasparis.
Astræa.....	.....	244,818,565	2.577047	1,511	Dec. 8, 1845	Hencke..
Juno.....	.....	253,728,615	2.670837	1,594	Sept. 1, 1804	Harding..
Ceres.....	.....	262,964,845	2.768051	1,682	Jan. 1, 1801	Piazzi...
Pallas.....	.....	263,421,510	2.772458	1,686	Mar. 28, 1802	Olbers...
Hygeia.....	.....	299,255,700	3.150060	2,042	Apr. 12, 1849	Gasparis.
Jupiter.....	89.170	485,000,000	5.202776	4,332	.....	.....
Saturn.....	79.042	890,000,000	9.538786	10,759	.....	.....
Uranus.....	35.112	1,800,000,000	19.182390	30.686	Mar. 13, 1781	Herschel.
Neptune.....	35.000	3,600,000,000	30.036800	60.128	Sept 23, 1846	Galle.....

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