

Angles of Declination and Altitude for Cairo, Egypt

Table A4.1. Angles of declination and altitude at latitude 30° N corresponding to Cairo

Time of Day	21 June Summer Solstice		21 March or 21 September Equinoxes		21 December Winter Solstice	
	Angle of Declination to the North	Angle of Altitude	Angle of Declination to the North	Angle of Altitude	Angle of Declination to the North	Angle of Altitude
5:03	62°40'	Sunrise-zero
6:00	69°24'	11°27'	90°00'	Sunrise-zero
7:00	75°42'	23°51'	97°24'	12°57'	117°20'	Sunrise-zero
8:00	81°48'	36°35'	106°53'	25°40'	125°50'	11°27'
9:00	88°13'	49°30'	116°27'	37°45'	135°24'	21°18'
10:00	96°34'	62°28'	130°00'	48°36'	148°36'	29°18'
11:00	112°34'	75°05'	151°11'	56°43'	163°15'	34°40'
12:00	180°00'	83°26'	180°00'	60°00'	180°00'	36°34'
13:00	247°56'	75°05'	208°49'	56°43'	196°45'	34°40'
14:00	263°56'	62°28'	230°00'	48°36'	211°24'	29°18'
15:00	271°77'	49°30'	243°33'	37°45'	224°06'	21°18'
16:00	278°12'	36°25'	253°07'	25°40'	234°10'	11°27'
17:00	284°18'	23°51'	262°36'	12°57'	242°40'	Sunset at 16:57
18:00	290°66'	11°27'	270°00'	Sunset-zero		
18:58	279°20'	Sunset-zero				