TRANSIT OBSERVATIONS.

Latitude 49° 55' N., Longitude 6 h. 28 m. 25 ... 30. West.

Date. 1882.	Star.	Declination.	Culmination.	No. of Wires.	Observed Mean tine of Transis by Chro. 652.	Mean time of Stars. Passage.	Observed Chronometer Error.	Instrum. Errors corrected for			
								Level.	,	Azimuth.	Remarks.
Dec. 4	η Uraæ Maj	N. 49° 54'	L	5	8, 47, 49.64	8, 47, 86.58	+ sec. 13.11	+ sec.			The incl
	a Draco	N. 64° 56'	L	5	9, 06, 00.64	9, 05, 49.70	10.94	10.67			observe
	4 Draco	N. 78° 15'	L	2	7, 11, 41.60	7, 11, 36.90	4.70	4.22			as fo
	β Arietis	N. 20 · 14	บ	5	8, 58, 11.68	8, 52, 53.63	18.05	18.33		21.00	8 p.m.=V 2 +0.16 sec 2 10.15 p.m.
	η Piscium	N. 14° 45'	30	5	8, 30, 17.22	8, 29, 59.95	17.27	17.45		20.57	Q W. + 0.0
	o Piscium	N. 8º 34'	**	5	8, 44, 14.74	8, 43, 57.21	17.53	17.78		21.19	p.m. = V
-	e' Ceti	· 8° 47'	14	5	8, 28, 14.98	8, 22, 57.95	17.03	17.14		21.61	The correction for
								Mean	•	21.11	inequality of pivo
	β Ur Min	N. 74° 38′	L	4	9, 55, 85.10	9, 55, 28.88	6.22	5.07			ed in th
	5 Ur Min	N. 76° 18'	L	8	9, 32, 20.64	9, 82, 16.04	4.60	8.45			errors:
	a Persei	N. 49° 27'	σ	8	10, 20, 47.80	10, 20, 28.80	19.50	20.50		20.6	≥ ·16 sec. 1
	a Ceti	N. 8º 88'	"	3	10, 00, 59.46	10, 00, 41.70	17.76	18.16		21.9	E .
0.	γ Cet1	N. 2º 44'	"	5	9, 49, 77.58	9, 41, 49.20	18.38	18.70		22.4	A
		Ì			. 0			Mean	•	. 21.63	
1 7	. Downer	N. 47° 25'	64		10, 39, 21,46	10, 39, 02.65	18.81	20.8		20.6	4
100	δ Persei	N. 28° 24'	64			10, 44, 56.80	17.58	18.5	175		
	η 1 a uri	17. 20 22			AU, 80, 12,00	10, 22, 00,00		t. Mea	n -	20.8	ğ

Mean Chro. error, lamp east is + 21.11
" west is + 21.63
Chro. 652, fast ; 21.37

COMBINATIONS FOR AZIMUTH.

LAMP I	aoi.

LAMP WEST.

n	Ursæ	Majoris	and	B	Arietis	=	5.27.	
•	Dread	mie and	- Pi	ani	1190		11	

 β Ursæ Minoris and γ Ceti = 5.75. 5 Ursæ Minoris and α Ceti = 5.5.

a Draconis and η Piscium = 4.74.

4 Draconis and θ' Ceti = 4.31.

Brand Sales

= 5.62,

Mean = 4.68.

Mean of Lamp W. and Lamp E. = + 5.15.