

**(136472) MAKEMAKE**

M d 2022	Wsch.	Kulm.	Zach.	A	$\alpha$	$\delta$	V	$\Delta I$
	$\lambda=0^\circ$		$\varphi=50^\circ$		$0^hUT$			
	h m	h m	h m	$\pm^\circ$	h m	$^\circ \quad '$	m	$^\circ$
I 0	22 35	6 37	14 36	127	13 17.1	22 06	17.2	-91
8	22 03	6 06	14 05	127	13 17.3	22 10	17.2	-98
16	21 31	5 35	13 34	127	13 17.3	22 14	17.2	-105
24	20 59	5 03	13 03	127	13 17.3	22 18	17.1	-112
II 1	20 27	4 32	12 32	127	13 17.2	22 23	17.1	-119
9	19 55	4 00	12 01	127	13 17.0	22 28	17.1	-126
17	19 23	3 28	11 30	127	13 16.7	22 33	17.1	-132
25	18 50	2 57	10 59	128	13 16.4	22 38	17.1	-138
III 5	18 18	2 25	10 27	128	13 16.0	22 42	17.1	-144
13	17 46	1 53	9 56	128	13 15.6	22 47	17.1	-148
21	17 13	1 21	9 25	128	13 15.1	22 51	17.1	-151
29	16 41	0 49	8 53	128	13 14.6	22 54	17.1	-152
IV 6	16 09	0 17	8 21	128	13 14.0	22 57	17.1	151
14	15 36	23 41	7 50	128	13 13.5	23 00	17.1	148
22	15 04	23 09	7 18	128	13 13.0	23 01	17.1	143
30	14 32	22 37	6 46	128	13 12.4	23 02	17.1	138
V 8	14 00	22 05	6 14	128	13 11.9	23 03	17.1	132
16	13 28	21 33	5 42	128	13 11.5	23 02	17.1	126
24	12 57	21 01	5 10	128	13 11.1	23 01	17.1	120
VI 1	12 25	20 30	4 38	128	13 10.8	22 59	17.2	113
9	11 53	19 58	4 06	128	13 10.5	22 57	17.2	106
17	11 22	19 26	3 34	128	13 10.3	22 53	17.2	100
25	10 51	18 55	3 02	128	13 10.1	22 49	17.2	93
VII 3	10 20	18 23	2 30	128	13 10.1	22 45	17.2	86
11	9 49	17 52	1 58	128	13 10.1	22 40	17.2	80
19	9 18	17 20	1 26	128	13 10.2	22 35	17.2	73
27	8 48	16 49	0 54	127	13 10.4	22 30	17.2	66
VIII 4	8 17	16 18	0 22	127	13 10.6	22 24	17.2	60
12	7 47	15 47	23 47	127	13 11.0	22 18	17.2	54
20	7 16	15 16	23 15	127	13 11.4	22 12	17.2	48
28	6 46	14 45	22 43	127	13 11.8	22 06	17.2	42
IX 5	6 15	14 14	22 12	126	13 12.3	22 01	17.2	37
13	5 45	13 43	21 40	126	13 12.9	21 55	17.2	32
21	5 15	13 12	21 09	126	13 13.5	21 50	17.2	29
29	4 44	12 41	20 38	126	13 14.1	21 46	17.1	27
X 7	4 14	12 10	20 06	126	13 14.8	21 41	17.1	-28
15	3 44	11 39	19 35	126	13 15.4	21 38	17.2	-30
23	3 13	11 09	19 04	126	13 16.1	21 35	17.2	-34
31	2 43	10 38	18 33	126	13 16.7	21 32	17.2	-39
XI 8	2 12	10 07	18 02	126	13 17.3	21 31	17.2	-44
16	1 41	9 36	17 31	126	13 17.9	21 29	17.2	-51
24	1 10	9 05	17 00	126	13 18.5	21 29	17.2	-57
XII 2	0 39	8 34	16 29	126	13 19.0	21 30	17.2	-64
10	0 08	8 03	15 58	126	13 19.4	21 31	17.2	-71
18	23 33	7 32	15 27	126	13 19.7	21 33	17.2	-78
26	23 01	7 01	14 57	126	13 20.0	21 35	17.2	-85
2023 I 3	22 30	6 30	14 26	126	13 20.2	21 38	17.2	-92