

### Gwiazdy zmienne zaćmieniowe (I)

Nazwa	$\alpha_{2000}$		$\delta_{2000}$		m	$A_1$	$A_2$	D	d	Minimum	Okres
	h	m	°	'							
U Cep	1	02.2	+81	52	6.8	2.3	0.1	9.6	2.3	2458... 121.45	d 2.4931
BX And	2	09.0	+40	48	8.9	0.7	0.3	W		120.06	0.6101
DO Cas	2	41.4	+60	34	8.6	0.7	0.2	$\beta$		119.82	0.6847
RZ Cas	2	48.9	+69	38	6.2	1.5	0.1	4.8	0	120.65	1.1953
XY Cet	2	59.5	+03	31	8.6	0.7	0.5	6.7	0	121.57	2.7807
$\beta$ Per	3	08.2	+40	57	2.1	1.3	0.1	9.6	0	120.16	2.8673
BF Aur	5	05.1	+41	18	8.5	0.8	0.7	$\beta$		119.82	1.5832
TT Aur	5	09.7	+39	36	8.3	0.9	0.4	$\beta$		120.38	1.3327
SX Aur	5	11.7	+42	10	8.4	0.8	0.5	$\beta$		119.94	1.2101
WW Aur	6	32.5	+32	28	5.8	0.8	0.6	6.0	0	119.98	2.5250
YY CMi	8	06.6	+01	56	8.3	0.8	0.6	$\beta$		119.64	1.0940
SW Lyn	8	07.7	+41	48	9.5	0.7	0.1	2.0		119.75	0.6441
W UMa	9	43.8	+55	57	7.9	0.7	0.7	W		119.57	0.3336
TX UMa	10	45.4	+45	34	7.1	1.7	0.1	9.4	0	121.28	3.0633
AI Dra	16	56.3	+52	42	7.1	1.0	0.1	4.4	0	119.80	1.1988
U Oph	17	16.5	+01	12	5.9	0.7	0.6	7.0	0	120.29	1.6773
u Her	17	17.4	+33	06	4.6	0.7	0.3			120.96	2.0510
TX Her	17	18.6	+41	53	8.5	0.8	0.4	4.9	0	120.27	2.0598
RX Her	18	30.7	+12	36	7.3	0.6	0.5	6.0	0.9	120.21	1.7786
RS Sct	18	49.2	-10	14	8.6	1.2	0.3	$\beta$		119.78	0.6642
$\beta$ Lyr	18	50.1	+33	22	3.3	0.9	0.5	$\beta$		126.68	12.9408
BH Dra	19	03.7	+57	28	8.4	0.9	0.2	7.0	0	121.31	1.8172
V548 Cyg	19	56.9	+54	48	8.9	0.8	0.1	$\beta$		120.33	1.8052
V477 Cyg	20	05.5	+31	59	8.5	0.8	0.2	4.0	0.2	120.96	2.3470
V346 Aql	20	10.0	+10	21	9.0	1.2	0.1	5.0	0	119.95	1.1064
MY Cyg	20	20.1	+33	57	8.7	0.7	0.7	7.2		123.05	4.0052
V836 Cyg	21	21.4	+35	45	8.6	0.7	0.2	$\beta$		119.75	0.6534
EE Peg	21	40.0	+09	11	6.9	0.7	0.2	6.4	0	121.51	2.6282
EK Cep	21	41.4	+69	42	8.0	1.3	0.1	6.4		121.94	4.4278
CM Lac	22	00.1	+44	33	8.5	1.0	0.3	4.0	0	120.42	1.6047
RT Lac	22	01.5	+43	53	8.8	1.1	0.8	$\beta$		121.08	5.0737
ZZ Cep	22	45.0	+68	08	8.6	1.0	0.1	5.1	0	121.39	2.1418
SW Lac	22	53.7	+37	56	8.5	0.8	0.8	W		119.82	0.3207
RT And	23	11.1	+53	01	8.9	0.9	0.3	2.6	0	119.83	0.6289

## Gwiazdy zmienne zaćmieniowe (II)

Dz	U Cep	BX And	DO Cas	RZ Cas	XY Cet	$\beta$ Per	BF Aur	TT Aur	SX Aur	WW Aur	YY CMi	SW Lyn
1	0	0 61	0 68	0	0	0	0	0	0	0	0	0 64
2		22 83	37	20			58	33	21		9	29 93
3	49	44	5 74	39	78	87		67	42	53	19	58
4		5 66	42	59			17	100	63		28	22 86
5	99	27 88	11 79	78			75		84		38	51
6		49	48	98	56	73		33		5	47	15 80
7		10 71	16 85				33	66	5		56	44
8	48	32 93	53	17			92	100	26	58	66	8 73
9		54	22 90	37	34	60			47		75	37
10	97	15 76	59	56			50	33	68		85	2 66
11		37 98	27 95	76				66	89	10	94	31 95
12		59	64	95	12	47	8	99				59
13	47	20 81	32				67		10	63	3	24 88
14		42	1 69	15	90			33	31		13	53
15	96	3 64	38	34		34	25	66	52		22	17 81
16		25 86	6 75	54			83	99	73	15	32	46
17		47	43	73	68				94		41	10 75
18	45	8 69	12 80	93		20	42	33		68	50	39
19		30 91	49				100	66	15		60	3 68
20	94	52	17 86	12	46			99	36		69	32 97
21		13 74	54	32		7	58		57	20	79	61
22		35 96	22 91	51				32	78		88	25 90
23	44	57	59	71	25	94	17	66	99	73	97	54
24		18 79	28 96	91			75	99				19 83
25	93	40	65						20		7	47
26		1 62	33	10	3	81	33	32	41	25	16	12 76
27		23 84	2 70	30			91	65	62		26	41
28	42	45	39	49	81			99	83	78	35	5 70
29		6 68	7 76	69		67	50				44	34 98
30	92	29 90	44	88				32	4		54	63
31		51	13 81		59		8	65	25	30	63	27 92
<b>Mi</b>												
1	-55	56	32	-5	-71	66	32	88	44	48	14	25
2	86	7	13	3	-112	-167	98	53	91	-22	87	16
3	29	13	20	72	-131	-99	-10	52	74	-44	22	50
4	-80	25	1	79	-173	-45	56	17	-1	-114	95	42
5	-88	15	14	67	-114	-178	64	82	24	-84	49	4
6	53	26	63	75	-155	-124	-28	48	71	98	12	60
7	45	16	7	63	-96	30	-20	-20	96	-124	75	23
8	-63	27	57	71	-138	84	47	78	21	59	38	14
9	78	39	38	79	99	-148	-45	44	67	-11	2	6
10	69	28	50	67	-120	6	-37	-24	92	19	65	33
11	-39	40	31	74	-161	60	30	74	18	-51	28	25
12	-47	29	44	62	-102	-73	38	6	43	-21	92	52

### Gwiazdy zmienne zaćmieniowe (II – c.d.)

Dz	W UMa	TX Uma	AI Dra	U Oph	u Her	TX Her	RX Her	RS Sct	$\beta$ Lyr	BH Dra	V548 Cyg
1	0 33 67	0	0	0	0	0	0	0 66	0	0	0
2	0 33 67		20	68			78	33 99		82	81
3	0 34 67		40		5	6		66			
4	0 34 67	6	60	35			56	32 99		63	61
5	0 34 67		80		10	12		65			
6	0 34 67		99	3			34	31 98		45	42
7	1 34 67	13		71	15	18		64			
8	1 34 67		19				11	31 97		27	22
9	1 34 67		39	39	20	24	89	64			
10	1 34 68	19	59					30 96		9	3
11	1 34 68		79	6	26	30	67	63		90	83
12	1 34 68		99	74				29 96			
13	1 34 68	25			31	36	45	62	94	72	64
14	1 35 68		19	42				28 95			
15	1 35 68		39		36	42	23	61		54	44
16	1 35 68	32	58	10				28 94			
17	1 35 68		78	77	41	48	1	61		36	25
18	2 35 68		98				79	27 93			
19	2 35 68	38		45	46	54		60		17	5
20	2 35 68		18				56	26 93		99	86
21	2 35 69		38	13	51	60		59			
22	2 35 69	44	58	81			34	26 92		81	66
23	2 35 69		78		56	66		58			
24	2 35 69		98	48			12	25 91		62	47
25	2 36 69	51			61	72	90	58			
26	2 36 69		18	16				24 91	88	44	27
27	2 36 69		37	84	66	78	68	57			
28	2 36 69	57	57					23 90		26	8
29	3 36 69		77	51	71	84	46	56			88
30	3 36 69		97					23 89		8	
31	3 36 69	63		19	77	90	24	55		89	69
<b>Mi</b>											
1	7	-129	30	79	-59	77	71	28	-576	-1	83
2	10	-165	47	-2	-83	66	-5	50	-1088	-12	52
3	12	98	4	50	-11	-56	40	39	-6	96	-41
4	15	61	21	-31	-35	-66	-36	61	-518	85	-72
5	18	-182	18	-12	42	23	-12	50	-930	-7	-3
6	21	88	35	75	18	13	89	6	-147	-18	-34
7	23	-155	32	95	95	-103	-65	61	-559	71	35
8	26	-192	49	14	71	93	36	17	-1071	61	4
9	29	78	66	-67	48	82	-40	39	-289	50	-27
10	32	-166	63	-48	-81	-34	-17	28	-701	-42	42
11	1	-202	80	39	-104	-44	85	50	82	-53	11
12	4	-139	77	58	-28	45	-70	39	-330	36	80

**Gwiazdy zmienne zaćmieniowe (II – c.d.)**

Dz	V477 Cyg	V346 Aql	MY Cyg	V836 Cyg	EE Peg	EK Cep	CM Lac	RT Lac	ZZ Cep	SW Lac	RT And
1	0	0	0	0 65	0	0	0	0	0	0 32 64 96	0 63
2		11		31 96			60			28 60 92	26 89
3	35	21		61	63				14	25 57 89	52
4		32		27 92			21			21 53 85	14 77
5	69	43	1	57		43	81		28	17 49 81	40
6		53		23 88	26			7		13 45 77	3 66
7		64		53			42		43	9 41 74	29 92
8	4	74		19 84	88					6 38 70	55
9		85	1	49		86	2		57	2 34 66 98	18 80
10	39	96		15 80			63			30 62 94	43
11				45	51			15	71	26 58 90	6 69
12	73	6		11 76			23			23 55 87	32 95
13		17	2	41			84		85	19 51 83	58
14		28		7 72	14	28				15 47 79	21 84
15	8	38		38			44		99	11 43 75	47
16		49		3 68	77			22		7 39 72	9 72
17	43	60	2	34 99			5			4 36 68 100	35 98
18		70		64		71	65		13	32 64 96	61
19	78	81		30 95	40					28 60 92	24 87
20		91		60			26		28	24 56 88	50
21			3	26 91			86	29		21 53 85	13 75
22	12	2		56	3				42	17 49 81	38
23		13		22 87		14	47			13 45 77	1 64
24	47	23		52	65				56	9 41 73	27 90
25		34	3	18 83			7			5 37 70	53
26	82	45		48			68	37	70	2 34 66 98	16 79
27		55		14 79	28	57				30 62 94	41
28		66		44			28		84	26 58 90	4 67
29	16	77	4	10 75	91		88			22 54 87	30 93
30		87		40					99	19 51 83	56
31	51	98		6 71		99	49	44		15 47 79	19 82
<b>Mi</b>											
1	-89	45	-46	25	-62	-198	92	-349	-25	32	33
2	97	43	58	61	-8	-199	41	-405	88	11	15
3	-121	9	62	5	83	-342	-31	-161	72	1	45
4	65	7	-234	42	-126	-343	78	-217	-30	12	26
5	-119	-6	-30	47	28	-243	-33	-172	-31	27	45
6	67	-8	74	18	82	-244	76	-228	82	6	27
7	-117	90	-123	24	-27	-144	-35	-184	80	20	46
8	69	87	-18	60	27	-145	74	-240	-21	31	28
9	20	85	86	32	80	-145	23	-295	91	10	9
10	71	72	-111	37	-29	-46	72	-251	90	25	28
11	22	70	-6	8	25	-46	21	-307	-12	4	10
12	73	57	-203	14	-84	53	70	-263	-13	19	29