

⊙ ⊙ Davis Mk 25 - artificial horizon doubles h_s

	h _s x 2	h _s	
19:10:30	109:32.6	:16.3	(.6-35)
19:15:22	109:40.5	:20.25	
19:20:25	109:46.6	:23.3	
PK 19:27:30-35	109:48.4	:24.2	- 54°54.2'
19:36:45 - 37:00	← 109:32.6 ←	:16.3	
19:40:05	109:22.5	:11.25	

$$19:36:45$$

$$- 19:10:30$$

$$26:15$$

$$\div 2$$

$$13:07$$

$$+ 19:10:30$$

$$19:23:37 - LAN$$

$$L \quad h_s = 54^\circ 54.2'$$

$$ZD = 90 - H_0 \quad 89^\circ 60.0'$$

$$- \quad 54^\circ 54.2'$$

$$ZD \quad 35^\circ 05.8'$$

$$L = ZD \pm d \quad d = 5^\circ 47.1'$$

$$S \quad N$$

$$L \quad 40^\circ 52.9' \rightarrow GPS \quad 40^\circ 46.6'$$

$$\Delta 6.3$$

L₀

$$GHA @ LAN = L_0$$

$$LAN @ 19:23:37$$

$$fm Alm 19:20:00 = 110^\circ 33.9'$$

$$3:37 = \underline{\quad 54 \quad}$$

L₀

$$111^\circ 27.9' \rightarrow GPS \quad 111^\circ 50.1'$$

$$\Delta 22$$

Kept glass plates on art. horizon - fogging of plates windy day - water surface rippling, uneven?

→ try oil or glycerin.

- Per Bowditch - avg 3 times of pre/post altitudes

