Sight Reduction Form
Pub. No. 249, Air Navigation, Vol 1
Multiple Stars

Star selection & planning:			GMT for Civil Twilight	: :
	Date	/ /	GHA Aries (hours only)	° '
	DR latitude	° '	GHA Aries (minutes/seconds)	° '
	DR longitude	° '	GHA Aries (sum of above)	° '
	Assumed lat (rounded)	° 00.0'	Assumed Long (E+/W-)	° '
	Zone Civil Twilight	: :	(If W, Longitude minutes = GHA minutes.	
	+/- 4 min/degree off center	+/- :	If East, Longitude min = 60 - GHA min)	
	DR Civil Twilight	: :	LHA Aries (line 16 +/- 17)	° 00.0'
Organize stars from first visible using Vol 1 and enter approximate altitude and azimuths.				

Observation details:					
1	Star				
2	Approximate Altitude (Hc)	° '	° '	° '	° '
3	Approximate Azimuth (Zn)	°	°	°	°
4	Watch time	: :	: :	: :	: :
5	Hs (sextant altitude)	° '	° '	° '	° '
Greenwich Mean Time:					
6	Watch error (f-, s+)	: :	: :	: :	: :
7	Zone time (line 5 +/- 7)	: :	: :	: :	: :
8	Zone description (E-, W+)	: 00 : 00	: 00 : 00	: 00 : 00	: 00 : 00
9	**GMT** (line 7 +/- 8)	: :	: :	: :	: :
10	Greenwich date	/ /	/ /	/ /	/ /
Local Hour Angle (LHA) and Declination (Dec) from Nautical Almanac:					
11	GHA Aries (hours only)	° '	° '	° '	° '
12	GHA Aries(minutes/seconds)	° '	° '	° '	° '
13	GHA (line 11+12)	° '	° '	° '	° '
14	**Assumed Long** (E+/W-)	° '	° '	° '	° '
	(If W, Longitude minutes = GHA minutes. If East, Longitude minutes = 60 - GHA minutes.)				
15	**LHA Aries** (line 13 +/- 14)	° 00.0'	° 00.0'	° 00.0'	° 00.0'
Observed Sextant Altitude (Ho) corrected for dip and other stuff:					
16	Index corr (off +, on -)	+/- '	+/- '	+/- '	+/- '
17	Dip corr (always -)	- '	- '	- '	- '
18	Ha (Apparent Alt, 5+-16-17)	° '	° '	° '	° '
19	Altitude correction	+/- '	+/- '	+/- '	+/- '
20	**Ho** (sum 18+19)	° '	° '	° '	° '
Computed Altitude (Hc) & Azimuth (Zn) using assumed lat, LHA, and Pub 249:					
21	Table **Hc**	° '	° '	° '	° '
22	Table **Zn**	°	°	°	°
23	**Asmd Lat** (top section)	° 00.0'	° 00.0'	° 00.0'	° 00.0'
24	**Asmd Long** (line 14)	° '	° '	° '	° '
25	**a** (altitude difference between	'	'	'	'
	Ho & Hc, 20 & 21, known as the intercept, which is equivalent to nautical miles from AP)				
26	**Toward/Away** (Ho Mo Tow)	Toward/Away	Toward/Away	Toward/Away	Toward/Away
Plot Lines 23-26					