

Mean Places for 1871, January 1, of 78 Stars near the South Pole, observed at the Royal Observatory, Cape of Good Hope, in the Year 1871.

(Contributed by E. J. Stone, M.A., F.R.S., Her Majesty's Astronomer at the Cape of Good Hope.)

No.	Stars' Names.	Mag.	Number of Obs. above and below Pole.	Total Number of Obs.	Mean R.A. Jan. 1, 1871.			Frac- tion of Year. 1871.	Mean N.P.D. Jan. 1, 1871.	No. in		
					h	m	s			Brisbane.	B.A.C.	Johnson.
1	Lacaille 9745	7	{ S.P. 4 } 2	6	0	1	54.28	.49	176 45 26.83			
2	" 23	6	{ S.P. 1 } 1	2	0	8	22.79	.51	175 42 46.02	18		40
3	Octantis	6.5	3	3	0	13	5.35	.58	179 4 49.15	32		71
4	Lacaille 228	7	{ S.P. 3 } 1	4	0	36	25.29	.54	175 57 37.54			
5	" 242	7	{ S.P. 1 } 1	2	0	38	50.69	.47	176 7 11.72			
6	" 248	6.5	{ S.P. 3 } 1	4	0	39	53.75	.54	176 24 29.50			
7	" 293	7	{ S.P. 4 } 2	6	0	46	8.91	.53	176 35 46.07			
8	" 634	6	{ S.P. 6 } 6	12	1	45	7.74	.54	175 25 12.34			
9	" 760	7	{ S.P. 2 } 3	5	2	3	46.61	.52	175 39 38.01			
10	" 764	6	{ S.P. 3 } 3	6	2	5	48.12	.53	175 22 21.98			
11	" 1029	7	{ S.P. 3 } 10	13	2	40	14.61	.52	176 17 10.55			
12	" 1146	7	{ S.P. 1 } 4	5	2	51	58.96	.50	175 33 35.44			
13	" 1884	7	{ S.P. 2 } 6	8	2	53	32.08	.55	178 57 4.10			
14	" 1203	7	{ S.P. 2 } 9	11	3	4	35.28	.53	176 22 54.69			
15	" 1848	7	{ S.P. 2 } 7	9	3	22	32.13	.57	178 40 47.62			
16	" 1414	7	S.P. 9	9	3	47	20.23	.53	175 8 13.86			
17	" 1592	6.5	S.P. 6	6	4	6	46.03	.56	175 38 14.06			
18	" 1839	7	S.P. 7	7	4	37	30.85	.50	176 33 1.91			
19	" 2296	6	S.P. 6	6	5	55	13.87	.46	174 50 28.24	1165		1960
20	" 2512	6	S.P. 2	2	6	13	45.33	.57	175 55 28.17	1269		2085
21	" 3274	6.5	S.P. 6	6	7	31	24.85	.51	176 48 37.42			
22	Brisbane 2007	8	S.P. 4	4	8	8	45.55	.50	175 34 13.96			
23	A Octantis	7	S.P. 4	4	8	13	14.00	.57	178 29 27.53	2298		2878
24	Lacaille 3759	6.5	S.P. 4	4	8	45	19.44	.48	176 7 6.80	{ 2302 } { 2308 }		
25	ζ Octantis, Lac. 3953	5.5	S.P. 5	5	9	14	55.90	.48	175 8 34.65	2491		3211

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No.	Stars' Names.	Mag.	Number of Obs. above and below Pole.	Total Number of Obs.	Mean R.A.			Frac- tion of Year.	Mean N.P.D.			Brisbane.	No. in B.A.C.
					h	m	s		1871.	o	'		
26	*	{ 7.5 } { 7.0 }	S.P. 3	3	9	48	25.76	.53	175	25	7.18		
27	Lacaille 4169	6.5	S.P. 7	7	9	48	39.56	.54	175	25	6.72		
28	" 4342	7	{ S.P. 1 } { S.P. 4 }	5	10	11	53.56	.48	176	16	56.40		
29	*	7	{ S.P. 2 } { S.P. 3 }	5	10	31	10.14	.45	175	53	56.62		
30	*	7	S.P. 3	3	10	31	13.83	.57	178	51	32.34		
31	Lacaille 4510	6.5	{ S.P. 3 } { S.P. 6 }	9	10	38	19.48	.45	175	25	16.95		
32	" 4578	7	{ S.P. 2 } { S.P. 7 }	9	10	47	35.38	.46	176	13	11.83		
33	" 4708	7	S.P. 3	3	11	7	50.11	.53	175	2	59.30	3491	
34	" 4731	7	S.P. 3	3	11	10	49.00	.54	175	31	46.72	3525	
35	Brisbane 3618	7	{ S.P. 3 } { S.P. 4 }	7	11	23	28.19	.47	174	14	42.69	3618	
36	*	7	{ S.P. 1 } { S.P. 3 }	4	11	26	23.86	.53	178	32	1.86		
37	Lacaille 4865	7	{ S.P. 3 } { S.P. 4 }	7	11	34	27.70	.48	174	46	21.04	3722	
38	" 4991	6	{ S.P. 3 } { S.P. 4 }	7	11	55	57.79	.47	174	54	48.16	3884	4058
39	Brisbane 3962	7	{ S.P. 1 } { S.P. 2 }	3	12	7	27.35	.51	177	41	52.67	3962	
40	Lacaille 5107	6	{ S.P. 4 } { S.P. 2 }	6	12	15	32.81	.47	175	26	5.39	4018	4164
41	Brisbane 4091	7	{ S.P. 2 } { S.P. 3 }	5	12	32	25.19	.52	179	5	26.49	4091	
42	Octantis Lac. 5268	5	{ S.P. 2 } { S.P. 2 }	4	12	41	41.67	.50	174	25	17.69	4187	4293
43	Lacaille 5325	7	{ S.P. 5 } { S.P. 4 }	9	12	53	9.70	.49	176	51	53.02	4253	
44	" 5452	7	{ S.P. 3 } { S.P. 3 }	6	13	15	39.93	.50	175	9	17.85	4410	4460
45	" 5444	7	{ S.P. 4 } { S.P. 3 }	7	13	16	42.42	.51	176	3	32.99		
46	Octantis Lac. 5482	5	{ S.P. 5 } { S.P. 4 }	9	13	20	32.50	.51	175	7	20.07	4445	4483
47	*		{ S.P. 1 } { S.P. 5 }	6	13	28	39.49	.54	176	58	13.75		
48	Brisbane 4614		{ S.P. 7 } { S.P. 4 }	11	13	55	44.07	.53	178	46	55.69	4614	
49	Octantis Lac. 5823	6.7	{ S.P. 7 } { S.P. 2 }	9	14	27	42.60	.53	177	36	52.75	4886	4790 32
50	Lacaille 5882	7	{ S.P. 4 } { S.P. 1 }	5	14	29	24.14	.50	175	56	8.08		
51	" 6441	7	4	4	16	8	55.21	.52	177	19	13.52		

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					h	m	s		°	'	"	Brisbane.	B.A.C.	Johnson,
52	Brisbane 5607	6.7	5	5	16	13	25.33	.50	176	6	34.06	5607	5412	388
53	*	7	4	4	16	51	26.51	.56	177	7	32.39			
54	*	7	3	3	16	51	29.35	.56	177	15	12.51			
55	Lacaille 7078	7	6	6	17	20	58.38	.56	175	9	2.38			
56	Brisbane 6058	6	8	8	17	38	51.49	.49	177	39	15.44	6058	5936	433
57	" 6229	7	5	5	17	58	56.40	.55	176	16	6.77	6229		
58	♄ Octantis Lac. 6295	6	7	7	18	8	11.93	.50	179	16	42.00	5912	5959	423
59	Lacaille 7442	7	2	2	18	13	59.24	.56	175	40	37.16			
60	" 7751	7	8	8	18	51	55.28	.49	174	56	5.50			
61	" 8257	7	2	2	20	11	24.13	.51	174	50	12.41			
62	*	7	4	4	20	45	55.48	.56	175	42	48.03			
63	*	6	3	3	20	48	54.78	.48	176	9	38.31			
64	Lacaille 8474	7	3	3	20	49	50.76	.53	175	16	20.76			
65	" 8511	7	3	3	20	54	2.37	.51	174	50	2.33			
66	B Octantis	6.7	6	6	20	57	19.03	.51	179	26	24.17	6644	7020	496
67	Lacaille 8551	7	4	4	21	3	40.69	.49	175	21	19.08			
68	" 8626	7	4	4	21	20	42.74	.50	176	25	9.16			
69	" 8751	7	3	3	21	27	34.58	.48	174	32	52.76			
70	" 8720	6.7	6	6	21	27	46.32	.51	175	37	29.53			
71	" 8738	7	5	5	21	40	16.33	.49	177	5	49.44			
72	C Oct. Lac. 8924	6	{ S.P. 7 } { S.P. 1 }	8	22	6	8.90	.51	176	37	9.91	7119	7713	549
73	Lacaille 9123	7	{ S.P. 3 } { S.P. 1 }	4	22	29	13.97	.47	174	24	50.16			
74	♄ Octantis		{ S.P. 6 } { S.P. 3 }	9	23	7	26.93	.46	178	11	20.58	7421		578
75	Lacaille 9401	7	{ S.P. 5 } { S.P. 3 }	8	23	15	51.82	.44	176	25	4.80			
76	" 9464	7	{ S.P. 3 } { S.P. 1 }	4	23	26	32.36	.51	177	6	40.72			
77	" 9563	7	{ S.P. 4 } { S.P. 1 }	5	23	38	55.25	.49	174	34	45.08			
78	" 9596	7	{ S.P. 4 } { S.P. 3 }	7	23	43	59.15	.49	176	36	49.27			

1872, October 3.

Note on an Observing Chair for use with Reflecting Telescopes of the Newtonian Construction. By John Browning.

The model of the observing chair, which I now exhibit, is made principally from suggestions I have received from Mr.

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