

SUN RUN SUN

MORNING SIGHT

Date		DR Lat		N	S
Time UTC		DR Long		W	E

Body		Sextant Reading			
		Index Error	off +, on -		
		Dip for H/eyes	m	ft	
Limb		Apparent Height	Ha		Alt Corr
L	C	U			
Season (Sun)		Moon	Height Parallax HP	+	
OCT-MAR		only	Upper Limb Correction 30'	-	0
APR-SEP		Height Observed	Ho		

GHA		Tab Decl	N	S		Alm Dly
Mn v		d				Incr & Corr
Moon v correction		d correction				
mm:ss HA corr						
Total GHA		Declination	N	S		
+360 if GHA < DR Long						
Choose A Long near DR Long; cancel mins						
A Long	E-W	A Lat	N	S		
LHA		W	SAME	CONTRARY		

Hc0		d'		Zo		SRT
Alt corr for decl'						T.5
Hc	-					
Ho	+					
lc						
+ TOWARDS						
- AWAY						

LHA >180	<180	
N =	360-	round Zo
S	180- 180+	Z

NOON LATITUDE

Date	12 02 00	DR Lat	14 55 5	N	S
Time UTC	15 40	DR Long	051 42	W	E

Prime Meridian Passage (Greenwich Time of Transit)		Alm Dly	12 14
Time diff full hour meridians (1 hour per 15° DR Long)		W/E	3 0
Time diff partial meridian (DR Long mm:ss reverse lookup)		W/E	0 27
Solar Noon at DR Longitude		Incr & Corr	15 41

Body SUN		Sextant Reading			
		Index Error	off +, on -		
		Dip for H/eyes	4 8 m	ft	
Limb		Apparent Height	Ha		Alt Corr
L	C	U			
Season (Sun)		Moon	Height Parallax HP	+	
OCT-MAR		only	Upper Limb Correction 30'	-	0
APR-SEP		Height Observed	Ho		

Zenith	89	60	00
Ho	-	61 39 6	
Zenith Distance	28 20 4		

Tab Decl	N	S	13 29 4	Alm Dly
d			0 8	Incr & Corr
d correction				
Declination		N	S	13 28 9

ZD	+	-	+	-	+	Zenith Distance	28 20 4
Decl	+	-	+	-	+	Declination	13 28 9
Decl	N	N	S	N	S	Latitude	14 51 5
DR Lat	N	N	S	N	S		
BRG	180	360					

Know/reckon/measure	Look up	Calculate	Copy previous result	Plot
Alm Dly	Alm Corr	"Yellow Pages" Altitude Corrections	Incr & Corr	Increments & Corrections
SRT	Sight Reduction Tables	"Table 5" Correction to Tabulated Altitude for	Minutes of Declination	

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AFTERNOON SIGHT

Date	12 02 00	DR Lat	14 43	N	S
Time UTC	18 30 52	DR Long	051 50	W	E

Body		Sextant Reading			
		Index Error	off +, on -		
		Dip for H/eyes	4 8 m	ft	
Limb		Apparent Height	Ha		Alt Corr
L	C	U			
Season (Sun)		Moon	Height Parallax HP	+	
OCT-MAR		only	Upper Limb Correction 30'	-	0
APR-SEP		Height Observed	Ho		

GHA		Tab Decl	N	S	13 26 9	Alm Dly
Mn v		d			0 8	Incr & Corr
Moon v correction		d correction			- 0 4	
mm:ss HA corr						
Total GHA		Declination	N	S	13 26 5	
+360 if GHA < DR Long						
Choose A Long near DR Long; cancel mins						
A Long	E-W	A Lat	N	S	15	
LHA		W	SAME	CONTRARY		

Hc0		d'		Zo		SRT
Alt corr for decl'						T.5
Hc	-					
Ho	+					
lc						
+ TOWARDS						
- AWAY						

LHA >180	<180	
N =	360-	round Zo
S	180- 180+	Z