

B U L L E T I N

pro pozorování Slunce

za rok 2017

Vydává sluneční sekce ČAS ve spolupráci
s hvězdárnou Františka Pešty v Sezimově Ústí

Obracíme se na všechny hvězdárny, astronomické kroužky i jednotlivé pozorovatele – amatéry, kteří se zabývají sledováním sluneční činnosti s prosbou, aby zasílali protokoly o výsledcích svých pozorování (a to i negativních) pravidelně, nejpozději do 10. dne následujícího měsíce na následující adresu:

Hvězdárna Františka Pešty

Ke Hvězdárně 667

391 02 Sezimovo Ústí,

email: slunce@hvezdarna-fp.cz nebo feikslunce@centrum.cz

webová stránka <http://slunce.astro.cz>

<http://www.asu.cas.cz/~sunwatch/cs/> - i zde budou zveřejněny výsledky Česlopolu.

V následující zprávě podáváme přehled výsledků redukce pozorování Slunce pozorovacích stanic, kteří spolupracují se Sluneční sekci ČAS a s Hvězdárnou Františka Pešty v Sezimově Ústí na jejich programu pozorování sluneční fotosféry. Bulletin obsahuje výsledky zpracování pozorovacích protokolů, z nichž je patrné, jak se příslušná pozorovací stanice podílela v daný den na pozorování.

Výsledky jsou obsaženy v tabulkovém přehledu, k jehož obsahu uvádíme potřebné vysvětlivky na straně 39 a pro větší názornost jsou doplněny grafy.

V roce 2017 pozorovalo sluneční fotosféru 65 pozorovatelů na 23 stanicích (z toho v ČR – 8, SR – 14 a v Polsku 1). Bylo získáno celkem **3772** kreseb sluneční fotosféry. Ve srovnání s rokem 2016 je to o 110 kreseb více. Kresby sluneční fotosféry byly pořízeny v 358 dnech, tj. pokrývají 98,1% z celkového počtu 365 dnů roku. Na jeden pozorovací den tak připadá v průměru 10,5 kreseb. Kresby chybí pro následující dny: únor - 1, 6; říjen - 23; listopad - 8, 17, 30; prosinec - 25. Pozorovatelé zaznamenali 74 nulových dní. V roce 2017 magickou třístovku nikdo nepokořil. Více jak 200 pozorování bylo uskutečněno na 9 stanicích, více jak 100 pozorování pak na 11 stanicích a méně jak 100 pozorování uskutečnilo 3 stanic - i těm patří velké uznání a díky. Podle počtu pozorování se stanice umístily v následujícím pořadí: Hurbanovo (291), Medlov-Hlivice - Konečný (285), Prievidza (283), Žilina (251), Krosno-Zagrodnik (217), Humenné (214), Sezimovo Ústí (211), Praha - Petřín (207), Nedež - Molnár (202), Rimavská Sobota (174), Brno - Číhal (156), Hlohovec (155), Brno - Perdoch (151), Kysucké Nové Město (150), Košice (138), Ondřejov (133), Žiar nad Hronom (124), Michalovce (120), Prostějov (116), Prešov (102).

V letošním roce skončila pozorovací stanice Rožňava a Roztoky.

A začala pozorovat nová stanice Nedež p. Molnár ze Slovenska.

Dále se na chvíli odmlčela stanice Polička, která od srpna přestěhovává dalekohledy do nového pozorovacího místa.



obr.1

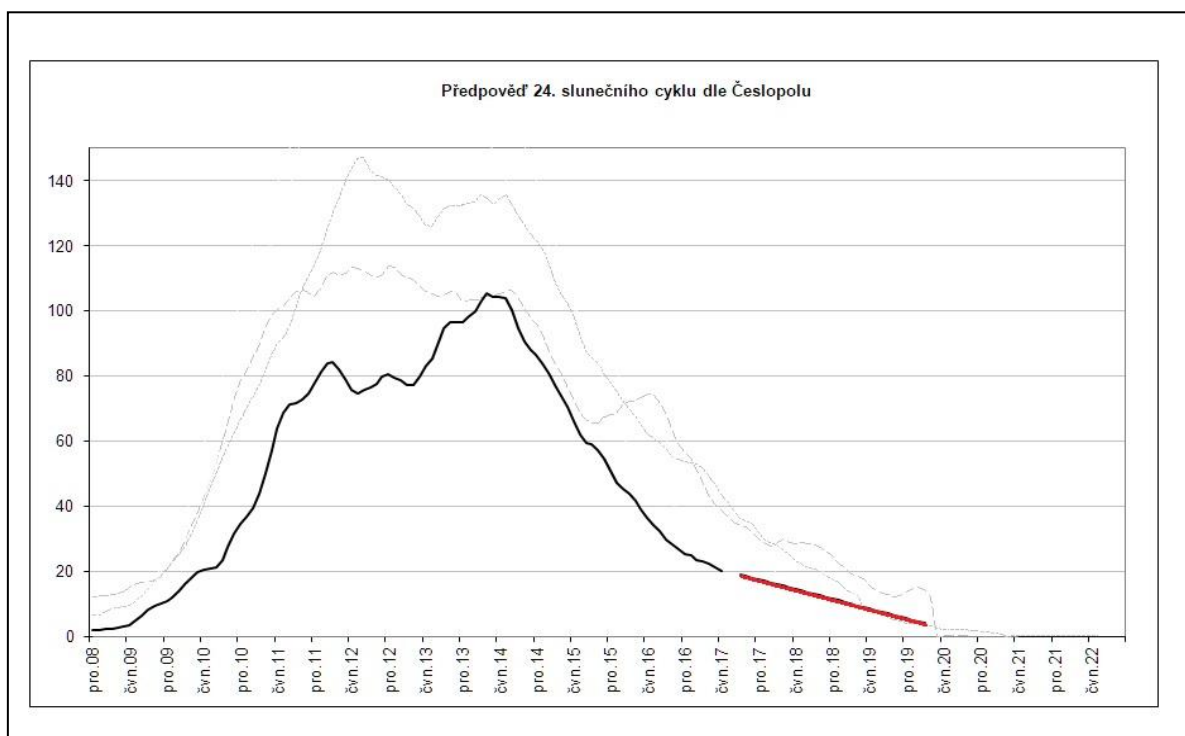
V bulletinu roce 2010 jsem vytvořil graf na předpověď 24. slunečního cyklu. Z počátku se vývoj sluneční aktivity tvářil, že bude kopírovat nízkou sluneční aktivitu do hodnoty 77,4, ale i tak bylo patrné, že tento cyklus bude doopravdy nízký, popřípadě středně nízký. Na konec se ukázalo, že sluneční aktivita si zahrává se všemi pozorovateli a hlavně se širokou veřejností, kteří jsou netrpěliví a stále volající o průběhu 24. cyklu a i jeho konci.

Drobná charakteristika:

24. cyklus začal 12/2008 na hodnotě R_m 1,8

maximum dosáhla v roce 4/2014 na hodnotě R_M 105,4 za 5,4 let, tím jí řadím do středně nízké sluneční aktivity.

Dle mého délka cyklu bude okolo 11,1 až 11,7 let (je to odvážné, ale Slunce nám to řekne samo).



obr.2

Seznam pozorovacích míst a pozorovatelů (seřazeno dle evidenčního čísla pozorovací stanice):

| | | | |
|--------|-------------------------|-------------|---|
| SL 01 | ČR – Praha – Petřín | hvězdárna | Walter, Frenzl, Horká, Nevyhodnotil, Mokřý, Borková, Novotný, Hladík, Najser, Hulová, Křížová, Malínek, Chochole, Žižka, Ondrák, Tuburec, Šimek, Poddaný, Černožský, Kyachová |
| SL 14 | SK – Prešov | hvezdáreň | Kolivoška, Tomčík, Kalivošková, Sadiv, Rázga |
| SL 65 | SK – Humenné | hvezdáreň | Gojdiš, Maturkanič, Mikloš |
| SL 77 | SK – SÚH Hurbanovo | hvezdáreň | Pastorek, Hodalová, Čalfa |
| SL 80 | SK – Banská Bystrica | hvezdáreň | Harman, Zimnikovalová, Gerboš, Zimnikoval, Kamianský |
| SL 85 | SK - Žilina | hvezdáreň | Pogányová, Šiser, Znášik |
| SL 86 | SK – Hlohovec | hvezdáreň | Karlovský, Karlovský Ján |
| SL 89 | SK – Žiar nad Hronom | hvezdáreň | Váňa |
| SL 90 | ČR – Medlov-Hlivice | soukr. poz. | Konečný |
| SL 92 | SK – Rimavská Sobota | hvezdáreň | Rapavá, Kerekešová |
| SL 97 | ČR – Sezimovo Ústí | hvězdárna | Feik, Soldát |
| SL 98 | ČR – AsÚ AVČR Ondřejov | hvězdárna | Exnerová, Kolář, Blaha |
| SL 116 | SK – Kysucké Nové Mesto | hvezdáreň | Mäsiar, Neubauerová, Sucháňová, Vlčková |
| SL 118 | ČR – Prostějov | hvězdárna | Černohousová |
| SL 120 | SK – Michalovce | hvezdáreň | Komárek, Jakubcová, Parnahaj |
| SL 125 | SK – Prievidza | astro. kr. | Šovčík |
| SL 127 | POL – Krosno | soukr. poz. | Zagrodnik |
| SL 141 | ČR – Polička | soukr. poz. | Ehrenberger |
| SL 142 | ČR – Brno | soukr. poz. | Číhal |
| SL 144 | SK - Prešov | soukr. poz. | Gajdoš |
| SL 146 | SK - Košice | astro. kr. | Kaňuk |
| SL 147 | ČR - Hlučín, Brno | soukr. poz. | Perdoch |
| SL 149 | SK - Nedeď | soukr. poz. | Molnár |
| | | | |

Pozorovací protokol za měsíc Leden (January)

| 1. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 0 | | 0 | | 11 | | | | 0 | | | | | 0 | | | | | | |
| .2 | | | | 12 | 0 | | | | | | | | | | | | | | | |
| .3 | 0 | | 11 | | | | | | | | | | | 0 | | | | | | |
| .4 | 0 | | | | | | 0 | | | | | 0 | | | | | | | | |
| .5 | 0 | | 0 | | 0 | | 0 | | 0 | | | 0 | | | | | | | | |
| .6 | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | 0 | | 0 | | | | | | 0 |
| .7 | | | 0 | | 0 | | 0 | | 0 | | | | | 0 | | 0 | | | | 0 |
| .8 | | | 0 | | 0 | | 0 | | | | | | | | | | | | | 0 |
| .9 | | | 0 | | 0 | 0 | 0 | 0 | | | 0 | | | | | | | | 0 | |
| .10 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| .11 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| .12 | | | 11 | | | | 11 | 11 | 0 | | | 0 | | | | | | | 11 | |
| .13 | | | | | 13 | | | | | | | | | | | | | | | |
| .14 | 23 | | 25 | | 25 | 23 | | | 23 | | | | | | | | | | | |
| .15 | 23 | | 23 | | 23 | 23 | 24 | | 23 | | | 25 | | 24 | | 25 | | | | |
| .16 | | | 23 | | 23 | 23 | | | | | | | 26 | 23 | | | | | | 25 |
| .17 | 25 | | 31 | | 27 | 24 | 24 | 31 | 25 | | | | 34 | | | | | 24 | | 34 |
| .18 | 29 | | 29 | | 37 | 29 | 28 | 34 | 28 | | | 28 | 31 | | | 24 | | | 26 | 30 |
| .19 | 27 | 53 | 31 | | 28 | 24 | 28 | 50 | 23 | | 49 | 24 | 31 | | | | 29 | 33 | 31 | |
| .20 | | | 55 | | 48 | 55 | 41 | 52 | | | | | | | | 38 | | | | 61 |
| .21 | 60 | | 76 | | 59 | 61 | 73 | | | | | | | | 57 | 62 | | 80 | | |
| .22 | 50 | | 70 | | 55 | | | | 54 | 62 | | | | | | 49 | | | | 71 |
| .23 | 46 | | 34 | | 45 | | 46 | 52 | | | 58 | 46 | 51 | 52 | | | | | | 53 |
| .24 | | 40 | | | | | 49 | | | | | | 36 | | | | | | | 50 |
| .25 | | | | | 40 | | | | | | | | | | | | | | | 33 |
| .26 | 36 | 41 | 37 | | 33 | | | 52 | 29 | | 53 | | 34 | 37 | | | | | 41 | 32 |
| .27 | 26 | 33 | 31 | | 25 | 24 | 33 | 31 | 30 | 25 | 27 | 24 | | 24 | | 23 | | | 32 | |
| .28 | | 33 | | | 27 | | | | | | | | | | | | | | | 29 |
| .29 | | | | | 36 | | | | 27 | | | | | 25 | | | | | | 26 |
| .30 | 13 | 33 | | | 23 | | 36 | 35 | 22 | 22 | 33 | | 25 | 34 | | | | 23 | 29 | 23 |
| .31 | | | | | 24 | | | | | | 41 | | | 24 | | | | | | |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| 1. | 0 | | | | | | | | | | | | | | | | | | | |
| 2. | 0 | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | |
| 5. | 0 | | | | | | | | | | | | | | | | | | | |
| 6. | 0 | | | | | | | | | | | | | | | | | | | |
| 7. | 0 | | | | | | | | | | | | | | | | | | | |
| 8. | 0 | | | | | | | | | | | | | | | | | | | |
| 9. | 0 | | | | | | | | | | | | | | | | | | | |
| 10. | 0 | | | | | | | | | | | | | | | | | | | |
| 11. | 0 | | | | | | | | | | | | | | | | | | | |
| 12. | 0 | | | | | | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | | | | | | | |
| 14. | 29 | | | | | | | | | | | | | | | | | | | |
| 15. | 32 | | | | | | | | | | | | | | | | | | | |
| 16. | 27 | | | | | | | | | | | | | | | | | | | |
| 17. | 30 | | | | | | | | | | | | | | | | | | | |
| 18. | 32 | 32 | | | | | | | | | | | | | | | | | | |
| 19. | 27 | 40 | | | | | | | | | | | | | | | | | | |
| 20. | 64 | 60 | | | | | | | | | | | | | | | | | | |
| 21. | 70 | 79 | | | | | | | | | | | | | | | | | | |
| 22. | 60 | 79 | | | | | | | | | | | | | | | | | | |
| 23. | 73 | | | | | | | | | | | | | | | | | | | |
| 24. | 69 | | | | | | | | | | | | | | | | | | | |
| 25. | | | | | | | | | | | | | | | | | | | | |
| 26. | 47 | | | | | | | | | | | | | | | | | | | |
| 27. | 45 | | | | | | | | | | | | | | | | | | | |
| 28. | 40 | | | | | | | | | | | | | | | | | | | |
| 29. | 36 | | | | | | | | | | | | | | | | | | | |
| 30. | 20 | | | | | | | | | | | | | | | | | | | |
| 31. | 39 | | | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Únor (February)

| 2. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| .1 | | | | | | | | | | | | | | | | | | | | | |
| .2 | | | | | | | | | 24 | | | | | 46 | | | | | | | |
| .3 | | | | | | | | | 24 | | | | | | | | | | | | |
| .4 | 0 | | | | | 13 | | | 0 | | | | | | | | | | | | |
| .5 | 0 | | 13 | | | | | | 0 | 24 | | | | | | | | | | | |
| .6 | | | | | | | | | | | | | | | | | | | | | |
| .7 | | | | | | | | 11 | | | | | | | | | | | | 15 | |
| .8 | | | | | | | | | | | | | | | | 11 | | | | | |
| .9 | | | | | | | | 0 | | | | 16 | | | | | | | | 18 | |
| .10 | | | 22 | | 14 | | 14 | | | | 17 | | 18 | 16 | | | | | 20 | 19 | |
| .11 | | | 19 | | 16 | | | | | | | | | 15 | | | 18 | 21 | | | 18 |
| .12 | | | 21 | | 22 | | 18 | | | | | | | 16 | | | | | | | 16 |
| .13 | | 15 | 17 | | 15 | 14 | 16 | | 17 | 16 | 19 | 15 | 17 | 16 | | | | | | | 16 |
| .14 | 24 | | 15 | | 12 | 13 | 16 | | 13 | 15 | 28 | 14 | | 13 | | | | | | | |
| .15 | 22 | 23 | 23 | | 23 | 22 | 24 | | 23 | 23 | 24 | 24 | | 22 | | | | | | | 24 |
| .16 | 11 | | 11 | | 11 | | 11 | | 12 | 13 | 12 | 0 | | 11 | | | | | | | |
| .17 | 17 | | | | | | | | 12 | | | | | 12 | | | | | | | |
| .18 | | | 11 | | | | 13 | | 0 | | | | | | | 11 | | | | | |
| .19 | 11 | | | | | | | | 11 | | | | | | | 23 | | | | | 12 |
| .20 | 23 | | 26 | | | | 26 | | | | | | | 22 | | | | | | | |
| .21 | 21 | | | | | | 17 | | 28 | | | | | | | 11 | | | | | |
| .22 | | | | | | | | 19 | | | | | | 15 | | | | | | | |
| .23 | | | 18 | | | | 17 | | 24 | | | | | | | | | 20 | | | |
| .24 | 29 | | | | | | 16 | | 24 | 29 | | | | 14 | | | | | | | |
| .25 | 26 | 33 | 36 | | 26 | | 28 | | 24 | | | | | 24 | | | | | 31 | | 23 |
| .26 | 36 | | 37 | | | | | | | | | | | | | | | | | | 23 |
| .27 | 39 | 32 | 42 | 37 | 37 | 25 | 39 | | 24 | 28 | 61 | 28 | 42 | 36 | | | | | 55 | 41 | 51 |
| .28 | | | | | 38 | | 47 | 102 | 42 | | 49 | | 46 | 37 | | | | | 48 | 48 | 48 |
| .29 | | | | | | | | | | | | | | | | | | | | | |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | | |
| .1 | | | | | | | | | | | | | | | | | | | | | |
| .2 | | | | | | | | | | | | | | | | | | | | | |
| .3 | 39 | | | | | | | | | | | | | | | | | | | | |
| .4 | | | | | | | | | | | | | | | | | | | | | |
| .5 | 19 | 12 | | | | | | | | | | | | | | | | | | | |
| .6 | | | | | | | | | | | | | | | | | | | | | |
| .7 | 12 | | | | | | | | | | | | | | | | | | | | |
| .8 | | | | | | | | | | | | | | | | | | | | | |
| .9 | 39 | | | | | | | | | | | | | | | | | | | | |
| .10 | | | | | | | | | | | | | | | | | | | | | |
| .11 | 19 | | | | | | | | | | | | | | | | | | | | |
| .12 | 23 | 20 | 17 | | | | | | | | | | | | | | | | | | |
| .13 | 22 | 17 | | | | | | | | | | | | | | | | | | | |
| .14 | 15 | 15 | 13 | | | | | | | | | | | | | | | | | | |
| .15 | 26 | 24 | | | | | | | | | | | | | | | | | | | |
| .16 | 24 | | | | | | | | | | | | | | | | | | | | |
| .17 | | | | | | | | | | | | | | | | | | | | | |
| .18 | | | | | | | | | | | | | | | | | | | | | |
| .19 | 12 | | | | | | | | | | | | | | | | | | | | |
| .20 | | | | | | | | | | | | | | | | | | | | | |
| .21 | | | | | | | | | | | | | | | | | | | | | |
| .22 | | | | | | | | | | | | | | | | | | | | | |
| .23 | 31 | | | | | | | | | | | | | | | | | | | | |
| .24 | 15 | | | | | | | | | | | | | | | | | | | | |
| .25 | 32 | 40 | | | | | | | | | | | | | | | | | | | |
| .26 | | | | | | | | | | | | | | | | | | | | | |
| .27 | 49 | | | | | | | | | | | | | | | | | | | | |
| .28 | 30 | | | | | | | | | | | | | | | | | | | | |
| .29 | | | | | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Březen (March)

| 3. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 40 | | | | 39 | | 44 | | 56 | | 46 | | | 38 | | 11 | | | 48 | |
| .2 | 45 | 48 | 54 | | 42 | | 45 | | 54 | | 62 | 29 | | 33 | | 11 | | 46 | 58 | 53 |
| .3 | 38 | | 51 | | 24 | 53 | 49 | 22 | 23 | 39 | 43 | 25 | 54 | 0 | | 0 | 26 | 55 | 58 | 39 |
| .4 | 0 | | 0 | | 0 | 14 | 0 | | 0 | 0 | | | | 0 | 0 | | | | | 0 |
| .5 | 11 | | 0 | | 11 | | 0 | | 0 | | | | | | | | | | | 0 |
| .6 | 0 | | 0 | | 0 | 0 | 0 | 23 | | | | | | 0 | | | | | | 0 |
| .7 | | 0 | 0 | | | 0 | 0 | 11 | | | | | 0 | | | 0 | | | 0 | 0 |
| .8 | | | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | | 0 | | | 0 | |
| .9 | 0 | | 0 | | | 0 | 0 | | | | | | | | | | | | | |
| .10 | 0 | | | | | | 0 | | | | | | | 0 | | | | | | 0 |
| .11 | 0 | | 0 | | 0 | 0 | 0 | | 0 | 0 | | | | | | 0 | | | | 0 |
| .12 | 0 | | 0 | | 0 | | 0 | | 0 | | | | | | | | | | | |
| .13 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | | 0 | 0 | 0 |
| .14 | | | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| .15 | 0 | | | | | | 0 | 0 | 0 | | | | | | | | | | | |
| .16 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | | | 0 | |
| .17 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | |
| .18 | | | | | | | 0 | | | | | | | | | | | | | |
| .19 | | | 0 | | 0 | | 0 | | | | | | | 0 | | | | | | 0 |
| .20 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | | | 0 | 0 | |
| .21 | | | 12 | | 0 | 11 | 11 | | | | 0 | | | 0 | | | | | | |
| .22 | | | 13 | | | 12 | | 12 | | | | | 12 | | | | | 13 | | |
| .23 | | | 24 | 15 | 11 | 11 | 11 | 12 | | | 13 | | | 12 | | | | 12 | 12 | 13 |
| .24 | 12 | | 12 | | 11 | 11 | 12 | 12 | | | | | 12 | | | | | 12 | 12 | |
| .25 | | | 12 | 12 | 23 | | 12 | | 11 | | | | | | | 0 | | 23 | | 0 |
| .26 | 19 | | 32 | | 30 | | 18 | 21 | 27 | | | | | 19 | | 14 | | | | 20 |
| .27 | | 51 | 51 | | 46 | 42 | 35 | 60 | 34 | 34 | 63 | | 54 | 46 | | | | 66 | 53 | 45 |
| .28 | 51 | 65 | 56 | | 46 | 50 | 37 | 59 | 51 | 51 | | 47 | 61 | 35 | | 40 | | 74 | 63 | |
| .29 | 44 | 53 | 41 | | 40 | 35 | 38 | 56 | 37 | 46 | 43 | | 48 | 31 | | 40 | | 65 | 44 | 58 |
| .30 | 49 | | 45 | | 42 | 33 | 37 | 46 | 38 | | 44 | | 47 | 37 | | | | 57 | | 44 |
| .31 | 56 | | 61 | | 55 | 49 | 42 | 62 | 41 | 47 | 77 | | 63 | 39 | | | | | 60 | 56 |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | | | | | | | | | | | | | | | | | | | | |
| .2 | 54 | | 38 | | | | | | | | | | | | | | | | | |
| .3 | 19 | 39 | 0 | | | | | | | | | | | | | | | | | |
| .4 | 12 | | 0 | | | | | | | | | | | | | | | | | |
| .5 | | | | | | | | | | | | | | | | | | | | |
| .6 | 12 | | | | | | | | | | | | | | | | | | | |
| .7 | | | | | | | | | | | | | | | | | | | | |
| .8 | 0 | | 11 | | | | | | | | | | | | | | | | | |
| .9 | | | | | | | | | | | | | | | | | | | | |
| .10 | | | | | | | | | | | | | | | | | | | | |
| .11 | 0 | | | | | | | | | | | | | | | | | | | |
| .12 | 0 | | | | | | | | | | | | | | | | | | | |
| .13 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .14 | 0 | | | | | | | | | | | | | | | | | | | |
| .15 | 0 | | | | | | | | | | | | | | | | | | | |
| .16 | 0 | | | | | | | | | | | | | | | | | | | |
| .17 | 0 | | | | | | | | | | | | | | | | | | | |
| .18 | | | | | | | | | | | | | | | | | | | | |
| .19 | 0 | | | | | | | | | | | | | | | | | | | |
| .20 | 0 | | | | | | | | | | | | | | | | | | | |
| .21 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .22 | | | | | | | | | | | | | | | | | | | | |
| .23 | 19 | | | | | | | | | | | | | | | | | | | |
| .24 | 16 | 13 | 11 | | | | | | | | | | | | | | | | | |
| .25 | 14 | | | | | | | | | | | | | | | | | | | |
| .26 | 34 | 34 | 24 | | | | | | | | | | | | | | | | | |
| .27 | 45 | 52 | 47 | | | | | | | | | | | | | | | | | |
| .28 | 60 | 60 | 34 | | | | | | | | | | | | | | | | | |
| .29 | 49 | | 35 | | | | | | | | | | | | | | | | | |
| .30 | 50 | | | | | | | | | | | | | | | | | | | |
| .31 | 50 | 74 | | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Duben (April)

| 4. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 57 | 83 | 60 | 81 | 67 | | 45 | | 43 | 75 | 74 | | | 45 | 44 | | | | | 55 |
| .2 | | | 91 | | 86 | | 72 | | 56 | 81 | | | | 40 | | 64 | | | | 69 |
| .3 | | 126 | 95 | | 79 | 82 | 62 | 106 | | | 102 | 90 | 100 | 70 | | | | 128 | 105 | 92 |
| .4 | 73 | | 90 | | 78 | 57 | 57 | 62 | 54 | | | 59 | 80 | 55 | | | | 86 | 93 | 72 |
| .5 | 52 | | | | 46 | 35 | 51 | | | | 43 | 37 | | 35 | | | | | | 45 |
| .6 | 39 | | 35 | 44 | 38 | 31 | 33 | | | | 41 | | | 31 | | 33 | | | | |
| .7 | | | | | | | | | | | | | | | | | | | | |
| .8 | 0 | | 0 | 0 | 0 | 0 | 12 | | 0 | | | | | 0 | | 0 | | | | 0 |
| .9 | 0 | | 0 | | 11 | | 0 | | 11 | | | 0 | | 0 | | 0 | | | | 0 |
| .10 | 13 | 12 | 12 | | 11 | 12 | 12 | 12 | 11 | 13 | 13 | 11 | 13 | 11 | | 0 | | 13 | 13 | 11 |
| .11 | 13 | | 12 | | 12 | 11 | 12 | 13 | 14 | | | | | 11 | | | | | | |
| .12 | | 12 | 14 | | | | | | | | | | 14 | 11 | | | | 13 | 13 | 14 |
| .13 | 12 | | 27 | | | | 12 | | | | 16 | | | 12 | | 0 | | | | |
| .14 | 11 | | 11 | 23 | 11 | | 11 | | 11 | 12 | | | | | | | | | | 11 |
| .15 | 0 | | 0 | | | | 0 | | | | | | | | | | | | | 0 |
| .16 | | | 0 | | | | 0 | | 0 | | | | | | | 0 | | | | 0 |
| .17 | | | 0 | | 0 | | 0 | | | | | | | | | | | | | 0 |
| .18 | | | 24 | | | | 12 | | | | | 14 | | | | | | | 25 | |
| .19 | 15 | | | | | | | | | | | | | | | | | | | |
| .20 | 28 | | | | | | 14 | | 16 | | | | | | | | | | | |
| .21 | 38 | 24 | 39 | 27 | 39 | 40 | 33 | | 35 | | 39 | | 40 | | 14 | | | | 39 | 40 |
| .22 | 27 | | | | | | 28 | | | | | | | | | | | | | 28 |
| .23 | 29 | | 42 | | 40 | | 27 | | 40 | | | | | | 29 | | | | | 26 |
| .24 | 44 | 44 | 47 | 45 | 45 | 46 | 44 | 47 | 41 | 44 | 43 | 33 | 48 | | 28 | | 49 | 49 | 44 | 44 |
| .25 | 36 | 37 | 51 | | 38 | 38 | 39 | | | | 46 | | | | | | | | 49 | 35 |
| .26 | | | 39 | | 34 | | | 25 | | | | | | | | | | | | |
| .27 | | | 25 | | | | | | | | | | | | | | | | | |
| .28 | | | | | | | | | | | | | | | | | | | | 36 |
| .29 | 22 | | 34 | 35 | 35 | | 34 | | | 23 | | | | | | 22 | | | | |
| .30 | 22 | | 22 | | 22 | 11 | 23 | | 11 | | | | | | | 22 | | | | 22 |
| | | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | |
| .1 | | 63 | | | | | | | | | | | | | | | | | | |
| .2 | | 100 | | | | | | | | | | | | | | | | | | |
| .3 | | 122 | 116 | 72 | | | | | | | | | | | | | | | | |
| .4 | | 96 | 86 | 69 | | | | | | | | | | | | | | | | |
| .5 | | 69 | | | | | | | | | | | | | | | | | | |
| .6 | | 59 | | 36 | | | | | | | | | | | | | | | | |
| .7 | | 37 | | | | | | | | | | | | | | | | | | |
| .8 | | 15 | | | | | | | | | | | | | | | | | | |
| .9 | | 12 | 12 | 0 | | | | | | | | | | | | | | | | |
| .10 | | 14 | | 11 | | | | | | | | | | | | | | | | |
| .11 | | 17 | | 11 | | | | | | | | | | | | | | | | |
| .12 | | 13 | 13 | | | | | | | | | | | | | | | | | |
| .13 | | 16 | | | | | | | | | | | | | | | | | | |
| .14 | | 14 | 13 | | | | | | | | | | | | | | | | | |
| .15 | | 11 | | | | | | | | | | | | | | | | | | |
| .16 | | 11 | | | | | | | | | | | | | | | | | | |
| .17 | | 0 | | | | | | | | | | | | | | | | | | |
| .18 | | 17 | | 12 | | | | | | | | | | | | | | | | |
| .19 | | | | | | | | | | | | | | | | | | | | |
| .20 | | 13 | | | | | | | | | | | | | | | | | | |
| .21 | | 48 | 45 | 27 | | | | | | | | | | | | | | | | |
| .22 | | 37 | | | | | | | | | | | | | | | | | | |
| .23 | | 35 | 48 | 25 | | | | | | | | | | | | | | | | |
| .24 | | 41 | 46 | 37 | | | | | | | | | | | | | | | | |
| .25 | | 50 | 44 | 24 | | | | | | | | | | | | | | | | |
| .26 | | 43 | | | | | | | | | | | | | | | | | | |
| .27 | | | | | | | | | | | | | | | | | | | | |
| .28 | | | | | | | | | | | | | | | | | | | | |
| .29 | | 31 | | | | | | | | | | | | | | | | | | |
| .30 | | 22 | 25 | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Květen (May)

| 5. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | | | 11 | 11 | 12 | | 11 | | 11 | 0 | 23 | | | 11 | | 11 | | | | 12 |
| .2 | 18 | 27 | 31 | | 29 | 14 | 0 | | 31 | 0 | | 17 | 32 | | | | | | 29 | 30 |
| .3 | 14 | 17 | | | 16 | 16 | 16 | | 17 | 0 | | | 19 | 14 | | | | 21 | | 17 |
| .4 | 12 | | 17 | | 15 | 16 | 14 | 33 | | | | | | 13 | | | | 35 | 18 | |
| .5 | | | 33 | | 32 | | 28 | 30 | | | 30 | 29 | | | | | | | | 29 |
| .6 | 11 | | 29 | 30 | 27 | 24 | 27 | | 22 | | | | | 25 | | | | 36 | | 30 |
| .7 | 22 | | 22 | 33 | 23 | | 24 | | | | | | | | | 12 | | | | 22 |
| .8 | 0 | | 11 | | 11 | | 11 | | 11 | 0 | | | | | | 0 | | | | 11 |
| .9 | 0 | 0 | 0 | | 0 | 0 | 0 | | | 0 | 11 | | 0 | 0 | | | | | 0 | 0 |
| .10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | 0 | 0 |
| .11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| .12 | | 0 | 11 | 0 | 0 | 11 | 0 | 0 | 0 | | 11 | | | 0 | | 0 | | | 11 | 11 |
| .13 | | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | | | 0 | | 0 | | |
| .14 | | | 0 | | 0 | | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | | | 0 |
| .15 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | 0 |
| .16 | | 25 | 27 | 27 | 23 | 24 | 23 | 25 | 11 | | 25 | 0 | 26 | 12 | | 0 | | 12 | 26 | 25 |
| .17 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 13 | 13 | 11 | 11 | | | 13 | 14 | 12 | 11 |
| .18 | 22 | 23 | 24 | | 22 | 11 | 11 | 11 | 24 | 0 | 28 | 11 | 23 | 11 | | 11 | | 25 | 25 | 23 |
| .19 | | 23 | 24 | 26 | 23 | 23 | 23 | 24 | 28 | 0 | 24 | 23 | | 22 | | 11 | | 27 | 25 | 23 |
| .20 | | 34 | 22 | 23 | | | 23 | | | | | | | 23 | | | | | | 23 |
| .21 | | | 23 | | | | 22 | | 35 | | | | | | 34 | 24 | | | | 22 |
| .22 | | | 50 | | 48 | 35 | 35 | 51 | 55 | | 51 | 40 | 45 | 52 | | | | 57 | 55 | 42 |
| .23 | 29 | 52 | 57 | | 49 | | 51 | 58 | | 0 | 78 | 39 | 44 | 49 | | | | 51 | 57 | 42 |
| .24 | | | 20 | 33 | 18 | 18 | 20 | 26 | 18 | | 61 | | | | | | | 27 | 33 | |
| .25 | 17 | | 21 | | 36 | | 16 | 38 | 34 | 0 | | | 21 | | | | | 39 | 20 | 31 |
| .26 | 24 | | 24 | 26 | 28 | 21 | 19 | 26 | 23 | | 59 | 23 | 35 | 18 | | | | 33 | 25 | 25 |
| .27 | 25 | | 23 | 19 | | | 19 | | 21 | 25 | | | | 20 | | 22 | | | | 22 |
| .28 | 17 | | 21 | 18 | 21 | | 19 | | 20 | 0 | | | | 18 | | 18 | | | | 18 |
| .29 | 13 | 17 | 15 | 15 | 12 | 12 | 16 | 14 | 11 | | 17 | 18 | 17 | 13 | | 14 | | 16 | 16 | 16 |
| .30 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 | | | | 0 | 0 | |
| .31 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | 14 | 12 | | | | | | | | | | | | | | | | | | |
| .2 | 37 | | | | | | | | | | | | | | | | | | | |
| .3 | 34 | | 15 | | | | | | | | | | | | | | | | | |
| .4 | 22 | 25 | 16 | | | | | | | | | | | | | | | | | |
| .5 | 41 | | | | | | | | | | | | | | | | | | | |
| .6 | 34 | 33 | | | | | | | | | | | | | | | | | | |
| .7 | 38 | | | | | | | | | | | | | | | | | | | |
| .8 | 17 | 23 | | | | | | | | | | | | | | | | | | |
| .9 | 12 | | | | | | | | | | | | | | | | | | | |
| .10 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .11 | 0 | 11 | 0 | | | | | | | | | | | | | | | | | |
| .12 | 0 | 14 | 0 | | | | | | | | | | | | | | | | | |
| .13 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .14 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .15 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .16 | 0 | 30 | 23 | | | | | | | | | | | | | | | | | |
| .17 | 13 | 25 | 11 | | | | | | | | | | | | | | | | | |
| .18 | 15 | | 11 | | | | | | | | | | | | | | | | | |
| .19 | 32 | 25 | | | | | | | | | | | | | | | | | | |
| .20 | 34 | 35 | | | | | | | | | | | | | | | | | | |
| .21 | 30 | 35 | | | | | | | | | | | | | | | | | | |
| .22 | 56 | 54 | 40 | | | | | | | | | | | | | | | | | |
| .23 | | | 48 | | | | | | | | | | | | | | | | | |
| .24 | 48 | | | | | | | | | | | | | | | | | | | |
| .25 | 34 | 41 | | | | | | | | | | | | | | | | | | |
| .26 | 26 | 31 | 18 | | | | | | | | | | | | | | | | | |
| .27 | 30 | 25 | 20 | | | | | | | | | | | | | | | | | |
| .28 | 24 | 22 | 17 | | | | | | | | | | | | | | | | | |
| .29 | 15 | | 12 | | | | | | | | | | | | | | | | | |
| .30 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .31 | 0 | | 0 | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Červen (June)

| 6. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 14 | 12 | 12 | 14 | 13 | 12 | 12 | 13 | 25 | 13 | 12 | 14 | 12 | 12 | | 0 | | 16 | 12 | 12 |
| .2 | 18 | | 21 | 32 | 20 | 19 | 19 | 18 | 20 | 29 | 25 | 24 | 22 | 16 | | 0 | | 26 | 25 | 36 |
| .3 | 16 | 37 | 23 | 28 | 29 | | 22 | 24 | 23 | 18 | | 23 | | 19 | 20 | | 27 | | 27 | |
| .4 | | 36 | 26 | 25 | 28 | | 22 | | 21 | | | | | 19 | | | | | 36 | |
| .5 | 24 | | 23 | | 24 | 20 | 19 | 42 | 21 | 33 | 47 | | 28 | 18 | | | | 34 | 44 | 38 |
| .6 | 18 | 37 | 25 | 21 | 23 | 22 | 25 | | | 25 | 39 | | 31 | 27 | | | | 40 | 27 | 31 |
| .7 | 18 | | 14 | 14 | 13 | 14 | 15 | 15 | 15 | 13 | 28 | 14 | 16 | 12 | 14 | | | 15 | 15 | |
| .8 | 0 | 26 | 13 | | 13 | 15 | 13 | 17 | 15 | 15 | 21 | 13 | | 12 | 13 | | | 16 | | 15 |
| .9 | 0 | 12 | 13 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 11 | 11 | 0 | 0 | 0 | | | | | 0 |
| .10 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | 0 | 0 | | | | | 0 |
| .11 | 0 | | 0 | | 0 | 0 | 0 | | 0 | 0 | | | | 0 | 0 | | | | | 0 |
| .12 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | | 11 | 0 | 0 | 0 | | | | 12 | | 0 |
| .13 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | | | | 11 | 11 | 11 |
| .14 | | | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | | | | 11 | 11 | 11 |
| .15 | 32 | | 31 | 40 | 30 | 28 | 30 | 46 | 28 | 31 | 32 | 29 | 32 | 30 | | 28 | | 36 | 32 | 25 |
| .16 | | | 30 | | | | 33 | 32 | 31 | | | | 27 | 30 | 23 | | | | | 30 |
| .17 | | | 29 | 31 | | | 27 | 45 | 29 | | | | | | | | | 48 | | 36 |
| .18 | | | 28 | | 30 | | 27 | 41 | 27 | 28 | | | | 27 | 28 | 41 | | | | 37 |
| .19 | 25 | | 26 | 30 | 25 | 26 | 28 | 27 | 28 | 25 | 37 | 25 | 28 | 24 | | 36 | | 33 | 27 | 25 |
| .20 | | 35 | 24 | 26 | 35 | 23 | 26 | 35 | 24 | 22 | 41 | 23 | 23 | 23 | | 24 | | 36 | 24 | 23 |
| .21 | | | 36 | 39 | 36 | 35 | 37 | 36 | 34 | 35 | 39 | 35 | 36 | 34 | | | | 38 | 37 | 35 |
| .22 | 25 | 25 | 24 | 25 | 24 | 23 | 23 | 23 | 23 | 23 | 24 | 23 | 27 | 23 | | 22 | | 28 | 25 | 26 |
| .23 | 22 | | 23 | 22 | 28 | 23 | 22 | 23 | 22 | 23 | 24 | 23 | 24 | 22 | | | | 28 | 24 | 23 |
| .24 | 14 | | 17 | 16 | 14 | | 14 | | 13 | 27 | | | | 16 | 15 | | | | | 13 |
| .25 | 14 | | 19 | | 18 | | 14 | | 16 | 16 | 20 | | | 14 | 17 | | | | | 16 |
| .26 | 20 | | 27 | | 20 | 17 | 19 | 20 | 21 | 31 | 21 | 19 | | 14 | 16 | | | 23 | | |
| .27 | 19 | 21 | 20 | 20 | 18 | 18 | 17 | 24 | 18 | | 23 | | 21 | 17 | | | | 25 | | |
| .28 | 13 | | 19 | | 17 | 16 | 16 | | 16 | 15 | 25 | 17 | 19 | 13 | | | | 21 | 20 | 18 |
| .29 | | | 12 | 13 | 12 | 13 | 14 | | 14 | | 13 | 12 | 13 | 12 | | | | | | 17 |
| .30 | 11 | | 13 | 11 | 11 | 11 | 11 | 11 | | 11 | 11 | 11 | 12 | 11 | | 12 | | 11 | | 12 |
| | | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | |
| .1 | | 17 | 13 | 13 | | | | | | | | | | | | | | | | |
| .2 | | 22 | 24 | 16 | | | | | | | | | | | | | | | | |
| .3 | | 27 | 33 | 17 | | | | | | | | | | | | | | | | |
| .4 | | 29 | | | | | | | | | | | | | | | | | | |
| .5 | | 29 | 45 | 20 | | | | | | | | | | | | | | | | |
| .6 | | 32 | 28 | 21 | | | | | | | | | | | | | | | | |
| .7 | | 26 | | 14 | | | | | | | | | | | | | | | | |
| .8 | | 18 | 15 | 13 | | | | | | | | | | | | | | | | |
| .9 | | 15 | 12 | 0 | | | | | | | | | | | | | | | | |
| .10 | | 13 | | | | | | | | | | | | | | | | | | |
| .11 | | | 0 | | | | | | | | | | | | | | | | | |
| .12 | | 0 | | | | | | | | | | | | | | | | | | |
| .13 | | 14 | 11 | 11 | | | | | | | | | | | | | | | | |
| .14 | | 17 | 11 | 11 | | | | | | | | | | | | | | | | |
| .15 | | 37 | | | | | | | | | | | | | | | | | | |
| .16 | | 42 | | | | | | | | | | | | | | | | | | |
| .17 | | 35 | | | | | | | | | | | | | | | | | | |
| .18 | | 41 | | 26 | | | | | | | | | | | | | | | | |
| .19 | | 36 | | 27 | | | | | | | | | | | | | | | | |
| .20 | | 35 | 34 | 25 | | | | | | | | | | | | | | | | |
| .21 | | 31 | | 36 | | | | | | | | | | | | | | | | |
| .22 | | 36 | 31 | 23 | | | | | | | | | | | | | | | | |
| .23 | | 38 | | | | | | | | | | | | | | | | | | |
| .24 | | 32 | | | | | | | | | | | | | | | | | | |
| .25 | | 30 | 21 | | | | | | | | | | | | | | | | | |
| .26 | | 27 | 22 | | | | | | | | | | | | | | | | | |
| .27 | | 24 | 22 | | | | | | | | | | | | | | | | | |
| .28 | | 22 | 22 | | | | | | | | | | | | | | | | | |
| .29 | | 19 | 13 | | | | | | | | | | | | | | | | | |
| .30 | | 22 | 12 | 11 | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Červenec (July)

| 7. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 11 | | 11 | 11 | 22 | | 11 | | 11 | 22 | 11 | | | 11 | | 12 | | | | 11 |
| .2 | 11 | | 11 | | | | 11 | | | 11 | | | | 12 | | 0 | | | | 11 |
| .3 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | | | 0 | | | | 11 | | 11 |
| .4 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | 0 | | 0 | 0 | | | | | | 0 |
| .5 | | | 0 | | 0 | | 0 | 11 | 11 | 0 | | | | 0 | | 0 | | | | 0 |
| .6 | | 17 | 16 | | 14 | 12 | 14 | 16 | 19 | 14 | 14 | | | 11 | | 13 | | | 16 | 12 |
| .7 | 32 | | 27 | 30 | 26 | | 19 | 29 | | 21 | 28 | | 29 | 20 | | 26 | | | | |
| .8 | 29 | 25 | 30 | 34 | 29 | | 24 | | 33 | 26 | | | | | | 28 | | | | 22 |
| .9 | 39 | | 52 | | 34 | | 29 | | 49 | 33 | | | | 36 | 42 | 27 | | | | 24 |
| .10 | 30 | | 44 | | 41 | 32 | 34 | 46 | 36 | 42 | 48 | 36 | | 27 | | | | | | |
| .11 | 31 | 44 | 42 | 50 | 40 | | 35 | 40 | 33 | | 63 | 30 | 49 | 27 | | 28 | | 48 | 50 | 33 |
| .12 | | 55 | 71 | 74 | 51 | 50 | 34 | 53 | | 59 | 77 | 61 | 68 | 36 | | 30 | | | | 60 |
| .13 | 39 | 63 | 58 | 57 | 38 | 48 | 54 | 56 | 81 | 48 | | 57 | 79 | 33 | | 23 | | 53 | 60 | 53 |
| .14 | 46 | | 66 | 61 | 41 | 35 | 38 | 60 | | 50 | 52 | 42 | 67 | 31 | | 27 | | 44 | 64 | 35 |
| .15 | 16 | | 31 | | 30 | | 20 | | 20 | 36 | | | | | | 21 | | | | 18 |
| .16 | | 27 | 17 | | 15 | | 16 | | | 16 | | | | 12 | | 17 | | | | 13 |
| .17 | | 24 | 26 | 12 | 25 | 15 | 13 | 24 | 13 | | 27 | 16 | | 12 | | 14 | | | 25 | 12 |
| .18 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | 0 | | 0 | 0 | |
| .19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | | | 0 | |
| .20 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | | 0 | 0 | 0 |
| .21 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | | 0 | | 0 | 0 | 0 |
| .22 | 0 | | 0 | | 0 | | 0 | | 0 | 0 | | | | 0 | | 0 | | | | 0 |
| .23 | 0 | | 0 | | 0 | | 0 | | 0 | 0 | | | | 0 | | 0 | | | | 0 |
| .24 | | | | 0 | 0 | | 0 | 0 | | | | | 0 | | | | | 0 | | 0 |
| .25 | 0 | | 0 | | 11 | | 0 | 11 | 0 | 11 | | | | | | | | | | |
| .26 | 0 | | 0 | 0 | 0 | | 0 | 13 | 0 | | | 0 | | 0 | | | | 0 | 0 | 0 |
| .27 | 0 | | | | 0 | | 0 | 0 | | | | | 0 | 0 | | | | 0 | | 0 |
| .28 | 0 | | 0 | | 0 | | 0 | 0 | | 12 | | 0 | | 0 | 0 | | | | | 11 |
| .29 | | | 15 | | 0 | | 0 | | 0 | 0 | | | | 23 | | 0 | | | | 0 |
| .30 | | | 12 | | 12 | | 0 | | 0 | 13 | 17 | | | 11 | | 0 | | | | 0 |
| .31 | 0 | | 0 | | 0 | | 0 | 0 | | 0 | 0 | 0 | | 0 | | 0 | | 0 | 0 | 0 |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | 18 | 11 | | | | | | | | | | | | | | | | | | |
| .2 | 12 | 12 | 11 | | | | | | | | | | | | | | | | | |
| .3 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .4 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .5 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .6 | 23 | 23 | 11 | | | | | | | | | | | | | | | | | |
| .7 | 36 | 32 | 25 | | | | | | | | | | | | | | | | | |
| .8 | 32 | 39 | 26 | | | | | | | | | | | | | | | | | |
| .9 | 52 | 41 | 40 | | | | | | | | | | | | | | | | | |
| .10 | 54 | 43 | 40 | | | | | | | | | | | | | | | | | |
| .11 | 50 | 43 | 27 | | | | | | | | | | | | | | | | | |
| .12 | 58 | 59 | 62 | | | | | | | | | | | | | | | | | |
| .13 | 58 | 87 | | | | | | | | | | | | | | | | | | |
| .14 | 56 | 41 | 34 | | | | | | | | | | | | | | | | | |
| .15 | 47 | 36 | | | | | | | | | | | | | | | | | | |
| .16 | 42 | 32 | | | | | | | | | | | | | | | | | | |
| .17 | 33 | 26 | 11 | | | | | | | | | | | | | | | | | |
| .18 | 12 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .19 | 11 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .20 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .21 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .22 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .23 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .24 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .25 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .26 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .27 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .28 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .29 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .30 | 0 | 12 | 0 | | | | | | | | | | | | | | | | | |
| .31 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Srpen (August)

| 8. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 0 | 13 | 0 | | 12 | | 0 | 11 | 12 | 12 | 0 | 0 | 12 | 11 | | 0 | | 12 | 12 | 12 |
| .2 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | 12 | 12 | 13 | 12 | 12 | | 13 | | 12 | | 12 |
| .3 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 12 | | 13 | | 12 | | 12 |
| .4 | 12 | | 12 | 13 | 12 | | 12 | 13 | 12 | | 20 | | 12 | | | 14 | | 15 | 13 | 13 |
| .5 | 12 | | 12 | | 13 | | 12 | 12 | 12 | 12 | | | | 12 | | 14 | | | | 22 |
| .6 | 11 | | 12 | | | | 12 | 12 | | 12 | | | | | | | | | | 22 |
| .7 | 11 | | 11 | | 11 | 12 | 12 | | 11 | 12 | 14 | 11 | | 11 | | 13 | | 11 | | |
| .8 | 11 | 12 | 13 | 11 | 11 | 11 | 11 | 13 | | 11 | 11 | 11 | 11 | 11 | | 13 | | 11 | 11 | 11 |
| .9 | 11 | 11 | 12 | | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 11 | 12 | 11 | | 13 | | | 11 | 11 |
| .10 | | 13 | 12 | | 12 | 12 | 12 | 13 | 12 | 12 | 15 | 12 | 12 | 11 | | 13 | | 13 | 13 | 12 |
| .11 | | 11 | 11 | | 11 | 11 | 11 | 12 | | | 11 | 11 | 12 | 11 | | | | | | 11 |
| .12 | | | 11 | | | | 11 | | 12 | | | | | | | 12 | | | | 11 |
| .13 | | | 11 | | 11 | 11 | 11 | | 11 | 11 | | | | | | 12 | | | | 11 |
| .14 | | | 0 | | 11 | 11 | 0 | 11 | 0 | 12 | | 0 | 0 | 0 | | 0 | | | 0 | 11 |
| .15 | | | 15 | | 18 | 15 | 14 | 19 | 12 | 16 | 24 | 17 | 19 | 18 | | 16 | | | 19 | 20 |
| .16 | 26 | 33 | 28 | | 27 | 19 | 24 | 25 | 32 | | 34 | 22 | 27 | 21 | | 34 | | | 32 | 40 |
| .17 | 25 | 50 | 46 | | 34 | 24 | 26 | 37 | | 40 | 57 | 29 | 42 | 35 | | 39 | | | 48 | 47 |
| .18 | | | 44 | | 35 | 27 | 29 | 53 | 47 | 36 | 60 | 44 | 50 | 36 | | 41 | 60 | 48 | 44 | |
| .19 | | | 41 | | 40 | | 22 | | | | | | | 38 | | | | | | |
| .20 | | | 50 | | | | 50 | | 54 | 46 | | | | 34 | | 58 | | | | |
| .21 | 32 | | 61 | | 48 | 40 | 52 | 47 | 49 | 45 | 65 | | 56 | | 53 | | | | 65 | |
| .22 | 43 | | 55 | 60 | 46 | 41 | 46 | 50 | | 49 | 91 | | | 41 | | | | | 61 | |
| .23 | 35 | | 64 | | 68 | 50 | 39 | 62 | 53 | 70 | | 36 | | 53 | | 69 | | | | |
| .24 | 34 | | 43 | | 41 | 37 | 43 | 47 | 40 | 22 | 53 | | 53 | 45 | | 60 | | | 48 | |
| .25 | 29 | | 51 | | 44 | 31 | 41 | | 49 | 41 | 46 | | 52 | 42 | | 51 | | | 53 | |
| .26 | 34 | | 47 | | 41 | | 34 | | | 41 | | | | | | 55 | | | | 37 |
| .27 | | | 34 | | 34 | | 34 | | 39 | 34 | | | | 29 | | | | | | 38 |
| .28 | 11 | | 20 | 21 | 18 | | 17 | 16 | 30 | 17 | 22 | | | 25 | | 18 | | | | 24 |
| .29 | 35 | | 33 | | 33 | | 24 | | | 47 | | | | 38 | | 27 | | | | 34 |
| .30 | 43 | | 46 | | 40 | | 40 | 43 | 36 | 44 | 58 | | | 43 | | 45 | 60 | | | 43 |
| .31 | | | 67 | | 62 | | 39 | 72 | | 64 | 87 | | | 63 | | 64 | 87 | | | 67 |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | 13 | 12 | 12 | | | | | | | | | | | | | | | | | |
| .2 | 18 | 12 | 12 | | | | | | | | | | | | | | | | | |
| .3 | 22 | 15 | 12 | | | | | | | | | | | | | | | | | |
| .4 | 18 | 15 | 12 | | | | | | | | | | | | | | | | | |
| .5 | | 14 | | | | | | | | | | | | | | | | | | |
| .6 | | 13 | | | | | | | | | | | | | | | | | | |
| .7 | 14 | 12 | 11 | | | | | | | | | | | | | | | | | |
| .8 | 15 | 12 | 11 | | | | | | | | | | | | | | | | | |
| .9 | 12 | 12 | 12 | | | | | | | | | | | | | | | | | |
| .10 | 12 | 12 | 12 | | | | | | | | | | | | | | | | | |
| .11 | 12 | 11 | 11 | | | | | | | | | | | | | | | | | |
| .12 | 12 | 11 | 11 | | | | | | | | | | | | | | | | | |
| .13 | 11 | 11 | 11 | | | | | | | | | | | | | | | | | |
| .14 | 15 | 11 | 11 | | | | | | | | | | | | | | | | | |
| .15 | 25 | 29 | 16 | | | | | | | | | | | | | | | | | |
| .16 | 30 | 43 | | | | | | | | | | | | | | | | | | |
| .17 | 33 | 58 | | | | | | | | | | | | | | | | | | |
| .18 | 48 | | 35 | | | | | | | | | | | | | | | | | |
| .19 | | | | | | | | | | | | | | | | | | | | |
| .20 | 51 | 76 | | | | | | | | | | | | | | | | | | |
| .21 | 59 | 68 | | | | | | | | | | | | | | | | | | |
| .22 | 64 | 67 | 48 | | | | | | | | | | | | | | | | | |
| .23 | 58 | 72 | 52 | | | | | | | | | | | | | | | | | |
| .24 | 62 | 63 | 43 | | | | | | | | | | | | | | | | | |
| .25 | 57 | 58 | 40 | | | | | | | | | | | | | | | | | |
| .26 | 49 | 65 | 38 | | | | | | | | | | | | | | | | | |
| .27 | 40 | 59 | 34 | | | | | | | | | | | | | | | | | |
| .28 | 24 | 21 | | | | | | | | | | | | | | | | | | |
| .29 | 52 | 35 | 33 | | | | | | | | | | | | | | | | | |
| .30 | 63 | 52 | 37 | | | | | | | | | | | | | | | | | |
| .31 | 25 | 77 | 60 | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Zář (September)

| 9. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | | | 49 | | 62 | | | 63 | | | | | | 44 | | 48 | | | | 52 |
| .2 | 44 | | | 53 | | | 48 | | | 50 | | | | | | | | | | 49 |
| .3 | 74 | | | | | | | | 65 | | | | | | | | | | | |
| .4 | 132 | | 122 | | 120 | 92 | 105 | 121 | 101 | 111 | 171 | 125 | | | | 100 | | 163 | | 115 |
| .5 | 138 | | 121 | | | | 118 | 136 | 100 | 132 | | | | | | 100 | | | | |
| .6 | 125 | | 100 | | 116 | | 110 | | | | 137 | | | | | | | 164 | 150 | 99 |
| .7 | 100 | 107 | 118 | | 98 | | 90 | 122 | | | 159 | | | 67 | | 68 | | 147 | | 110 |
| .8 | 81 | 100 | 110 | 116 | 82 | | 88 | 94 | | 98 | 139 | 80 | | 66 | | 72 | | 127 | 105 | 96 |
| .9 | 49 | 51 | 61 | 78 | | | 59 | | | | | | | 53 | | 53 | | | | 55 |
| .10 | | | 38 | 54 | | | 47 | | | | | | | 47 | | 39 | | | | 47 |
| .11 | | | 24 | | 26 | | | 35 | | | 26 | | 26 | 11 | | | | 35 | 24 | 35 |
| .12 | 12 | | | | | | 11 | | | 11 | | | 12 | | | | | | | 11 |
| .13 | 12 | 12 | 13 | | 14 | 12 | 11 | 13 | | 13 | 36 | 12 | 13 | 11 | | | | 14 | 13 | 25 |
| .14 | | 13 | 12 | | 11 | 12 | 11 | 12 | 12 | | 11 | 12 | 12 | 11 | | 12 | | 14 | 12 | 12 |
| .15 | | | 12 | 13 | 12 | | 11 | 12 | | | | | | 11 | | 12 | | | | 12 |
| .16 | | | | | | | | | | | | | | | | | | | | 13 |
| .17 | 12 | | | | | | | | | | | | | | | | | | | |
| .18 | | 15 | 13 | | 12 | 13 | 11 | 13 | 14 | 13 | | | 13 | 12 | | | | 14 | | 13 |
| .19 | | | | | | | 11 | | | | | | | | | | | | | |
| .20 | 11 | 22 | | | | | 11 | 22 | 22 | 22 | | | 23 | | | | | 23 | | |
| .21 | | | | | | | 12 | | 22 | 22 | | | | | | | | | | |
| .22 | | 11 | 22 | | | | 11 | 11 | | 11 | | | 15 | | | | | 11 | | |
| .23 | | | | | | | | | | 13 | | | | | | | | | | |
| .24 | | | | | | | | | | | | | | | | | | | | |
| .25 | | 36 | 37 | | 36 | 36 | 37 | 38 | | | 51 | | 40 | 36 | | | | 37 | | 36 |
| .26 | 37 | | 39 | | 41 | 36 | 35 | 42 | | | 41 | | 41 | 38 | | | | | | 39 |
| .27 | | 39 | 49 | | 41 | 36 | 34 | 39 | | 40 | 36 | 36 | 43 | 36 | | | | 46 | 44 | 48 |
| .28 | | 45 | 48 | 42 | 43 | 41 | 36 | 48 | | 60 | 44 | | 49 | 48 | | 40 | | 49 | 47 | 44 |
| .29 | 37 | 42 | 50 | | 42 | 39 | 38 | 40 | 44 | 61 | 49 | 43 | 46 | 36 | | 40 | | 49 | 48 | 45 |
| .30 | 34 | 40 | 42 | 40 | 42 | | 38 | 38 | 40 | 38 | | | | 35 | | 39 | | | | 42 |
| | | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | |
| .1 | | 88 | 75 | | | | | | | | | | | | | | | | | |
| .2 | | | 58 | | | | | | | | | | | | | | | | | |
| .3 | | | | | | | | | | | | | | | | | | | | |
| .4 | | 144 | 130 | | | | | | | | | | | | | | | | | |
| .5 | | 127 | 141 | | | | | | | | | | | | | | | | | |
| .6 | | 113 | 140 | | | | | | | | | | | | | | | | | |
| .7 | | 114 | 101 | | | | | | | | | | | | | | | | | |
| .8 | | 97 | 116 | | | | | | | | | | | | | | | | | |
| .9 | | 85 | 81 | | | | | | | | | | | | | | | | | |
| .10 | | 62 | 38 | | | | | | | | | | | | | | | | | |
| .11 | | | | | | | | | | | | | | | | | | | | |
| .12 | | | 11 | | | | | | | | | | | | | | | | | |
| .13 | | 23 | 14 | | | | | | | | | | | | | | | | | |
| .14 | | 11 | 12 | | | | | | | | | | | | | | | | | |
| .15 | | 11 | 12 | 12 | | | | | | | | | | | | | | | | |
| .16 | | 11 | | | | | | | | | | | | | | | | | | |
| .17 | | | | | | | | | | | | | | | | | | | | |
| .18 | | 12 | 14 | | | | | | | | | | | | | | | | | |
| .19 | | | | | | | | | | | | | | | | | | | | |
| .20 | | | 23 | | | | | | | | | | | | | | | | | |
| .21 | | | | | | | | | | | | | | | | | | | | |
| .22 | | 13 | 22 | | | | | | | | | | | | | | | | | |
| .23 | | | 11 | | | | | | | | | | | | | | | | | |
| .24 | | | 22 | | | | | | | | | | | | | | | | | |
| .25 | | 51 | 42 | | | | | | | | | | | | | | | | | |
| .26 | | 51 | 41 | 39 | | | | | | | | | | | | | | | | |
| .27 | | 58 | 41 | | | | | | | | | | | | | | | | | |
| .28 | | 45 | 50 | 40 | | | | | | | | | | | | | | | | |
| .29 | | 54 | 48 | | | | | | | | | | | | | | | | | |
| .30 | | 42 | 48 | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Říjen (October)

| 10. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | | 35 | 38 | | 36 | | 38 | 39 | 36 | 37 | | | | 34 | | 39 | | | | 35 |
| .2 | | 37 | 40 | | 37 | 35 | 33 | 39 | 24 | 36 | 34 | 36 | 42 | 23 | | 28 | | 37 | | 35 |
| .3 | 26 | | | | 24 | | | | | | | | | | | | | | | |
| .4 | 23 | 30 | 28 | | | 26 | 25 | 28 | 23 | | 34 | | | 23 | | | | 35 | | |
| .5 | | | 29 | | | | | | | | | | | | | | | | | |
| .6 | | 23 | 29 | | 24 | | 24 | 25 | | | 25 | 23 | | 22 | | | | 25 | | |
| .7 | | | 11 | | 14 | | 12 | 11 | | | | | | 11 | | | | | | 11 |
| .8 | | | 0 | | | | 0 | | | | | | | | | | | | | 0 |
| .9 | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | | | | 0 | | 0 |
| .10 | 0 | | 0 | | | | 0 | | | | | | 0 | 0 | | | | 0 | | 0 |
| .11 | 0 | | 0 | | | 12 | | | | | | 0 | | | | | | 0 | | 0 |
| .12 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | | 0 | 0 | 0 |
| .13 | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | 0 | | | 0 | | 12 |
| .14 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | | | | | 0 |
| .15 | 0 | | 0 | | 0 | | 0 | 0 | 0 | | | | | | 0 | | | | | 0 |
| .16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 |
| .17 | 0 | | 0 | | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | | | | 0 | 0 |
| .18 | | | 0 | | 0 | 0 | 0 | | | | 0 | | 0 | 0 | | | | | | 0 |
| .19 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | | | | 0 |
| .20 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | 0 | | | 0 | | | | | | 0 |
| .21 | 11 | | | | | | | | | | | | | | | | | | | |
| .22 | 11 | | | | | | | | | | | | | | | | | | | |
| .23 | | | | | | | | | | | | | | | | | | | | |
| .24 | 23 | | 25 | | | 23 | 23 | 26 | | | | | 23 | | | | | 23 | 15 | 23 |
| .25 | 23 | | 23 | | | | | | | | | 12 | 23 | | | | | 23 | | 23 |
| .26 | 23 | | 23 | | 22 | 22 | 23 | 23 | 25 | | 26 | | | 22 | | 22 | | 23 | | |
| .27 | 24 | | | | | | 23 | | 24 | | | | | | | | | | | |
| .28 | | | | | | | | | | | | | | | | | | | | 11 |
| .29 | | | 23 | | 22 | | 23 | 24 | 24 | | | | | 22 | | 22 | | | | 22 |
| .30 | | | 22 | 11 | 22 | 22 | 22 | 22 | 22 | | 25 | | 22 | 11 | | 22 | | | 22 | 22 |
| .31 | | | 0 | | 11 | | 11 | 11 | | | 12 | 11 | | 11 | | | | | | 11 |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | 37 | 42 | | | | | | | | | | | | | | | | | | |
| .2 | 24 | 37 | 35 | | | | | | | | | | | | | | | | | |
| .3 | | | | | | | | | | | | | | | | | | | | |
| .4 | 31 | 31 | 25 | | | | | | | | | | | | | | | | | |
| .5 | 29 | 27 | 29 | | | | | | | | | | | | | | | | | |
| .6 | 18 | 26 | 22 | | | | | | | | | | | | | | | | | |
| .7 | 18 | 12 | 12 | | | | | | | | | | | | | | | | | |
| .8 | | | 0 | | | | | | | | | | | | | | | | | |
| .9 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .10 | | 0 | 0 | | | | | | | | | | | | | | | | | |
| .11 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .12 | 0 | | | | | | | | | | | | | | | | | | | |
| .13 | 0 | 11 | 0 | | | | | | | | | | | | | | | | | |
| .14 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .15 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .16 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .17 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .18 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .19 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .20 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .21 | | | 11 | | | | | | | | | | | | | | | | | |
| .22 | | | | | | | | | | | | | | | | | | | | |
| .23 | | | | | | | | | | | | | | | | | | | | |
| .24 | 29 | 24 | 24 | | | | | | | | | | | | | | | | | |
| .25 | | | 23 | | | | | | | | | | | | | | | | | |
| .26 | 31 | | 24 | | | | | | | | | | | | | | | | | |
| .27 | 28 | | | | | | | | | | | | | | | | | | | |
| .28 | | | | | | | | | | | | | | | | | | | | |
| .29 | | 23 | | | | | | | | | | | | | | | | | | |
| .30 | | 24 | | | | | | | | | | | | | | | | | | |
| .31 | 25 | | | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Listopad (November)

| 11. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | | | 0 | | 0 | | 0 | | | | | | | | | | | | | |
| .2 | | | 0 | | 0 | | 0 | 0 | | | | 0 | | | | | | | | |
| .3 | | | 0 | | | | | 0 | | | | | | | | | | 0 | 0 | |
| .4 | | | 0 | 0 | 0 | | 0 | 0 | 0 | | | | | 0 | | 0 | | 0 | | 0 |
| .5 | | | 0 | | 0 | | | | 0 | | | | | | | | | | | 0 |
| .6 | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | | 0 | 0 | | | | 0 | 0 | |
| .7 | | 0 | 0 | | 0 | 0 | | 0 | | | | 0 | 0 | | | | 0 | | 0 | |
| .8 | | | | | | | 0 | | | | 0 | | | | | | | 0 | | |
| .9 | | | | | | | | | | | | | | | | | | | | |
| .10 | | | | | | | | | | | | | | | | | | | | |
| .11 | | | 0 | | | | 0 | | | | | | | 0 | | 0 | | 0 | | |
| .12 | | | 0 | | | | 0 | | | | | | | | | 0 | | | | |
| .13 | | | | | | | 0 | | | | | 0 | | | | | | | | |
| .14 | | 13 | 15 | | 12 | 13 | 12 | 14 | 14 | | 20 | 12 | | 11 | | | | 14 | 14 | |
| .15 | 12 | 12 | 13 | 14 | 12 | 12 | 12 | 13 | 13 | | 12 | 15 | 13 | 12 | | | | 14 | 13 | |
| .16 | | 16 | | | 14 | 14 | 14 | 15 | 13 | | 18 | | 17 | 12 | | 15 | | 17 | 17 | 15 |
| .17 | | | | | | | | | | | | | | | | | | | | |
| .18 | 0 | | 14 | | 17 | | 14 | | | | | | | | | | | | | |
| .19 | | | | | | | 0 | | | | | | | | | | | | | |
| .20 | 0 | 0 | 0 | | 0 | | 0 | 0 | | | 0 | | | | | | | 0 | 0 | |
| .21 | | | | | | | | | | | | | | | | | | | | |
| .22 | 0 | | 0 | | 0 | | | | 0 | | | | | | | 0 | | | 0 | |
| .23 | 0 | | 0 | | | | | | | | | | | 0 | | | | | | |
| .24 | 0 | | | | | | | | | | | | 0 | 0 | | | | | 0 | 0 |
| .25 | | | 15 | | | | | | | | | | | 14 | | | | | | 18 |
| .26 | 19 | | 18 | | | | 17 | | | | | | | | | 17 | | | | |
| .27 | 15 | 22 | 18 | | 17 | 13 | 15 | 18 | 14 | | 15 | 14 | | 12 | | | | 17 | 17 | 14 |
| .28 | | 14 | 13 | | 13 | | | 15 | | | | | 16 | 12 | | | | 17 | | 13 |
| .29 | | | | | | | | | | | | | | 11 | | | | | | |
| .30 | | | | | | | | | | | | | | | | | | | | |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | 12 | 0 | | | | | | | | | | | | | | | | | | |
| .2 | 23 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .3 | | 0 | 0 | | | | | | | | | | | | | | | | | |
| .4 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .5 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .6 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .7 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .8 | | | 0 | | | | | | | | | | | | | | | | | |
| .9 | | | | | | | | | | | | | | | | | | | | |
| .10 | | | 0 | | | | | | | | | | | | | | | | | |
| .11 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .12 | | | | | | | | | | | | | | | | | | | | |
| .13 | | | | | | | | | | | | | | | | | | | | |
| .14 | 11 | 19 | | | | | | | | | | | | | | | | | | |
| .15 | 22 | 14 | 12 | | | | | | | | | | | | | | | | | |
| .16 | | | | | | | | | | | | | | | | | | | | |
| .17 | | | | | | | | | | | | | | | | | | | | |
| .18 | 17 | 18 | | | | | | | | | | | | | | | | | | |
| .19 | | | 0 | | | | | | | | | | | | | | | | | |
| .20 | 15 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .21 | | | 0 | | | | | | | | | | | | | | | | | |
| .22 | | 0 | 0 | | | | | | | | | | | | | | | | | |
| .23 | 12 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .24 | 12 | | 0 | | | | | | | | | | | | | | | | | |
| .25 | | 15 | | | | | | | | | | | | | | | | | | |
| .26 | 22 | 17 | | | | | | | | | | | | | | | | | | |
| .27 | 22 | 18 | | | | | | | | | | | | | | | | | | |
| .28 | | 15 | | | | | | | | | | | | | | | | | | |
| .29 | | | | | | | | | | | | | | | | | | | | |
| .30 | | | | | | | | | | | | | | | | | | | | |

Pozorovací protokol za měsíc Prosinec (December)

| 12. | SL 001 | SL 014 | SL 077 | SL 080 | SL 085 | SL 086 | SL 090 | SL 092 | SL 097 | SL 098 | SL 116 | SL 118 | SL 120 | SL 127 | SL 141 | SL 142 | SL 144 | SL 146 | SL 089 | SL 065 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| .1 | 0 | | 0 | | 0 | 0 | 0 | | | | 11 | 0 | | | | 0 | | | | |
| .2 | | | 0 | | 0 | 0 | 0 | | 0 | | | | | | | 0 | | 0 | | |
| .3 | | | | | | | | | 0 | | | | | | | | | | | |
| .4 | | | | | | | 0 | 0 | | | | | | | | | | | | |
| .5 | | | | | | | | 0 | | | | | 0 | | | | | 0 | | 0 |
| .6 | | | | | | | | | | | | | | | | | | 14 | | |
| .7 | 0 | | 11 | | 11 | | 11 | 0 | | | 0 | 0 | | 0 | | 0 | | 11 | 11 | |
| .8 | 0 | | 0 | | | | | | | | | | | | | | | | | |
| .9 | 0 | | 0 | | | | 0 | | | | | | | | | | | | | |
| .10 | 0 | | 11 | | 11 | 0 | | | 0 | | 0 | 0 | | 0 | | 0 | | 11 | | 0 |
| .11 | | 11 | | | | | | | | | | | | | | | | | | |
| .12 | 0 | | | | | | | | | | | | | | | | | | | |
| .13 | | | 0 | | 0 | 0 | 0 | | 0 | | 0 | 0 | | | | | | 0 | | |
| .14 | 0 | | | | | | 0 | | 0 | | | 0 | | | | 0 | | | | |
| .15 | 0 | | | | | | 0 | | 0 | | | | | | | | | | | |
| .16 | | | 0 | | | | | | | | | | | | | | | | | |
| .17 | 0 | | 0 | | 0 | | 0 | | 0 | | | | | 0 | | | | | | 0 |
| .18 | 0 | | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | | | | 0 | | | | |
| .19 | | | 0 | | 11 | 11 | | | | | | 0 | | | | | | | | |
| .20 | | | | | 11 | | | | | | | | | | | | | | 11 | |
| .21 | | | | | | | | | | | | | | | | | | | 12 | |
| .22 | 0 | | 30 | | | | | | | | | | | 13 | | | | | | |
| .23 | | | 26 | | | | | | | | | | | | | | | | | |
| .24 | | | 29 | | | | 17 | | 20 | | | | | | | | | | | |
| .25 | | | 24 | | 23 | | 15 | | 17 | | | | | 14 | | 16 | | | | |
| .26 | | | 18 | | 11 | | | | 13 | 14 | | | | 12 | | | | | | |
| .27 | 0 | | 14 | | 11 | | | | 0 | | | | | | | | | | | 12 |
| .28 | | | | | | | | | | | | | | | | | | | | |
| .29 | 0 | | 0 | | | | | | 0 | | | | | | | | | | | |
| .30 | 0 | | | | 11 | | 0 | | | | | | | 0 | | | | | | 0 |
| .31 | | | 14 | | | | 0 | | 0 | | | | | 0 | | | | | | |
| | SL 125 | SL 149 | SL 147 | | | | | | | | | | | | | | | | | |
| .1 | | 0 | | | | | | | | | | | | | | | | | | |
| .2 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| .3 | | | 0 | | | | | | | | | | | | | | | | | |
| .4 | | | 0 | | | | | | | | | | | | | | | | | |
| .5 | | 0 | 0 | | | | | | | | | | | | | | | | | |
| .6 | | | | | | | | | | | | | | | | | | | | |
| .7 | 0 | 11 | 0 | | | | | | | | | | | | | | | | | |
| .8 | 0 | | | | | | | | | | | | | | | | | | | |
| .9 | | 0 | | | | | | | | | | | | | | | | | | |
| .10 | 0 | 11 | | | | | | | | | | | | | | | | | | |
| .11 | | 11 | | | | | | | | | | | | | | | | | | |
| .12 | | | | | | | | | | | | | | | | | | | | |
| .13 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .14 | | | | | | | | | | | | | | | | | | | | |
| .15 | 0 | | | | | | | | | | | | | | | | | | | |
| .16 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .17 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .18 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| .19 | 0 | 11 | | | | | | | | | | | | | | | | | | |
| .20 | 19 | | | | | | | | | | | | | | | | | | | |
| .21 | | | | | | | | | | | | | | | | | | | | |
| .22 | | 27 | | | | | | | | | | | | | | | | | | |
| .23 | 31 | 32 | | | | | | | | | | | | | | | | | | |
| .24 | | 26 | | | | | | | | | | | | | | | | | | |
| .25 | 27 | 22 | | | | | | | | | | | | | | | | | | |
| .26 | 21 | 22 | | | | | | | | | | | | | | | | | | |
| .27 | 19 | 13 | | | | | | | | | | | | | | | | | | |
| .28 | | | | | | | | | | | | | | | | | | | | |
| .29 | | 0 | | | | | | | | | | | | | | | | | | |
| .30 | | 0 | | | | | | | | | | | | | | | | | | |
| .31 | | | | | | | | | | | | | | | | | | | | |

Počet pozorování v jednotlivých měsících roku 2017

| Číslo | Název stanice | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII | Σ |
|---------------|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| SL 001 | Hv. - Praha Petřín | 17 | 13 | 20 | 20 | 18 | 21 | 23 | 20 | 15 | 18 | 8 | 14 | 207 |
| SL 014 | Hv. - Prešov | 8 | 4 | 6 | 7 | 16 | 11 | 12 | 9 | 13 | 7 | 8 | 1 | 102 |
| SL 065 | Hv. - Humenné | 10 | 10 | 17 | 20 | 27 | 27 | 26 | 23 | 21 | 21 | 7 | 5 | 214 |
| SL 077 | Hv. - SÚH Hurbanovo | 22 | 15 | 27 | 24 | 30 | 30 | 29 | 31 | 20 | 25 | 19 | 19 | 291 |
| SL 080 | Hv. - Banská Bystrica | 1 | 1 | 2 | 7 | 17 | 20 | 12 | 6 | 7 | 6 | 2 | 0 | 81 |
| SL 085 | Hv. - Žilina | 22 | 11 | 25 | 19 | 28 | 28 | 30 | 27 | 16 | 19 | 13 | 13 | 251 |
| SL 086 | Hv. - Hlohovec | 13 | 4 | 21 | 11 | 20 | 22 | 11 | 16 | 9 | 15 | 7 | 6 | 155 |
| SL 089 | Hv. - Žiar nad Hronom | 15 | 5 | 16 | 8 | 19 | 14 | 10 | 14 | 8 | 5 | 9 | 1 | 124 |
| SL 090 | Konečný J. - Hlívce | 18 | 16 | 30 | 24 | 31 | 30 | 31 | 31 | 23 | 21 | 16 | 14 | 285 |
| SL 092 | Hv. - Rimavská Sobota | 15 | 2 | 19 | 6 | 19 | 22 | 21 | 22 | 18 | 16 | 11 | 3 | 174 |
| SL 097 | Hv. - Sezimovo Ústí | 18 | 17 | 21 | 14 | 24 | 28 | 21 | 22 | 9 | 16 | 7 | 14 | 211 |
| SL 098 | Hv. - AVČR Ondřejov | 4 | 6 | 9 | 6 | 15 | 23 | 25 | 26 | 15 | 2 | 0 | 2 | 133 |
| SL 116 | Hv. - Kysucké Nové Město | 8 | 7 | 15 | 9 | 15 | 22 | 15 | 20 | 13 | 14 | 7 | 5 | 150 |
| SL 118 | Hv. - Prostějov | 11 | 6 | 8 | 7 | 15 | 20 | 9 | 14 | 6 | 8 | 6 | 6 | 116 |
| SL 120 | Hv. - Michalovce | 10 | 4 | 11 | 6 | 15 | 20 | 8 | 16 | 12 | 11 | 6 | 1 | 120 |
| SL 125 | Ak. - Prievidza | 27 | 16 | 24 | 27 | 30 | 29 | 31 | 28 | 20 | 21 | 15 | 15 | 283 |
| SL 127 | Zagrodník J. - Krosno | 15 | 15 | 18 | 12 | 23 | 29 | 27 | 25 | 16 | 17 | 12 | 8 | 217 |
| SL 141 | Ehrenberger R. - Polička | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 7 |
| SL 142 | Číhal R. - Brno | 9 | 4 | 13 | 12 | 16 | 17 | 21 | 26 | 12 | 12 | 7 | 7 | 156 |
| SL 144 | Gajdoš P. - Prešov | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| SL 146 | Ak. - Košice | 7 | 5 | 15 | 5 | 18 | 21 | 11 | 10 | 14 | 12 | 12 | 8 | 138 |
| SL 147 | Perdoch T. - Brno | 0 | 2 | 11 | 11 | 18 | 17 | 25 | 23 | 3 | 20 | 16 | 5 | 151 |
| SL 149 | Molnár I. - Nedeš | 5 | 6 | 7 | 10 | 18 | 17 | 31 | 29 | 24 | 19 | 16 | 20 | 202 |
| součet | | 257 | 170 | 337 | 266 | 434 | 469 | 431 | 438 | 294 | 305 | 204 | 167 | 3772 |

Výsledky redukce vizuálních pozorování Slunce za rok 2017

Výsledná řada „ Česlopol „

| měsíc | n | Σ_n | n/den | R_{Sn} | $R_{\check{c}SP}$ | k_{Sn} | σ | σ/k | % n |
|-------------|-----|------------|-------|----------|-------------------|----------|----------|------------|-------|
| I. | 26 | 189 | 7,3 | 13,2 | 19,0 | 0,879 | 0,411 | 0,468 | 83,9 |
| II. | 26 | 203 | 7,8 | 18,8 | 23,7 | 0,789 | 0,288 | 0,365 | 92,9 |
| III. | 31 | 442 | 14,3 | 15,4 | 19,6 | 0,788 | 0,289 | 0,367 | 100,0 |
| IV. | 30 | 440 | 14,7 | 8,0 | 10,0 | 0,978 | 0,840 | 0,859 | 100,0 |
| V. | 30 | 326 | 10,9 | 8,7 | 10,5 | 0,992 | 0,581 | 0,585 | 96,8 |
| VI. | 29 | 430 | 14,8 | 13,6 | 15,8 | 0,917 | 0,369 | 0,402 | 96,7 |
| VII. | 31 | 491 | 15,8 | 16,1 | 21,0 | 0,774 | 0,134 | 0,173 | 100,0 |
| VIII. | 31 | 478 | 15,4 | 19,6 | 26,1 | 0,754 | 0,318 | 0,422 | 100,0 |
| IX. | 30 | 376 | 12,5 | 25,2 | 30,7 | 0,88 | 0,371 | 0,422 | 100,0 |
| X. | 30 | 389 | 13,0 | 23,5 | 27,9 | 0,878 | 0,362 | 0,413 | 96,8 |
| XI. | 29 | 275 | 9,5 | 21,5 | 26,2 | 0,771 | 0,153 | 0,199 | 96,7 |
| XII. | 29 | 187 | 6,4 | 14,4 | 18,1 | 0,946 | 0,653 | 0,690 | 93,5 |
| Σ | 352 | 4226 | | 198 | 248,6 | 10,346 | 4,769 | 5,364 | |
| \emptyset | | | 11,9 | 16,5 | 20,7 | 0,862 | 0,397 | 0,447 | 96,4 |

Leden

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 12 | 6 | 2 | 6,000 |
| 2 | 12 | 3 | 4 | 3,000 |
| 3 | 11 | 3 | 4 | 2,750 |
| 4 | 0 | 3 | 0 | 1,000 |
| 5 | 0 | 7 | 0 | 1,000 |
| 6 | 0 | 10 | 0 | 1,000 |
| 7 | 0 | 8 | 0 | 1,000 |
| 8 | 0 | 4 | 0 | 1,000 |
| 9 | 0 | 8 | 0 | 1,000 |
| 10 | 0 | 14 | 0 | 1,000 |
| 11 | 0 | 18 | 0 | 1,000 |
| 12 | 11 | 7 | 6 | 1,833 |
| 13 | 26 | 1 | 13 | 2,000 |
| 14 | 31 | 6 | 25 | 1,240 |
| 15 | 30 | 9 | 25 | 1,200 |
| 16 | 25 | 7 | 24 | 1,042 |
| 17 | 30 | 12 | 28 | 1,071 |
| 18 | 36 | 14 | 30 | 1,200 |
| 19 | 33 | 16 | 33 | 1,000 |
| 20 | 56 | 9 | 53 | 1,057 |
| 21 | 75 | 10 | 68 | 1,103 |
| 22 | 68 | 9 | 61 | 1,115 |
| 23 | 57 | 11 | 51 | 1,118 |
| 24 | 43 | 6 | 46 | 0,935 |
| 25 | 47 | 1 | 40 | 1,175 |
| 26 | 40 | 12 | 39 | 1,026 |
| 27 | 30 | 15 | 29 | 1,034 |
| 28 | 30 | 5 | 31 | 0,968 |
| 29 | 34 | 5 | 30 | 1,133 |
| 30 | 35 | 14 | 27 | 1,296 |
| 31 | 36 | 4 | 32 | 1,125 |
| Σ | | 257 | 701 | |
| n | 31 | 31 | | |
| Ø | 26,1 | 8,3 | 22,6 | |
| % | 100 | 100 | | |
| k | | | | 1,401 |
| σ | | | 0,985 | |

Únor

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 47 | * | * | * |
| 2 | 47 | 2 | 35 | 1,343 |
| 3 | 39 | 3 | 33 | 1,182 |
| 4 | 20 | 3 | 4 | 5,000 |
| 5 | 14 | 6 | 11 | 1,273 |
| 6 | 13 | * | * | * |
| 7 | 13 | 3 | 13 | 1,000 |
| 8 | 11 | 1 | 11 | 1,000 |
| 9 | 19 | 4 | 18 | 1,056 |
| 10 | 24 | 8 | 18 | 1,333 |
| 11 | 23 | 7 | 18 | 1,278 |
| 12 | 21 | 8 | 19 | 1,105 |
| 13 | 19 | 14 | 17 | 1,118 |
| 14 | 16 | 13 | 16 | 1,000 |
| 15 | 24 | 13 | 23 | 1,043 |
| 16 | 19 | 10 | 12 | 1,583 |
| 17 | 14 | 3 | 14 | 1,000 |
| 18 | 13 | 4 | 9 | 1,444 |
| 19 | 27 | 5 | 14 | 1,929 |
| 20 | 32 | 4 | 24 | 1,333 |
| 21 | 27 | 4 | 19 | 1,421 |
| 22 | 29 | 2 | 17 | 1,706 |
| 23 | 24 | 5 | 22 | 1,091 |
| 24 | 27 | 6 | 21 | 1,286 |
| 25 | 32 | 11 | 29 | 1,103 |
| 26 | 38 | 3 | 32 | 1,188 |
| 27 | 50 | 17 | 39 | 1,282 |
| 28 | 58 | 11 | 49 | 1,184 |
| 29 | | | | |
| 30 | | | | |
| 31 | | | | |
| Σ | | 170 | 537 | |
| n | 28 | 26 | | |
| Ø | 26,4 | 7 | 20,7 | |
| % | 100 | 92,9 | | |
| k | | | | 1,395 |
| σ | | | 0,770 | |

Březen

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 59 | 8 | 40 | 1,475 |
| 2 | 56 | 15 | 45 | 1,244 |
| 3 | 39 | 20 | 33 | 1,182 |
| 4 | 0 | 13 | 2 | |
| 5 | 14 | 6 | 4 | 3,500 |
| 6 | 0 | 8 | 4 | |
| 7 | 0 | 9 | 1 | |
| 8 | 0 | 12 | 1 | |
| 9 | 0 | 4 | 0 | 1,000 |
| 10 | 0 | 4 | 0 | 1,000 |
| 11 | 0 | 10 | 0 | 1,000 |
| 12 | 0 | 6 | 0 | 1,000 |
| 13 | 0 | 17 | 0 | 1,000 |
| 14 | 0 | 14 | 0 | 1,000 |
| 15 | 0 | 5 | 0 | 1,000 |
| 16 | 0 | 14 | 0 | 1,000 |
| 17 | 0 | 15 | 0 | 1,000 |
| 18 | 0 | 1 | 0 | 1,000 |
| 19 | 0 | 6 | 0 | 1,000 |
| 20 | 0 | 11 | 0 | 1,000 |
| 21 | 13 | 8 | 4 | 3,250 |
| 22 | 14 | 5 | 12 | 1,167 |
| 23 | 14 | 12 | 14 | 1,000 |
| 24 | 14 | 12 | 12 | 1,167 |
| 25 | 18 | 9 | 12 | 1,500 |
| 26 | 31 | 12 | 24 | 1,292 |
| 27 | 52 | 17 | 48 | 1,083 |
| 28 | 57 | 18 | 52 | 1,096 |
| 29 | 52 | 18 | 45 | 1,156 |
| 30 | 49 | 13 | 44 | 1,114 |
| 31 | 66 | 15 | 55 | 1,200 |
| Σ | | 337 | 452 | |
| n | 31 | 31 | | |
| Ø | 17,7 | 10,9 | 14,6 | |
| % | 100 | 100 | | |
| k | | | | 1,275 |
| σ | | | 0,622 | |

Duben

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 71 | 13 | 61 | 1,164 |
| 2 | 83 | 9 | 73 | 1,137 |
| 3 | 100 | 16 | 97 | 1,031 |
| 4 | 76 | 16 | 73 | 1,041 |
| 5 | 50 | 9 | 46 | 1,087 |
| 6 | 36 | 11 | 38 | 0,947 |
| 7 | 23 | 1 | 37 | 0,622 |
| 8 | 0 | 11 | 2 | |
| 9 | 12 | 12 | 4 | 3,000 |
| 10 | 14 | 19 | 11 | 1,273 |
| 11 | 14 | 10 | 13 | 1,077 |
| 12 | 22 | 9 | 13 | 1,692 |
| 13 | 25 | 7 | 14 | 1,786 |
| 14 | 19 | 10 | 13 | 1,462 |
| 15 | 0 | 5 | 2 | |
| 16 | 0 | 6 | 2 | |
| 17 | 0 | 5 | 0 | 1,000 |
| 18 | 23 | 6 | 17 | 1,353 |
| 19 | 15 | 1 | 15 | 1,000 |
| 20 | 28 | 4 | 18 | 1,556 |
| 21 | 40 | 16 | 35 | 1,143 |
| 22 | 30 | 4 | 30 | 1,000 |
| 23 | 43 | 10 | 34 | 1,265 |
| 24 | 46 | 20 | 43 | 1,070 |
| 25 | 41 | 12 | 41 | 1,000 |
| 26 | 38 | 4 | 35 | 1,086 |
| 27 | 26 | 1 | 25 | 1,040 |
| 28 | 36 | 1 | 36 | 1,000 |
| 29 | 34 | 8 | 30 | 1,133 |
| 30 | 24 | 10 | 20 | 1,200 |
| 31 | | | | |
| Σ | | 266 | 878 | |
| n | 30 | 30 | | |
| Ø | 32,3 | 8,9 | 29,3 | |
| % | 100 | 100 | | |
| k | | | | 1,228 |
| σ | | | 0,429 | |

Květen

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 12 | 12 | 13 | 0,923 |
| 2 | 29 | 13 | 25 | 1,160 |
| 3 | 18 | 13 | 18 | 1,000 |
| 4 | 17 | 12 | 20 | 0,850 |
| 5 | 31 | 8 | 32 | 0,969 |
| 6 | 27 | 12 | 27 | 1,000 |
| 7 | 23 | 8 | 25 | 0,920 |
| 8 | 11 | 10 | 11 | 1,000 |
| 9 | 0 | 13 | 3 | |
| 10 | 0 | 19 | 0 | 1,000 |
| 11 | 11 | 20 | 1 | #### |
| 12 | 15 | 16 | 4 | 3,750 |
| 13 | 0 | 10 | 0 | 1,000 |
| 14 | 0 | 13 | 0 | 1,000 |
| 15 | 0 | 15 | 0 | 1,000 |
| 16 | 25 | 19 | 19 | 1,316 |
| 17 | 12 | 20 | 12 | 1,000 |
| 18 | 24 | 19 | 19 | 1,263 |
| 19 | 25 | 18 | 24 | 1,042 |
| 20 | 30 | 8 | 27 | 1,111 |
| 21 | 37 | 8 | 28 | 1,321 |
| 22 | 50 | 16 | 48 | 1,042 |
| 23 | 55 | 15 | 51 | 1,078 |
| 24 | 20 | 11 | 29 | 0,690 |
| 25 | 31 | 13 | 29 | 1,069 |
| 26 | 25 | 18 | 27 | 0,926 |
| 27 | 24 | 12 | 23 | 1,043 |
| 28 | 21 | 13 | 19 | 1,105 |
| 29 | 14 | 19 | 15 | 0,933 |
| 30 | 0 | 14 | 0 | 1,000 |
| 31 | 0 | 17 | 0 | 1,000 |
| Σ | | 434 | 549 | |
| n | 31 | 31 | | |
| Ø | 18,9 | 14 | 17,7 | |
| % | 100 | 100 | | |
| k | | | | 1,450 |
| σ | | | 1,875 | |

Červen

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 15 | 21 | 13 | 1,154 |
| 2 | 23 | 20 | 22 | 1,045 |
| 3 | 24 | 17 | 24 | 1,000 |
| 4 | 25 | 9 | 27 | 0,926 |
| 5 | 34 | 17 | 30 | 1,133 |
| 6 | 24 | 17 | 28 | 0,857 |
| 7 | 14 | 18 | 16 | 0,875 |
| 8 | 14 | 18 | 15 | 0,933 |
| 9 | 0 | 19 | 5 | |
| 10 | 0 | 11 | 1 | |
| 11 | 0 | 10 | 0 | 1,000 |
| 12 | 0 | 14 | 2 | |
| 13 | 11 | 20 | 11 | 1,000 |
| 14 | 11 | 17 | 11 | 1,000 |
| 15 | 31 | 18 | 32 | 0,969 |
| 16 | 30 | 9 | 31 | 0,968 |
| 17 | 30 | 8 | 35 | 0,857 |
| 18 | 29 | 12 | 32 | 0,906 |
| 19 | 27 | 19 | 28 | 0,964 |
| 20 | 31 | 20 | 28 | 1,107 |
| 21 | 35 | 17 | 36 | 0,972 |
| 22 | 24 | 21 | 25 | 0,960 |
| 23 | 23 | 17 | 24 | 0,958 |
| 24 | 25 | 11 | 17 | 1,471 |
| 25 | 18 | 12 | 18 | 1,000 |
| 26 | 21 | 15 | 21 | 1,000 |
| 27 | 19 | 15 | 20 | 0,950 |
| 28 | 16 | 16 | 18 | 0,889 |
| 29 | 12 | 13 | 14 | 0,857 |
| 30 | 11 | 18 | 12 | 0,917 |
| 31 | | | | |
| Σ | | 469 | 596 | |
| n | 30 | 30 | | |
| Ø | 19,2 | 15,6 | 19,9 | |
| % | 100 | 100 | | |
| k | | | | 0,988 |
| σ | | | 0,124 | |

Červenec

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 25 | 13 | 13 | 1,923 |
| 2 | 13 | 10 | 10 | 1,300 |
| 3 | 0 | 17 | 3 | |
| 4 | 0 | 13 | 0 | 1,000 |
| 5 | 7 | 12 | 2 | 3,500 |
| 6 | 16 | 16 | 15 | 1,067 |
| 7 | 26 | 14 | 27 | 0,963 |
| 8 | 31 | 13 | 29 | 1,069 |
| 9 | 43 | 13 | 38 | 1,132 |
| 10 | 45 | 14 | 40 | 1,125 |
| 11 | 38 | 19 | 40 | 0,950 |
| 12 | 61 | 17 | 56 | 1,089 |
| 13 | 59 | 19 | 55 | 1,073 |
| 14 | 52 | 19 | 47 | 1,106 |
| 15 | 33 | 10 | 28 | 1,179 |
| 16 | 21 | 10 | 21 | 1,000 |
| 17 | 22 | 17 | 19 | 1,158 |
| 18 | 0 | 17 | 1 | |
| 19 | 0 | 16 | 1 | |
| 20 | 0 | 15 | 0 | 1,000 |
| 21 | 0 | 17 | 0 | 1,000 |
| 22 | 0 | 12 | 0 | 1,000 |
| 23 | 0 | 12 | 0 | 1,000 |
| 24 | 0 | 9 | 0 | 1,000 |
| 25 | 12 | 9 | 4 | 3,000 |
| 26 | 12 | 15 | 1 | |
| 27 | 0 | 11 | 0 | 1,000 |
| 28 | 11 | 13 | 2 | 5,500 |
| 29 | 12 | 11 | 3 | 4,000 |
| 30 | 15 | 12 | 6 | 2,500 |
| 31 | 0 | 16 | 0 | 1,000 |
| Σ | | 431 | 461 | |
| n | 31 | 31 | | |
| Ø | 17,9 | 13,9 | 14,9 | |
| % | 100 | 100 | | |
| k | | | | 1,579 |
| σ | | | 1,140 | |

Srpen

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 13 | 19 | 8 | 1,625 |
| 2 | 13 | 19 | 12 | 1,083 |
| 3 | 13 | 19 | 13 | 1,000 |
| 4 | 14 | 16 | 14 | 1,000 |
| 5 | 13 | 11 | 13 | 1,000 |
| 6 | 13 | 7 | 13 | 1,000 |
| 7 | 12 | 15 | 12 | 1,000 |
| 8 | 13 | 20 | 12 | 1,083 |
| 9 | 12 | 19 | 11 | 1,091 |
| 10 | 14 | 18 | 12 | 1,167 |
| 11 | 12 | 14 | 11 | 1,091 |
| 12 | 13 | 8 | 11 | 1,182 |
| 13 | 12 | 11 | 11 | 1,091 |
| 14 | 13 | 16 | 6 | 2,167 |
| 15 | 22 | 17 | 18 | 1,222 |
| 16 | 33 | 17 | 29 | 1,138 |
| 17 | 45 | 17 | 39 | 1,154 |
| 18 | 45 | 17 | 43 | 1,047 |
| 19 | 50 | 4 | 35 | 1,429 |
| 20 | 60 | 8 | 52 | 1,154 |
| 21 | 63 | 14 | 53 | 1,189 |
| 22 | 63 | 14 | 54 | 1,167 |
| 23 | 69 | 14 | 56 | 1,232 |
| 24 | 54 | 16 | 46 | 1,174 |
| 25 | 53 | 15 | 46 | 1,152 |
| 26 | 48 | 10 | 44 | 1,091 |
| 27 | 38 | 10 | 38 | 1,000 |
| 28 | 23 | 14 | 20 | 1,150 |
| 29 | 40 | 11 | 36 | 1,111 |
| 30 | 51 | 15 | 46 | 1,109 |
| 31 | 73 | 13 | 64 | 1,141 |
| Σ | | 438 | 878 | |
| n | 31 | 31 | | |
| Ø | 32,6 | 14,1 | 28,3 | |
| % | 100 | 100 | | |
| k | | | | 1,169 |
| σ | | | 0,225 | |

Září

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 59 | 8 | 60 | 0,983 |
| 2 | 56 | 6 | 50 | 1,120 |
| 3 | 105 | 2 | 70 | 1,500 |
| 4 | 112 | 15 | 123 | 0,911 |
| 5 | 119 | 9 | 124 | 0,960 |
| 6 | 100 | 10 | 125 | 0,800 |
| 7 | 97 | 13 | 108 | 0,898 |
| 8 | 88 | 17 | 98 | 0,898 |
| 9 | 62 | 10 | 63 | 0,984 |
| 10 | 40 | 8 | 47 | 0,851 |
| 11 | 29 | 9 | 27 | 1,074 |
| 12 | 11 | 6 | 11 | 1,000 |
| 13 | 23 | 17 | 15 | 1,533 |
| 14 | 12 | 17 | 12 | 1,000 |
| 15 | 12 | 11 | 12 | 1,000 |
| 16 | 13 | 2 | 12 | 1,083 |
| 17 | 14 | 1 | 12 | 1,167 |
| 18 | 13 | 15 | 13 | 1,000 |
| 19 | 11 | 1 | 11 | 1,000 |
| 20 | 21 | 9 | 20 | 1,050 |
| 21 | 22 | 3 | 19 | 1,158 |
| 22 | 21 | 9 | 14 | 1,500 |
| 23 | 12 | 2 | 12 | 1,000 |
| 24 | 23 | 1 | 22 | 1,045 |
| 25 | 36 | 13 | 39 | 0,923 |
| 26 | 39 | 13 | 40 | 0,975 |
| 27 | 37 | 16 | 42 | 0,881 |
| 28 | 42 | 18 | 46 | 0,913 |
| 29 | 42 | 19 | 45 | 0,933 |
| 30 | 40 | 14 | 40 | 1,000 |
| 31 | | | | |
| Σ | | 294 | 1332 | |
| n | 30 | 30 | | |
| Ø | 43,7 | 9,8 | 44,4 | |
| % | 100 | 100 | | |
| k | | | | 1,038 |
| σ | | | 0,181 | |

Říjen

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 35 | 12 | 37 | 0,946 |
| 2 | 25 | 18 | 34 | 0,735 |
| 3 | 24 | 3 | 24 | 1,000 |
| 4 | 27 | 13 | 28 | 0,964 |
| 5 | 26 | 4 | 29 | 0,897 |
| 6 | 23 | 12 | 24 | 0,958 |
| 7 | 11 | 9 | 12 | 0,917 |
| 8 | 11 | 4 | 0 | |
| 9 | 0 | 15 | 0 | 1,000 |
| 10 | 0 | 9 | 0 | 1,000 |
| 11 | 0 | 8 | 2 | |
| 12 | 0 | 15 | 0 | 1,000 |
| 13 | 0 | 15 | 2 | |
| 14 | 11 | 12 | 0 | |
| 15 | 0 | 10 | 0 | 1,000 |
| 16 | 0 | 20 | 0 | 1,000 |
| 17 | 0 | 15 | 0 | 1,000 |
| 18 | 0 | 11 | 0 | 1,000 |
| 19 | 0 | 14 | 0 | 1,000 |
| 20 | 0 | 14 | 0 | 1,000 |
| 21 | 11 | 2 | 11 | 1,000 |
| 22 | 11 | 1 | 11 | 1,000 |
| 23 | 23 | * | * | * |
| 24 | 23 | 12 | 23 | 1,000 |
| 25 | 23 | 7 | 21 | 1,095 |
| 26 | 23 | 13 | 24 | 0,958 |
| 27 | 23 | 4 | 25 | 0,920 |
| 28 | 24 | 1 | 11 | 2,182 |
| 29 | 23 | 9 | 23 | 1,000 |
| 30 | 21 | 14 | 21 | 1,000 |
| 31 | 11 | 9 | 11 | 1,000 |
| Σ | | 305 | 373 | |
| n | 31 | 30 | | |
| Ø | 13,2 | 10,2 | 12,4 | |
| % | 100 | 96,8 | | |
| k | | | | 1,022 |
| σ | | | 0,245 | |

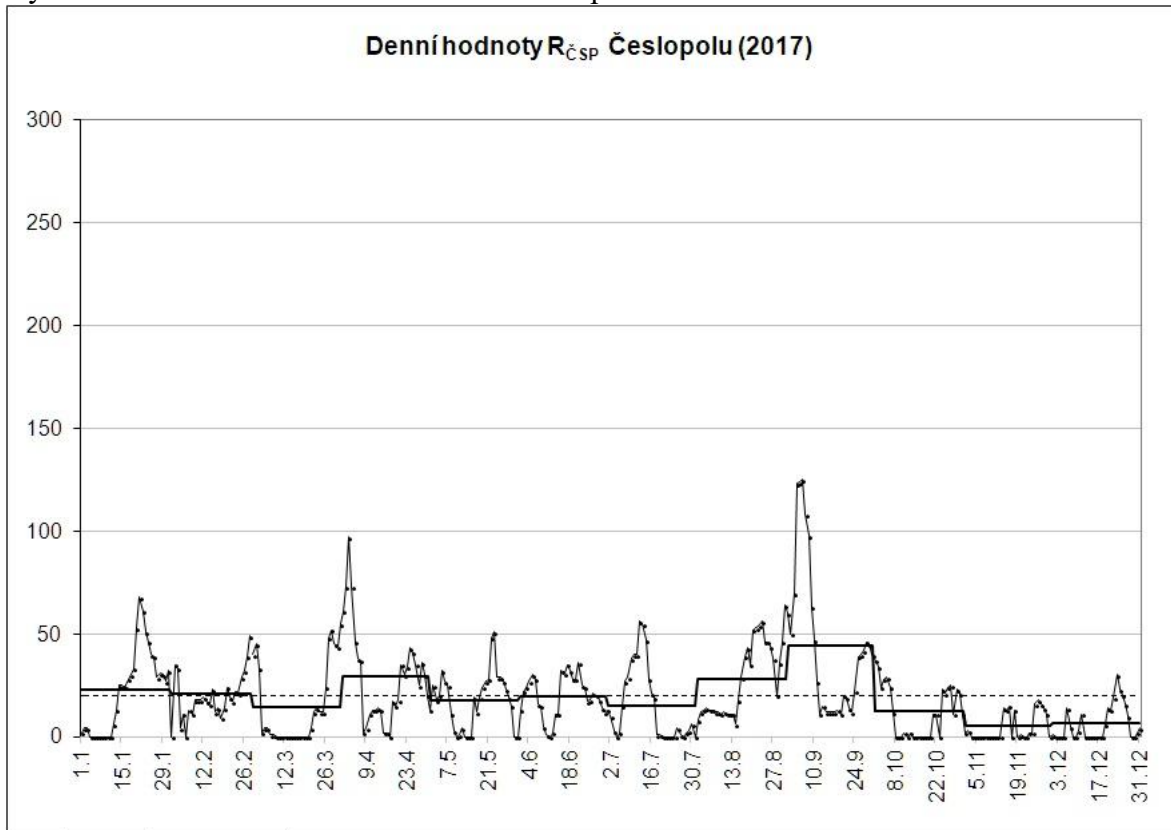
Listopad

| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 0 | 5 | 2 | |
| 2 | 0 | 8 | 3 | |
| 3 | 0 | 6 | 0 | 1,000 |
| 4 | 0 | 13 | 0 | 1,000 |
| 5 | 0 | 6 | 0 | 1,000 |
| 6 | 0 | 14 | 0 | 1,000 |
| 7 | 0 | 11 | 0 | 1,000 |
| 8 | 0 | 4 | 0 | 1,000 |
| 9 | 0 | * | * | * |
| 10 | 0 | 1 | 0 | 1,000 |
| 11 | 0 | 8 | 0 | 1,000 |
| 12 | 0 | 3 | 0 | 1,000 |
| 13 | 0 | 2 | 0 | 1,000 |
| 14 | 13 | 14 | 14 | 0,929 |
| 15 | 15 | 18 | 13 | 1,154 |
| 16 | 16 | 13 | 15 | 1,067 |
| 17 | 25 | * | * | * |
| 18 | 15 | 6 | 13 | 1,154 |
| 19 | 0 | 2 | 0 | 1,000 |
| 20 | 0 | 12 | 1 | |
| 21 | 0 | 1 | 0 | 1,000 |
| 22 | 0 | 8 | 0 | 1,000 |
| 23 | 0 | 6 | 2 | |
| 24 | 0 | 7 | 2 | |
| 25 | 15 | 4 | 16 | 0,938 |
| 26 | 17 | 6 | 18 | 0,944 |
| 27 | 16 | 16 | 16 | 1,000 |
| 28 | 15 | 9 | 14 | 1,071 |
| 29 | 13 | 1 | 11 | 1,182 |
| 30 | 11 | * | * | * |
| 31 | | | | |
| Σ | | 204 | 140 | |
| n | 30 | 27 | | |
| Ø | 5,7 | 7,6 | 5,2 | |
| % | 100 | 90 | | |
| k | | | | 1,020 |
| σ | | | 0,067 | |

Prosinec

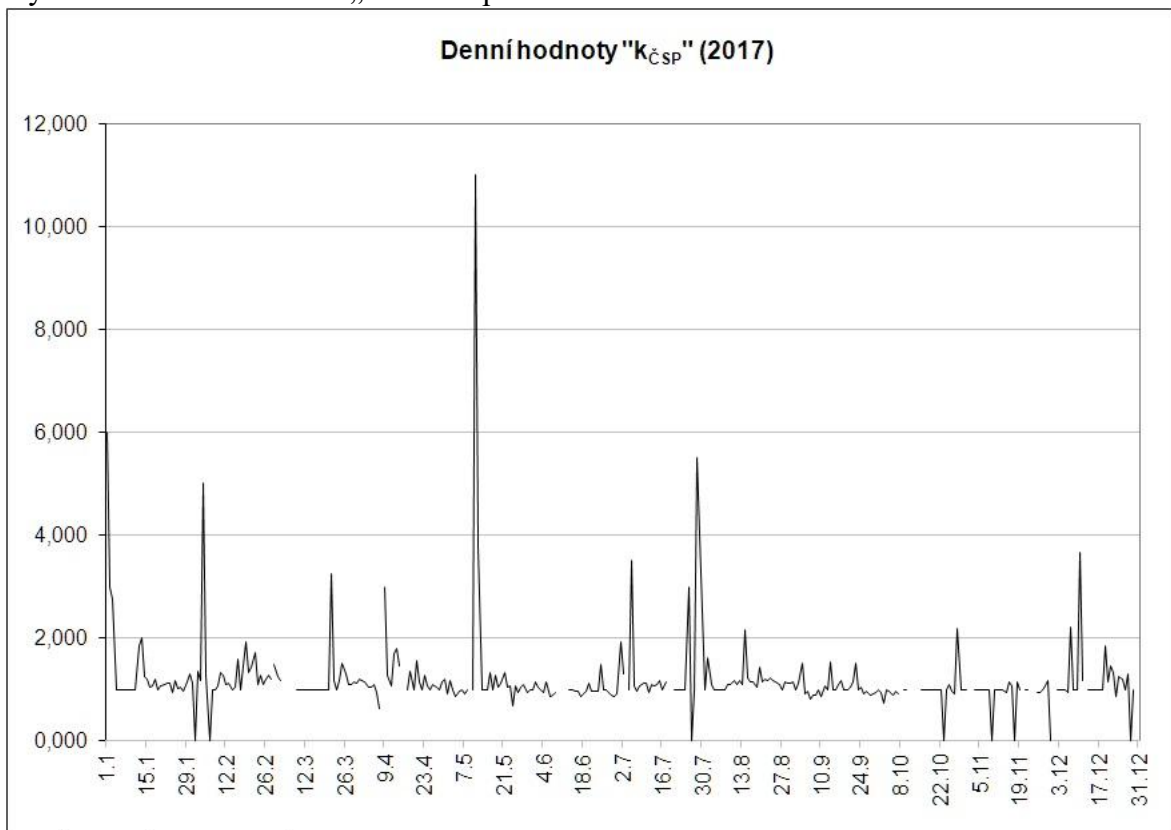
| Den | R _{Sn} | počet pozorování | R _{ČSP} | k |
|-----|-----------------|------------------|------------------|-------|
| 1 | 0 | 9 | 1 | |
| 2 | 0 | 10 | 0 | 1,000 |
| 3 | 0 | 2 | 0 | 1,000 |
| 4 | 0 | 3 | 0 | 1,000 |
| 5 | 0 | 6 | 0 | 1,000 |
| 6 | 13 | 1 | 14 | 0,929 |
| 7 | 11 | 14 | 5 | 2,200 |
| 8 | 0 | 3 | 0 | 1,000 |
| 9 | 0 | 4 | 0 | 1,000 |
| 10 | 11 | 13 | 3 | 3,667 |
| 11 | 13 | 2 | 11 | 1,182 |
| 12 | 13 | 1 | 0 | |
| 13 | 0 | 10 | 0 | 1,000 |
| 14 | 0 | 5 | 0 | 1,000 |
| 15 | 0 | 4 | 0 | 1,000 |
| 16 | 0 | 3 | 0 | 1,000 |
| 17 | 0 | 9 | 0 | 1,000 |
| 18 | 0 | 11 | 0 | 1,000 |
| 19 | 11 | 7 | 6 | 1,833 |
| 20 | 16 | 3 | 14 | 1,143 |
| 21 | 19 | 1 | 13 | 1,462 |
| 22 | 25 | 3 | 19 | 1,316 |
| 23 | 26 | 3 | 30 | 0,867 |
| 24 | 29 | 4 | 23 | 1,261 |
| 25 | 24 | 8 | 20 | 1,200 |
| 26 | 16 | 7 | 16 | 1,000 |
| 27 | 13 | 7 | 10 | 1,300 |
| 28 | 0 | * | * | * |
| 29 | 0 | 4 | 0 | 1,000 |
| 30 | 0 | 6 | 2 | |
| 31 | 13 | 4 | 4 | 3,250 |
| Σ | | 167 | 191 | |
| n | 31 | 30 | | |
| Ø | 8,2 | 5,6 | 6,4 | |
| % | 100 | 96,8 | | |
| k | | | | 1,319 |
| σ | | | 0,684 | |

Výsledná řada denních relativních čísel Česlopolu za rok 2017



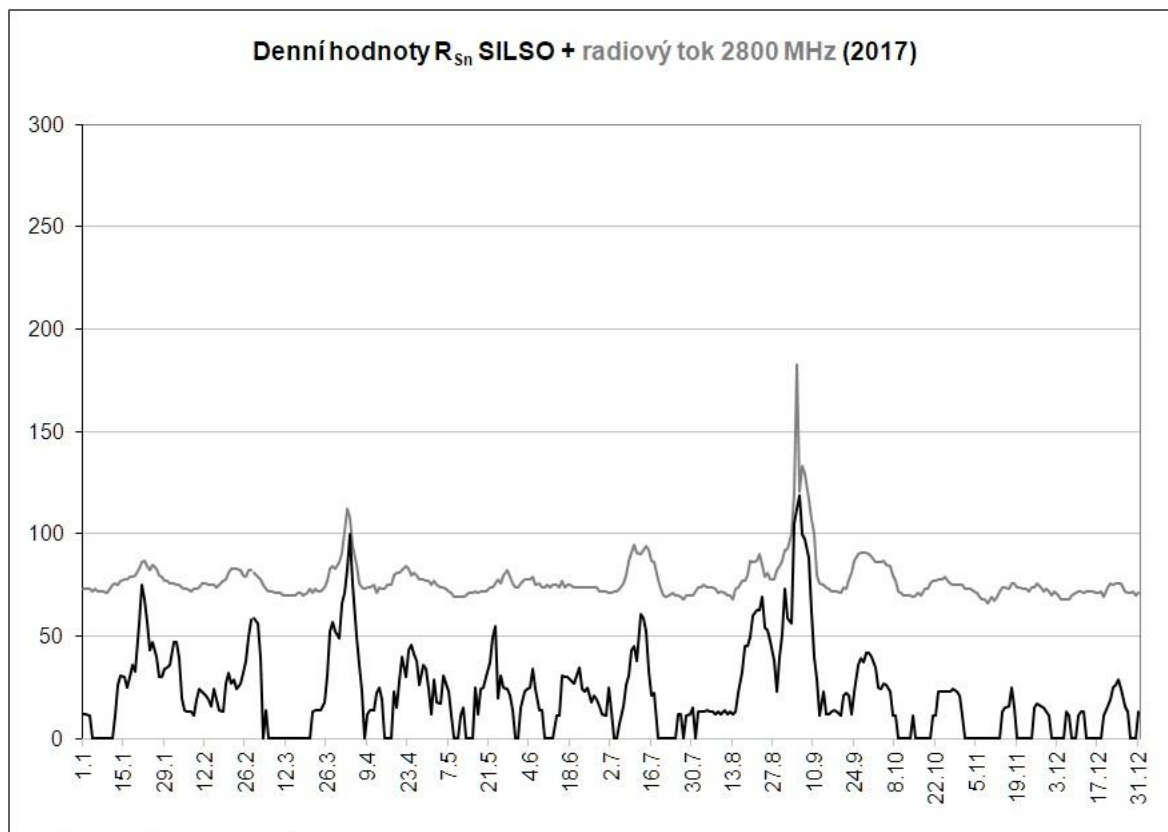
Obr. 3

Výsledná řada koeficientu „k“ Česlopolu za rok 2017



Obr 4

Definitivní relativní čísla S.I.D.C Brusel a radiového toku Ottawa



Obr 5

Definitivní napozorovaná relativní čísla Česlopolu za rok 2017

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|-------------|-------------|------------|--------------|
| 1. | 2 | * | 40 | 61 | 13 | 13 | 13 | 8 | 60 | 37 | 2 | 1 |
| 2. | 4 | 35 | 45 | 73 | 25 | 22 | 10 | 12 | 50 | 34 | 3 | 0 |
| 3. | 4 | 33 | 33 | 97 | 18 | 24 | 3 | 13 | 70 | 24 | 0 | 0 |
| 4. | 0 | 4 | 2 | 73 | 20 | 27 | 0 | 14 | 123 | 28 | 0 | 0 |
| 5. | 0 | 11 | 4 | 46 | 32 | 30 | 2 | 13 | 124 | 29 | 0 | 0 |
| 6. | 0 | * | 4 | 38 | 27 | 28 | 15 | 13 | 125 | 24 | 0 | 14 |
| 7. | 0 | 13 | 1 | 37 | 25 | 16 | 27 | 12 | 108 | 12 | 0 | 5 |
| 8. | 0 | 11 | 1 | 2 | 11 | 15 | 29 | 12 | 98 | 0 | 0 | 0 |
| 9. | 0 | 18 | 0 | 4 | 3 | 5 | 38 | 11 | 63 | 0 | * | 0 |
| 10. | 0 | 18 | 0 | 11 | 0 | 1 | 40 | 12 | 47 | 0 | 0 | 3 |
| 11. | 0 | 18 | 0 | 13 | 1 | 0 | 40 | 11 | 27 | 2 | 0 | 11 |
| 12. | 6 | 19 | 0 | 13 | 4 | 2 | 56 | 11 | 11 | 0 | 0 | 0 |
| 13. | 13 | 17 | 0 | 14 | 0 | 11 | 55 | 11 | 15 | 2 | 0 | 0 |
| 14. | 25 | 16 | 0 | 13 | 0 | 11 | 47 | 6 | 12 | 0 | 14 | 0 |
| 15. | 25 | 23 | 0 | 2 | 0 | 32 | 28 | 18 | 12 | 0 | 13 | 0 |
| 16. | 24 | 12 | 0 | 2 | 19 | 31 | 21 | 29 | 12 | 0 | 15 | 0 |
| 17. | 28 | 14 | 0 | 0 | 12 | 35 | 19 | 39 | 12 | 0 | * | 0 |
| 18. | 30 | 9 | 0 | 17 | 19 | 32 | 1 | 43 | 13 | 0 | 13 | 0 |
| 19. | 33 | 14 | 0 | 15 | 24 | 28 | 1 | 35 | 11 | 0 | 0 | 6 |
| 20. | 53 | 24 | 0 | 18 | 27 | 28 | 0 | 52 | 20 | 0 | 1 | 14 |
| 21. | 68 | 19 | 4 | 35 | 28 | 36 | 0 | 53 | 19 | 11 | 0 | 13 |
| 22. | 61 | 17 | 12 | 30 | 48 | 25 | 0 | 54 | 14 | 11 | 0 | 19 |
| 23. | 51 | 22 | 14 | 34 | 51 | 24 | 0 | 56 | 12 | * | 2 | 30 |
| 24. | 46 | 21 | 12 | 43 | 29 | 17 | 0 | 46 | 22 | 23 | 2 | 23 |
| 25. | 40 | 29 | 12 | 41 | 29 | 18 | 4 | 46 | 39 | 21 | 16 | 20 |
| 26. | 39 | 32 | 24 | 35 | 27 | 21 | 1 | 44 | 40 | 24 | 18 | 16 |
| 27. | 29 | 39 | 48 | 25 | 23 | 20 | 0 | 38 | 42 | 25 | 16 | 10 |
| 28. | 31 | 49 | 52 | 36 | 19 | 18 | 2 | 20 | 46 | 11 | 14 | * |
| 29. | 30 | | 45 | 30 | 15 | 14 | 3 | 36 | 45 | 23 | 11 | 0 |
| 30. | 27 | | 44 | 20 | 0 | 12 | 6 | 46 | 40 | 21 | * | 2 |
| 31. | 32 | | 55 | | 0 | | 0 | 64 | | 11 | | 4 |
| Ø | 22,6 | 20,7 | 14,6 | 29,3 | 17,7 | 19,9 | 14,9 | 28,3 | 44,4 | 12,4 | 5,2 | 6,4 |
| průměr za rok | | | 19,7 | | | | | pozorování dní v roce | 358 | | | 98,1% |
| | | | | | | | | počet nulových dní | 74 | | | |

Definitivní relativní čísla mezinárodní řady SILSO Brusel za rok 2017

| | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| 1. | 12 | 47 | 59 | 71 | 12 | 15 | 25 | 13 | 59 | 35 | 0 | 0 |
| 2. | 12 | 47 | 56 | 83 | 29 | 23 | 13 | 13 | 56 | 25 | 0 | 0 |
| 3. | 11 | 39 | 39 | 100 | 18 | 24 | 0 | 13 | 105 | 24 | 0 | 0 |
| 4. | 0 | 20 | 0 | 76 | 17 | 25 | 0 | 14 | 112 | 27 | 0 | 0 |
| 5. | 0 | 14 | 14 | 50 | 31 | 34 | 7 | 13 | 119 | 26 | 0 | 0 |
| 6. | 0 | 13 | 0 | 36 | 27 | 24 | 16 | 13 | 100 | 23 | 0 | 13 |
| 7. | 0 | 13 | 0 | 23 | 23 | 14 | 26 | 12 | 97 | 11 | 0 | 11 |
| 8. | 0 | 11 | 0 | 0 | 11 | 14 | 31 | 13 | 88 | 11 | 0 | 0 |
| 9. | 0 | 19 | 0 | 12 | 0 | 0 | 43 | 12 | 62 | 0 | 0 | 0 |
| 10. | 0 | 24 | 0 | 14 | 0 | 0 | 45 | 14 | 40 | 0 | 0 | 11 |
| 11. | 0 | 23 | 0 | 14 | 11 | 0 | 38 | 12 | 29 | 0 | 0 | 13 |
| 12. | 11 | 21 | 0 | 22 | 15 | 0 | 61 | 13 | 11 | 0 | 0 | 13 |
| 13. | 26 | 19 | 0 | 25 | 0 | 11 | 59 | 12 | 23 | 0 | 0 | 0 |
| 14. | 31 | 16 | 0 | 19 | 0 | 11 | 52 | 13 | 12 | 11 | 13 | 0 |
| 15. | 30 | 24 | 0 | 0 | 0 | 31 | 33 | 22 | 12 | 0 | 15 | 0 |
| 16. | 25 | 19 | 0 | 0 | 25 | 30 | 21 | 33 | 13 | 0 | 16 | 0 |
| 17. | 30 | 14 | 0 | 0 | 12 | 30 | 22 | 45 | 14 | 0 | 25 | 0 |
| 18. | 36 | 13 | 0 | 23 | 24 | 29 | 0 | 45 | 13 | 0 | 15 | 0 |
| 19. | 33 | 27 | 0 | 15 | 25 | 27 | 0 | 50 | 11 | 0 | 0 | 11 |
| 20. | 56 | 32 | 0 | 28 | 30 | 31 | 0 | 60 | 21 | 0 | 0 | 16 |
| 21. | 75 | 27 | 13 | 40 | 37 | 35 | 0 | 63 | 22 | 11 | 0 | 19 |
| 22. | 68 | 29 | 14 | 30 | 50 | 24 | 0 | 63 | 21 | 11 | 0 | 25 |
| 23. | 57 | 24 | 14 | 43 | 55 | 23 | 0 | 69 | 12 | 23 | 0 | 26 |
| 24. | 43 | 27 | 14 | 46 | 20 | 25 | 0 | 54 | 23 | 23 | 0 | 29 |
| 25. | 47 | 32 | 18 | 41 | 31 | 18 | 12 | 53 | 36 | 23 | 15 | 24 |
| 26. | 40 | 38 | 31 | 38 | 25 | 21 | 12 | 48 | 39 | 23 | 17 | 16 |
| 27. | 30 | 50 | 52 | 26 | 24 | 19 | 0 | 38 | 37 | 23 | 16 | 13 |
| 28. | 30 | 58 | 57 | 36 | 21 | 16 | 11 | 23 | 42 | 24 | 15 | 0 |
| 29. | 34 | | 52 | 34 | 14 | 12 | 12 | 40 | 42 | 23 | 13 | 0 |
| 30. | 35 | | 49 | 24 | 0 | 11 | 15 | 51 | 40 | 21 | 11 | 0 |
| 31. | 36 | | 66 | | 0 | | 0 | 73 | | 11 | | 13 |
| Ø | 26,1 | 26,4 | 17,7 | 32,3 | 18,9 | 19,2 | 17,9 | 32,6 | 43,7 | 13,2 | 5,7 | 8,2 |
| průměr za rok | | | 21,8 | | | | | | | | | |

Souhrnná tabulka pozorovacích stanic v Česlopolu za rok 2017

| Stanice | n | R _{Sh} | R _{ČSP} | R _p | k _{Sh} | k _{ČSP} | σ | σ/k | % n |
|--------------------------|-----|-----------------|------------------|----------------|-----------------|------------------|-------|-------|------|
| Hv. - Praha Petřín | 207 | 21,83 | 19,70 | 18,53 | 1,176 | 1,022 | 0,273 | 0,222 | 5,49 |
| Hv. - Prešov | 102 | 21,83 | 19,70 | 24,74 | 1,028 | 0,816 | 0,210 | 0,209 | 2,70 |
| Hv. - SÚH Hurbanovo | 291 | 21,83 | 19,70 | 21,53 | 1,041 | 0,921 | 0,161 | 0,154 | 7,71 |
| Hv. - Banská Bystrica | 81 | 21,83 | 19,70 | 22,74 | 1,081 | 1,515 | 0,233 | 0,213 | 2,15 |
| Hv. - Žilina | 251 | 21,83 | 19,70 | 20,44 | 1,105 | 0,975 | 0,159 | 0,142 | 6,65 |
| Hv. - Hlohovec | 155 | 21,83 | 19,70 | 17,76 | 1,164 | 1,297 | 0,239 | 0,202 | 4,11 |
| Konečný J. - Hlivice | 285 | 21,83 | 19,70 | 17,31 | 1,153 | 1,207 | 0,269 | 0,232 | 7,56 |
| Hv. - Rimavská Sobota | 174 | 21,83 | 19,70 | 26,30 | 1,019 | 0,715 | 0,217 | 0,212 | 4,61 |
| Hv. - Sezimovo Ústí | 211 | 21,83 | 19,70 | 18,62 | 1,153 | 1,093 | 0,246 | 0,208 | 5,59 |
| Hv. - AVČR Ondřejov | 133 | 21,83 | 19,70 | 25,95 | 1,088 | 0,843 | 0,237 | 0,217 | 3,53 |
| Hv. - Kysucké Nové Město | 150 | 21,83 | 19,70 | 28,23 | 0,917 | 0,891 | 0,261 | 0,304 | 3,98 |
| Hv. - Prostějov | 116 | 21,83 | 19,70 | 18,44 | 1,152 | 1,034 | 0,236 | 0,203 | 3,08 |
| Hv. - Michalovce | 120 | 21,83 | 19,70 | 23,62 | 1,035 | 0,801 | 0,144 | 0,139 | 3,18 |
| Zagrodnik J. - Krosno | 217 | 21,83 | 19,70 | 17,21 | 1,255 | 1,141 | 0,282 | 0,222 | 5,75 |
| Ehrenberger R. - Polička | 7 | 21,83 | 19,70 | 30,67 | 1,180 | 0,501 | 0,000 | 0,000 | 0,19 |
| Číhal R. - Brno | 156 | 21,83 | 19,70 | 16,88 | 1,271 | 1,437 | 0,407 | 0,276 | 4,14 |
| Gajdoš P. - Prešov | 4 | 21,83 | 19,70 | 21,50 | 1,210 | 0,963 | 0,000 | 0,000 | 0,11 |
| Ak. - Košice | 138 | 21,83 | 19,70 | 27,50 | 0,988 | 0,777 | 0,213 | 0,218 | 3,66 |
| Hv. - Žiar nad Hronom | 124 | 21,83 | 19,70 | 25,74 | 1,022 | 0,821 | 0,165 | 0,160 | 3,29 |
| Hv. - Humenné | 214 | 21,83 | 19,70 | 19,38 | 1,096 | 1,159 | 0,210 | 0,188 | 5,67 |
| Ak. - Prievidza | 283 | 21,83 | 19,70 | 24,93 | 0,900 | 0,790 | 0,321 | 0,366 | 7,50 |
| Molnár I. - Nedeď | 202 | 21,83 | 19,70 | 28,78 | 0,957 | 0,737 | 0,171 | 0,180 | 5,36 |
| Perdoch T. - Brno | 151 | 21,83 | 19,70 | 15,46 | 1,133 | 1,735 | 0,165 | 0,140 | 4,00 |

Přehled pozorování jednotlivých stanic

Pozorovací stanice: **Hv. - Praha Petřín**

číslo: **SL 001**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 17 | 26,1 | 22,6 | 21,1 | 1,275 | 1,071 | 0,412 | 0,323 | 54,8 |
| II. | 13 | 26,4 | 20,7 | 19,9 | 1,267 | 1,040 | 0,488 | 0,385 | 46,4 |
| III. | 20 | 17,7 | 14,6 | 18,3 | 1,115 | 0,798 | 0,178 | 0,160 | 64,5 |
| IV. | 20 | 32,3 | 29,3 | 26,6 | 1,190 | 1,102 | 0,305 | 0,256 | 66,7 |
| V. | 18 | 18,9 | 17,7 | 12,4 | 1,309 | 1,427 | 0,430 | 0,329 | 58,1 |
| VI. | 21 | 19,2 | 19,9 | 15,0 | 1,139 | 1,327 | 0,235 | 0,206 | 70,0 |
| VII. | 23 | 17,9 | 14,9 | 12,3 | 1,194 | 1,211 | 0,375 | 0,314 | 74,2 |
| VIII. | 20 | 32,6 | 28,3 | 22,0 | 1,404 | 1,286 | 0,356 | 0,254 | 64,5 |
| IX. | 15 | 43,7 | 44,4 | 59,9 | 1,187 | 0,741 | 0,343 | 0,289 | 50,0 |
| X. | 18 | 13,2 | 12,4 | 9,1 | 1,003 | 1,363 | 0,049 | 0,048 | 58,1 |
| XI. | 8 | 5,7 | 5,2 | 5,8 | 1,030 | 0,897 | 0,109 | 0,106 | 26,7 |
| XII. | 14 | 8,2 | 6,4 | 0,0 | 1,000 | 0,000 | 0,000 | 0,000 | 45,2 |
| Σ | 207 | 261,9 | 236,4 | 222,4 | 14,113 | 12,263 | 3,279 | 2,670 | |
| \emptyset | 17,3 | 21,8 | 19,7 | 18,5 | 1,176 | 1,022 | 0,273 | 0,222 | 56,7 |

Pozorovací stanice: **Hv. - Prešov**

číslo: **SL 014**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|-----|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 8 | 26,1 | 22,6 | 29,1 | 0,944 | 0,777 | 0,143 | 0,152 | 25,8 |
| II. | 4 | 26,4 | 20,7 | 25,8 | 1,211 | 0,802 | 0,267 | 0,220 | 14,3 |
| III. | 6 | 17,7 | 14,6 | 36,2 | 1,008 | 0,403 | 0,093 | 0,092 | 19,4 |
| IV. | 7 | 32,3 | 29,3 | 48,3 | 1,210 | 0,607 | 0,395 | 0,326 | 23,3 |
| V. | 16 | 18,9 | 17,7 | 14,3 | 1,008 | 1,238 | 0,075 | 0,075 | 51,6 |
| VI. | 11 | 19,2 | 19,9 | 22,9 | 0,776 | 0,869 | 0,329 | 0,425 | 36,7 |
| VII. | 12 | 17,9 | 14,9 | 22,2 | 0,899 | 0,671 | 0,306 | 0,340 | 38,7 |
| VIII. | 9 | 32,6 | 28,3 | 18,6 | 1,045 | 1,522 | 0,066 | 0,063 | 29,0 |
| IX. | 13 | 43,7 | 44,4 | 41,0 | 1,112 | 1,083 | 0,366 | 0,329 | 43,3 |
| X. | 7 | 13,2 | 12,4 | 17,9 | 0,939 | 0,693 | 0,122 | 0,130 | 22,6 |
| XI. | 8 | 5,7 | 5,2 | 9,6 | 1,006 | 0,542 | 0,142 | 0,141 | 26,7 |
| XII. | 1 | 8,2 | 6,4 | 11,0 | 1,182 | 0,582 | | | 3,2 |
| Σ | 102 | 261,9 | 236,4 | 296,9 | 12,34 | 9,787 | 2,305 | 2,294 | |
| \emptyset | 8,5 | 21,8 | 19,7 | 24,7 | 1,028 | 0,816 | 0,210 | 0,209 | 27,9 |

Pozorovací stanice: **Hv. - SÚH Hurbanovo**

číslo: **SL 077**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|-------|
| I. | 22 | 26,1 | 22,6 | 22,1 | 1,076 | 1,023 | 0,168 | 0,156 | 71,0 |
| II. | 15 | 26,4 | 20,7 | 23,1 | 1,151 | 0,896 | 0,192 | 0,167 | 53,6 |
| III. | 27 | 17,7 | 14,6 | 17,2 | 1,025 | 0,849 | 0,154 | 0,150 | 87,1 |
| IV. | 24 | 32,3 | 29,3 | 32,1 | 1,064 | 0,913 | 0,207 | 0,195 | 80,0 |
| V. | 30 | 18,9 | 17,7 | 17,6 | 1,062 | 1,006 | 0,169 | 0,159 | 96,8 |
| VI. | 30 | 19,2 | 19,9 | 19,0 | 1,002 | 1,047 | 0,244 | 0,243 | 100,0 |
| VII. | 29 | 17,9 | 14,9 | 18,2 | 1,043 | 0,819 | 0,281 | 0,270 | 93,5 |
| VIII. | 31 | 32,6 | 28,3 | 28,6 | 1,119 | 0,990 | 0,098 | 0,088 | 100,0 |
| IX. | 20 | 43,7 | 44,4 | 54,0 | 1,006 | 0,822 | 0,213 | 0,212 | 66,7 |
| X. | 25 | 13,2 | 12,4 | 11,6 | 0,958 | 1,069 | 0,090 | 0,094 | 80,6 |
| XI. | 19 | 5,7 | 5,2 | 5,6 | 1,004 | 0,929 | 0,069 | 0,069 | 63,3 |
| XII. | 19 | 8,2 | 6,4 | 9,3 | 0,977 | 0,688 | 0,049 | 0,050 | 61,3 |
| Σ | 291 | 261,9 | 236,4 | 258,4 | 12,487 | 11,050 | 1,935 | 1,853 | |
| \emptyset | 24,3 | 21,8 | 19,7 | 21,5 | 1,041 | 0,921 | 0,161 | 0,154 | 79,7 |

Pozorovací stanice: Hv. - Banská Bystrica
číslo: SL 080

| měsíc | n | R_{Sn} | $R_{\check{C}SP}$ | R_p | k_{RSn} | $k_{\check{C}SP}$ | σ | σ/k | % n |
|-------------|-----|----------|-------------------|-------|-----------|-------------------|----------|------------|------|
| I. | 1 | 26,1 | 22,6 | 12,0 | 1,000 | 1,883 | | | 3,2 |
| II. | 1 | 26,4 | 20,7 | 37,0 | 1,351 | 0,559 | | | 3,6 |
| III. | 2 | 17,7 | 14,6 | 13,5 | 1,217 | 1,081 | 0,401 | 0,329 | 6,5 |
| IV. | 7 | 32,3 | 29,3 | 36,4 | 0,999 | 0,805 | 0,228 | 0,228 | 23,3 |
| V. | 17 | 18,9 | 17,7 | 16,0 | 0,993 | 1,106 | 0,184 | 0,186 | 54,8 |
| VI. | 20 | 19,2 | 19,9 | 20,9 | 0,998 | 0,952 | 0,172 | 0,172 | 66,7 |
| VII. | 12 | 17,9 | 14,9 | 27,4 | 1,123 | 0,544 | 0,478 | 0,426 | 38,7 |
| VIII. | 6 | 32,6 | 28,3 | 21,5 | 1,095 | 1,316 | 0,045 | 0,041 | 19,4 |
| IX. | 7 | 43,7 | 44,4 | 56,6 | 0,896 | 0,784 | 0,130 | 0,145 | 23,3 |
| X. | 6 | 13,2 | 12,4 | 1,8 | 1,182 | 6,889 | 0,407 | 0,344 | 19,4 |
| XI. | 2 | 5,7 | 5,2 | 7,0 | 1,036 | 0,743 | 0,050 | 0,048 | 6,7 |
| XII. | 0 | 8,2 | 6,4 | | | | | | |
| Σ | 81 | 261,9 | 236,4 | 250,1 | 11,89 | 16,664 | 2,095 | 1,920 | |
| \emptyset | 6,8 | 21,8 | 19,7 | 22,7 | 1,081 | 1,515 | 0,233 | 0,213 | 22,2 |

Pozorovací stanice: Hv. - Žilina
číslo: SL 085

| měsíc | n | R_{Sn} | $R_{\check{C}SP}$ | R_p | k_{RSn} | $k_{\check{C}SP}$ | σ | σ/k | % n |
|-------------|------|----------|-------------------|-------|-----------|-------------------|----------|------------|------|
| I. | 22 | 26,1 | 22,6 | 19,6 | 1,175 | 1,153 | 0,248 | 0,211 | 71,0 |
| II. | 11 | 26,4 | 20,7 | 20,6 | 1,375 | 1,005 | 0,248 | 0,180 | 39,3 |
| III. | 25 | 17,7 | 14,6 | 16,8 | 1,131 | 0,869 | 0,193 | 0,171 | 80,6 |
| IV. | 19 | 32,3 | 29,3 | 36,4 | 1,102 | 0,805 | 0,177 | 0,161 | 63,3 |
| V. | 28 | 18,9 | 17,7 | 16,3 | 1,030 | 1,086 | 0,072 | 0,070 | 90,3 |
| VI. | 28 | 19,2 | 19,9 | 18,0 | 1,044 | 1,106 | 0,183 | 0,175 | 93,3 |
| VII. | 30 | 17,9 | 14,9 | 14,3 | 1,092 | 1,042 | 0,152 | 0,139 | 96,8 |
| VIII. | 27 | 32,6 | 28,3 | 28,0 | 1,181 | 1,011 | 0,099 | 0,084 | 87,1 |
| IX. | 16 | 43,7 | 44,4 | 49,9 | 1,033 | 0,890 | 0,177 | 0,172 | 53,3 |
| X. | 19 | 13,2 | 12,4 | 11,2 | 0,969 | 1,107 | 0,091 | 0,094 | 61,3 |
| XI. | 13 | 5,7 | 5,2 | 6,5 | 1,035 | 0,800 | 0,098 | 0,095 | 43,3 |
| XII. | 13 | 8,2 | 6,4 | 7,7 | 1,087 | 0,831 | 0,171 | 0,157 | 41,9 |
| Σ | 251 | 261,9 | 236,4 | 245,3 | 13,254 | 11,704 | 1,909 | 1,708 | |
| \emptyset | 20,9 | 21,8 | 19,7 | 20,4 | 1,105 | 0,975 | 0,159 | 0,142 | 68,8 |

Pozorovací stanice: Hv. - Hlohovec
číslo: SL 086

| měsíc | n | R_{Sn} | $R_{\check{C}SP}$ | R_p | k_{RSn} | $k_{\check{C}SP}$ | σ | σ/k | % n |
|-------------|------|----------|-------------------|-------|-----------|-------------------|----------|------------|------|
| I. | 13 | 26,1 | 22,6 | 24,4 | 1,190 | 0,926 | 0,132 | 0,111 | 41,9 |
| II. | 4 | 26,4 | 20,7 | 18,5 | 1,420 | 1,119 | 0,402 | 0,283 | 14,3 |
| III. | 21 | 17,7 | 14,6 | 15,3 | 1,063 | 0,954 | 0,305 | 0,287 | 67,7 |
| IV. | 11 | 32,3 | 29,3 | 33,0 | 1,259 | 0,888 | 0,338 | 0,268 | 36,7 |
| V. | 20 | 18,9 | 17,7 | 11,8 | 1,213 | 1,500 | 0,344 | 0,283 | 64,5 |
| VI. | 22 | 19,2 | 19,9 | 16,2 | 1,088 | 1,228 | 0,175 | 0,160 | 73,3 |
| VII. | 11 | 17,9 | 14,9 | 17,5 | 1,195 | 0,851 | 0,204 | 0,170 | 35,5 |
| VIII. | 16 | 32,6 | 28,3 | 22,7 | 1,388 | 1,247 | 0,278 | 0,200 | 51,6 |
| IX. | 9 | 43,7 | 44,4 | 35,2 | 1,150 | 1,261 | 0,296 | 0,257 | 30,0 |
| X. | 15 | 13,2 | 12,4 | 9,3 | 0,911 | 1,333 | 0,274 | 0,301 | 48,4 |
| XI. | 7 | 5,7 | 5,2 | 7,4 | 1,089 | 0,703 | 0,116 | 0,106 | 23,3 |
| XII. | 6 | 8,2 | 6,4 | 1,8 | 1,000 | 3,556 | 0,000 | 0,000 | 19,4 |
| Σ | 155 | 261,9 | 236,4 | 213,1 | 13,966 | 15,567 | 2,862 | 2,428 | |
| \emptyset | 12,9 | 21,8 | 19,7 | 17,8 | 1,164 | 1,297 | 0,239 | 0,202 | 42,5 |

Konečný J. -

Pozorovací stanice: Hlívce **číslo: SL 090**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|-------|
| I. | 18 | 26,1 | 22,6 | 19,2 | 1,074 | 1,177 | 0,124 | 0,115 | 58,1 |
| II. | 16 | 26,4 | 20,7 | 19,6 | 1,304 | 1,056 | 0,260 | 0,200 | 57,1 |
| III. | 30 | 17,7 | 14,6 | 13,0 | 1,156 | 1,123 | 0,233 | 0,201 | 96,8 |
| IV. | 24 | 32,3 | 29,3 | 26,4 | 1,253 | 1,110 | 0,446 | 0,356 | 80,0 |
| V. | 31 | 18,9 | 17,7 | 14,2 | 1,176 | 1,246 | 0,302 | 0,257 | 100,0 |
| VI. | 30 | 19,2 | 19,9 | 17,6 | 1,097 | 1,131 | 0,212 | 0,193 | 100,0 |
| VII. | 31 | 17,9 | 14,9 | 11,4 | 1,242 | 1,307 | 0,326 | 0,262 | 100,0 |
| VIII. | 31 | 32,6 | 28,3 | 23,0 | 1,331 | 1,230 | 0,297 | 0,223 | 100,0 |
| IX. | 23 | 43,7 | 44,4 | 42,7 | 1,206 | 1,040 | 0,353 | 0,293 | 76,7 |
| X. | 21 | 13,2 | 12,4 | 12,2 | 0,978 | 1,016 | 0,064 | 0,065 | 67,7 |
| XI. | 16 | 5,7 | 5,2 | 5,3 | 0,913 | 0,981 | 0,363 | 0,398 | 53,3 |
| XII. | 14 | 8,2 | 6,4 | 3,1 | 1,100 | 2,065 | 0,246 | 0,224 | 45,2 |
| Σ | 285 | 261,9 | 236,4 | 207,7 | 13,83 | 14,483 | 3,226 | 2,787 | |
| Ø | 23,8 | 21,8 | 19,7 | 17,3 | 1,153 | 1,207 | 0,269 | 0,232 | 78,1 |

Pozorovací stanice: Hv. - Rimavská Sobota **číslo: SL 092**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 15 | 26,1 | 22,6 | 30,6 | 0,986 | 0,739 | 0,154 | 0,156 | 48,4 |
| II. | 2 | 26,4 | 20,7 | 60,5 | 1,048 | 0,342 | 0,677 | 0,646 | 7,1 |
| III. | 19 | 17,7 | 14,6 | 20,8 | 0,981 | 0,702 | 0,404 | 0,412 | 61,3 |
| IV. | 6 | 32,3 | 29,3 | 44,2 | 1,152 | 0,663 | 0,210 | 0,182 | 20,0 |
| V. | 19 | 18,9 | 17,7 | 18,8 | 1,019 | 0,941 | 0,319 | 0,313 | 61,3 |
| VI. | 22 | 19,2 | 19,9 | 23,9 | 0,942 | 0,833 | 0,149 | 0,158 | 73,3 |
| VII. | 21 | 17,9 | 14,9 | 17,1 | 0,973 | 0,871 | 0,102 | 0,104 | 67,7 |
| VIII. | 22 | 32,6 | 28,3 | 27,5 | 1,132 | 1,029 | 0,132 | 0,117 | 71,0 |
| IX. | 18 | 43,7 | 44,4 | 49,9 | 1,041 | 0,890 | 0,299 | 0,287 | 60,0 |
| X. | 16 | 13,2 | 12,4 | 15,5 | 0,948 | 0,800 | 0,094 | 0,099 | 51,6 |
| XI. | 11 | 5,7 | 5,2 | 6,8 | 1,004 | 0,765 | 0,067 | 0,067 | 36,7 |
| XII. | 3 | 8,2 | 6,4 | 0,0 | 1,000 | 0,000 | 0,000 | 0,000 | 9,7 |
| Σ | 174 | 261,9 | 236,4 | 315,6 | 12,226 | 8,575 | 2,606 | 2,541 | |
| Ø | 14,5 | 21,8 | 19,7 | 26,3 | 1,019 | 0,715 | 0,217 | 0,212 | 47,7 |

Hv. - Sezimovo

Pozorovací stanice: Ústí **číslo: SL 097**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 18 | 26,1 | 22,6 | 18,7 | 1,196 | 1,209 | 0,190 | 0,159 | 58,1 |
| II. | 17 | 26,4 | 20,7 | 17,8 | 1,433 | 1,163 | 0,454 | 0,317 | 60,7 |
| III. | 21 | 17,7 | 14,6 | 17,7 | 1,176 | 0,825 | 0,252 | 0,214 | 67,7 |
| IV. | 14 | 32,3 | 29,3 | 24,5 | 1,350 | 1,196 | 0,363 | 0,269 | 46,7 |
| V. | 24 | 18,9 | 17,7 | 16,0 | 1,096 | 1,106 | 0,280 | 0,255 | 77,4 |
| VI. | 28 | 19,2 | 19,9 | 18,1 | 1,071 | 1,099 | 0,234 | 0,218 | 93,3 |
| VII. | 21 | 17,9 | 14,9 | 14,6 | 1,120 | 1,021 | 0,404 | 0,361 | 67,7 |
| VIII. | 22 | 32,6 | 28,3 | 25,4 | 1,149 | 1,114 | 0,211 | 0,183 | 71,0 |
| IX. | 9 | 43,7 | 44,4 | 46,7 | 1,084 | 0,951 | 0,216 | 0,199 | 30,0 |
| X. | 16 | 13,2 | 12,4 | 12,6 | 1,001 | 0,984 | 0,058 | 0,058 | 51,6 |
| XI. | 7 | 5,7 | 5,2 | 7,7 | 1,065 | 0,675 | 0,110 | 0,103 | 23,3 |
| XII. | 14 | 8,2 | 6,4 | 3,6 | 1,099 | 1,778 | 0,178 | 0,162 | 45,2 |
| Σ | 211 | 261,9 | 236,4 | 223,4 | 13,84 | 13,121 | 2,949 | 2,499 | |
| Ø | 17,6 | 21,8 | 19,7 | 18,6 | 1,153 | 1,093 | 0,246 | 0,208 | 57,8 |

Pozorovací stanice: **Hv. - AVČR Ondřejov**

číslo: **SL 098**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 4 | 26,1 | 22,6 | 27,3 | 1,222 | 0,828 | 0,259 | 0,212 | 12,9 |
| II. | 6 | 26,4 | 20,7 | 20,8 | 1,170 | 0,995 | 0,419 | 0,358 | 21,4 |
| III. | 9 | 17,7 | 14,6 | 24,1 | 1,131 | 0,606 | 0,200 | 0,177 | 29,0 |
| IV. | 6 | 32,3 | 29,3 | 41,3 | 1,193 | 0,709 | 0,267 | 0,224 | 20,0 |
| V. | 15 | 18,9 | 17,7 | 17,3 | 0,987 | 1,023 | 0,297 | 0,301 | 48,4 |
| VI. | 23 | 19,2 | 19,9 | 19,8 | 1,028 | 1,005 | 0,148 | 0,144 | 76,7 |
| VII. | 25 | 17,9 | 14,9 | 16,6 | 1,085 | 0,898 | 0,116 | 0,107 | 80,6 |
| VIII. | 26 | 32,6 | 28,3 | 28,5 | 1,204 | 0,993 | 0,285 | 0,237 | 83,9 |
| IX. | 15 | 43,7 | 44,4 | 46,3 | 1,057 | 0,959 | 0,339 | 0,321 | 50,0 |
| X. | 2 | 13,2 | 12,4 | 36,5 | 0,820 | 0,340 | 0,178 | 0,217 | 6,5 |
| XI. | 0 | 5,7 | 5,2 | | | | | | |
| XII. | 2 | 8,2 | 6,4 | 7,0 | 1,072 | 0,914 | 0,101 | 0,094 | 6,5 |
| Σ | 133 | 261,9 | 236,4 | 285,5 | 11,969 | 9,270 | 2,608 | 2,390 | |
| \emptyset | 11,1 | 21,8 | 19,7 | 26,0 | 1,088 | 0,843 | 0,237 | 0,217 | 36,4 |

Pozorovací stanice: **Hv. - Kysucké Nové Město**

číslo: **SL 116**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 8 | 26,1 | 22,6 | 32,6 | 0,933 | 0,693 | 0,152 | 0,163 | 25,8 |
| II. | 7 | 26,4 | 20,7 | 29,9 | 1,088 | 0,692 | 0,344 | 0,316 | 25,0 |
| III. | 15 | 17,7 | 14,6 | 26,1 | 1,013 | 0,559 | 0,127 | 0,125 | 48,4 |
| IV. | 9 | 32,3 | 29,3 | 46,3 | 1,067 | 0,633 | 0,207 | 0,194 | 30,0 |
| V. | 15 | 18,9 | 17,7 | 28,7 | 0,786 | 0,617 | 0,356 | 0,453 | 48,4 |
| VI. | 22 | 19,2 | 19,9 | 23,9 | 0,785 | 0,833 | 0,306 | 0,389 | 73,3 |
| VII. | 15 | 17,9 | 14,9 | 23,2 | 0,958 | 0,642 | 0,453 | 0,473 | 48,4 |
| VIII. | 20 | 32,6 | 28,3 | 35,2 | 0,950 | 0,804 | 0,150 | 0,158 | 64,5 |
| IX. | 13 | 43,7 | 44,4 | 70,2 | 0,844 | 0,632 | 0,188 | 0,223 | 43,3 |
| X. | 14 | 13,2 | 12,4 | 11,1 | 0,935 | 1,117 | 0,090 | 0,096 | 45,2 |
| XI. | 7 | 5,7 | 5,2 | 9,3 | 0,979 | 0,559 | 0,182 | 0,186 | 23,3 |
| XII. | 5 | 8,2 | 6,4 | 2,2 | 0,667 | 2,909 | 0,577 | 0,866 | 16,1 |
| Σ | 150 | 261,9 | 236,4 | 338,7 | 11,005 | 10,691 | 3,133 | 3,643 | |
| \emptyset | 12,5 | 21,8 | 19,7 | 28,2 | 0,917 | 0,891 | 0,261 | 0,304 | 41,1 |

Pozorovací stanice: **Hv. - Prostějov**

číslo: **SL 118**

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|-----|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 11 | 26,1 | 22,6 | 13,4 | 1,135 | 1,687 | 0,149 | 0,131 | 35,5 |
| II. | 6 | 26,4 | 20,7 | 16,2 | 1,277 | 1,278 | 0,301 | 0,236 | 21,4 |
| III. | 8 | 17,7 | 14,6 | 12,6 | 1,213 | 1,159 | 0,351 | 0,289 | 25,8 |
| IV. | 7 | 32,3 | 29,3 | 34,9 | 1,343 | 0,840 | 0,176 | 0,131 | 23,3 |
| V. | 15 | 18,9 | 17,7 | 14,2 | 1,192 | 1,246 | 0,379 | 0,318 | 48,4 |
| VI. | 20 | 19,2 | 19,9 | 18,3 | 0,992 | 1,087 | 0,249 | 0,251 | 66,7 |
| VII. | 9 | 17,9 | 14,9 | 26,9 | 1,166 | 0,554 | 0,152 | 0,130 | 29,0 |
| VIII. | 14 | 32,6 | 28,3 | 16,4 | 1,242 | 1,726 | 0,280 | 0,226 | 45,2 |
| IX. | 6 | 43,7 | 44,4 | 51,3 | 1,153 | 0,865 | 0,380 | 0,330 | 20,0 |
| X. | 8 | 13,2 | 12,4 | 10,3 | 1,076 | 1,204 | 0,356 | 0,331 | 25,8 |
| XI. | 6 | 5,7 | 5,2 | 6,8 | 1,038 | 0,765 | 0,061 | 0,059 | 20,0 |
| XII. | 6 | 8,2 | 6,4 | 0,0 | 1,000 | 0,000 | 0,000 | 0,000 | 19,4 |
| Σ | 116 | 261,9 | 236,4 | 221,3 | 13,827 | 12,410 | 2,834 | 2,431 | |
| \emptyset | 9,7 | 21,8 | 19,7 | 18,4 | 1,152 | 1,034 | 0,236 | 0,203 | 31,8 |

Pozorovací stanice: **Hv. - Michalovce**

číslo: **SL 120**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 10 | 26,1 | 22,6 | 26,8 | 1,096 | 0,843 | 0,148 | 0,135 | 32,3 |
| II. | 4 | 26,4 | 20,7 | 30,8 | 1,226 | 0,672 | 0,092 | 0,075 | 14,3 |
| III. | 11 | 17,7 | 14,6 | 31,9 | 1,012 | 0,458 | 0,122 | 0,120 | 35,5 |
| IV. | 6 | 32,3 | 29,3 | 49,2 | 1,093 | 0,596 | 0,239 | 0,218 | 20,0 |
| V. | 15 | 18,9 | 17,7 | 18,2 | 1,022 | 0,973 | 0,175 | 0,172 | 48,4 |
| VI. | 20 | 19,2 | 19,9 | 19,8 | 0,992 | 1,005 | 0,138 | 0,139 | 66,7 |
| VII. | 8 | 17,9 | 14,9 | 36,5 | 0,887 | 0,408 | 0,109 | 0,123 | 25,8 |
| VIII. | 16 | 32,6 | 28,3 | 24,7 | 1,080 | 1,146 | 0,090 | 0,083 | 51,6 |
| IX. | 12 | 43,7 | 44,4 | 27,8 | 1,050 | 1,597 | 0,271 | 0,258 | 40,0 |
| X. | 11 | 13,2 | 12,4 | 10,0 | 0,959 | 1,240 | 0,122 | 0,127 | 35,5 |
| XI. | 6 | 5,7 | 5,2 | 7,7 | 1,006 | 0,675 | 0,079 | 0,078 | 20,0 |
| XII. | 1 | 8,2 | 6,4 | 0,0 | 1,000 | 0,000 | | | 3,2 |
| Σ | 120 | 261,9 | 236,4 | 283,4 | 12,423 | 9,613 | 1,584 | 1,528 | |
| Ø | 10,0 | 21,8 | 19,7 | 23,6 | 1,035 | 0,801 | 0,144 | 0,139 | 32,9 |

Pozorovací stanice: **Zagrodnik J. - Krosno**

číslo: **SL 127**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 15 | 26,1 | 22,6 | 17,9 | 1,143 | 1,263 | 0,159 | 0,139 | 48,4 |
| II. | 15 | 26,4 | 20,7 | 21,0 | 1,425 | 0,986 | 0,280 | 0,197 | 53,6 |
| III. | 18 | 17,7 | 14,6 | 16,1 | 1,281 | 0,907 | 0,306 | 0,239 | 58,1 |
| IV. | 12 | 32,3 | 29,3 | 26,8 | 1,517 | 1,093 | 0,376 | 0,248 | 40,0 |
| V. | 23 | 18,9 | 17,7 | 13,6 | 1,213 | 1,301 | 0,329 | 0,271 | 74,2 |
| VI. | 29 | 19,2 | 19,9 | 15,9 | 1,175 | 1,252 | 0,220 | 0,187 | 96,7 |
| VII. | 27 | 17,9 | 14,9 | 11,2 | 1,292 | 1,330 | 0,401 | 0,311 | 87,1 |
| VIII. | 25 | 32,6 | 28,3 | 26,5 | 1,229 | 1,068 | 0,185 | 0,150 | 80,6 |
| IX. | 16 | 43,7 | 44,4 | 35,1 | 1,273 | 1,265 | 0,465 | 0,365 | 53,3 |
| X. | 17 | 13,2 | 12,4 | 10,5 | 1,078 | 1,181 | 0,219 | 0,203 | 54,8 |
| XI. | 12 | 5,7 | 5,2 | 7,0 | 1,133 | 0,743 | 0,136 | 0,120 | 40,0 |
| XII. | 8 | 8,2 | 6,4 | 4,9 | 1,302 | 1,306 | 0,308 | 0,236 | 25,8 |
| Σ | 217 | 261,9 | 236,4 | 206,5 | 15,061 | 13,695 | 3,384 | 2,667 | |
| Ø | 18,1 | 21,8 | 19,7 | 17,2 | 1,255 | 1,141 | 0,282 | 0,222 | 59,5 |

Pozorovací stanice: **Ehrenberger R. - Polička**

číslo: **SL 141**

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|-----|-----------------|------------------|----------------|------------------|------------------|---|-----|-----|
| I. | 1 | 26,1 | 22,6 | 57,0 | 1,316 | 0,396 | | | 3,2 |
| II. | 0 | 26,4 | 20,7 | | | | | | 0,0 |
| III. | 1 | 17,7 | 14,6 | 0,0 | 1,000 | 0,000 | | | 3,2 |
| IV. | 1 | 32,3 | 29,3 | 44,0 | 1,614 | 0,666 | | | 3,3 |
| V. | 1 | 18,9 | 17,7 | 34,0 | 1,088 | 0,521 | | | 3,2 |
| VI. | 1 | 19,2 | 19,9 | 28,0 | 1,036 | 0,711 | | | 3,3 |
| VII. | 2 | 17,9 | 14,9 | 21,0 | 1,024 | 0,710 | | | 6,5 |
| VIII. | 0 | 32,6 | 28,3 | | | | | | 0,0 |
| IX. | 0 | 43,7 | 44,4 | | | | | | 0,0 |
| X. | 0 | 13,2 | 12,4 | | | | | | 0,0 |
| XI. | 0 | 5,7 | 5,2 | | | | | | 0,0 |
| XII. | 0 | 8,2 | 6,4 | | | | | | 0,0 |
| Σ | 7 | 261,9 | 236,4 | 184 | 7,078 | 3,003 | | | |
| Ø | 0,6 | 21,8 | 19,7 | 30,7 | 1,180 | 0,501 | | | 1,9 |

Pozorovací stanice: Číhal R. - Brno
číslo: SL 142

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 9 | 26,1 | 22,6 | 27,2 | 1,258 | 0,831 | 0,181 | 0,144 | 29,0 |
| II. | 4 | 26,4 | 20,7 | 14,0 | 1,453 | 1,479 | 0,673 | 0,463 | 14,3 |
| III. | 13 | 17,7 | 14,6 | 8,9 | 1,945 | 1,640 | 1,664 | 0,856 | 41,9 |
| IV. | 12 | 32,3 | 29,3 | 17,7 | 1,445 | 1,655 | 0,582 | 0,403 | 40,0 |
| V. | 16 | 18,9 | 17,7 | 7,7 | 1,355 | 2,299 | 0,494 | 0,364 | 51,6 |
| VI. | 17 | 19,2 | 19,9 | 15,2 | 1,079 | 1,309 | 0,233 | 0,216 | 56,7 |
| VII. | 21 | 17,9 | 14,9 | 12,7 | 1,428 | 1,173 | 0,480 | 0,336 | 67,7 |
| VIII. | 26 | 32,6 | 28,3 | 29,2 | 1,067 | 0,969 | 0,149 | 0,139 | 83,9 |
| IX. | 12 | 43,7 | 44,4 | 51,9 | 1,126 | 0,855 | 0,128 | 0,113 | 40,0 |
| X. | 12 | 13,2 | 12,4 | 11,1 | 0,985 | 1,117 | 0,051 | 0,051 | 38,7 |
| XI. | 7 | 5,7 | 5,2 | 4,6 | 1,010 | 1,130 | 0,025 | 0,025 | 23,3 |
| XII. | 7 | 8,2 | 6,4 | 2,3 | 1,100 | 2,783 | 0,224 | 0,203 | 22,6 |
| Σ | 156 | 261,9 | 236,4 | 202,5 | 15,251 | 17,241 | 4,884 | 3,315 | |
| Ø | 13,0 | 21,8 | 19,7 | 16,9 | 1,271 | 1,437 | 0,407 | 0,276 | 42,7 |

Pozorovací stanice: Gajdoš P. - Prešov
číslo: SL 144

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|-----|-----------------|------------------|----------------|------------------|------------------|---|-----|-----|
| I. | 1 | 26,1 | 22,6 | 29,0 | 1,138 | 0,779 | | | 3,2 |
| II. | 1 | 26,4 | 20,7 | 18,0 | 1,278 | 1,150 | | | 3,6 |
| III. | 1 | 17,7 | 14,6 | 26,0 | 1,500 | 0,562 | | | 3,2 |
| IV. | 0 | 32,3 | 29,3 | | | | | | 0,0 |
| V. | 1 | 18,9 | 17,7 | 13,0 | 0,923 | 1,362 | | | 3,2 |
| VI. | 0 | 19,2 | 19,9 | | | | | | 0,0 |
| VII. | 0 | 17,9 | 14,9 | | | | | | 0,0 |
| VIII. | 0 | 32,6 | 28,3 | | | | | | 0,0 |
| IX. | 0 | 43,7 | 44,4 | | | | | | 0,0 |
| X. | 0 | 13,2 | 12,4 | | | | | | 0,0 |
| XI. | 0 | 5,7 | 5,2 | | | | | | 0,0 |
| XII. | 0 | 8,2 | 6,4 | | | | | | 0,0 |
| Σ | 4 | 261,9 | 236,4 | 86 | 4,839 | 3,852 | | | |
| Ø | 0,3 | 21,8 | 19,7 | 21,5 | 1,210 | 0,963 | | | 1,1 |

Pozorovací stanice: Ak. - Košice
číslo: SL 146

| měsíc | n | R _{Sn} | R _{ČSP} | R _p | k _{RSn} | k _{ČSP} | σ | σ/k | % n |
|-------|------|-----------------|------------------|----------------|------------------|------------------|-------|-------|------|
| I. | 7 | 26,1 | 22,6 | 26,6 | 1,156 | 0,850 | 0,229 | 0,198 | 22,6 |
| II. | 5 | 26,4 | 20,7 | 35,0 | 1,089 | 0,591 | 0,125 | 0,114 | 17,9 |
| III. | 15 | 17,7 | 14,6 | 28,2 | 0,956 | 0,518 | 0,162 | 0,170 | 48,4 |
| IV. | 5 | 32,3 | 29,3 | 57,8 | 1,075 | 0,507 | 0,361 | 0,336 | 16,7 |
| V. | 18 | 18,9 | 17,7 | 21,8 | 0,944 | 0,812 | 0,326 | 0,345 | 58,1 |
| VI. | 21 | 19,2 | 19,9 | 25,5 | 0,825 | 0,780 | 0,219 | 0,265 | 70,0 |
| VII. | 11 | 17,9 | 14,9 | 14,2 | 0,909 | 1,049 | 0,334 | 0,368 | 35,5 |
| VIII. | 10 | 32,6 | 28,3 | 29,3 | 0,997 | 0,966 | 0,143 | 0,143 | 32,3 |
| IX. | 14 | 43,7 | 44,4 | 63,8 | 0,944 | 0,696 | 0,372 | 0,394 | 46,7 |
| X. | 12 | 13,2 | 12,4 | 13,8 | 0,947 | 0,899 | 0,109 | 0,115 | 38,7 |
| XI. | 12 | 5,7 | 5,2 | 6,6 | 0,980 | 0,788 | 0,049 | 0,050 | 40,0 |
| XII. | 8 | 8,2 | 6,4 | 7,4 | 1,033 | 0,865 | 0,124 | 0,120 | 25,8 |
| Σ | 138 | 261,9 | 236,4 | 330 | 11,855 | 9,320 | 2,553 | 2,619 | |
| Ø | 11,5 | 21,8 | 19,7 | 27,5 | 0,988 | 0,777 | 0,213 | 0,218 | 37,8 |

Pozorovací stanice: Hv. - Žiar nad Hronom
číslo: SL 089

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 15 | 26,1 | 22,6 | 31,2 | 1,005 | 0,724 | 0,100 | 0,099 | 48,4 |
| II. | 5 | 26,4 | 20,7 | 28,4 | 1,110 | 0,729 | 0,151 | 0,136 | 17,9 |
| III. | 16 | 17,7 | 14,6 | 25,5 | 1,023 | 0,573 | 0,132 | 0,129 | 51,6 |
| IV. | 8 | 32,3 | 29,3 | 48,3 | 1,033 | 0,607 | 0,280 | 0,271 | 26,7 |
| V. | 19 | 18,9 | 17,7 | 18,5 | 1,007 | 0,957 | 0,186 | 0,184 | 61,3 |
| VI. | 14 | 19,2 | 19,9 | 23,9 | 0,978 | 0,833 | 0,142 | 0,145 | 46,7 |
| VII. | 10 | 17,9 | 14,9 | 21,5 | 0,944 | 0,693 | 0,092 | 0,097 | 32,3 |
| VIII. | 14 | 32,6 | 28,3 | 31,0 | 1,054 | 0,913 | 0,078 | 0,074 | 45,2 |
| IX. | 8 | 43,7 | 44,4 | 55,4 | 1,012 | 0,801 | 0,343 | 0,339 | 26,7 |
| X. | 5 | 13,2 | 12,4 | 7,4 | 1,098 | 1,676 | 0,244 | 0,222 | 16,1 |
| XI. | 9 | 5,7 | 5,2 | 6,8 | 0,996 | 0,765 | 0,067 | 0,067 | 30,0 |
| XII. | 1 | 8,2 | 6,4 | 11,0 | 1,000 | 0,582 | | | 3,2 |
| Σ | 124 | 261,9 | 236,4 | 308,9 | 12,26 | 9,851 | 1,815 | 1,765 | |
| \emptyset | 10,3 | 21,8 | 19,7 | 25,7 | 1,022 | 0,821 | 0,165 | 0,160 | 34,0 |

Pozorovací stanice: Hv. - Humenné
číslo: SL 065

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|------|
| I. | 10 | 26,1 | 22,6 | 14,3 | 1,142 | 1,580 | 0,189 | 0,166 | 32,3 |
| II. | 10 | 26,4 | 20,7 | 25,0 | 1,352 | 0,828 | 0,369 | 0,273 | 35,7 |
| III. | 17 | 17,7 | 14,6 | 19,3 | 1,069 | 0,756 | 0,151 | 0,142 | 54,8 |
| IV. | 20 | 32,3 | 29,3 | 30,0 | 1,176 | 0,977 | 0,231 | 0,196 | 66,7 |
| V. | 27 | 18,9 | 17,7 | 18,0 | 1,086 | 0,983 | 0,170 | 0,156 | 87,1 |
| VI. | 27 | 19,2 | 19,9 | 20,5 | 0,994 | 0,971 | 0,248 | 0,250 | 90,0 |
| VII. | 26 | 17,9 | 14,9 | 12,5 | 1,274 | 1,192 | 0,374 | 0,294 | 83,9 |
| VIII. | 23 | 32,6 | 28,3 | 24,6 | 1,048 | 1,150 | 0,174 | 0,166 | 74,2 |
| IX. | 21 | 43,7 | 44,4 | 47,5 | 0,971 | 0,935 | 0,094 | 0,097 | 70,0 |
| X. | 21 | 13,2 | 12,4 | 9,8 | 0,995 | 1,265 | 0,371 | 0,373 | 67,7 |
| XI. | 7 | 5,7 | 5,2 | 8,6 | 1,028 | 0,605 | 0,109 | 0,106 | 23,3 |
| XII. | 5 | 8,2 | 6,4 | 2,4 | 1,021 | 2,667 | 0,041 | 0,041 | 16,1 |
| Σ | 214 | 261,9 | 236,4 | 232,5 | 13,156 | 13,909 | 2,522 | 2,259 | |
| \emptyset | 17,8 | 21,8 | 19,7 | 19,4 | 1,096 | 1,159 | 0,210 | 0,188 | 58,6 |

Pozorovací stanice: Ak. - Prievidza
číslo: SL 125

| měsíc | n | R_{Sn} | $R_{ČSP}$ | R_p | k_{RSn} | $k_{ČSP}$ | σ | σ/k | % n |
|-------------|------|----------|-----------|-------|-----------|-----------|----------|------------|-------|
| I. | 27 | 26,1 | 22,6 | 27,4 | 0,985 | 0,825 | 0,216 | 0,219 | 87,1 |
| II. | 16 | 26,4 | 20,7 | 25,4 | 1,116 | 0,815 | 0,474 | 0,425 | 57,1 |
| III. | 24 | 17,7 | 14,6 | 18,1 | 0,929 | 0,807 | 0,442 | 0,476 | 77,4 |
| IV. | 27 | 32,3 | 29,3 | 37,3 | 0,939 | 0,786 | 0,480 | 0,511 | 90,0 |
| V. | 30 | 18,9 | 17,7 | 20,2 | 0,850 | 0,876 | 0,279 | 0,328 | 96,8 |
| VI. | 29 | 19,2 | 19,9 | 26,4 | 0,735 | 0,754 | 0,258 | 0,351 | 96,7 |
| VII. | 31 | 17,9 | 14,9 | 19,2 | 0,846 | 0,776 | 0,310 | 0,367 | 100,0 |
| VIII. | 28 | 32,6 | 28,3 | 32,6 | 1,033 | 0,868 | 0,404 | 0,391 | 90,3 |
| IX. | 20 | 43,7 | 44,4 | 60,6 | 0,912 | 0,733 | 0,231 | 0,253 | 66,7 |
| X. | 21 | 13,2 | 12,4 | 12,9 | 0,922 | 0,961 | 0,177 | 0,192 | 67,7 |
| XI. | 15 | 5,7 | 5,2 | 11,2 | 0,616 | 0,464 | 0,468 | 0,760 | 50,0 |
| XII. | 15 | 8,2 | 6,4 | 7,8 | 0,918 | 0,821 | 0,112 | 0,122 | 48,4 |
| Σ | 283 | 261,9 | 236,4 | 299,1 | 10,801 | 9,485 | 3,851 | 4,395 | |
| \emptyset | 23,6 | 21,8 | 19,7 | 24,9 | 0,900 | 0,790 | 0,321 | 0,366 | 77,5 |

Pozorovací stanice: **Molnár I. - Nedež**

číslo: **SL 149**

| měsíc | n | R_{Sn} | $R_{\check{C}SP}$ | R_p | k_{RSn} | $k_{\check{C}SP}$ | σ | σ/k | % n |
|--------------|------|----------|-------------------|-------|-----------|-------------------|----------|------------|-------|
| I. | 5 | 26,1 | 22,6 | 58,0 | 0,939 | 0,390 | 0,116 | 0,124 | 16,1 |
| II. | 6 | 26,4 | 20,7 | 21,3 | 1,034 | 0,972 | 0,128 | 0,124 | 21,4 |
| III. | 7 | 17,7 | 14,6 | 38,9 | 0,976 | 0,375 | 0,063 | 0,064 | 22,6 |
| IV. | 10 | 32,3 | 29,3 | 44,8 | 1,058 | 0,654 | 0,283 | 0,267 | 33,3 |
| V. | 18 | 18,9 | 17,7 | 24,5 | 0,871 | 0,722 | 0,178 | 0,205 | 58,1 |
| VI. | 17 | 19,2 | 19,9 | 21,7 | 0,842 | 0,917 | 0,243 | 0,289 | 56,7 |
| VII. | 31 | 17,9 | 14,9 | 17,3 | 1,011 | 0,861 | 0,297 | 0,293 | 100,0 |
| VIII. | 29 | 32,6 | 28,3 | 35,0 | 0,963 | 0,809 | 0,145 | 0,151 | 93,5 |
| IX. | 24 | 43,7 | 44,4 | 53,8 | 0,939 | 0,825 | 0,179 | 0,191 | 80,0 |
| X. | 19 | 13,2 | 12,4 | 13,5 | 0,894 | 0,919 | 0,233 | 0,260 | 61,3 |
| XI. | 16 | 5,7 | 5,2 | 7,3 | 0,967 | 0,712 | 0,092 | 0,096 | 53,3 |
| XII. | 20 | 8,2 | 6,4 | 9,3 | 0,993 | 0,688 | 0,094 | 0,095 | 64,5 |
| Σ | 202 | 261,9 | 236,4 | 345,4 | 11,487 | 8,844 | 2,052 | 2,159 | |
| Ø | 16,8 | 21,8 | 19,7 | 28,8 | 0,957 | 0,737 | 0,171 | 0,180 | 55,3 |

Pozorovací stanice: **Perdoch T. - Brno**

číslo: **SL 147**

| měsíc | n | R_{Sn} | $R_{\check{C}SP}$ | R_p | k_{RSn} | $k_{\check{C}SP}$ | σ | σ/k | % n |
|--------------|------|----------|-------------------|-------|-----------|-------------------|----------|------------|------|
| I. | 0 | 26,1 | 22,6 | | | | | | 0,0 |
| II. | 2 | 26,4 | 20,7 | 15,0 | 1,233 | 1,380 | 0,003 | 0,002 | 7,1 |
| III. | 11 | 17,7 | 14,6 | 18,2 | 1,145 | 0,802 | 0,487 | 0,426 | 35,5 |
| IV. | 11 | 32,3 | 29,3 | 29,5 | 1,411 | 0,993 | 0,294 | 0,208 | 36,7 |
| V. | 18 | 18,9 | 17,7 | 12,8 | 1,188 | 1,383 | 0,289 | 0,243 | 58,1 |
| VI. | 17 | 19,2 | 19,9 | 16,7 | 1,135 | 1,192 | 0,204 | 0,180 | 56,7 |
| VII. | 25 | 17,9 | 14,9 | 11,5 | 1,149 | 1,296 | 0,261 | 0,228 | 80,6 |
| VIII. | 23 | 32,6 | 28,3 | 25,0 | 1,194 | 1,132 | 0,106 | 0,089 | 74,2 |
| IX. | 3 | 43,7 | 44,4 | 30,3 | 1,017 | 1,465 | 0,029 | 0,028 | 10,0 |
| X. | 20 | 13,2 | 12,4 | 10,3 | 0,976 | 1,204 | 0,077 | 0,079 | 64,5 |
| XI. | 16 | 5,7 | 5,2 | 0,8 | 1,016 | 6,500 | 0,063 | 0,062 | 53,3 |
| XII. | 5 | 8,2 | 6,4 | 0,0 | 1,000 | | 0,000 | 0,000 | 16,1 |
| Σ | 151 | 261,9 | 236,4 | 170,1 | 12,464 | 17,347 | 1,812 | 1,544 | |
| Ø | 12,6 | 21,8 | 19,7 | 15,5 | 1,133 | 1,735 | 0,165 | 0,140 | 41,4 |

Číselná řada pozorovacích stanic, které jsou evidovány od roku 1918 popřípadě 1929,

| | | | |
|-------|--|--------|---|
| SL 01 | Praha - Petřín Štefánikova hvězdárna | SL 53 | Hluchá Z.- Poděbrady |
| SL 02 | Bílek J. - Praha - Vršovice | SL 54 | Piřha J.- Tábor |
| SL 03 | Guth V.- Praha - Smíchov | SL 55 | Bárta V.- Třebíč |
| SL 04 | Hýbl V.- Krásno nad Bečvou | SL 56 | Gruber A.- České Budějovice |
| SL 05 | Bečvář A.- Brandýs nad Labem | SL 57 | Sekanina Z.- Mladá Boleslav |
| SL 06 | Polesný B.- Český Krumlov | SL 58 | Vágner F.- Plzeň |
| SL 07 | Goňa K.- Praha - Libeň | SL 59 | Koblihová E.- Nový Jičín |
| SL 08 | Churý J. - Valašské Meziříčí | SL 60 | Matoušek M.- Praha XIII |
| SL 09 | Hvězdárna - České Budějovice | SL 61 | Hanzlíková K.- Rokycany |
| SL 10 | Snídrle V.- Olomouc | SL 62 | Ak. - Louny gymnázium |
| SL 11 | Kalvach J.- Praha - Smíchov | SL 63 | Pospíšilová M.- Praha - Nusle |
| SL 12 | Ak. - Moravská Ostrava - Vítkovice | SL 64 | Martínek F.- Kunžak |
| SL 13 | Hübner V.- Vysoké Mýto | SL 65 | Hvezdáreň - Humenné |
| SL 14 | Hvezdáreň - Prešov | SL 66 | Chaloupková V. Rokycany |
| SL 15 | Kádner o.- Praha - Holešovice | SL 67 | Burda B.- Chropyně |
| SL 16 | Míček J.- České Budějovice | SL 68 | Lairf V.- Poděbrady |
| SL 17 | Jahn O.- Skalsko u Jílového | SL 69 | Hvězdárna - Moravskoostravská |
| SL 18 | Votrubec C.- Vodňany | SL 70 | Renger J.- Doubí u Liberce |
| SL 19 | Fährnich A.- Klatovy | SL 71 | Hvězdárna - Hradec Králové |
| SL 20 | Novák A.- Hradec Králové | SL 72 | Vítek L.- Kladno |
| SL 21 | Novotný M.- Německý Brod | SL 73 | Bareš P.- Příbram |
| SL 22 | Bumba V. -Klatovy | SL 74 | Kusý J.- Kladno |
| SL 23 | Charous J. Kladno - Bresson | SL 75 | Hvězdárna - Žebrák |
| SL 24 | Sládeček M.- Brno - Husovice | SL 76 | Dujnič M. - Spišská Nová Ves |
| SL 25 | Honzák J.- České Budějovice | SL 77 | Hvezdáreň - SÚH Hurbanovo |
| SL 26 | Hvezdáreň - AsÚ SAV Skalnaté Pleso | SL 78 | Titka E. - Nitra |
| SL 27 | Prokeš J.- Praha 3 | SL 79 | Hvězdárna - Úpice |
| SL 28 | Kretschmer V.- Bystřice pod Hostýnem | SL 80 | Hvezdáreň - Banská Bystrica |
| SL 29 | Hvížďala Z.- Rokycany | SL 81 | Hvězdárna - Český Těšín |
| SL 30 | Neužil L.- Klatovy | SL 82 | Kéčkei - Bratislava |
| SL 31 | Ceplecha Z.- Praha - Záběhlice | SL 83 | Oravec L. - Nitra |
| SL 32 | Polák - Hodonín | SL 84 | Hasčíková M. - Nové Zámky |
| SL 33 | Hřebík F. - Praha - Pankrác | SL 85 | Hvezdáreň - Žilina |
| SL 34 | Rudiš M. - Praha | SL 86 | Hvezdáreň - Hlohovec |
| SL 35 | Haas S. - Benešov u Prahy | SL 87 | Hvezdáreň - Levice |
| SL 36 | Chrbjátovi souroz. - Valašské Meziříčí | SL 88 | Hvězdárna - Vsetín |
| SL 37 | Krůta J. - Valašské Meziříčí | SL 89 | Hvězdárna - Žiar nad Hronom |
| SL 38 | Duřpekova K. - Valašské Meziříčí | SL 90 | Konečný J.- Grygov, Krivoj Rog, Litovel |
| SL 39 | Paštěková I. - Valašské Meziříčí | SL 91 | Chaloupka - Brodek u Přerova |
| SL 40 | Schmied L. - Strmilov - Kunžak | SL 92 | Hvezdáreň - Rimavská Sobota |
| SL 41 | Hvězdárna - Rokycany | SL 93 | Hvězdárna - Vlašim |
| SL 42 | Hvězdárna - Tábor | SL 94 | Frydek-Místek |
| SL 43 | Poljak F.- Levice | SL 95 | Hvězdárna - Veselí na Moravě |
| SL 44 | Vadovič F.- Bratislava | SL 96 | Halíf K. - Plzeň, Rokycany |
| SL 45 | Hubáček R.- Bílina | SL 97 | Hvězdárna - Sezimovo Ústí |
| SL 46 | Jambor J.- Jířkovice | SL 98 | Hvězdárna - AsÚ AVČR Ondřejov |
| SL 47 | Kohoutek L.- Brno | SL 99 | Hvezdáreň - Handlová |
| SL 48 | Tesárek J.- Ústí nad Labem | SL 100 | Hvězdárna - Olomouc - Lošov |
| SL 49 | Zubrová M.- Praha - Nusle | SL 101 | Hvezdáreň - Rožňava |
| SL 50 | Říha J.- Praha XVI | SL 102 | Hvězdárna - Třinec |
| SL 51 | Šperger J.- Rožnov | SL 103 | Hvezdáreň - Ostrava-Poruba |
| SL 52 | Mayer E.- Ústí nad Labem | SL 104 | Michl - Brandýs nad Labem |

- | | | | |
|--------|-------------------------------------|--------|------------------------------|
| SL 105 | Česká Skalice | SL 128 | Kindl V. - Plzeň - Dobřany |
| SL 106 | Vaclík F. - Borovany | SL 129 | Zbončák - Zvolen |
| SL 107 | Hvězdárna - Jindřichův Hradec | SL 130 | Hvězdárna - Klet' (Praha) |
| SL 108 | ostrov Hvar - Jugoslávie (Zloch F.) | SL 131 | Hvězdárna - Pardubice |
| SL 109 | Hvězdárna - Teplice | SL 132 | Mikušinec R. - Poniky - Pelc |
| SL 110 | Hvězdárna - Brodek u Přerova | SL 133 | Leško J. - Sabinov |
| SL 111 | Kováč - Sereď | SL 134 | Ryba M. - Kladno - Švermov |
| SL 112 | Macková - Ivaň | SL 135 | Urban J. - Pletený Újezd |
| SL 113 | Saida - Brno | SL 136 | Šala J. - Kladno - Rozdělov |
| SL 114 | Hvezdáreň - Partizanské | SL 137 | Lubas Z. - Hradec Králové |
| SL 115 | Ak. - Opava (Valenta L.) | SL 138 | Bareš V. - Svinářov |
| SL 116 | Hvezdáreň - Kysucké Nové Město | SL 139 | Raganová M. - Poniky |
| SL 117 | Kolařík - Šternberk | SL 140 | Rada B. - Kunžak |
| SL 118 | Hvězdárna - Prostějov | SL 141 | Ehrenberger R. - Polička |
| SL 119 | Zíbar M. - Plzeň | SL 142 | Číhal R. - Brno |
| SL 120 | Hvezdáreň - Michalovce | SL 143 | Toman J. - Letiny |
| SL 121 | Nelíba V. + Linhart V. - Kladno | SL 144 | Gajdoš - Prešov |
| SL 122 | Honzík L. - Plzeň | SL 145 | Hvezdáreň - Nitra |
| SL 123 | Řehoř M - Plzeň | SL 146 | Ak. - Košice |
| SL 124 | Hvězdárna - Uherský Brod | SL 147 | Perdoch T. - Hlučín |
| SL 125 | Ak. - Prievidza (Šovčík) | SL 148 | Hv. - Rostoky |
| SL 126 | Kučera J. - Plzeň - Losiná | SL 149 | Molnár I. - Nedeď |
| SL 127 | Zagrodnik J. - Krosno (Polsko) | | |

Vysvětlivky k bulletinu pro pozorovatele slunce

| | |
|-----------------------|--|
| n | počet pozorovacích dnů v měsíci |
| $\sum n$ | počet pozorování všech pozorovatelů Česlopolu v měsíci |
| n/den | průměrný počet pozorování na den |
| R_w | měsíční hodnota definitivního relativního čísla dle Wolfa Curych |
| R_i | měsíční hodnota definitivního relativního čísla dle S.I.D.C. Brusel |
| R_i' | měsíční hodnota předběžného relativního čísla dle S.I.D.C. Brusel |
| R_{Sn} | měsíční hodnota definitivního relativního čísla dle SILSO Brusel |
| R_p | měsíční průměr relativního čísla pozorovací stanice |
| $R_{\check{C}SP}$ | Měsíční průměr pro všechny stanice dle Česlopolu |
| $k R_i$ | koeficient přepočtu ($R_i/R_p\check{C}SP$) |
| $k_{\check{C}SP}$ | koeficient přepočtu ($R_p\check{C}SP/R_p$) |
| σ – sigma | střední kvadratická odchylka z $k R_i$ |
| σ/k | koeficient přepočtu (σ/k) |
| $n\%$ | Pokrytí - počet dní v procentech |
| \sum | součty za rok |
| \emptyset | průměr za rok |
| m | minimum sluneční činnosti |
| M | maximum sluneční činnosti |
| R_m | nejmenší napozorované či vyrovnané relativní číslo sluneční činnosti, začínající nový sluneční cyklus |
| R_M | největší napozorované či vyrovnané relativní číslo sluneční činnosti |
| $T_{m \rightarrow m}$ | doba od minima do minima slunečního cyklu |
| $T_{M \rightarrow M}$ | doba od maxima do maxima slunečního cyklu |
| $T_{m \rightarrow M}$ | vzestupná fáze sluneční činnosti od minima do maxima slunečního cyklu |
| $T_{M \rightarrow m}$ | sestupná fáze sluneční činnosti od maxima do minima slunečního cyklu |
| $\emptyset R_{mm}$ | průměr sluneční činnosti od minima do minima |
| $\emptyset R_{MM}$ | průměr sluneční činnosti od maxima do maxima |
| P_m | Schmiedův index – mohutnost cyklu ($T_{m \rightarrow m} * \emptyset R_{mm}$) průměrná „plocha“ cyklu |

Průběžně byla prováděna řada písemných i ústních jednání se stávajícími pozorovateli i s novými zájemci o pozorování sluneční fotosféry. Byla poskytována metodická a odborná pomoc.

Na závěr využíváme této příležitosti k tomu, abychom poděkovali za spolupráci všem pozorovatelům zabývajícím se pozorováním sluneční fotosféry, kteří s námi v roce 2017 spolupracovali.

Bulletin pro pozorovatele Slunce 2017

HFP 506

Vydala: Vydává sluneční sekce ve spolupráci s hvězdárnou Františka Pešty
v Sezimově Ústí
Sestavil: Feik Vlastislav
Odborný pohled:
Počet stran: 40
Rok vydání: 2017 Srpen
Formát: A4