

Extract from Circular Memorandum of March 18th. 1892.

393.

"Surveys, as far as practicable, shall be Astronomical; that is to say, the Meridian of all surveys shall be referred to the Astronomical Meridian.

Where the survey is extensive, observations should be taken in more than one place, and instructions for surveys will in future issue only on this understanding. The object ultimately sought to be attained is that surveyors shall consider it part of their daily duty to take observations for the purpose of determining the True Meridian, even if all the observations are not reduced, they should be recorded in the field book; but on surveys of any extent it is expected, and required, that the computations shall be made and results noted on plans, and all particulars forwarded on the form issued from this Office for the purpose."

(Signed) A. McDOWALL,

Surveyor General.

METHOD OF SHOWING OBSERVATION ON PLANS

a-
18

OBSERVATIONS FOR TRUE MERIDIAN.

Date 28th Sept. 1892. Place, Station 44. R. O. Line between posts. 94v & 65v.

Lat. * 26° 02' S. Approx. Long. 152° 45' E.

App Positions on Sun.	Reading on R. O.	Time	H. C. on ☉	Altitude	Zenith Distance.	Variation
	o ' "	h. m. sec.	o ' "	o ' "	o ' "	o ' "
* L.	360	3 54	275. 25. 0.	28. 20. 0.		7. 18. 13.
* R.	360	3 56	274. 39. 0.	28. 12. 0.		
* L.	360	4 00	274. 29. 0.	26. 50. 0.		7. 18. 42.
* R.	360	4 02	273. 45. 0.	26. 43. 0.		
* L.	360	4 05	273. 46. 0.		64 23 0	7, 18. 19.
* R.	360	4 08	272. 57. 0.		64 38 0	
Mean =						7 18 24

*State how obtained

STELLAR OBSERVATION

Taken at Stn. 3: R. O. at Stn. 4. Bearing of R. O. = 68° 40'.

Date, April 30, 1892. Lat. 26° 44' (Scaled).

Star	Elongation	Obs. Bear ^g	Cal ^d Bear ^g	Variation
β Centauri	East	136° 7' 45"	145° 47' 7"	9° 39' 22"
γ Hydri	West	187 39 30	197 19 54	9 40 24
Mean Variation 9° 39' 53" East				