## Gwiazdy zmienne zaćmieniowe (I)

| Nazwa | $\alpha_{2000}$ | $\delta_{2000}$ | m | $A_1$ | $A_2$ | D | d | Minimum | Okres |
|---|---|---|---|---|---|---|---|---|---|
| | h m | ° ' | m | M | m | h | h | 2460… | d |
| **U Cep** | 1 02.2 | +81 52 | 6.8 | 2.3 | 0.1 | 9.6 | 2.3 | 312.88 | 2.4931 |
| **BX And** | 2 09.0 | +40 48 | 8.9 | 0.7 | 0.3 | W | | 310.94 | 0.6101 |
| **DO Cas** | 2 41.4 | +60 34 | 8.6 | 0.7 | 0.2 | β | | 310.76 | 0.6847 |
| **RZ Cas** | 2 48.9 | +69 38 | 6.2 | 1.5 | 0.1 | 4.8 | 0 | 311.53 | 1.1952 |
| **XY Cet** | 2 59.5 | +03 31 | 8.6 | 0.7 | 0.5 | 6.7 | 0 | 312.78 | 2.7807 |
| **β Per** | 3 08.2 | +40 57 | 2.1 | 1.3 | 0.1 | 9.6 | 0 | 310.80 | 2.8673 |
| **BF Aur** | 5 05.1 | +41 18 | 8.5 | 0.8 | 0.7 | β | | 311.00 | 1.5832 |
| **TT Aur** | 5 09.7 | +39 36 | 8.3 | 0.9 | 0.4 | β | | 311.36 | 1.3327 |
| **SX Aur** | 5 11.7 | +42 10 | 8.4 | 0.8 | 0.5 | β | | 311.41 | 1.2101 |
| **WW Aur** | 6 32.5 | +32 28 | 5.8 | 0.8 | 0.6 | 6.0 | 0 | 311.70 | 2.5250 |
| **YY CMi** | 8 06.6 | +01 56 | 8.3 | 0.8 | 0.6 | β | | 310.97 | 1.0940 |
| **SW Lyn** | 8 07.7 | +41 48 | 9.5 | 0.7 | 0.1 | 2.0 | | 310.87 | 0.6441 |
| **W UMa** | 9 43.8 | +55 57 | 7.9 | 0.7 | 0.7 | W | | 310.52 | 0.3336 |
| **TX UMa** | 10 45.4 | +45 34 | 7.1 | 1.7 | 0.1 | 9.4 | 0 | 311.58 | 3.0633 |
| **Al Dra** | 16 56.3 | +52 42 | 7.1 | 1.0 | 0.1 | 4.4 | 0 | 311.24 | 1.1988 |
| **U Oph** | 17 16.5 | +01 12 | 5.9 | 0.7 | 0.6 | 7.0 | 0 | 310.92 | 1.6774 |
| **u (68) Her** | 17 17.4 | +33 06 | 4.6 | 0.7 | 0.3 | | | 311.45 | 2.0510 |
| **TX Her** | 17 18.6 | +41 53 | 8.5 | 0.8 | 0.4 | 4.9 | 0 | 311.91 | 2.0598 |
| **RX Her** | 18 30.7 | +12 36 | 7.3 | 0.6 | 0.5 | 6.0 | 0.9 | 311.41 | 1.7786 |
| **RS Sct** | 18 49.2 | -10 14 | 8.6 | 1.2 | 0.3 | β | | 311.10 | 0.6642 |
| **β Lyr** | 18 50.1 | +33 22 | 3.3 | 0.9 | 0.5 | β | | 314.55 | 12.9437 |
| **BH Dra** | 19 03.7 | +57 28 | 8.4 | 0.9 | 0.2 | 7.0 | 0 | 311.08 | 1.8172 |
| **V548 Cyg** | 19 56.9 | +54 48 | 8.9 | 0.8 | 0.1 | β | | 311.89 | 1.8052 |
| **V477 Cyg** | 20 05.5 | +31 59 | 8.5 | 0.8 | 0.2 | 4.0 | 0.2 | 310.69 | 2.3470 |
| **V346 Aql** | 20 10.0 | +10 21 | 9.0 | 1.2 | 0.1 | 5.0 | 0 | 310.55 | 1.1064 |
| **MY Cyg** | 20 20.1 | +33 57 | 8.7 | 0.7 | 0.7 | 7.2 | | 313.89 | 4.0052 |
| **V836 Cyg** | 21 21.4 | +35 45 | 8.6 | 0.7 | 0.2 | β | | 310.63 | 0.6534 |
| **EE Peg** | 21 40.0 | +09 11 | 6.9 | 0.7 | 0.2 | 6.4 | 0 | 310.81 | 2.6282 |
| **EK Cep** | 21 41.4 | +69 42 | 8.0 | 1.3 | 0.1 | 6.4 | | 313.70 | 4.4278 |
| **CM Lac** | 22 00.1 | +44 33 | 8.5 | 1.0 | 0.3 | 4.0 | 0 | 310.83 | 1.6047 |
| **RT Lac** | 22 01.5 | +43 53 | 8.8 | 1.1 | 0.8 | β | | 312.87 | 5.0736 |
| **ZZ Cep** | 22 45.0 | +68 08 | 8.6 | 1.0 | 0.1 | 5.1 | 0 | 312.44 | 2.1418 |
| **SW Lac** | 22 53.7 | +37 56 | 8.5 | 0.8 | 0.8 | W | | 310.64 | 0.3207 |
| **RT And** | 23 11.1 | +53 01 | 8.9 | 0.9 | 0.3 | 2.6 | 0 | 311.02 | 0.6289 |

## Gwiazdy zmienne zaćmieniowe (II)

| Dz | U Cep | BX And | DO Cas | RZ Cas | XY Cet | β 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 | 90 | | | 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 69 |
| **29** | | 6 67 | 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 |
| **Mi** | | | | | | | | | | | | |
| **1** | -11 | 44 | 26 | -17 | -50 | 30 | 50 | 86 | 91 | -133 | 47 | 37 |
| **2** | -119 | 55 | 7 | -9 | -92 | 84 | -42 | 52 | 16 | 50 | 10 | 28 |
| **3** | -28 | 23 | 51 | 79 | 67 | 51 | 66 | 84 | 20 | -73 | 64 | 26 |
| **4** | -136 | 35 | 32 | 87 | 26 | -181 | -26 | 49 | 66 | -142 | 27 | 18 |
| **5** | -144 | 24 | 44 | 75 | 85 | -27 | -18 | -19 | 91 | -112 | 91 | 45 |
| **6** | -3 | 36 | 25 | 82 | 44 | 27 | 49 | 79 | 17 | 70 | 54 | 37 |
| **7** | -12 | 25 | 38 | 70 | -176 | -106 | 57 | 12 | 42 | -152 | 8 | 64 |
| **8** | -120 | 37 | 19 | 78 | 61 | -52 | -35 | -23 | 88 | 30 | 81 | 55 |
| **9** | 21 | 48 | 68 | 86 | 20 | 2 | 32 | 75 | 13 | -40 | 44 | 47 |
| **10** | 13 | 38 | 12 | 74 | 79 | -130 | 40 | 7 | 39 | -10 | -2 | 9 |
| **11** | -95 | 49 | 62 | 81 | 37 | -76 | -52 | -27 | 85 | -80 | 70 | 1 |
| **12** | -104 | 39 | 6 | 69 | 96 | 78 | -44 | 38 | -11 | -50 | 24 | 28 |

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

| Dz | W UMa | | | TX UMa | Al Dra | U Oph | u (68) Her | TX Her | RX Her | RS Sct | | β 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 | 89 | 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 |
| **Mi** | | | | | | | | | | | | | | |
| **1** | | | 2 | -198 | 74 | 42 | 95 | -65 | 91 | | 60 | -889 | 58 | -41 |
| **2** | | | 5 | 71 | 91 | -39 | 71 | -76 | 15 | | 15 | -106 | 47 | -72 |
| **3** | | | 7 | -72 | 69 | 80 | 42 | -92 | -40 | | 38 | -417 | 55 | 97 |
| **4** | | | 10 | -108 | 85 | -0 | 19 | -102 | 62 | | 60 | -929 | 44 | 66 |
| **5** | | | 13 | -45 | 83 | 19 | 96 | -13 | 85 | | 49 | -46 | -48 | -46 |
| **6** | | | 15 | -82 | 99 | -62 | 72 | -23 | 9 | | 4 | -557 | -59 | -77 |
| **7** | | | 18 | -18 | 97 | -43 | -56 | 67 | 33 | | 60 | -968 | 30 | -8 |
| **8** | | | 21 | -55 | -6 | 44 | -80 | 57 | -44 | | 15 | -185 | 20 | -39 |
| **9** | | | 24 | -92 | 11 | -36 | -103 | 46 | 58 | | 37 | -696 | 9 | -70 |
| **10** | | | 26 | -28 | 8 | -17 | -27 | -70 | 81 | | 26 | -1107 | 98 | -2 |
| **11** | | | 29 | -65 | 24 | 70 | -50 | -80 | 5 | | 48 | -324 | 88 | -33 |
| **12** | | | 32 | -2 | 22 | 89 | 26 | 9 | 28 | | 37 | -736 | -5 | 36 |

## 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 | 24 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 73 | 29 92 |
| **8** | 4 | 74 | | 19 84 | 88 | | | | | 6 38 70 | 55 |
| **9** | | 85 | 1 | 49 | | 86 | 2 | | 57 | 2 34 66 98 | 18 81 |
| **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 | | | 22 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 71 | 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 | | 20 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 69 | 53 |
| **26** | 82 | 45 | | 48 | | | 68 | 37 | 70 | 2 34 66 98 | 16 79 |
| **27** | | 55 | | 14 79 | 28 | 57 | | | | 30 62 94 | 42 |
| **28** | | 66 | | 44 | | | 28 | | 84 | 26 58 90 | 4 67 |
| **29** | 16 | 77 | 4 | 10 75 | 91 | | 88 | | | 22 54 86 | 30 93 |
| **30** | | 87 | | 40 | | | | | 99 | 18 51 83 | 56 |
| **31** | 51 | 98 | | 6 71 | | 99 | 49 | 44 | | 15 47 79 | 19 82 |
| **Mi** | | | | | | | | | | | |
| **1** | 19 | 5 | -62 | 13 | 31 | -122 | 33 | -271 | -20 | 14 | 52 |
| **2** | -30 | 2 | 42 | 50 | 85 | -123 | -19 | -327 | 93 | 25 | 34 |
| **3** | -113 | 89 | -54 | 25 | 76 | 77 | -30 | -182 | -23 | 12 | 27 |
| **4** | 73 | 87 | 50 | 61 | -133 | 76 | 79 | -238 | 90 | 23 | 8 |
| **5** | -111 | 74 | -146 | 2 | 21 | -267 | -32 | -194 | 89 | 5 | 27 |
| **6** | 75 | 72 | -42 | 38 | 75 | -268 | 77 | -250 | -13 | 16 | 9 |
| **7** | -109 | 59 | -239 | 44 | -34 | -168 | -34 | -206 | -14 | 31 | 28 |
| **8** | 77 | 57 | -134 | 15 | 20 | -169 | 75 | -261 | 98 | 10 | 10 |
| **9** | 28 | 55 | -30 | 51 | 74 | -170 | 24 | -317 | -3 | 21 | 54 |
| **10** | 79 | 42 | -227 | 57 | -35 | -70 | 73 | -273 | -5 | 3 | 10 |
| **11** | 30 | 40 | -123 | 28 | 19 | -71 | 22 | -329 | -106 | 14 | 55 |
| **12** | 81 | 27 | 82 | 34 | -90 | 29 | 71 | -285 | -108 | 29 | 11 |