Sight Reduction Form

Navigator _____
Date LMT _____
Date GMT _____
Course _____ Speed _____
Height _____ I.C.(+/-) _____

DR Position

	deg	min	
DR Lat			N/S
DR Lng			E/W

at LMT _____
at GMT _____

Position Result

	deg	min	
Lat			N/S
Lng			E/W

at GMT _____

		1	2	3	4	5	6
1	**Body**						
	Watch						
	Err						
2	**GMT**						
3	Dip (-)	'	'	'	'	'	'
4	I. C. (+/-)	'	'	'	'	'	'
5	Sum	'	'	'	'	'	'
6	**Hs**	° '	° '	° '	° '	° '	° '
7	App.Alt	° '	° '	° '	° '	° '	° '
8	HP (☾)	+ ( ) -	+ ( ) -	+ ( ) -	+ ( ) -	+ ( ) -	+ ( ) -
9	Alt Corr						
10	Adtl Corr						
11	☾ ☉UL(-30') or Q						
12	Sum	° '	° '	° '	° '	° '	° '
=7	App.Alt	° '	° '	° '	° '	° '	° '
13	Ho	° '	° '	° '	° '	° '	° '
14	v (+/- P☾)						
15	GHA Hr	° '	° '	° '	° '	° '	° '
16	GHA Min&S	° '	° '	° '	° '	° '	° '
17	SHA★	° '	° '	° '	° '	° '	° '
18	v corr (P☾)	° '	° '	° '	° '	° '	° '
19	GHA	° '	° '	° '	° '	° '	° '
20	Long (-W +E)	° '	° '	° '	° '	° '	° '
21	LHA	° 00 ' 0	° 00 ' 0	° 00 ' 0	° 00 ' 0	° 00 ' 0	° 00 ' 0
22	d (+/- P☉☾)						
23	Decl (N/S)	° '	° '	° '	° '	° '	° '
24	d corr (+/-)	'	'	'	'	'	'
25	Decl (N/S)	° '	° '	° '	° '	° '	° '
26	d (+/-)						
27	Alt (Hc Table)	° ' 0	° ' 0	° ' 0	° ' 0	° ' 0	° ' 0
28	d corr	' 0	' 0	' 0	' 0	' 0	' 0
29	Hc >=Away	° ' 0	° ' 0	° ' 0	° ' 0	° ' 0	° ' 0
=13	Ho	° '	° '	° '	° '	° '	° '
31	Throw (A/T)	, NM	, NM	, NM	, NM	, NM	, NM
32	Z	°	°	°	°	°	°
33	Zn	°	°	°	°	°	°

N. Lat { LHA > 180: Zn = Z ; LHA < 180: Zn = 360 - Z

S. Lat { LHA > 180: Zn = 180 - Z ; LHA < 180: Zn = 180 + Z

Color Key

- Navigator Entry — Hs - Height Sextant
- Almanac — Ho - Height Observed (Hs with corrections)
- HO 249 Vol 1 — Hc - Height Computed (from tables)
- **bold** Copy to other
- ***=italic*** Copy to other

- 11 For **Moon or Sun** UL shot, - 30'
  For **Polaris**, use Q table, add to Ho, result is Lat, the end.
- 22 d is neg if declination is descending
- 24 d corr is negative if d is negative, see 22
- 31 if Hc > Ho, throw is Away, else Towards (Hc >= Away) (NM)

- 22-25, 29 & 33 For **selected stars**, skip 22-25, use LHA to lookup Hc (29) and Zn (33) from HO249 vol 1.
- 16 & 25 For **non-selected stars**, add 17 (SHA) to compute GHA (hrs + inc + SHA), then lookup declination in almanac, put in row 25 and proceed with 26