

SUN RISE and SET
2005
for Perth, Western Australia



PERTH OBSERVATORY

	date	RISE	az	SET	az
Jan	1	05 14	118	19 26	242
Jan	2	05 15	118	19 26	242
Jan	3	05 16	118	19 26	242
Jan	4	05 16	118	19 27	242
Jan	5	05 17	118	19 27	243
Jan	6	05 18	117	19 27	243
Jan	7	05 19	117	19 27	243
Jan	8	05 20	117	19 27	243
Jan	9	05 20	117	19 27	243
Jan	10	05 21	117	19 27	243
Jan	11	05 22	117	19 27	244
Jan	12	05 23	116	19 27	244
Jan	13	05 24	116	19 26	244
Jan	14	05 25	116	19 26	244
Jan	15	05 26	116	19 26	244
Jan	16	05 27	116	19 26	245
Jan	17	05 27	115	19 26	245
Jan	18	05 28	115	19 25	245
Jan	19	05 29	115	19 25	245
Jan	20	05 30	115	19 25	246
Jan	21	05 31	114	19 24	246
Jan	22	05 32	114	19 24	246
Jan	23	05 33	114	19 23	246
Jan	24	05 34	113	19 23	247
Jan	25	05 35	113	19 22	247
Jan	26	05 36	113	19 22	247
Jan	27	05 37	113	19 21	248
Jan	28	05 38	112	19 21	248
Jan	29	05 39	112	19 20	248
Jan	30	05 40	112	19 20	249
Jan	31	05 41	111	19 19	249
Feb	1	05 42	111	19 18	249
Feb	2	05 42	111	19 18	250
Feb	3	05 43	110	19 17	250
Feb	4	05 44	110	19 16	250
Feb	5	05 45	109	19 15	251
Feb	6	05 46	109	19 15	251
Feb	7	05 47	109	19 14	251
Feb	8	05 48	108	19 13	252
Feb	9	05 49	108	19 12	252
Feb	10	05 50	108	19 11	253
Feb	11	05 51	107	19 10	253
Feb	12	05 52	107	19 10	253
Feb	13	05 52	106	19 09	254
Feb	14	05 53	106	19 08	254
Feb	15	05 54	106	19 07	255
Feb	16	05 55	105	19 06	255

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Feb	17	0556	105	1905	255
Feb	18	0557	104	1904	256
Feb	19	0558	104	1903	256
Feb	20	0559	104	1902	257
Feb	21	0559	103	1901	257
Feb	22	0600	103	1900	258
Feb	23	0601	102	1858	258
Feb	24	0602	102	1857	258
Feb	25	0603	101	1856	259
Feb	26	0603	101	1855	259
Feb	27	0604	100	1854	260
Feb	28	0605	100	1853	260
Mar	1	0606	100	1852	261
Mar	2	0607	99	1850	261
Mar	3	0607	99	1849	262
Mar	4	0608	98	1848	262
Mar	5	0609	98	1847	262
Mar	6	0610	97	1846	263
Mar	7	0610	97	1844	263
Mar	8	0611	96	1843	264
Mar	9	0612	96	1842	264
Mar	10	0613	95	1841	265
Mar	11	0613	95	1839	265
Mar	12	0614	95	1838	266
Mar	13	0615	94	1837	266
Mar	14	0615	94	1836	267
Mar	15	0616	93	1834	267
Mar	16	0617	93	1833	268
Mar	17	0618	92	1832	268
Mar	18	0618	92	1831	269
Mar	19	0619	91	1829	269
Mar	20	0620	91	1828	269
Mar	21	0620	90	1827	270
Mar	22	0621	90	1826	270
Mar	23	0622	89	1824	271
Mar	24	0622	89	1823	271
Mar	25	0623	88	1822	272
Mar	26	0624	88	1820	272
Mar	27	0624	88	1819	273
Mar	28	0625	87	1818	273
Mar	29	0626	87	1817	274
Mar	30	0626	86	1815	274
Mar	31	0627	86	1814	275
Apr	1	0628	85	1813	275
Apr	2	0629	85	1811	275
Apr	3	0629	84	1810	276
Apr	4	0630	84	1809	276
Apr	5	0631	83	1808	277

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Apr	6	0631	83	1806	277
Apr	7	0632	83	1805	278
Apr	8	0633	82	1804	278
Apr	9	0633	82	1803	279
Apr	10	0634	81	1802	279
Apr	11	0635	81	1800	279
Apr	12	0635	80	1759	280
Apr	13	0636	80	1758	280
Apr	14	0637	79	1757	281
Apr	15	0637	79	1756	281
Apr	16	0638	79	1755	282
Apr	17	0639	78	1753	282
Apr	18	0639	78	1752	282
Apr	19	0640	77	1751	283
Apr	20	0641	77	1750	283
Apr	21	0641	77	1749	284
Apr	22	0642	76	1748	284
Apr	23	0643	76	1747	284
Apr	24	0643	75	1746	285
Apr	25	0644	75	1745	285
Apr	26	0645	75	1744	286
Apr	27	0645	74	1743	286
Apr	28	0646	74	1742	286
Apr	29	0647	73	1741	287
Apr	30	0647	73	1740	287
May	1	0648	73	1739	287
May	2	0649	72	1738	288
May	3	0650	72	1737	288
May	4	0650	72	1736	288
May	5	0651	71	1735	289
May	6	0652	71	1734	289
May	7	0652	71	1734	289
May	8	0653	70	1733	290
May	9	0654	70	1732	290
May	10	0654	70	1731	290
May	11	0655	69	1730	291
May	12	0656	69	1730	291
May	13	0656	69	1729	291
May	14	0657	68	1728	292
May	15	0658	68	1728	292
May	16	0658	68	1727	292
May	17	0659	68	1726	292
May	18	0700	67	1726	293
May	19	0700	67	1725	293
May	20	0701	67	1725	293
May	21	0702	67	1724	294
May	22	0702	66	1724	294
May	23	0703	66	1723	294

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

May	24	0704	66	1723	294
May	25	0704	66	1722	294
May	26	0705	65	1722	295
May	27	0706	65	1722	295
May	28	0706	65	1721	295
May	29	0707	65	1721	295
May	30	0707	65	1721	295
May	31	0708	65	1720	296
Jun	1	0708	64	1720	296
Jun	2	0709	64	1720	296
Jun	3	0710	64	1720	296
Jun	4	0710	64	1719	296
Jun	5	0711	64	1719	296
Jun	6	0711	64	1719	296
Jun	7	0712	63	1719	297
Jun	8	0712	63	1719	297
Jun	9	0713	63	1719	297
Jun	10	0713	63	1719	297
Jun	11	0713	63	1719	297
Jun	12	0714	63	1719	297
Jun	13	0714	63	1719	297
Jun	14	0715	63	1719	297
Jun	15	0715	63	1719	297
Jun	16	0715	63	1719	297
Jun	17	0716	63	1719	297
Jun	18	0716	63	1719	297
Jun	19	0716	63	1720	297
Jun	20	0716	63	1720	297
Jun	21	0717	63	1720	297
Jun	22	0717	63	1720	297
Jun	23	0717	63	1720	297
Jun	24	0717	63	1721	297
Jun	25	0717	63	1721	297
Jun	26	0717	63	1721	297
Jun	27	0718	63	1722	297
Jun	28	0718	63	1722	297
Jun	29	0718	63	1722	297
Jun	30	0718	63	1723	297
Jul	1	0718	63	1723	297
Jul	2	0718	63	1724	297
Jul	3	0718	63	1724	297
Jul	4	0718	63	1724	297
Jul	5	0718	63	1725	297
Jul	6	0717	64	1725	296
Jul	7	0717	64	1726	296
Jul	8	0717	64	1726	296
Jul	9	0717	64	1727	296
Jul	10	0717	64	1727	296

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Jul	11	07 16	64	17 28	296
Jul	12	07 16	64	17 28	296
Jul	13	07 16	65	17 29	295
Jul	14	07 16	65	17 29	295
Jul	15	07 15	65	17 30	295
Jul	16	07 15	65	17 31	295
Jul	17	07 14	65	17 31	295
Jul	18	07 14	66	17 32	294
Jul	19	07 14	66	17 32	294
Jul	20	07 13	66	17 33	294
Jul	21	07 13	66	17 34	294
Jul	22	07 12	66	17 34	293
Jul	23	07 12	67	17 35	293
Jul	24	07 11	67	17 35	293
Jul	25	07 10	67	17 36	293
Jul	26	07 10	67	17 37	292
Jul	27	07 09	68	17 37	292
Jul	28	07 09	68	17 38	292
Jul	29	07 08	68	17 39	292
Jul	30	07 07	69	17 39	291
Jul	31	07 06	69	17 40	291
Aug	1	07 06	69	17 40	291
Aug	2	07 05	69	17 41	290
Aug	3	07 04	70	17 42	290
Aug	4	07 03	70	17 42	290
Aug	5	07 02	70	17 43	289
Aug	6	07 02	71	17 44	289
Aug	7	07 01	71	17 44	289
Aug	8	07 00	71	17 45	288
Aug	9	06 59	72	17 46	288
Aug	10	06 58	72	17 46	288
Aug	11	06 57	72	17 47	287
Aug	12	06 56	73	17 48	287
Aug	13	06 55	73	17 48	287
Aug	14	06 54	73	17 49	286
Aug	15	06 53	74	17 49	286
Aug	16	06 52	74	17 50	286
Aug	17	06 51	75	17 51	285
Aug	18	06 50	75	17 51	285
Aug	19	06 49	75	17 52	284
Aug	20	06 48	76	17 53	284
Aug	21	06 47	76	17 53	284
Aug	22	06 46	77	17 54	283
Aug	23	06 44	77	17 54	283
Aug	24	06 43	77	17 55	282
Aug	25	06 42	78	17 56	282
Aug	26	06 41	78	17 56	282
Aug	27	06 40	79	17 57	281

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Aug	28	0639	79	1758	281
Aug	29	0637	79	1758	280
Aug	30	0636	80	1759	280
Aug	31	0635	80	1759	280
Sep	1	0634	81	1800	279
Sep	2	0633	81	1801	279
Sep	3	0631	82	1801	278
Sep	4	0630	82	1802	278
Sep	5	0629	82	1802	277
Sep	6	0627	83	1803	277
Sep	7	0626	83	1804	277
Sep	8	0625	84	1804	276
Sep	9	0624	84	1805	276
Sep	10	0622	85	1805	275
Sep	11	0621	85	1806	275
Sep	12	0620	86	1807	274
Sep	13	0618	86	1807	274
Sep	14	0617	86	1808	273
Sep	15	0616	87	1808	273
Sep	16	0614	87	1809	272
Sep	17	0613	88	1810	272
Sep	18	0612	88	1810	272
Sep	19	0610	89	1811	271
Sep	20	0609	89	1811	271
Sep	21	0608	90	1812	270
Sep	22	0607	90	1813	270
Sep	23	0605	91	1813	269
Sep	24	0604	91	1814	269
Sep	25	0603	91	1815	268
Sep	26	0601	92	1815	268
Sep	27	0600	92	1816	267
Sep	28	0559	93	1816	267
Sep	29	0557	93	1817	267
Sep	30	0556	94	1818	266
Oct	1	0555	94	1818	266
Oct	2	0553	95	1819	265
Oct	3	0552	95	1820	265
Oct	4	0551	96	1820	264
Oct	5	0550	96	1821	264
Oct	6	0548	96	1822	263
Oct	7	0547	97	1822	263
Oct	8	0546	97	1823	262
Oct	9	0545	98	1824	262
Oct	10	0543	98	1825	261
Oct	11	0542	99	1825	261
Oct	12	0541	99	1826	261
Oct	13	0540	100	1827	260
Oct	14	0538	100	1827	260

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Oct	15	0537	100	1828	259
Oct	16	0536	101	1829	259
Oct	17	0535	101	1830	258
Oct	18	0534	102	1830	258
Oct	19	0533	102	1831	258
Oct	20	0532	103	1832	257
Oct	21	0530	103	1833	257
Oct	22	0529	103	1833	256
Oct	23	0528	104	1834	256
Oct	24	0527	104	1835	255
Oct	25	0526	105	1836	255
Oct	26	0525	105	1837	255
Oct	27	0524	106	1837	254
Oct	28	0523	106	1838	254
Oct	29	0522	106	1839	253
Oct	30	0521	107	1840	253
Oct	31	0520	107	1841	253
Nov	1	0519	108	1842	252
Nov	2	0518	108	1842	252
Nov	3	0518	108	1843	251
Nov	4	0517	109	1844	251
Nov	5	0516	109	1845	251
Nov	6	0515	109	1846	250
Nov	7	0514	110	1847	250
Nov	8	0514	110	1848	250
Nov	9	0513	110	1848	249
Nov	10	0512	111	1849	249
Nov	11	0511	111	1850	249
Nov	12	0511	111	1851	248
Nov	13	0510	112	1852	248
Nov	14	0510	112	1853	248
Nov	15	0509	112	1854	247
Nov	16	0508	113	1855	247
Nov	17	0508	113	1856	247
Nov	18	0507	113	1857	247
Nov	19	0507	114	1857	246
Nov	20	0506	114	1858	246
Nov	21	0506	114	1859	246
Nov	22	0506	114	1900	245
Nov	23	0505	115	1901	245
Nov	24	0505	115	1902	245
Nov	25	0505	115	1903	245
Nov	26	0504	115	1904	244
Nov	27	0504	116	1905	244
Nov	28	0504	116	1905	244
Nov	29	0504	116	1906	244
Nov	30	0504	116	1907	244
Dec	1	0503	116	1908	243

**SUN RISE and SET
2005
for Perth, Western Australia**



PERTH OBSERVATORY

Dec	2	0503	117	1909	243
Dec	3	0503	117	1910	243
Dec	4	0503	117	1910	243
Dec	5	0503	117	1911	243
Dec	6	0503	117	1912	243
Dec	7	0503	117	1913	242
Dec	8	0503	118	1914	242
Dec	9	0504	118	1914	242
Dec	10	0504	118	1915	242
Dec	11	0504	118	1916	242
Dec	12	0504	118	1917	242
Dec	13	0504	118	1917	242
Dec	14	0505	118	1918	242
Dec	15	0505	118	1919	242
Dec	16	0505	118	1919	242
Dec	17	0506	118	1920	242
Dec	18	0506	118	1920	242
Dec	19	0506	119	1921	241
Dec	20	0507	119	1921	241
Dec	21	0507	119	1922	241
Dec	22	0508	119	1922	241
Dec	23	0508	119	1923	241
Dec	24	0509	119	1923	241
Dec	25	0509	119	1924	242
Dec	26	0510	118	1924	242
Dec	27	0511	118	1925	242
Dec	28	0511	118	1925	242
Dec	29	0512	118	1925	242
Dec	30	0512	118	1925	242
Dec	31	0513	118	1926	242