

TABLE TO CALCULATE SALÁH TIMES FOR OUTLYING AREAS

DIFFERENCE IN TIME BETWEEN JOHANNESBURG AND (IN MINUTES)

Avg Diff in LM.T		Argument for SUNRISE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
h	m	Argument for SUNSET	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
-00	36	Pretoria	0	0	-1	-1	-1	-2	-1	-1	-1	0	0	0
-05	40	Pietersburg	-1	-3	-5	-7	-9	-10	-10	-8	-6	-4	-2	-1
-07	16	Volkstrust	-10	-9	-7	-6	-5	-5	-5	-6	-7	-8	-9	-10
-08	16	Carolina	-8	-8	-8	-8	-9	-8	-8	-8	-8	-8	-8	-8
-05	40	Middleburg	-5	-5	-6	-6	-8	-7	-6	-6	-6	-5	-5	-5
-15	36	Komatipoort	-14	-15	-15	-16	-17	-17	-17	-16	-16	-15	-14	-14
-07	44	Ermelo	-8	-8	-8	-7	-7	-7	-7	-7	-8	-8	-8	-8
-05	40	Bethal	-6	-6	-6	-6	-5	-5	-5	-5	-6	-6	-6	-6
-04	48	Standerton	-6	-6	-5	-4	-4	-3	-3	-4	-5	-5	-6	-6
+03	48	Potchefstroom	+3	+3	+4	+4	+5	+5	+5	+4	+4	+3	+3	+3
+09	36	Mafikeng	+10	+10	+10	+9	+9	+9	+9	+10	+10	+10	+10	+10
+5	24	Zwartruggens	+6	+6	+5	+5	+5	+4	+4	+5	+5	+6	+6	+7
+00	28	Vereeniging	0	0	0	+1	+1	+1	+1	+1	+1	0	0	-1
+06	32	Groot Marico	+8	+7	+7	+6	+6	+5	+5	+6	+6	+7	+8	+8
+01	16	Heidelberg	-2	-2	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2
-07	28	Louis Trichardt	-2	-4	-7	-10	-13	-14	-13	-11	-8	-5	-2	-1
+09	44	Bloemhof	+7	+8	+9	+11	+12	+13	+12	+11	+10	+9	+7	+7
+07	52	Zeerust	+9	+9	+8	+7	+7	+6	+7	+7	+8	+8	+9	+9
-11	04	Piet Retief	-13	-12	-11	-10	-10	-9	-10	-10	-11	-12	-12	-13
-12	00	Barberton	-11	-12	-12	-12	-12	-13	-13	-12	-12	-12	-12	-11
-02	12	Balfour	-3	-3	-2	-2	-1	-1	-1	-2	-2	-3	-3	-3
-11	40	Nelspruit	-10	-11	-12	-12	-12	-13	-13	-13	-12	-11	-10	-10
-07	16	Amersfoort	-9	-8	-7	-7	-6	-5	-6	-6	-7	-8	-9	-9
+04	36	Koster	+5	+5	+5	+4	+4	+4	+4	+5	+5	+5	+5	+5
-09	36	Lydenburg	-8	-8	-9	-10	-11	-12	-12	-11	-10	-10	-8	-7
+01	08	Krugersdorp	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
-08	28	Tzaneen	-4	-6	-8	-10	-12	-13	-13	-11	-9	-7	-5	-4
-07	56	Belfast	-7	-7	-7	-8	-9	-9	-9	-9	-8	-8	-7	-7
-03	32	Leslie	-4	-4	-4	-3	-3	-3	-3	-3	-3	-4	-4	-4
+03	12	Rustenburg	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3
-00	52	Boksburg	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
+08	16	Wolmaranstad	+6	+7	+8	+9	+10	+11	+10	+10	+8	+7	+6	+6
+08	24	Wakkerstroom	-11	-10	-9	-7	-6	-6	-6	-7	-8	-8	-10	-11
-01	04	Benoni	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
01	32	Nylstroom	+1	0	-1	-3	-4	-5	-4	-3	-2	-0	+1	+1
+07	32	Lichtenburg	+8	+8	+8	+8	+7	+7	+7	+7	+8	+8	+8	+8
-01	16	Brakpan	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
-07	44	Breyten	-8	-8	-8	-8	-8	-7	-8	-8	-8	-8	-8	-8
+01	04	Brits	+2	+2	+1	+1	0	0	0	0	+1	+2	+2	+2
-01	32	Springs	-2	-2	-2	-1	-1	-1	-1	-1	-2	-2	-2	-2
-50	44	Mozambique	-31	-39	-49	-59	-68	-72	-70	-63	-53	-42	-34	-29
-18	04	Maputo	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18
-00	56	Lusaka	+18	+11	+1	-9	-18	-22	-20	-13	-3	+7	+16	+20
-02	12	Bulawayo	+9	+4	-1	-7	-12	-14	-13	-9	-3	+3	+7	+10
-12	00	Harare	+3	-3	-11	-19	-25	-29	-27	-21	-13	-5	+1	+5
-07	04	Gwelo	+5	0	-6	-12	-18	-21	-19	-14	-8	-2	+4	+7
-07	00	Kwe-Kwe	+6	+1	-6	-13	-19	-22	-20	-15	-8	-1	+5	+8
-10	28	Fort Victoria	0	-4	-9	-15	-20	-23	-21	-17	-12	-6	-1	-2
-28	04	Limbe	-10	-17	-26	-36	-44	-48	-46	-39	-30	-20	-12	-8
-29	04	Zomba	-10	-17	-27	-37	-46	-50	-48	-41	-31	-21	-12	-8
-27	48	Blantyre	-10	-17	-26	-36	-44	-48	-46	-39	-30	-20	-12	-8
-09	32	Lobatsi	+11	+11	+10	+9	+8	+7	+8	+8	+9	+10	+11	+12
-35	08	Nairobi	+64	+49	+29	+7	-11	-20	-15	0	+21	+44	+60	+70
-44	36	Zanzibar	+48	+35	+19	+1	-14	-21	-17	-5	+12	+30	+5	+52
-46	28	Mombasa	+49	+35	+17	-2	-18	-27	-22	-8	+10	+29	+45	+49

TABLE TO CALCULATE SALÁH TIMES FOR OUTLYING AREAS

DIFFERENCE IN TIME BETWEEN DURBAN AND (IN MINUTES)

Avg Diff in LM.T			Argument for SUNRISE Argument for SUNSET	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
h	m	s		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
+0	02	36	Pietermaritzburg	+3	+3	+3	+2	+2	+2	+2	+2	+3	+3	+3	+3
-0	01	04	Stanger	0	0	-1	-2	-2	-2	-2	-2	-1	-1	0	0
+0	01	26	Umzinto	+1	+1	+1	+2	+2	+3	+2	+2	+2	+1	+1	0
+0	02	20	Port Shepstone	0	+1	+1	+3	+4	+4	+4	+3	+2	+2	+1	0
+0	04	36	Harding	+3	+4	+5	+5	+6	+6	+6	+5	+4	+4	+3	+3
+0	00	04	Pinetown	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
+0	04	36	Estcourt	+6	+6	+5	+4	+3	+3	+3	+3	+4	+5	+6	+7
+0	05	00	Ladysmith	+8	+7	+5	+4	+3	+2	+2	+3	+5	+6	+7	+8
+0	04	24	Newcastle	+9	+7	+5	+3	+1	0	0	+3	+4	+6	+8	+9
+0	01	44	Greytown	+3	+3	+2	+1	0	0	0	+1	+2	+2	+3	+3
+0	02	08	New Hanover	+3	+3	+2	+2	+1	+1	+1	+2	+2	+3	+3	+3
+0	03	52	Ixopo	+3	+4	+4	+4	+4	+5	+4	+4	+4	+4	+3	+3
+0	04	08	Mooi River	+5	+5	+4	+4	+3	+3	+3	+3	+4	+5	+5	+6
+0	00	04	Verulam	0	0	0	0	0	-1	-1	0	0	0	0	0
+0	00	20	Tongaat	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
+0	03	52	Dannhauser	+7	+6	+4	+2	+1	0	0	+2	+4	+5	+7	+8
+0	03	12	Howick	+4	+4	+3	+3	+3	+2	+2	+3	+3	+4	+4	+4
+0	03	12	Dundee	+7	+5	+4	+2	+1	0	0	+1	+3	+5	+6	+7
+0	03	44	Wesbank	+7	+6	+4	+2	+1	0	+1	+2	+3	+5	+6	+7
+0	03	32	Glencoe	+7	+5	+4	+2	+1	0	0	+2	+3	+5	+7	+7
+0	03	00	Richmond	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3	+3
-0	04	36	Mtubatuba	-2	-3	-4	-6	-7	-8	-7	-6	-5	-3	-2	-1
+0	11	12	Butha Buthe	+13	+13	+11	+10	+9	+9	+9	+10	+11	+12	+13	+14
+0	14	12	Maseru	+15	+15	+14	+14	+13	+13	+13	+14	+14	+15	+15	+15
+0	06	24	Kokstad	+5	+6	+6	+7	+8	+8	+8	+7	+7	+6	+5	+5
-1	45	52	Port Louis	+22	+25	+16	+6	-2	-4	-6	-4	+3	+12	+30	+34
-1	37	40	St. Dennis	+39	+33	+24	+15	+7	+3	+1	+5	+12	+10	+24	+41

DIFFERENCE IN TIME BETWEEN CAPE TOWN AND (IN MINUTES)

Avg Diff in LM.T		Argument for SUNRISE Argument for SUNSET	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
m	s		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
-37	40	Beaufort West	-13	-14	-16	-17	-19	-21	-20	-19	-17	-15	-14	-12
-37	40	East London	-36	-36	-37	-39	-39	-40	-40	-39	-38	-37	-36	-35
-33	36	Queenstown	-29	-31	-33	-36	-38	-39	-39	-36	-34	-32	-29	-28
-22	08	De Aar	-15	-18	-21	-25	-28	-30	-29	-26	-26	-19	-16	-14
-35	48	Stutterheim	-33	-34	-36	-37	-38	-39	-39	-37	-36	-35	-33	-32
-27	40	Uitenhage	-27	-27	-28	-28	-28	-28	-28	-28	-28	-28	-27	-27
-28	28	Port Elizabeth	-29	-29	-28	-28	-28	-28	-28	-28	-28	-28	-29	-29
-02	04	Porterville	0	-1	-2	-3	-4	-4	-4	-3	-2	-1	0	0
-28	24	Somerset West	-26	-27	-28	-30	-31	-31	-31	-30	-29	-27	-26	-25
-31	16	Adelaide	-29	-30	-31	-32	-34	-34	-34	-33	-32	-30	-29	-28
-0	00	Malmesbury	0	0	-1	-1	-2	-2	-2	-2	-1	-1	0	0
-22	20	Aberdeen	-19	-20	-22	-24	-25	-26	-26	-24	-23	-21	-19	-19
-03	25	Ceres	-2	-3	-3	-4	-4	-5	-5	-4	-4	-3	-2	-1
-03	48	Caledon	-4	-4	-4	-4	-3	-3	-3	-3	-4	-4	-4	-5
-30	24	Bedford	-28	-29	-30	-32	-33	-33	-33	-32	-31	-29	-28	-27
-14	36	Carnavon	-8	-11	-14	-17	-20	-22	-21	-18	-15	-12	-9	-7
-18	16	Knysna	-19	-18	-18	-18	-18	-18	-18	-18	-18	-18	-19	-19
-14	52	Oudtshoorn	-14	-14	-15	-15	-16	-16	-16	-15	-15	-15	-14	-14
-24	16	Graaff Reinet	-21	-22	-24	-26	-28	-28	-28	-26	-25	-23	-21	-20
-32	12	Grahamstown	-31	-31	-32	-33	-33	-34	-34	-33	-32	-32	-31	-31
-35	40	King William's Town	-33	-34	-35	-36	-38	-38	-38	-37	-36	-35	-34	-33
-25	08	Kimberley	-14	-19	-24	-30	-35	-37	-36	-32	-26	-20	-15	-13