

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.
1853.		H. M.	H. M.	1853.		H. M.	H. M.
Jan. 14	Regulus rises	7 29	7 27	July 13	Venus sets	8 42	8 45
" 27	Jupiter rises	4 11	4 14	" 28	" "	8 29	8 31
Feb. 8	" "	3 34	3 37	Aug. 9	" "	8 14	8 16
" 17	" "	3 5	3 8	" 19	7 Stars rise	10 0	9 57
" 28	" "	2 27	2 30	" 20	Venus sets	7 58	7 58
Mar. 8	Saturn sets	10 41	10 43	Sept. 17	7 Stars rise	9 9	9 6
" 11	Jupiter rises	1 50	1 53	" 16	" "	8 10	8 7
" 21	Saturn sets	9 56	9 58	" 22	" "	7 23	7 20
April 8	Antares rises	11 10	11 13	Oct. 1	Jupiter sets	8 50	8 47
" 18	" "	10 29	10 32	" 15	" "	8 2	7 59
" 29	" "	9 46	9 50	" 26	" "	7 27	7 24
May 4	Jupiter rises	10 19	10 22	Nov. 12	Venus sets	6 55	6 52
" 9	" "	9 58	10 1	" 21	" "	7 9	7 6
" 14	" "	9 36	9 39	" 28	" "	7 22	7 19
June 14	Regulus sets	11 20	11 22	Dec. 7	Mars rises	10 56	10 55
" 30	" "	10 17	10 19	" 13	" "	10 42	10 41
July 8	Venus sets	8 42	8 45	" 20	" "	10 27	10 25

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	87	.....	.....
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.....	.....	226,159,280	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	2.772858	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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