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COMMUNICATIONS FROM THE OBSERVATORY AT LEIDEN.

Observations of planet 1924 TD (Baade), by *W. H. van den Bos.*

The following observations are a continuation of those given in *B. A. N.* **69.**

1924	G. M. T.	α_{app}	δ_{app}	$\Delta\alpha$	$\Delta\delta$	Comp.	R. a. l. a.	τ	mag.	s	*
	h m s	h m s	° ′ ″	s	″		s ″	m			
Dec. 5	7 5 17	0 7 6·06	− 3 40 44·3	− 12·48	+ 219·4	16α, 16δ	+ 2·44 + 14·4	+ 13	10·5	1	13
6	7 38 13	10 25·92	3 50 6·9	+ 81·65	− 126·3	17α, 8δ	+ 2·44 + 14·2	+ 48	10·4	1	14
14	7 1 28	35 1·48	4 41 20·0	− 121·34	− 85·7	12α, 6δ	+ 2·50 + 12·3	+ 16	10·4	2	15
17	8 26 52	43 52·02	4 52 1·2	+ 2·82	+ 152·2	16α, 12δ	+ 2·50 + 11·7	+ 106	11·2	2	16

Dec. 5. Direct measure with micrometer, telescope clock-driven. Definition very bad; moonlight, planet faint. Wind shakes telescope, right ascension uncertain.

Dec. 6. Seeing bad, blurred images; moonlight, planet faint. Measures frequently interrupted by clouds.

Dec. 14. Many clouds.

Dec. 17. Direct measure with micrometer, telescope clock-driven. Strong haze, planet very faint, observations difficult.

Mean places of comparison stars, 1924·0

*	A. G. Strass.	α	δ
		h m s	° ′ ″
13	30	0 7 16·10	− 3 44 38·1
14	37	9 1·83	3 48 14·8
15	142	37 0·32	4 40 6·6
16	170	43 46·70	4 54 45·1

Measures of double stars on photographic plates, by *W. H. van den Bos.*

A small number of plates taken in 1922 and '23 have been measured during my stay at Potsdam in 1923, after the completion of the measurement of the Potsdam series of ξ Ursae Majoris 1914—1923.

The measures are a continuation of those given in *B. A. N.* **34**, where the necessary descriptions may be found. No objects with distances below 4″ were taken, as such close pairs are likely to be affected by photographic effects, and the measures are consequently unreliable.

The columns give respectively: number in BURNHAM's *General Catalogue of Double Stars*, name of star, coordinates 1925, date, difference in right ascension expressed in seconds of arc, difference in declination, mean errors of the single exposure in these coordinates, number of exposures, position angle, distance, number of nights.

If the date has been marked by an asterisk, the plate has been measured by Mrs. VAN DEN BOS, if not, by myself.

Bu	name	α	δ	1920 +	$\Delta\alpha\cos\delta$	$\Delta\delta$	m.e. of 1 exp. $\Delta\alpha\cos\delta$	m.e. of 1 exp. $\Delta\delta$	exp.	θ	ρ	n
		h m	° ′		″	″	″	″		°	″	
340	Σ 44	0 33·4	40 35	2·795	10·304	0·294	± ·21	± ·19	28	268·4	10·31	
				*2.893	10·339	0·362	·26	·17	16	268·0	10·34	
				2·844						268·2	10·32	2
BD 38°125		48·2	39 5	*2·781	4·184	7·415	·21	·16	6	29·4	8·51	
				*2.795	4·202	7·210	·09	·16	5	30·2	8·35	
				2·788						29·8	8·43	2