

2009 - January

Calendar for SAAO - Sutherland

2009 - 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
Thur 1	4832.5	08 06 23	09 49	22 49	-06 12	0.22	03 53	04 30	05 05	05 31	19 50	20 16	20 50	21 28
Fri 2	4833.5	08 10 20	10 47	23 16	-00 18	0.31	03 54	04 31	05 06	05 31	19 50	20 16	20 50	21 28
Sat 3	4834.5	08 14 16	11 45	23 44	+05 46	0.41	03 55	04 32	05 07	05 32	19 50	20 16	20 50	21 27
Sun 4	4835.5	08 18 13	12 46	+11 46	0.52	03 56	04 33	05 07	05 33	19 50	20 16	20 50	21 27
Mon 5	4836.5	08 22 09	13 50	00 14	+17 25	0.63	03 57	04 34	05 08	05 34	19 50	20 16	20 50	21 27
Tues 6	4837.5	08 26 06	14 58	00 49	+22 19	0.74	03 58	04 35	05 09	05 35	19 51	20 16	20 50	21 27
Wed 7	4838.5	08 30 02	16 09	01 30	+25 57	0.84	03 59	04 36	05 10	05 35	19 51	20 16	20 50	21 27
Thur 8	4839.5	08 33 59	17 20	02 20	+27 49	0.92	04 00	04 37	05 11	05 36	19 51	20 16	20 50	21 27
Fri 9	4840.5	08 37 56	18 27	03 20	+27 32	0.98	04 01	04 38	05 12	05 37	19 51	20 16	20 50	21 26
Sat 10	4841.5	08 41 52	19 27	04 30	04 02	04 39	05 13	05 38	19 50	20 16	20 50	21 26
Sun 11	4842.5	08 45 49	20 16	05 45	+25 02	1.00	04 03	04 40	05 14	05 39	19 50	20 16	20 49	21 26
Mon 12	4843.5	08 49 45	20 58	07 00	+20 40	0.99	04 04	04 41	05 14	05 40	19 50	20 15	20 49	21 25
Tues 13	4844.5	08 53 42	21 34	08 12	+14 59	0.95	04 05	04 42	05 15	05 41	19 50	20 15	20 49	21 25
Wed 14	4845.5	08 57 38	22 05	09 20	+08 37	0.88	04 07	04 43	05 16	05 41	19 50	20 15	20 49	21 25
Thur 15	4846.5	09 01 35	22 35	10 24	+02 01	0.80	04 08	04 44	05 17	05 42	19 50	20 15	20 48	21 24
Fri 16	4847.5	09 05 32	23 04	11 26	-04 24	0.70	04 09	04 45	05 18	05 43	19 49	20 14	20 48	21 24
Sat 17	4848.5	09 09 28	23 34	12 27	-10 23	0.60	04 10	04 46	05 19	05 44	19 49	20 14	20 47	21 23
Sun 18	4849.5	09 13 25	13 27	-15 42	0.49	04 11	04 47	05 20	05 45	19 49	20 14	20 47	21 22
Mon 19	4850.5	09 17 21	00 06	14 26	-20 11	0.39	04 13	04 48	05 21	05 46	19 48	20 13	20 46	21 22
Tues 20	4851.5	09 21 18	00 41	15 24	-23 39	0.30	04 14	04 49	05 22	05 47	19 48	20 13	20 46	21 21
Wed 21	4852.5	09 25 14	01 22	16 20	-25 56	0.21	04 15	04 50	05 23	05 48	19 48	20 12	20 45	21 20
Thur 22	4853.5	09 29 11	02 07	17 13	-26 57	0.14	04 16	04 51	05 24	05 49	19 47	20 12	20 45	21 20
Fri 23	4854.5	09 33 07	02 57	18 01	-26 37	0.08	04 18	04 53	05 25	05 50	19 47	20 11	20 44	21 19
Sat 24	4855.5	09 37 04	03 52	18 44	-24 58	0.03	04 19	04 54	05 26	05 51	19 46	20 11	20 43	21 18
Sun 25	4856.5	09 41 01	04 49	19 22	-22 05	0.01	04 20	04 55	05 27	05 52	19 46	20 10	20 43	21 17
Mon 26	4857.5	09 44 57	05 48	19 55	-18 09	0.00	04 21	04 56	05 28	05 53	19 45	20 10	20 42	21 16
Tues 27	4858.5	09 48 54	06 46	20 25	-13 22	0.01	04 23	04 57	05 29	05 54	19 45	20 09	20 41	21 16
Wed 28	4859.5	09 52 50	07 44	20 53	-07 57	0.05	04 24	04 58	05 31	05 55	19 44	20 08	20 41	21 15
Thur 29	4860.5	09 56 47	08 42	21 20	-02 06	0.10	04 25	04 59	05 32	05 56	19 44	20 08	20 40	21 14
Fri 30	4861.5	10 00 43	09 40	21 47	+03 56	0.17	04 27	05 00	05 33	05 57	19 43	20 07	20 39	21 13
Sat 31	4862.5	10 04 40	10 39	22 17	+09 56	0.26	04 28	05 02	05 34	05 58	19 42	20 06	20 38	21 12