ASTRONOMISCHE NACHRICHTEN.

Nº 3073.

Band 129.

1.

Sternbedeckungen durch Planeten im Jahre 1892.

Zusammenstellung der Conjunctionen von Planeten und Sternen im Jahre 1892.

Stern	Gr.	AR. app.	Decl. app.	M. Berl. Zt. der Conj. in AR.	Pl.—St. Δδ	Max.- Dauer	Sterncataloge
1) Venus.							
1	8.4	20 ^h 58 ^m 4 ^s .75	—18° 57' 12".2	Jan. 5	5 ^h 37 ^m	+ 5"	4 ^m AOe ₂ , Cinc., Wash. Z.
2	9.4	21 2 18.0	—18 38 12	» 6	1 44	—84	4.0 BD. —18°5866
3	9.3	21 17 23.7	—17 33 10	» 9	2 18	—16	4.0 BD. —17.6250
4	9.3	21 20 31.2	—17 18 33	» 9	17 28	—29	4.0 BD. —17.6268
5	9.4	21 35 33.0	—16 6 51	» 12	18 59	+13	4.0 BD. —16.5917
6	9.0	21 40 13.3	—15 44 19	» 13	18 3	+75	4.0 BD. —15.6060
7	9.4	21 43 16.6	—15 28 0	» 14	9 11	+38	4.0 BD. —15.6074
8	8.8	21 45 13.4	—15 18 45	» 14	18 51	+89	4.0 BD. —15.6078
9	9.4	21 45 36.1	—15 15 15	» 14	20 44	— 3	4.0 BD. —15.6079
10	9.0	21 55 17.38	—14 23 46.4	» 16	21 9	+ 6	4.1 W ₁ , (Sant.)
11	9.0	22 7 59.13	—13 14 17.8	» 19	13 16	+81	4.1 W ₁ , Sant., Quet.
12	9.1	22 24 39.5	—11 35 43	» 23	2 37	+41	4.1 BD. —11°5847
*13	6.8	22 25 56.04	—11 27 42.6	» 23	9 12	+24	4.1 W ₁ , Sant., Y, Lam., Rü., Quet.
14	9.4	22 31 37.4	—10 52 28	» 24	14 38	— 4	4.2 BD. —11°5881
15	9.4	22 33 43.8	—10 39' 7	» 25	1 34	—24	4.2 BD. —10.5964
16	9.3	22 41 17.0	— 9 52 4	» 26	16 57	— 5	4.2 BD. —10.5988
17	9.3	22 54 52.4	— 8 24 3	» 29	16 26	— 6	4.3 BD. — 8.5997
18	6.2	23 23 55.64	— 5 7 29.6	Febr. 5	3 32	—43	4.4 Piazzi etc. (Eig. Bew.))
*19	7.8	23 29 39.65	— 4 27 18.5	» 6	10 30	—58	4.4 W ₁ , Rü ₁ , Sant., Lam., Glasg., Pola.
20	9.3	23 35 42.8	— 3 44 47	» 7	19 17	—60	4.5 BD. —3°5689
21	9.3	23 44 59.9	— 2 40 26	» 9	21 48	+27	4.5 BD. —2.6047
22	9.0	0 19 34.7	+ 1 29 17	» 17	19 32	—20	4.7 BD. +1.55
23	8.9	0 30 32.3	+ 2 43 32.3	» 20	5 21	+73	4.8 Lam., BB. VI
*24	7.3	0 36 48.03	+ 3 34 24.9	» 21	18 38	—56	4.8 (Lal.), Quet.
25	9.4	1 5 56.68	+ 7 0 36.7	» 28	11 40	+49	5.0 BB. VI.
26	9.0	1 38 30.2	+10 45 17	März 6	22 48	—39	5.3 BD. +10°232
27	9.0	2 4 5.0	+13 30 53	» 12	18 25	—79	5.6 BD. +13.339
28	9.0	2 4 6.6	+13 28 17	» 12	18 33	+87	5.6 BD. +13.340
29	8.9	2 41 49.4	+17 9 50	» 21	5 52	+57	6.0 BD. +17.440
*30	6.0	2 49 43.04	+17 53 37.4	» 23	0 0	—22	6.1 Rü ₁ , Par., Y.
31	8.3	3 13 38.96	+19 53 5.1	» 28	6 53	+ 6	6.5 W ₂ , Kam
32	9.4	3 33 29.1	+21 20 56	April 1	15 10	+70	6.7 BD. +21°493
33	9.4	3 46 59.60	+22 17 26.0	» 4	13 53	—28	7.0 BB. VI
34	9.2	4 13 6.1	+23 50 11	» 10	6 12	—35	7.5 BD. +23°671
35	8.5	4 17 25.88	+24 3 9.6	» 11	4 47	+ 3	7.6 W ₂ , Par.
*36	6.5	4 17 27.80	+24 3 1.0	» 11	4 57	+18	7.6 Piazzi, W ₂ , Par.
37	9.3	5 30 45.54	+26 35 14.6	» 27	9 21	+43	9.4 Y.
38	9.0	5 37 23.09	+26 43 10.0	» 28	21 38	—53	9.6 W ₂
39	8.0	5 50 33.56	+26 50 23.1	Mai 1	22 52	+37	10.4 Lal., Par.
40	8.9	5 56 59.6	+26 54 2	» 3	11 14	—35	10.8 BD. +26°1049

*) Jähr. Eig. Bew. +0°10 —0°25.

Stern	Gr.	AR. app.	Decl. app.	M. Berl. Zt. der Conj. in AR.		Pl.—St. Δδ	Max.- Dauer	Sterncataloge	
41	9.4	5 ^h 59 ^m 31.54	+26° 55' 12"	Mai	4	1 ^h 40 ^m	—77"	11.1	BD. +26° 1071
42	9.3	6 3 33.4	+26 54 54	»	5	0 50	—28	11.3	BD. +26.1112
43	9.2	6 11 30.9	+26 53 45	»	6	23 13	+9	11.6	BD. +26.1171
44	9.0	6 13 55.9	+26 54 2	»	7	13 28	—42	11.9	BD. +26.1184
45	9.3	6 29 32.9	+26 46 12	»	11	12 11	—76	12.9	BD. +26.1291
46	9.3	6 32 15.7	+26 42 21	»	12	5 9	+15	13.2	BD. +26.1304
47	9.4	6 36 52.5	+26 38 48	»	13	10 23	—46	13.6	BD. +26.1337
48	9.4	6 45 34.9	+26 27 17	»	15	19 10	—7	14.4	BD. +26.1377
49	9.4	6 56 18.6	+26 8 59	»	18	20 33	+32	15.7	BD. +26.1438
*50	7.0	7 2 57.43	+25 54 37.6	»	20	20 25	+80	16.8	W ₂
*51	7.7	7 3 4.97	+25 54 33.5	»	20	21 20	+68	16.8	W ₂
52	9.3	7 4 47.7	+25 51 8	»	21	10 2	+42	17.5	BD. +25° 1600
53	8.5	7 14 55.4	+25 24 55	»	24	16 50	+49	19.5	BD. +25.1649
54	8.6	7 19 5.67	+25 12 10.0	»	26	3 32	+58	21	W ₂
55	9.0	7 44 11.8	+23 19 0	Juni	6	8 47	—20	40	BD. +23° 1825
*56	6.0	7 49 21.34	+20 10 15.6	»	23	7 20	—50	70	Piazz, W ₂ , Y., Quet.
57	9.2	7 40 25.59	+19 10 56.9	»	29	2 17	—3	47	W ₂
58	9.0	7 32 59.74	+18 39 13.3	Juli	2	11 45	+15	35	W ₂
59	8.8	7 29 55.79	+18 29 47.9	»	3	17 52	—85	39	W ₂
60	9.0	7 1 28.6	+17 11 59	»	14	13 34	+29	41	BD. +17° 1499
61	9.0	7 1 24.3	+17 11 30	»	14	14 17	+49	41	BD. +17.1498
62	8.8	6 51 50.6	+16 52 18	»	18	22 36	+99	50	BD. +16.1343
63	8.7	6 45 38.05	+16 44 34.0	»	22	16 50	0	70	Lal.
64	9.1	6 44 46.9	+16 43 40	»	23	8 38	—14	80	BD. +16° 1307
65	9.2	6 45 30.2	+16 59 45	Aug.	8	9 41	+4	60	BD. +17.1423
66	8.6	6 48 37.5	+17 6 29	»	10	15 17	—54	50	BD. +17.1442
67	9.0	7 12 35.33	+17 28 15.6	»	21	18 42	+41	23	W ₂
68	9.2	7 13 39.46	+17 29 28.3	»	22	4 13	—5	22	W ₂
69	9.3	7 16 4.7	+17 31 38	»	23	1 21	—85	21	BD. +17° 1558
70	9.0	7 26 47.8	+17 30 12	»	26	17 27	+72	19.0	BD. +17.1599
71	9.0	7 29 14.71	+17 32 7.6	»	27	12 34	—61	18.0	W ₂
72	9.4	7 36 36.4	+17 29 30	»	29	20 12	—26	16.9	BD. +17° 1647
73	9.2	7 38 45.1	+17 26 30	»	30	11 59	+98	16.4	BD. +17.1659
74	9.4	7 51 37.3	+17 18 28	Sept.	3	7 8	+73	14.7	BD. +17.1714
75	9.5	7 57 42.12	+17 14 5.3	»	5	0 29	—9	13.8	BB. VI
76	9.2	8 0 48.0	+17 10 19	»	5	21 11	+17	13.8	BD. +17° 1760
77	9.4	8 3 19.7	+17 8 42	»	6	13 56	—51	13.4	BD. +17.1774
78	9.3	8 12 9.7	+16 57 17	»	8	23 26	—75	12.6	BD. +17.1815
79	9.3	8 12 12.6	+16 55 17	»	8	23 45	+40	12.6	BD. +17.1816
80	8.6	8 21 56.0	+16 39 57	»	11	13 26	+38	11.5	BD. +16.1731
81	9.3	8 25 19.8	+16 35 17	»	12	10 38	—40	11.2	BD. +16.1747
82	9.0	8 31 41.1	+16 21 42	»	14	1 54	+53	10.8	BD. +16.1776
83	9.2	8 53 43.4	+15 32 36	»	19	14 46	—2	10.0	BD. +15.1952
*84	7.5	9 2 10.96	+15 8 59.0	»	21	16 41	+58	9.7	W ₁ , Rü ₁
85	9.0	9 28 54.46	+13 46 38.7	»	28	3 40	+41	8.7	W ₁
86	8.3	9 35 47.91	+13 23 24.6	»	29	19 6	—9	8.5	W ₁ , Sj.
87	9.4	9 42 41.8	+12 58 14	Oct.	1	10 28	—12	8.2	BD. +13° 2159
88	9.4	9 46 22.4	+12 43 43	»	2	7 19	+29	8.1	BD. +12.2107
89	9.3	10 2 15.9	+11 40 39	»	6	1 13	+13	7.7	BD. +11.2174
90	9.3	10 13 18.8	+10 53 3	»	8	15 23	+37	7.5	BD. +11.2204
91	9.3	10 17 24.1	+10 34 39	»	9	14 19	+57	7.4	BD. +10.2145
*92	4.1	10 27 8.41	+9 51 42.1	»	11	20 52	—30	7.2	Jahrbuch 1892
93	9.4	11 3 51.48	+6 49 47.3	»	20	9 28	—69	6.6	BB. VI
94	9.3	11 4 22.4	+6 45 3	»	20	12 20	+50	6.6	BD. +6° 2410
95	9.3	11 4 57.5	+6 44 20	»	20	15 35	—92	6.6	BD. +6.2412
96	8.7	11 32 33.36	+4 13 6.7	»	27	0 31	—68	6.1	W ₁ , Rü ₁

Stern	Gr.	AR. app.	Decl. app.	M. Berl. Zt. der Conj. in AR.		Pl.—St. $\Delta\delta$	Max.- Dauer	Sterncataloge
97	8.7	12 ^h 7 ^m 35.0	+ 0° 49' 30"	Nov.	4	1 ^h 32 ^m — 5"	5.7	BD. +1°2667
98	9.2	12 9 16.8	+ 0 39 32	"	4	10 47 — 6	5.7	BD. +0.2913
99	9.0	12 28 40.10	— 1 15 19.0	"	8	20 43 — 34	5.5	W ₁
*100	6.8	12 38 39.66	— 2 15 11.9	"	11	3 2 — 26	5.4	Pi, W ₁ . Sant., Quet.
101	9.0	12 40 22.41	— 2 26 32.5	"	11	12 19 + 40	5.4	Rü.
102	8.0	13 19 11.95	— 6 16 42.9	"	20	4 48 + 35	5.1	W ₁ , Sant.
103	9.4	13 20 10.7	— 6 22 11	"	20	10 0 + 20	5.1	BD. —6°3813
*104	7.0	13 27 46.98	— 7 4 13.5	"	22	2 19 — 76	5.0	Piazz, W ₁ , Rü ₁ , Y, Quet.
*105	7.0	13 50 10.78	— 9 13 44.0	"	26	23 54 + 41	4.9	W ₁ , Sant.
106	9.2	14 11 24.44	— 11 9 14.6	Dec.	1	13 42 + 58	4.7	BB. VI
107	9.4	14 19 22.4	— 11 49 11	"	3	6 27 — 47	4.7	BD. —11°3738
108	9.2	14 23 41.9	— 12 11 38	"	4	4 29 — 35	4.6	BD. —12.4063
109	8.6	14 49 37.9	— 14 17 51	"	9	14 55 — 89	4.6	BD. —14.4070
110	9.0	14 51 31.5	— 14 28 29	"	10	0 20 + 19	4.6	BD. —14.4077
111	9.4	15 9 25.1	— 15 49 6	"	13	16 35 + 44	4.5	BD. —15.4064
112	9.4	15 10 19.1	— 15 51 16	"	13	21 0 — 58	4.5	BD. —15.4066
113	9.4	15 22 6.6	— 16 42 29	"	16	6 24 + 57	4.4	BD. —16.4088
114	9.1	15 25 33.9	— 16 56 22	"	16	23 7 + 55	4.4	BD. —16.4103
115	9.1	15 34 14.2	— 17 29 4	"	18	16 52 — 15	4.4	BD. —17.4397
116	9.1	15 39 53.64	— 17 50 8.5	"	19	19 57 — 26	4.3	AOe ₂ , BB. VI
117	9.2	15 52 54.2	— 18 36 2	"	22	9 48 — 51	4.3	BD. —18°4210
118	8.2	16 3 6.11	— 19 10 21.4	"	24	9 51 — 17	4.3	AOe ₂ , Cinc.
119	9.4	16 4 1.5	— 19 14 13	"	24	14 11 + 38	4.3	BD. —19°4325
120	9.2	16 41 57.0	— 20 58 27	"	31	21 52 + 25	4.1	BD. —20.4562

2) Mars.

121	9.3	15 ^h 1 ^m 57.0	— 16° 21' 5"	Jan.	4	19 ^h 47 ^m + 9"	3.0	BD. —16°4011
122	9.3	15 9 32.6	— 16 53 34	"	7	20 7 + 4	3.1	BD. —16.4040
123	9.5	15 10 27.1	— 16 57 32	"	8	4 45 + 13	3.1	BD. —16.4043
124	8.7	15 20 12.30	— 17 37 10.3	"	12	1 5 + 1	3.2	AOe ₂
125	9.5	15 27 52.8	— 18 7 9	"	15	1 22 + 5	3.3	BD. —17°4365
126	9.5	15 36 40.5	— 18 38 47	"	18	11 48 — 60	3.3	BD. —18.4137
127	9.5	16 2 15.8	— 20 4 51	"	28	9 25 — 25	3.5	BD. —19.4318
128	9.1	16 14 20.4	— 20 41 30	Febr.	2	0 39 + 56	3.6	BD. —20.4468
129	9.2	16 14 35.8	— 20 41 30	"	2	3 0 + 14	3.6	BD. —20.4469
130	neb.	16 46 53.4	— 21 58 36	"	14	10 21 — 47	3.9	BD. —21.4439
131	9.4	17 14 34.0	— 22 48 41	"	24	22 7 + 55	4.2	BD. —22.4326
132	8.3	17 14 58.92	— 22 49 1.6	"	25	1 53 + 39	4.2	Wash. Z., BB. VI
133	9.5	17 22 8.0	— 22 58 59	"	27	18 57 + 56	4.3	BD. —22°4348
134	9	17 31 46.57	— 23 8 38.8	März	2	10 49 — 41	4.4	Cord. Z. 2089
*135	7.5	17 42 56.13	— 23 20 0.2	"	6	16 48 + 9	4.6	Cord. Z. 2823
136	9	17 59 11.52	— 23 31 6.8	"	12	22 5 + 45	4.9	Cord. Z. 3960
137	9.5	17 59 30.47	— 23 29 57.3	"	13	0 59 — 35	4.9	Cord. Z. 3978
138	9	18 26 44.84	— 23 36 0.1	"	23	14 3 + 28	5.3	Cord. Z. 1566
*139	6	18 31 56.42	— 23 35 51.5	"	25	14 54 + 66	5.4	Cord. Z. 1826
140	9	18 46 37.19	— 23 29 52.4	"	31	10 25 + 14	5.7	Cord. Z. 2535
141	9	19 1 41.13	— 23 20 26.9	April	6	12 10 + 24	6.1	AOe ₂
142	9	19 7 36.37	— 23 15 3.1	"	8	22 17 — 4	6.2	Cord. Z. 286
143	9.5	19 27 40.7	— 22 53 20	"	17	7 33 — 27	7.0	BD. —22°5153
144	9.5	19 35 31.5	— 22 44 28	"	20	16 21 + 52	7.3	BD. —22.5196
145	9.0	19 38 43.11	— 22 38 7.7	"	22	1 39 — 63	7.5	Lam.
146	9.5	19 40 26.9	— 22 37 5	"	20	19 48 + 21	7.5	BD. —22°5227
147	9.2	19 48 50.5	— 22 24 52	"	26	13 1 + 42	7.9	BD. —22.5274
148	9.1	20 18 16.5	— 21 32 28	Mai	10	9 40 — 61	9.9	BD. —21.5708
149	9.5	20 21 28.5	— 21 27 31	"	12	0 12 + 1	10.3	BD. —21.5721

Stern	Gr.	AR. app.	Decl. app.	M. Berl. Zt. der Conj. in AR.	Pl.—St. Δδ	Max.- Dauer	Sterncataloge
150	8.3	20 ^h 27 ^m 10 ^s .95	— 21° 15' 52".2	Mai 14	22 ^h 28 ^m	— 52"	10 ^m .7 (Y, Cinc.*)
151	9.5	21 6 52.1	— 20 9 53	Juni 8	12 1	+ 29	21 BD. — 20° 6' 15.6
152	8.5	21 18 49.2	— 20 4 48.4	» 19	2 0	— 30	36 AOe ₂ , Cinc.
153	9.0	21 25 30.5	— 21 2 51	Juli 9	3	+ 19	98 BD. — 21° 60' 32
154	9.2	21 18 6.9	— 22 30 48	» 23	19 54	+ 8	43 BD. — 22.5678
155	9.2	20 56 1.87	— 21 50 13.5	Sept. 25	15 35	+ 17	25 Cinc.
156	8.5	20 59 35.53	— 21 22 58.4	» 28	19 25	+ 31	22.5 AOe ₂ , Lal.
157	9.0	21 3 18.3	— 20 55 30	Oct. 1	18 54	+ 29	19.8 BD. — 21° 59' 39
158	9.0	21 21 0.12	— 18 51 21.1	» 13	16 29	— 24	14.0 AOe ₂
159	9.2	21 28 5.2	— 18 3 48	» 17	20 17	— 7	12.8 BD. — 18° 59' 62
160	9.3	21 38 41.2	— 16 53 8	» 23	16 22	+ 23	11.2 BD. — 17.6362
*161	3	21 41 7.33	— 16 36 55.6	» 24	23 35	+ 31	11.0 Jahrbuch 1892
162	8.5	21 56 29.3	— 14 51 41	Nov. 1	19 58	— 69	9.3 BD. — 15° 6' 12.5
*163	4.5	22 0 38.69	— 14 23 28.5	» 3	21 11	— 68	8.9 Jahrbuch 1892
164	9.0	22 25 28.5	— 11 34 8	» 15	16 51	+ 22	7.5 BD. — 11° 58' 53
165	8.0	22 33 18.26	— 10 39 44.1	» 19	7 25	+ 40	7.1 W ₁ , Rü ₁ , Lam, Sant., Quet.
166	9.1	22 46 9.49	— 9 7 41.3	» 25	3 21	— 45	6.6 W ₁ , Sj.
167	8.8	22 52 54.2	— 8 19 0	» 28	3 52	— 90	6.3 BD. — 8° 59' 89
168	9.0	23 0 50.97	— 7 24 21.8	Dec. 1	16 40	+ 38	6.1 Lam.
169	9.5	23 2 25.6	— 7 12 8	» 2	9 24	— 20	6.1 BD. — 7° 59' 37
170	9.0	23 10 8.20	— 6 16 54.8	» 5	19 0	— 11	5.8 W ₁ , Y.
171	9.5	23 16 25.7	— 5 32 39	» 8	13 12	+ 52	5.6 BD. — 5° 59' 75
*172	7.3	0 3 22.48	+ 0 5 44.0	» 28	18 2	+ 56	4.8 Y., Sant., Sj.

3) Jupiter.

173	9.0	23 ^h 8 ^m 58 ^s .35	— 6° 42' 28".4	Jan. 12	16 ^h 9	— 31"	1 ^h .2 W ₁
*174	6.2	23 23 55.19	— 5 7 26.6	Febr. 1	11.8	+ 92	1.1 Stern 18 oben.
*175	7.8	23 29 39.71	— 4 27 18.3	» 8	13.1	— 72	1.0 Stern 19 oben.
176	9.2	0 40 32.6	+ 3 10 18	April 30	0.4	— 61	1.0 BD. + 2° 100
*177	6.0	0 59 16.31	+ 5 4 38.1	Mai 23	16.4	— 16	1.2 W ₁ , Par., Glasg., Alb.
178	8.8	1 11 17.04	+ 6 14 28.1	Juni 9	3.0	+ 56	1.5 Glasg.
179	8.8	1 14 35.4	+ 6 32 23	» 15	4.5	+ 120	1.6 BD. + 6° 201
*180	7.7	1 17 17.90	+ 6 50 51.9	» 19	7.0	— 59	1.6 W ₁ , Par., Glasg.
181	9.1	1 23 50.5	+ 7 27 22	Juli 2	4.7	— 67	2.1 BD. + 7° 217
182	8.9	1 28 22.55	+ 7 50 3.8	» 12	21.3	+ 20	2.7 W ₁
183	9.5	1 18 52.03	+ 6 35 50.8	Oct. 6	9.0	— 38	2.5 BB. VI
184	9.2	1 5 20.8	+ 5 16 55	Nov. 3	13.6	— 77	2.9 BD. + 5° 152
185	9.4	0 58 48.3	+ 4 39 24	» 24	8.1	+ 76	5.7 BD. + 4.168

4) Saturn.

186	8.9	11 ^h 51 ^m 53 ^s .2	+ 3° 38' 8"	März 17	10 ^h 2	— 96"	1 ^h .6 BD. — 3° 2577
187	9.3	11 46 32.2	+ 4 10 57	April 5	13.4	+ 9	1.8 BD. + 4.2533
188	9.5	11 40 5.6	+ 4 46 48	Mai 9	11.7	+ 71	4.6 BD. + 4.2524
189	9.5	11 52 43.0	+ 3 8 37	Aug. 2	14.7	+ 32	1.1 BD. + 3.2578
190	9.5	11 53 23.7	+ 3 2 37	» 4	11.8	+ 115	1.1 BD. + 3.2581
191	9.5	11 53 52.6	+ 3 2 13	» 5	19.4	— 60	1.1 BD. + 3.2582
192	9.4	11 57 37.3	+ 2 34 13	» 15	13.7	+ 95	1.0 BD. + 2.2508
193	9.1	12 36 21.7	— 1 30 10	Nov. 13	3.4	— 59	1.1 BD. — 1.2711
194	9.5	12 49 43.0	— 2 43 11	Dec. 33	3.9	— 16	3.4 BD. — 2.3594

Bezüglich der Einrichtung vorstehender Tabellen sei auf Astr. Nachr. 2814, 2868 und 2937 verwiesen.

*) Yarnall giebt AR. um 0° 94 grösser als Cincinnati-Cat.

Berlin, Kgl. Recheninstitut, 1891 Decbr. 19.

A. Berberich.