

1997 - January

Calendar for SAAO - Sutherland

1997 - January

Longitude: E 020 49
Latitude : S 32 23

Height: 200m
Time Zone: +02h 00m

Zone Time = UT + 02h 00m

Date	J.D. at Oh UT 245	LMST at Oh UT h m s	Moon		Moon Transit Dec. Phase o ' "	Morning			Sun		Evening			
			Rise	Set		Astr. Twil.	Naut. Twil.	Civil Twil.	Rise	Set	Civil Twil.	Naut. Twil.	Astr. Twil.	
			h m	h m		h m	h m	h m	h m	h m	h m	h m	h m	h m
Wed 1	0449.5	08 06 00	12 12	+00 05	0.59	03 53	04 30	05 05	05 31	19 50	20 16	20 50	21 28
Thur 2	0450.5	08 09 57	00 18	13 06	-03 53	0.49	03 54	04 31	05 06	05 31	19 50	20 16	20 50	21 28
Fri 3	0451.5	08 13 53	00 52	14 02	-07 45	0.39	03 55	04 32	05 07	05 32	19 50	20 16	20 50	21 28
Sat 4	0452.5	08 17 50	01 30	15 00	-11 21	0.29	03 56	04 33	05 07	05 33	19 50	20 16	20 50	21 27
Sun 5	0453.5	08 21 46	02 11	16 00	-14 26	0.19	03 57	04 34	05 08	05 34	19 50	20 16	20 50	21 27
Mon 6	0454.5	08 25 43	02 57	17 02	-16 45	0.11	03 58	04 35	05 09	05 34	19 51	20 16	20 50	21 27
Tues 7	0455.5	08 29 40	03 50	18 03	-18 00	0.05	03 59	04 36	05 10	05 35	19 51	20 16	20 50	21 27
Wed 8	0456.5	08 33 36	04 48	19 02	-17 59	0.01	04 00	04 37	05 11	05 36	19 51	20 16	20 50	21 27
Thur 9	0457.5	08 37 33	05 52	19 58	-16 34	0.00	04 01	04 38	05 12	05 37	19 51	20 16	20 50	21 27
Fri 10	0458.5	08 41 29	07 00	20 49	-13 52	0.03	04 02	04 39	05 13	05 38	19 50	20 16	20 50	21 26
Sat 11	0459.5	08 45 26	08 08	21 36	-10 07	0.08	04 03	04 40	05 14	05 39	19 50	20 16	20 49	21 26
Sun 12	0460.5	08 49 22	09 16	22 19	-05 42	0.16	04 04	04 41	05 14	05 40	19 50	20 15	20 49	21 26
Mon 13	0461.5	08 53 19	10 23	23 00	-01 00	0.26	04 05	04 42	05 15	05 41	19 50	20 15	20 49	21 25
Tues 14	0462.5	08 57 15	11 27	23 40	+03 41	0.37	04 06	04 43	05 16	05 41	19 50	20 15	20 49	21 25
Wed 15	0463.5	09 01 12	12 29	+08 02	0.48	04 08	04 44	05 17	05 42	19 50	20 15	20 48	21 24
Thur 16	0464.5	09 05 09	13 30	00 19	+11 51	0.59	04 09	04 45	05 18	05 43	19 49	20 14	20 48	21 24
Fri 17	0465.5	09 09 05	14 29	00 59	+14 58	0.70	04 10	04 46	05 19	05 44	19 49	20 14	20 47	21 23
Sat 18	0466.5	09 13 02	15 26	01 41	+17 16	0.79	04 11	04 47	05 20	05 45	19 49	20 14	20 47	21 22
Sun 19	0467.5	09 16 58	16 20	02 25	+18 40	0.87	04 13	04 48	05 21	05 46	19 49	20 13	20 46	21 22
Mon 20	0468.5	09 20 55	17 12	03 11	+19 07	0.93	04 14	04 49	05 22	05 47	19 48	20 13	20 46	21 21
Tues 21	0469.5	09 24 51	18 00	04 00	+18 38	0.97	04 15	04 50	05 23	05 48	19 48	20 12	20 45	21 20
Wed 22	0470.5	09 28 48	18 45	04 51	04 16	04 51	05 24	05 49	19 47	20 12	20 45	21 20
Thur 23	0471.5	09 32 44	19 26	05 43	+17 16	0.99	04 18	04 52	05 25	05 50	19 47	20 11	20 44	21 19
Fri 24	0472.5	09 36 41	20 04	06 35	+15 09	1.00	04 19	04 54	05 26	05 51	19 46	20 11	20 44	21 18
Sat 25	0473.5	09 40 38	20 40	07 28	+12 24	0.98	04 20	04 55	05 27	05 52	19 46	20 10	20 43	21 17
Sun 26	0474.5	09 44 34	21 13	08 20	+09 08	0.95	04 21	04 56	05 28	05 53	19 45	20 10	20 42	21 17
Mon 27	0475.5	09 48 31	21 46	09 13	+05 32	0.90	04 23	04 57	05 29	05 54	19 45	20 09	20 41	21 16
Tues 28	0476.5	09 52 27	22 19	10 05	+01 42	0.83	04 24	04 58	05 30	05 55	19 44	20 08	20 41	21 15
Wed 29	0477.5	09 56 24	22 52	10 58	-02 13	0.75	04 25	04 59	05 31	05 56	19 44	20 08	20 40	21 14
Thur 30	0478.5	10 00 20	23 28	11 52	-06 04	0.66	04 26	05 00	05 32	05 57	19 43	20 07	20 39	21 13
Fri 31	0479.5	10 04 17	12 48	-09 42	0.57	04 28	05 01	05 34	05 58	19 42	20 06	20 38	21 12