

**MERLIN QUICK REFERENCE**

<b>SUN</b>	<b>STAR</b>	<b>MOON/PL.</b>
(1) lat S-	(1) lat S-	(1) lat S-
(2) long W-	(2) long W-	(2) long W-
(3) day	(3) day	
	(4) dec° S-	(4) dec° S-
	(5) SHA°	
		(M) GHA°
GMT [1:]	GMT [1:]	
[2:]		

2nd [3:] → Az°  
 corr. alt 2nd [4:] → Int away -  
 (RM → computed alt° ' ")

(6) 0.91747  
 (7) 0.985647  
 (8) 102 . . . .  
 (9) YM  
 dec, SHA, GHA in  
 degrees decimal  
 others in ° . ' "

**IDENTIFICATION**

(3) day  
 (5) long W-  
 GMT [1:]  
 RM → LHA Aries

(1) lat S-  
 (2) zero  
 (4) alt  
 (M) Az

2nd [3:] → LHA star  
 -  
 enter LHA Aries  
 = → SHA  
 (+ 360 =)

2nd [4:]  
 RM → dec  
 (put sign)

Ht.	Dip
0.7m	- 1'.5
1.3m	- 2'
2.0m	- 2'.5
2.9m	- 3'
3.9m	- 3'.5
5.1m	- 4'
6.4m	- 4'.5
7.9m	- 5'

### MAIN CORRECTION

Star	alt	L.L.	U.L.
-8'.2	6° 15'	+ 8'	-24'
-7'.7	6° 40'	+ 8'.5	-23'.5
-7'.2	7° 20'	+ 9'	-23'
-6'.7	7° 50'	+ 9'.5	-22'.5
-6'.2	8° 30'	+10'	-22'
-5'.7	9° 20'	+10'.5	-21'.5
-5'.2	10° 20'	+11'	-21'
-4'.6	11° 30'	+11'.5	-20'.5
-4'.1	13°	+12'	-20'
-3'.6	15°	+12'.5	-19'.5
-3'.1	17°	+13'	-19'
-2'.6	20°	+13'.5	-18'.5
-2'.1	24°	+14'	-18'
-1'.6	31°	+14'.5	-17'.5
-1'.1	41°	+15'	-17'
-0'.6	59°	+15'.5	-16'.5
-0'.1	85°	+16'	-16'
0	90°	+16'	-16'

Month No.	Year No.	(8) No.
Jan. 100	2008 1.486	103.050
(Jan. leap 99)	09 1.245	103.067
Feb. 131	10 1.003	103.084
(Feb. leap 130)	11 .761	103.102
March 159	2012 1.519	103.119
April 190	13 1.276	103.136
May 220	14 1.035	103.153
June 251	15 .792	103.170
July 281	2016 1.549	103.187
Aug. 312	17 1.306	103.205
Sept. 343	18 1.063	103.222
Oct. 373	19 .820	103.239
Nov. 404	2020 1.577	103.256
Dec. 434	21 1.335	103.273

YM = Month No. + Year No.