**Results of the IMO Video Meteor Network – September 2017**

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After September had presented outstanding results in the previous two years, 2017 was just an average year. 39 observers with 77 active video cameras recorded almost 36,000 meteors in nearly 10,000 hours of effective observing time. In particular east European observers had to accept larger gaps in their observing statistics. 49 cameras managed to obtain twenty and more observing nights, and eleven cameras had to pause no more than one night. The average of 3.6 meteors per hour was again well below the average of the previous years.

The IMO "Working List of Meteor Showers" lists two showers in September with variable activity. The alpha Aurigids are active between August 25 and September 7. Their average activity profile for 2011 till 2016 (figure 1, green) shows just a little increase of flux density over the sporadic background. Peak values are observed between 157° and 158° solar longitude, i.e. in the last few days of August. In 2017 we find the peak at the same time, plus a similarly high value at 163° solar longitude.

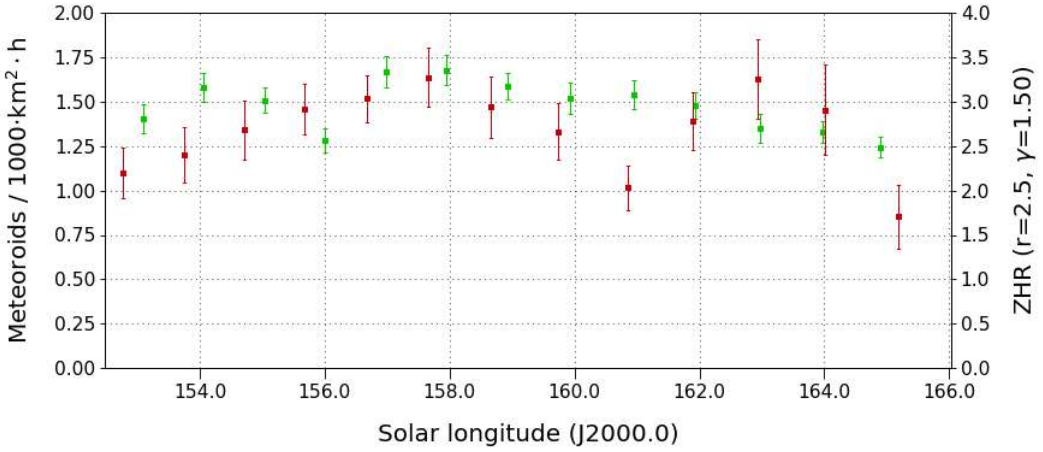


***Figure 1:*** *Flux density profile of the alpha Aurigids 2011-2016 (green) and 2017 (red), derived from video data of the IMO Network*

A look at the population index (figure 2) proves that the Aurigids stand indeed out of the sporadic background. Each data point is based on 500 shower resp. 3,000 sporadic meteors. Whereas the sporadic population index scatters around r=2.5, we yield an average of r=2.0 for the alpha Aurigids if we omit the values at the begin and end of the activity interval.

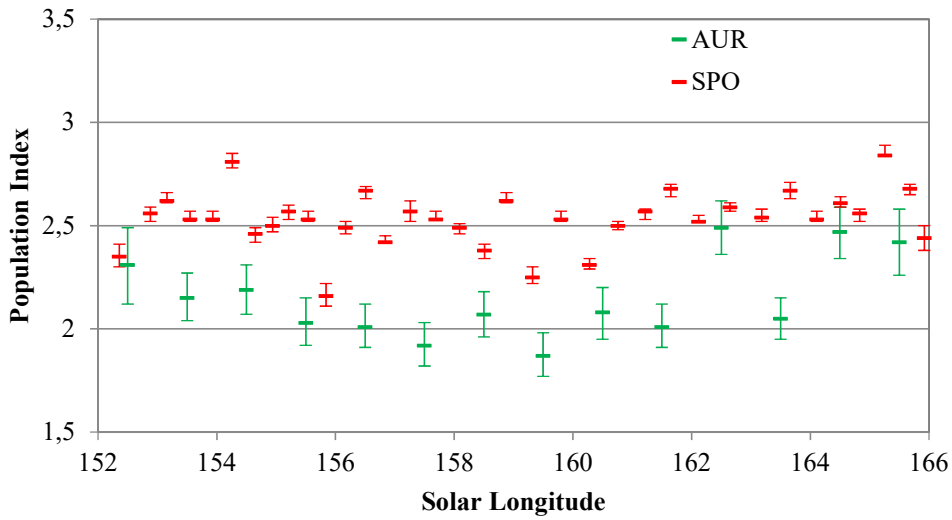

***Figure 2:*** *Comparison of the population index profile of the alpha Aurigids (green) and sporadic meteors (red) in the years 2011-2017.*

A similar result is obtained for the September Perseids (figure 3). In this case we omitted the data set of 2013 when the shower underwent a short but intense outburst at 167.2° solar longitude. The average activity profile of the September Perseids shows a peak at September 9 (167° solar longitude) with a higher absolute value than the alpha Aurigids. Maximum activity in 2017 was observed already in the night of September 7/8.

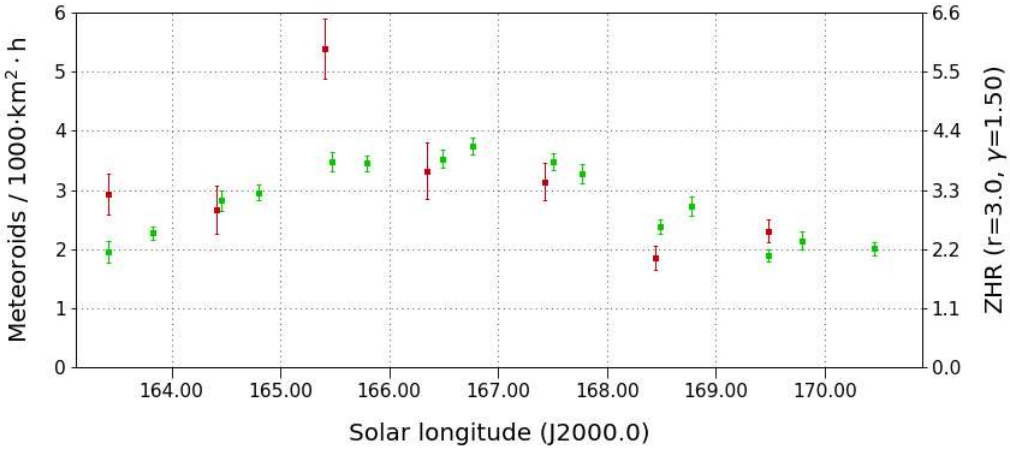


***Figure 3:*** *Flux density profile of the September Perseids 2011-2016 (green, without 2013) and 2017 (red), derived from video data of the IMO Network*

Also in case of this shower the population index deviates clearly from sporadic meteors (figure 4). Whereas the sporadic value is r=2.6 with slightly smaller scatter than a few days before, we obtain the same population of r=2.0 for the September Perseids as for the alpha Aurigids.

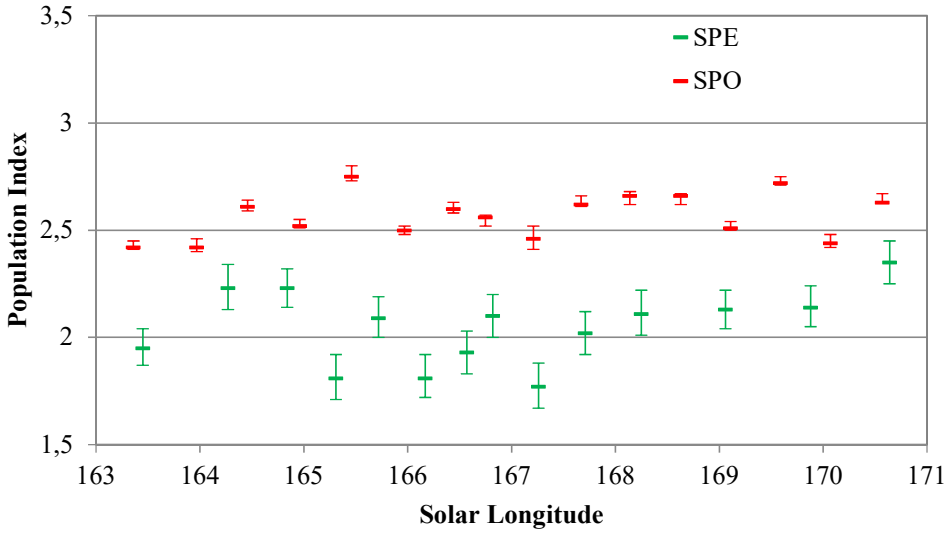


***Figure 4:*** *Comparison of the population index profile of the September Perseids (green) and sporadic meteors (red) in the years 2011-2017 (without 2013).*

## 1. Observers

| Code | Name | Place | Camera | FOV [$^{o2}$] | Slim [mag] | Eff.CA [km$^2$] | Nights | Time [h] | Meteors |
|---|---|---|---|---|---|---|---|---|---|
| ARLRA | Arlt | Ludwigsfelde/DE | LUDWIG2 (0.8/8) | 1475 | 6.2 | 3779 | 28 | 130.7 | 917 |
| BERER | Berkó | Ludanyhalaszi/HU | HULUD1 (0.8/3.8) | 5542 | 4.8 | 3847 | 5 | 34.1 | 167 |
| BOMMA | Bombardini | Faenza/IT | MARIO (1.2/4.0) | 5794 | 3.3 | 739 | 26 | 168.5 | 891 |
| BREMA | Breukers | Hengelo/NL | MBB3 (0.75/6) | 2399 | 4.2 | 699 | 21 | 111.2 | 277 |
| BRIBE | Klemt | Herne/DE | HERMINE (0.8/6) | 2374 | 4.2 | 678 | 22 | 117.0 | 414 |
| | | Berg. Gladbach/DE | KLEMOI (0.8/6) | 2286 | 4.6 | 1080 | 21 | 105.1 | 361 |
| CARMA | Carli | Monte Baldo/IT | BMH2 (1.5/4.5)* | 4243 | 3.0 | 371 | 23 | 138.4 | 798 |
| CASFL | Castellani | Monte Baldo/IT | BMH1 (0.8/6) | 2350 | 5.0 | 1611 | 9 | 64.6 | 191 |
| CINFR | Cineglosso | Faenza/IT | JENNI (1.2/4) | 5886 | 3.9 | 1222 | 26 | 90.1 | 786 |
| CRIST | Crivello | Valbrevenna/IT | ARCI (0.8/3.8) | 5566 | 4.6 | 2575 | 26 | 200.0 | 719 |
| | | | BILBO (0.8/3.8) | 5458 | 4.2 | 1772 | 27 | 189.6 | 824 |
| | | | C3P8 (0.8/3.8) | 5455 | 4.2 | 1586 | 26 | 138.4 | 516 |
| | | | STG38 (0.8/3.8) | 5614 | 4.4 | 2007 | 21 | 162.7 | 1058 |
| ELTMA | Eltri | Venezia/IT | MET38 (0.8/3.8) | 5631 | 4.3 | 2151 | 15 | 105.6 | 359 |
| FORKE | Förster | Carlsfeld/DE | AKM3 (0.75/6) | 2375 | 5.1 | 2154 | 23 | 115.6 | 523 |
| GONRU | Goncalves | Foz do Arelho/PT | FARELHO1 (0.75/4.5) | 2286 | 3.0 | 208 | 16 | 90.7 | 60 |
| | | Tomar/PT | TEMPLAR1 (0.8/6) | 2179 | 5.3 | 1842 | 30 | 260.0 | 1101 |
| | | | TEMPLAR2 (0.8/6) | 2080 | 5.0 | 1508 | 30 | 259.6 | 727 |
| | | | TEMPLAR3 (0.8/8) | 1438 | 4.3 | 571 | 30 | 232.2 | 354 |
| | | | TEMPLAR4 (0.8/3.8) | 4475 | 3.0 | 442 | 30 | 257.8 | 827 |
| | | | TEMPLAR5 (0.75/6) | 2312 | 5.0 | 2259 | 29 | 222.2 | 758 |
| GOVMI | Govedic | Sredisce ob Dr./SI | ORION2 (0.8/8) | 1447 | 5.5 | 1841 | 23 | 119.2 | 425 |
| | | | ORION4 (0.95/5) | 2662 | 4.3 | 1043 | 13 | 63.7 | 157 |
| HERCA | Hergenrother | Tucson/US | SALSA3 (0.8/3.8) | 2336 | 4.1 | 544 | 28 | 247.1 | 427 |
| HINWO | Hinz | Schwarzenberg/DE | HINWO1 (0.75/6) | 2291 | 5.1 | 1819 | 24 | 142.3 | 599 |
| IGAAN | Igaz | Hodmezovasar./HU | HUHOD (0.8/3.8) | 5502 | 3.4 | 764 | 19 | 50.7 | 146 |
| | | Budapest/HU | HUPOL (1.2/4) | 3790 | 3.3 | 475 | 8 | 45.2 | 37 |
| JONKA | Jonas | Budapest/HU | HUSOR (0.95/4) | 2286 | 3.9 | 445 | 18 | 91.4 | 205 |
| | | | HUSOR2 (0.95/3.5) | 2465 | 3.9 | 715 | 17 | 110.5 | 172 |
| KACJA | Kac | Kamnik/SI | CVETKA (0.8/3.8) | 4914 | 4.3 | 1842 | 8 | 39.4 | 207 |
| | | Kostanjevec/SI | METKA (0.8/12)* | 715 | 6.4 | 640 | 19 | 100.8 | 386 |
| | | Ljubljana/SI | ORION1 (0.8/8) | 1399 | 3.8 | 268 | 12 | 52.3 | 155 |
| | | Kamnik/SI | REZIKA (0.8/6) | 2270 | 4.4 | 840 | 7 | 35.8 | 213 |
| | | | STEFKA (0.8/3.8) | 5471 | 2.8 | 379 | 2 | 4.6 | 5 |
| LOPAL | Lopes | Lisboa/PT | NASO1 (0.75/6) | 2377 | 3.8 | 506 | 25 | 210.3 | 278 |
| MACMA | Maciejewski | Chelm/PL | PAV35 (0.8/3.8) | 5495 | 4.0 | 1584 | 9 | 52.6 | 172 |
| | | | PAV36 (0.8/3.8)* | 5668 | 4.0 | 1573 | 11 | 78.6 | 319 |
| | | | PAV43 (0.75/4.5)* | 3132 | 3.1 | 319 | 9 | 64.4 | 155 |
| | | | PAV60 (0.75/4.5) | 2250 | 3.1 | 281 | 11 | 78.2 | 275 |
| MARRU | Marques | Lisbon/PT | CAB1 (0.75/6) | 2362 | 4.8 | 1517 | 29 | 262.0 | 993 |
| | | | RAN1 (1.4/4.5) | 4405 | 4.0 | 1241 | 29 | 222.1 | 803 |
| MASMI | Maslov | Novosimbirsk/RU | NOWATEC (0.8/3.8) | 5574 | 3.6 | 773 | 13 | 42.3 | 217 |
| MOLSI | Molau | Seysdorf/DE | AVIS2 (1.4/50)* | 1230 | 6.9 | 6152 | 27 | 166.5 | 1350 |
| | | | ESCIMO2 (0.85/25) | 155 | 8.1 | 3415 | 23 | 146.2 | 276 |
| | | | MINCAM1 (0.8/8) | 1477 | 4.9 | 1084 | 26 | 145.2 | 554 |
| | | Ketzür/DE | REMO1 (0.8/8) | 1467 | 6.5 | 5491 | 28 | 124.2 | 843 |
| | | | REMO2 (0.8/8) | 1478 | 6.4 | 4778 | 24 | 137.4 | 1040 |
| | | | REMO3 (0.8/8) | 1420 | 5.6 | 1967 | 26 | 159.8 | 917 |
| | | | REMO4 (0.8/8) | 1478 | 6.5 | 5358 | 28 | 157.9 | 1257 |
| MORJO | Morvai | Fülöpszallas/HU | HUFUL (1.4/5) | 2522 | 3.5 | 532 | 17 | 107.6 | 179 |
| MOSFA | Moschini | Rovereto/IT | ROVER (1.4/4.5) | 3896 | 4.2 | 1292 | 20 | 110.0 | 219 |
| OCHPA | Ochner | Albiano/IT | ALBIANO (1.2/4.5) | 2944 | 3.5 | 358 | 7 | 14.4 | 29 |
| OTTMI | Otte | Pearl City/US | ORIE1 (1.4/5.7) | 3837 | 3.8 | 460 | 25 | 139.7 | 260 |
| PERZS | Perkó | Becsehely/HU | HUBEC (0.8/3.8)* | 5498 | 2.9 | 460 | 22 | 111.7 | 320 |
| ROTEC | Rothenberg | Berlin/DE | ARMEFA (0.8/6) | 2366 | 4.5 | 911 | 21 | 134.6 | 440 |
| SARAN | Saraiva | Carnaxide/PT | RO1 (0.75/6) | 2362 | 3.7 | 381 | 28 | 249.7 | 482 |
| | | | RO2 (0.75/6) | 2381 | 3.8 | 459 | 29 | 262.2 | 689 |
| | | | RO3 (0.8/12) | 710 | 5.2 | 619 | 29 | 262.4 | 924 |
| | | | RO4 (1.0/8) | 1582 | 4.2 | 549 | 29 | 222.7 | 314 |
| | | | SOFIA (0.8/12) | 738 | 5.3 | 907 | 29 | 248.4 | 512 |
| SCALE | Scarpa | Alberoni/IT | LEO (1.2/4.5)* | 4152 | 4.5 | 2052 | 23 | 116.3 | 165 |
| SCHHA | Schremmer | Niederkrüchten/DE | DORAEMON (0.8/3.8) | 4900 | 3.0 | 409 | 23 | 118.0 | 356 |
| SLAST | Slavec | Ljubljana/SI | KAYAK1 (1.8/28) | 563 | 6.2 | 1294 | 11 | 40.0 | 240 |
| | | | KAYAK2 (0.8/12) | 741 | 5.5 | 920 | 13 | 52.5 | 67 |
| STOEN | Stomeo | Scorze/IT | MIN38 (0.8/3.8) | 5566 | 4.8 | 3270 | 22 | 113.5 | 738 |
| | | | NOA38 (0.8/3.8) | 5609 | 4.2 | 1911 | 24 | 110.4 | 546 |
| | | | SCO38 (0.8/3.8) | 5598 | 4.8 | 3306 | 27 | 124.3 | 793 |
| STRJO | Strunk | Herford/DE | MINCAM2 (0.8/6) | 2354 | 5.4 | 2751 | 26 | 142.3 | 751 |
| | | | MINCAM3 (0.8/6) | 2338 | 5.5 | 3590 | 26 | 129.2 | 384 |
| | | | MINCAM4 (0.8/6) | 2306 | 5.0 | 1412 | 28 | 108.9 | 268 |
| | | | MINCAM5 (0.8/6) | 2349 | 5.0 | 1896 | 24 | 134.4 | 482 |
| | | | MINCAM6 (0.8/6) | 2395 | 5.1 | 2178 | 26 | 131.4 | 386 |
| TEPIS | Tepliczky | Agostyan/HU | HUAGO (0.75/4.5) | 2427 | 4.4 | 1036 | 19 | 107.2 | 248 |
| | | | HUMOB (0.8/6) | 2388 | 4.8 | 1607 | 13 | 96.3 | 302 |
| WEGWA | Wegrzyk | Nieznaszyn/PL | PAV78 (0.8/6) | 2286 | 4.0 | 778 | 16 | 46.2 | 182 |
| YRJIL | Yrjölä | Kuusankoski/FI | FINEXCAM (0.8/6) | 2337 | 5.5 | 3574 | 14 | 75.3 | 273 |
| ZAKJU | Zakrajšek | Petkovec/SI | TACKA (0.8/12) | 714 | 5.3 | 783 | 15 | 52.3 | 98 |
| Sum | | | | | | | 30 | 9906.7 | 35858 |

* active field of view smaller than video frame

## 2. Observing Times (h)

| September | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARLRA | 2.4 | 7.1 | 7.2 | 7.1 | 1.6 | 3.5 | 1.8 | 0.3 | - | 7.5 | 7.2 | 7.1 | 6.6 | 1.4 | 7.3 |
| BERER | - | - | - | - | - | - | 8.9 | 3.6 | - | - | - | - | - | - | - |
| BOMMA | 9.0 | 0.3 | 9.5 | 5.3 | 9.5 | 0.9 | 1.2 | 8.8 | 0.8 | 0.8 | 9.6 | 10.0 | 10.0 | 6.8 | 0.2 |
| BREMA | 5.1 | 8.3 | 5.4 | 4.4 | - | - | - | - | 7.5 | - | 0.4 | 3.6 | 3.6 | 3.7 | 8.1 |
| BRIBE | - | 8.7 | 6.7 | 1.3 | 1.0 | - | - | - | 6.7 | 0.3 | 3.6 | 3.2 | 4.7 | 3.0 | 9.5 |
| | 1.3 | 7.8 | 7.0 | - | - | - | - | - | 5.4 | 1.6 | 2.5 | 3.2 | 1.2 | 2.3 | 8.8 |
| CARMA | 4.4 | 1.3 | 7.0 | 3.9 | 7.4 | 3.7 | 1.4 | 3.9 | - | 0.7 | 0.9 | 9.9 | 7.0 | 9.5 | - |
| CASFL | 3.7 | - | 3.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| CRIST | 4.4 | 0.4 | 4.5 | 3.3 | 3.9 | 0.6 | 1.1 | 2.9 | 0.2 | 0.5 | 3.7 | 3.7 | 5.0 | 1.8 | - |
| | 8.7 | 6.4 | 7.4 | 9.1 | 8.0 | 6.8 | 7.3 | 4.9 | - | - | 7.2 | 9.4 | 7.7 | 5.8 | - |
| | 8.3 | 5.1 | 7.1 | 9.1 | 6.8 | 5.1 | 4.7 | 4.3 | - | - | 7.5 | 9.6 | 7.5 | 4.1 | - |
| | 2.6 | 4.5 | 2.6 | 8.2 | 6.5 | 4.5 | 6.5 | 2.7 | - | 1.4 | 7.0 | 8.5 | 0.5 | 3.9 | - |
| DONJE | 8.7 | 5.9 | - | - | - | - | - | - | - | - | 7.2 | 9.6 | 7.5 | 8.6 | - |
| ELTMA | 6.7 | - | 3.0 | 1.9 | 5.4 | 0.6 | - | 4.7 | - | - | - | 9.7 | 9.1 | - | - |
| FORKE | 2.0 | 2.1 | 8.3 | 8.1 | - | 0.6 | 4.5 | 0.2 | - | 6.6 | 6.7 | 1.0 | - | - | 8.3 |
| GONRU | 8.8 | 5.3 | - | - | - | - | 4.1 | - | 7.5 | 5.6 | 9.5 | - | - | 9.5 | 9.3 |
| | 9.4 | 9.4 | 4.1 | 2.0 | 8.7 | 9.3 | 9.5 | 3.7 | 9.6 | 9.6 | 9.8 | 8.9 | 7.7 | 9.9 | 10.0 |
| | 9.4 | 9.2 | 3.1 | 2.1 | 7.8 | 9.4 | 9.7 | 4.3 | 9.7 | 9.8 | 9.8 | 9.0 | 8.1 | 10.0 | 10.1 |
| | 9.3 | 8.7 | 3.6 | 1.5 | 6.6 | 9.5 | 9.2 | 1.0 | 9.6 | 9.7 | 9.7 | 7.7 | 6.0 | 3.5 | 10.0 |
| | 9.5 | 8.9 | 3.3 | 2.1 | 8.1 | 9.5 | 9.7 | 3.8 | 9.8 | 9.9 | 9.9 | 9.1 | 7.5 | 10.1 | 10.1 |
| | 9.2 | 6.5 | 3.3 | - | 5.4 | 6.8 | 5.1 | 0.5 | 9.5 | 9.5 | 9.6 | 8.0 | 5.8 | 9.8 | 9.9 |
| GOVMI | 1.3 | - | 7.4 | 7.2 | 8.7 | - | 1.2 | 8.8 | 7.2 | 4.1 | - | 1.8 | 9.5 | 0.5 | - |
| | - | - | 3.0 | 1.5 | 8.0 | - | - | 8.0 | - | 3.2 | - | 0.9 | 8.3 | - | - |
| HERCA | 10.0 | 9.6 | 2.1 | 6.7 | 7.7 | 10.1 | 9.5 | 6.5 | - | - | 10.1 | 6.6 | 8.8 | 7.9 | 10.1 |
| HINWO | 0.7 | 1.5 | 8.8 | 8.3 | 3.6 | 0.5 | 5.9 | 2.2 | - | 9.2 | 9.1 | 7.1 | - | 0.8 | 8.3 |
| IGAAN | 1.9 | - | - | 1.3 | - | - | 2.9 | 4.4 | 2.9 | 1.3 | - | 0.4 | 5.1 | - | 1.2 |
| | 4.0 | - | - | - | - | 6.0 | - | 7.9 | 7.8 | - | - | 2.0 | - | - | - |
| JONKA | 4.8 | - | - | 6.7 | 1.0 | 4.0 | 4.8 | 6.5 | 3.1 | - | - | 2.6 | 2.1 | - | 1.9 |
| | - | - | - | 7.3 | 0.4 | 3.3 | 8.8 | 8.2 | 7.8 | - | - | 4.2 | 5.2 | - | 2.4 |
| KACJA | - | - | - | 3.1 | 2.6 | - | - | - | - | - | - | - | 5.1 | - | - |
| | - | - | 4.9 | 5.7 | 4.7 | - | - | 6.1 | 5.5 | 2.5 | - | 4.4 | 9.6 | - | - |
| | 0.2 | - | 1.8 | 4.2 | 7.8 | 2.8 | - | 1.0 | - | - | - | - | 5.7 | - | - |
| | - | - | - | 2.9 | 2.4 | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | 2.1 | 2.5 | - | - | - | - | - | - | - | - | - | - |
| LOPAL | 8.8 | 9.1 | 2.5 | 1.4 | 9.1 | 9.1 | 8.7 | - | 8.0 | 9.5 | 9.7 | 9.7 | 5.8 | - | 9.4 |
| MACMA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 6.9 | 0.6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 6.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 6.9 | 0.8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MARRU | 9.2 | 9.3 | 5.7 | 4.5 | 9.4 | 8.5 | 7.8 | 6.8 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.5 |
| | 8.8 | 5.8 | 2.2 | 3.0 | 4.4 | 7.5 | 6.5 | - | 8.0 | 9.7 | 9.8 | 9.9 | 5.7 | 8.4 | 9.9 |
| MASMI | 0.2 | 7.0 | 7.5 | 7.3 | 0.3 | - | - | - | - | - | 0.8 | 0.5 | 1.2 | - | 8.9 |
| MOLSI | - | 1.2 | 6.3 | 6.4 | 2.5 | 1.7 | 5.5 | 8.5 | - | 8.6 | 7.2 | 6.1 | 5.4 | 6.6 | 4.2 |
| | - | - | - | 4.4 | 2.5 | - | 5.8 | 8.4 | - | 8.8 | 6.8 | 6.3 | 6.2 | 2.4 | - |
| | - | - | 4.9 | 5.9 | 0.3 | - | 4.3 | 5.6 | - | 7.6 | 3.9 | 5.0 | 6.0 | 5.6 | 1.9 |
| | 0.3 | 7.0 | 7.1 | 7.3 | 1.6 | 3.4 | 1.6 | 1.0 | 0.5 | 6.9 | 7.6 | 7.4 | 7.2 | 0.8 | 7.6 |
| | 0.9 | 7.7 | 7.7 | 7.7 | - | 3.3 | 0.6 | - | - | 7.0 | 8.5 | 8.1 | 8.1 | 1.1 | 8.8 |
| | - | 8.6 | 8.6 | 8.7 | 4.4 | 4.8 | 2.4 | 1.8 | 1.7 | 8.2 | 9.2 | 8.9 | 9.1 | 1.4 | 9.1 |
| | - | 8.6 | 8.6 | 8.7 | 2.7 | 4.2 | 1.9 | 2.1 | 1.7 | 8.0 | 9.1 | 8.9 | 8.6 | 1.5 | 9.3 |
| MORJO | 7.0 | - | - | 8.3 | - | - | 7.8 | - | - | - | - | 1.5 | 6.8 | 0.3 | 4.1 |
| MOSFA | 4.3 | - | 5.7 | 3.0 | 2.6 | - | - | 4.4 | - | 0.5 | 0.6 | 9.9 | 9.4 | 6.0 | - |
| OCHPA | 2.4 | - | 6.8 | - | 3.7 | - | - | - | - | - | 0.3 | 0.2 | 0.2 | - | - |
| OTTMI | 2.1 | 4.5 | 2.0 | - | 4.3 | 0.8 | 9.3 | 9.7 | 9.7 | 7.4 | - | 1.6 | 0.7 | 1.9 | 2.5 |
| PERZS | 2.8 | 0.6 | 5.1 | 3.1 | 7.0 | - | 0.3 | 5.3 | 7.9 | - | - | - | 9.5 | 1.0 | 0.9 |
| ROTEC | 2.7 | 8.4 | 8.5 | 8.6 | 0.2 | - | - | - | - | 9.1 | 8.7 | 8.9 | 7.4 | 1.9 | 8.6 |
| SARAN | 9.5 | 9.4 | 0.5 | - | 7.3 | 6.8 | 6.4 | 3.3 | 8.4 | 10.1 | 10.0 | 10.3 | 7.0 | 8.5 | 10.4 |
| | 9.3 | 9.1 | 1.5 | - | 8.2 | 9.8 | 9.3 | 1.5 | 9.1 | 9.7 | 10.1 | 10.1 | 6.3 | 10.2 | 10.3 |
| | 9.4 | 8.8 | 2.4 | - | 7.9 | 9.6 | 9.7 | 3.1 | 9.8 | 9.8 | 9.8 | 9.8 | 8.3 | 10.0 | 10.1 |
| | 8.8 | 8.1 | 1.4 | 0.6 | 7.0 | 9.1 | 6.4 | 0.7 | 8.3 | 9.6 | 9.8 | 9.8 | 6.0 | 9.9 | 9.8 |
| | 7.3 | 5.7 | 1.6 | - | 7.8 | 6.3 | 7.0 | 3.0 | 9.8 | 9.8 | 10.1 | 10.1 | 8.4 | 10.2 | 10.2 |
| SCALE | 7.0 | - | 4.0 | 1.6 | 7.6 | 1.1 | 0.2 | 4.9 | - | - | 0.2 | 9.7 | - | 4.6 | - |
| SCHHA | - | 4.6 | 6.7 | - | 1.6 | - | - | - | 5.5 | - | 4.5 | 3.1 | 4.9 | 4.1 | 9.5 |
| SLAST | - | - | 7.3 | 2.1 | 1.7 | - | - | - | - | - | - | - | 6.1 | - | - |
| | - | - | 7.3 | 4.6 | 5.9 | 0.2 | - | 0.8 | 0.8 | - | - | - | 6.0 | 1.5 | - |
| STOEN | 5.4 | - | 5.2 | 2.1 | 6.8 | 1.0 | 0.7 | 5.7 | - | 0.8 | - | 7.9 | 8.5 | 1.5 | - |
| | 2.2 | 0.5 | 4.2 | 1.9 | 6.7 | 1.5 | 0.8 | 4.6 | - | - | 0.3 | 9.3 | 8.0 | 1.5 | - |
| | 5.9 | 0.4 | 5.7 | 3.5 | 6.9 | 1.7 | 1.2 | 5.5 | 0.2 | 0.3 | 0.3 | 9.8 | 8.6 | 2.1 | 0.2 |
| STRJO | 3.5 | 8.5 | 8.2 | 8.8 | - | 0.3 | - | - | 7.7 | 2.0 | 1.8 | 4.8 | 5.5 | 3.3 | 8.1 |
| | 3.6 | 7.7 | 7.1 | 7.6 | - | 0.5 | - | - | 7.7 | 1.7 | 1.5 | 4.4 | 5.0 | 2.3 | 7.8 |
| | 5.1 | 8.0 | 8.2 | 8.7 | - | 0.3 | 0.2 | - | 6.7 | 2.2 | 2.0 | 4.6 | 5.0 | 1.0 | 1.0 |
| | 4.5 | 8.2 | 8.0 | 7.5 | - | - | - | - | 6.7 | 2.0 | 1.9 | 3.5 | 4.3 | 3.1 | 7.6 |
| | 4.1 | 7.8 | 7.5 | 8.3 | - | 0.3 | - | - | 7.7 | 1.4 | 1.7 | 4.3 | 5.4 | 2.6 | 7.5 |
| TEPIS | - | - | - | 8.1 | 2.4 | 4.7 | 8.8 | 3.4 | 8.8 | 1.4 | - | 3.2 | 6.5 | 0.8 | 0.6 |
| | - | - | - | 8.0 | - | - | - | 8.3 | 9.2 | - | - | - | 5.7 | - | - |
| WEGWA | - | - | - | 0.6 | - | 0.2 | 3.4 | 1.0 | 1.0 | - | - | 1.1 | - | 1.2 | 2.7 |
| YRJIL | 6.8 | - | 7.1 | 7.3 | 4.3 | - | - | - | - | - | 4.7 | - | 1.5 | - | 1.1 |
| ZAKJU | 0.2 | - | 7.7 | 6.8 | 7.5 | 2.5 | - | 1.7 | 0.9 | - | - | 0.2 | - | - | - |
| Sum | 308.3 | 283.0 | 315.4 | 302.8 | 280.7 | 196.7 | 234.4 | 210.3 | 265.8 | 255.3 | 301.3 | 379.5 | 388.6 | 239.6 | 317.1 |

| September | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARLRA | 7.0 | 6.2 | 8.2 | 6.7 | 2.2 | 1.9 | 8.6 | - | 1.1 | 1.4 | 1.8 | 3.0 | 2.9 | 8.8 | 2.8 |
| BERER | - | - | - | - | - | - | 2.6 | - | - | - | - | - | 9.8 | 9.2 | - |
| BOMMA | - | - | - | - | 10.3 | 8.2 | 8.5 | 8.5 | 3.3 | 10.3 | 9.9 | 6.5 | 10.0 | 7.2 | 3.1 |
| BREMA | 8.9 | 2.5 | - | 3.9 | 1.0 | 10.0 | - | 7.7 | 5.0 | 4.7 | 7.8 | 7.5 | - | - | 2.1 |
| BRIBE | 5.7 | 6.0 | - | 1.6 | 8.1 | 9.6 | - | 8.5 | 4.7 | 5.7 | 4.6 | 6.3 | - | - | 7.5 |
| | 8.0 | 6.0 | - | 5.2 | 8.0 | 8.8 | - | 6.6 | - | 3.2 | 9.1 | 3.3 | 0.7 | - | 5.1 |
| CARMA | 4.6 | 6.2 | - | 6.4 | 8.1 | 10.4 | 10.1 | - | 6.4 | 7.1 | 10.5 | 7.6 | - | - | - |
| CASFL | - | - | - | - | 8.3 | 10.4 | 9.3 | - | 5.6 | 5.7 | 10.4 | 7.7 | - | - | - |
| CRIST | 0.5 | - | - | - | 4.5 | 6.5 | 6.1 | 6.0 | 1.9 | 6.6 | 5.8 | 3.9 | 5.4 | 4.9 | 2.0 |
| | 6.4 | 6.7 | 0.2 | 9.7 | 10.0 | 9.8 | 6.6 | 6.6 | 6.9 | 7.0 | 10.1 | 10.4 | 10.4 | 10.5 | - |
| | 5.4 | 6.4 | 0.4 | 9.3 | 10.0 | 9.9 | 6.7 | 6.3 | 7.0 | 7.1 | 10.2 | 10.4 | 10.4 | 10.5 | 0.4 |
| | 0.3 | 4.1 | - | 7.1 | 10.0 | 5.1 | 2.2 | 2.1 | 5.5 | 1.7 | 10.1 | 10.4 | 10.4 | 10.0 | - |
| DONJE | 7.0 | 8.3 | 0.3 | 10.0 | 10.0 | 9.9 | 6.4 | 7.0 | 6.8 | 7.3 | 10.3 | 10.4 | 10.4 | 10.5 | 0.6 |
| ELTMA | - | 7.4 | - | - | - | 10.4 | 10.3 | - | - | 10.3 | 10.4 | - | 9.8 | - | 5.9 |
| FORKE | 7.3 | 6.5 | 9.2 | 1.2 | - | 1.8 | 5.7 | 0.3 | - | 0.6 | 8.3 | 8.0 | 8.4 | 9.9 | - |
| GONRU | 6.1 | - | 0.3 | - | - | 1.0 | 0.2 | 5.2 | - | - | 9.6 | 4.3 | - | - | 4.4 |
| | 10.1 | 10.1 | 10.1 | 8.9 | 9.4 | 5.7 | 7.0 | 9.9 | 8.8 | 10.0 | 10.5 | 10.5 | 10.5 | 6.3 | 10.6 |
| | 10.1 | 10.2 | 10.2 | 8.8 | 9.5 | 4.8 | 7.1 | 9.9 | 8.8 | 10.1 | 10.6 | 10.6 | 10.6 | 6.0 | 10.8 |
| | 10.1 | 10.2 | 9.7 | 6.4 | 8.4 | 3.1 | 6.0 | 8.9 | 8.5 | 9.8 | 10.4 | 10.5 | 10.5 | 3.6 | 10.5 |
| | 10.2 | 10.2 | 10.2 | 8.7 | 8.9 | 5.7 | 7.1 | 9.9 | 8.8 | 9.8 | 10.6 | 10.7 | 10.6 | 4.7 | 10.4 |
| | 9.8 | 9.9 | 9.6 | 6.1 | 8.1 | 2.7 | 5.9 | 8.7 | 7.6 | 9.5 | 10.3 | 10.3 | 10.3 | 4.1 | 10.4 |
| GOVMI | - | 2.0 | - | 0.3 | 4.7 | 5.4 | 7.5 | 4.5 | 2.0 | - | 0.2 | 4.0 | 10.2 | 10.2 | 10.5 |
| | - | - | - | - | - | 8.4 | 6.6 | - | - | 0.5 | - | 2.9 | - | 6.6 | 5.8 |
| HERCA | 10.5 | 8.1 | 9.5 | 9.9 | 9.3 | 9.1 | 8.1 | 6.7 | 10.3 | 10.5 | 10.3 | 10.5 | 9.4 | 9.6 | 9.6 |
| HINWO | 7.6 | 9.1 | 9.8 | - | 0.7 | - | 6.9 | 1.4 | - | 2.6 | 7.2 | 10.1 | 10.4 | 10.5 | - |
| IGAAN | 1.8 | 6.5 | 3.5 | 2.2 | - | - | 5.0 | - | 3.0 | - | 0.5 | 2.2 | 0.3 | - | 4.3 |
| | - | - | - | - | - | - | - | - | - | - | 8.0 | - | 6.6 | - | 2.9 |
| JONKA | - | 6.9 | - | - | - | - | 9.9 | - | 6.6 | - | 4.5 | 3.0 | 8.2 | 8.4 | 6.4 |
| | - | 8.2 | - | - | - | - | 10.2 | - | 10.3 | - | 3.8 | 3.4 | 9.7 | 8.3 | 9.0 |
| KACJA | - | - | - | - | 6.6 | 6.5 | 10.0 | - | - | - | - | - | - | 4.6 | 0.9 |
| | - | 1.7 | - | - | 6.0 | 7.7 | 9.5 | 0.9 | - | 0.5 | 2.3 | 2.3 | 10.4 | 10.5 | 5.6 |
| | - | - | - | - | - | - | 9.1 | - | - | - | - | 4.1 | 3.4 | 6.5 | 5.7 |
| | - | - | - | - | 9.6 | 6.1 | 9.4 | - | - | - | - | - | - | 4.6 | 0.8 |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LOPAL | 9.7 | 9.7 | - | - | - | 8.9 | 9.8 | 9.7 | 6.7 | 9.8 | 10.2 | 10.2 | 9.9 | 5.9 | 9.0 |
| MACMA | - | 2.0 | 8.6 | - | - | - | 0.3 | - | - | 3.0 | 6.3 | 10.0 | 8.5 | 7.0 | 6.9 |
| | - | 2.4 | 8.8 | - | - | - | 0.7 | - | - | 8.0 | 9.0 | 10.5 | 10.4 | 10.6 | 10.7 |
| | - | 2.6 | 8.7 | - | - | - | - | - | - | 5.0 | 6.0 | 8.0 | 7.0 | 9.8 | 10.7 |
| | - | 2.7 | 8.7 | - | - | - | 0.5 | - | - | 7.9 | 8.9 | 10.4 | 10.3 | 10.5 | 10.6 |
| MARRU | 9.4 | 9.5 | 9.5 | 10.2 | 9.8 | 9.8 | 9.6 | 9.6 | 9.6 | 9.7 | 9.2 | - | 9.6 | 9.7 | 9.7 |
| | 9.8 | 9.7 | 4.7 | 10.0 | 8.1 | 10.0 | 10.0 | 10.0 | 2.1 | 6.2 | 10.0 | 10.1 | 6.1 | 7.5 | 8.2 |
| MASMI | 2.7 | 2.1 | 2.7 | 1.1 | - | - | - | - | - | - | - | - | - | - | - |
| MOLSI | 6.5 | 5.0 | 5.9 | 3.4 | 3.0 | 9.5 | 8.0 | 8.9 | 9.7 | 9.7 | 8.2 | 9.8 | 8.4 | 0.3 | - |
| | 1.1 | 4.1 | 6.1 | 2.8 | 3.1 | 9.9 | 8.3 | 9.1 | 10.1 | 10.1 | 9.0 | 10.3 | 8.8 | 1.8 | - |
| | 6.1 | 4.9 | 5.0 | 2.5 | 2.2 | 9.9 | 8.1 | 8.4 | 10.1 | 10.1 | 8.2 | 9.7 | 8.4 | 0.2 | 0.4 |
| | 7.3 | 4.8 | 7.4 | 7.3 | 3.1 | 0.6 | 8.2 | - | 1.5 | 0.7 | 2.6 | 4.8 | 0.1 | 8.5 | - |
| | 8.2 | 5.9 | 8.4 | 8.3 | 4.1 | 1.1 | 9.4 | - | 1.7 | 1.4 | 3.8 | 5.9 | - | 9.7 | - |
| | 8.2 | 5.9 | 9.5 | 8.9 | 4.6 | - | 10.0 | - | 2.0 | 0.9 | 3.8 | 7.1 | - | 10.5 | 1.5 |
| | 8.4 | 6.1 | 9.5 | 8.6 | 4.6 | 1.4 | 10.0 | - | 2.0 | 0.9 | 3.5 | 6.9 | 0.5 | 10.4 | 1.2 |
| MORJO | 3.4 | 9.9 | - | 1.7 | - | - | 10.3 | - | 10.2 | - | 7.1 | 10.3 | 5.0 | 3.3 | 10.6 |
| MOSFA | 1.7 | 3.3 | - | 2.5 | 8.4 | 10.4 | 9.1 | - | 4.5 | 6.3 | 10.6 | 6.8 | - | - | - |
| OCHPA | - | - | - | - | - | - | - | - | 0.8 | - | - | - | - | - | - |
| OTTMI | - | 1.3 | - | 1.7 | - | 2.2 | 10.3 | 10.4 | 10.5 | 6.2 | 1.6 | 10.4 | 7.6 | 10.7 | 10.3 |
| PERZS | - | 4.5 | - | - | 1.1 | 1.6 | 8.8 | 6.7 | 3.5 | - | 3.1 | 8.6 | 9.4 | 10.4 | 10.5 |
| ROTEC | 8.4 | 5.2 | 9.6 | 7.5 | - | 4.6 | 9.9 | - | - | 2.0 | - | - | 0.7 | 10.3 | 3.4 |
| SARAN | 10.5 | 10.5 | 6.7 | 10.5 | - | 10.6 | 10.6 | 10.7 | 8.5 | 10.7 | 10.9 | 10.8 | 10.8 | 10.3 | 9.7 |
| | 10.3 | 10.3 | 5.6 | 10.2 | 10.4 | 9.2 | 10.5 | 10.5 | 7.9 | 10.6 | 10.7 | 10.6 | 10.7 | 10.0 | 10.2 |
| | 10.1 | 10.1 | 7.6 | 10.2 | 10.1 | 10.0 | 10.3 | 10.4 | 8.6 | 10.4 | 10.5 | 10.4 | 10.5 | 4.5 | 10.2 |
| | 10.0 | 9.8 | 3.2 | 9.4 | 8.7 | - | 10.3 | 10.0 | 5.2 | 9.4 | 10.0 | 9.8 | 8.7 | 7.0 | 5.9 |
| | 10.4 | 10.3 | 5.1 | 10.5 | 10.4 | 10.1 | 10.5 | 10.5 | 8.0 | 10.8 | 10.8 | 10.8 | 8.6 | 7.9 | 6.4 |
| SCALE | 1.2 | 4.7 | - | - | 7.7 | 10.2 | 7.7 | 1.2 | 0.4 | 9.5 | 10.3 | 7.8 | 8.5 | 0.4 | 5.8 |
| SCHHA | 4.6 | 3.8 | - | 1.3 | 8.2 | 10.0 | 3.2 | 4.1 | 10.1 | 8.9 | 8.2 | 2.4 | 0.2 | 0.6 | 7.9 |
| SLAST | - | - | - | - | 1.0 | 6.8 | - | - | - | - | 0.4 | 1.6 | 5.4 | 4.2 | 3.4 |
| | - | - | - | - | - | 7.7 | - | 1.4 | - | - | 0.9 | - | 9.0 | 6.4 | - |
| STOEN | 1.0 | - | - | - | 8.3 | 10.4 | 10.3 | - | 1.8 | 10.5 | 10.3 | 9.6 | 5.3 | 0.2 | 0.2 |
| | 0.5 | 5.2 | - | - | 8.6 | 9.6 | 9.4 | 0.4 | 1.7 | 9.7 | 9.5 | 8.7 | 5.4 | 0.2 | - |
| | 0.7 | 5.5 | - | - | 8.1 | 10.3 | 10.1 | - | 1.7 | 10.5 | 9.9 | 9.2 | 4.9 | 0.9 | 0.2 |
| STRJO | 9.6 | 7.6 | - | 2.2 | 8.2 | 9.9 | 2.4 | 1.9 | 5.6 | 6.6 | 7.7 | 9.5 | 3.3 | 2.8 | 2.5 |
| | 9.5 | 7.0 | - | 1.6 | 8.3 | 9.9 | 1.4 | 1.3 | 4.8 | 5.5 | 7.2 | 9.7 | 2.3 | 0.6 | 3.2 |
| | 9.6 | 7.1 | 0.2 | 2.3 | 4.8 | 10.0 | 0.2 | 0.3 | 1.0 | 2.2 | 7.6 | 9.0 | 1.1 | 0.2 | 0.3 |
| | 9.5 | 6.5 | - | 2.1 | 8.1 | 9.9 | 1.9 | 2.0 | 6.6 | 6.7 | 8.1 | 9.6 | 3.0 | - | 3.1 |
| | 9.6 | 6.9 | - | 2.1 | 9.0 | 9.9 | 0.9 | 1.3 | 5.2 | 4.9 | 6.4 | 9.5 | 3.3 | 0.8 | 3.0 |
| TEPIS | - | - | - | - | - | - | 5.8 | - | 5.1 | 0.2 | 9.2 | 7.0 | 10.4 | 10.3 | 10.5 |
| | - | 8.5 | - | - | 0.3 | - | 8.4 | - | 1.8 | - | 9.2 | 5.6 | 10.4 | 10.4 | 10.5 |
| WEGWA | - | 3.3 | 4.6 | - | - | - | 1.3 | - | - | - | 2.7 | 8.3 | 3.5 | 5.6 | 5.7 |
| YRJIL | 5.4 | - | - | 0.5 | - | - | 8.2 | 9.3 | 9.4 | 7.6 | - | - | 2.1 | - | - |
| ZAKJU | - | - | - | - | 3.9 | 4.8 | 5.0 | - | - | - | 0.5 | 2.2 | 6.1 | - | 2.3 |
| Sum | 340.8 | 378.1 | 237.3 | 251.8 | 347.9 | 418.1 | 478.3 | 273.7 | 307.3 | 374.6 | 500.2 | 506.7 | 453.9 | 406.4 | 352.8 |

## 3. Results (Meteors)

| September | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARLRA | 13 | 50 | 56 | 40 | 6 | 14 | 3 | 1 | - | 50 | 58 | 57 | 43 | 5 | 90 |
| BERER | - | - | - | - | - | - | 54 | 13 | - | - | - | - | - | - | - |
| BOMMA | 45 | 2 | 54 | 30 | 45 | 7 | 11 | 42 | 2 | 1 | 48 | 60 | 48 | 31 | 2 |
| BREMA | 22 | 29 | 19 | 10 | - | - | - | - | 19 | - | 1 | 6 | 15 | 2 | 24 |
| BRIBE | - | 58 | 14 | 1 | 4 | - | - | - | 25 | 1 | 11 | 14 | 18 | 17 | 45 |
| | 4 | 23 | 32 | - | - | - | - | - | 25 | 1 | 4 | 12 | 3 | 8 | 29 |
| CARMA | 16 | 4 | 24 | 28 | 35 | 16 | 4 | 12 | - | 1 | 4 | 73 | 44 | 80 | - |
| CASFL | 8 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| CRIST | 35 | 3 | 33 | 24 | 36 | 4 | 11 | 21 | 1 | 4 | 27 | 25 | 39 | 12 | - |
| | 26 | 34 | 28 | 23 | 19 | 14 | 21 | 9 | - | - | 22 | 39 | 19 | 35 | - |
| | 39 | 37 | 38 | 32 | 25 | 23 | 17 | 6 | - | - | 28 | 40 | 22 | 8 | - |
| | 22 | 28 | 3 | 26 | 20 | 14 | 23 | 6 | - | 7 | 29 | 31 | 3 | 29 | - |
| DONJE | 56 | 66 | - | - | - | - | - | - | - | - | 37 | 65 | 42 | 48 | - |
| ELTMA | 34 | - | 17 | 13 | 16 | 3 | - | 18 | - | - | - | 31 | 27 | - | - |
| FORKE | 2 | 4 | 45 | 49 | - | 2 | 7 | 1 | - | 21 | 29 | 3 | - | - | 34 |
| GONRU | 6 | 1 | - | - | - | - | 2 | - | 7 | 2 | 6 | - | - | 10 | 4 |
| | 53 | 46 | 9 | 1 | 21 | 24 | 19 | 7 | 44 | 37 | 50 | 43 | 25 | 54 | 48 |
| | 30 | 21 | 4 | 1 | 16 | 14 | 26 | 12 | 37 | 25 | 36 | 28 | 20 | 24 | 32 |
| | 18 | 10 | 2 | 1 | 2 | 10 | 9 | 1 | 16 | 20 | 21 | 11 | 5 | 11 | 17 |
| | 37 | 17 | 7 | 3 | 24 | 15 | 15 | 7 | 43 | 48 | 53 | 41 | 21 | 46 | 40 |
| | 45 | 23 | 5 | - | 4 | 12 | 10 | 1 | 38 | 27 | 47 | 30 | 15 | 39 | 47 |
| GOVMI | 1 | - | 29 | 14 | 31 | - | 4 | 18 | 28 | 16 | - | 7 | 54 | 2 | - |
| | - | - | 12 | 3 | 18 | - | - | 15 | - | 10 | - | 2 | 24 | - | - |
| HERCA | 17 | 21 | 2 | 11 | 13 | 14 | 4 | 10 | - | - | 16 | 13 | 14 | 14 | 19 |
| HINWO | 2 | 3 | 52 | 35 | 12 | 2 | 12 | 6 | - | 48 | 45 | 31 | - | 4 | 41 |
| IGAAN | 6 | - | - | 4 | - | - | 7 | 12 | 9 | 3 | - | 2 | 14 | - | 5 |
| | 4 | - | - | - | - | 5 | - | 12 | 8 | - | - | 1 | - | - | - |
| JONKA | 19 | - | - | 9 | 4 | 9 | 18 | 13 | 11 | - | - | 3 | 8 | - | 1 |
| | - | - | - | 10 | 2 | 8 | 19 | 8 | 13 | - | - | 2 | 14 | - | 1 |
| KACJA | - | - | - | 9 | 7 | - | - | - | - | - | - | - | 22 | - | - |
| | - | - | 18 | 14 | 14 | - | - | 13 | 11 | 8 | - | 27 | 39 | - | - |
| | 1 | - | 2 | 16 | 32 | 6 | - | 3 | - | - | - | - | 5 | - | - |
| | - | - | - | 11 | 5 | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | 4 | 1 | - | - | - | - | - | - | - | - | - | - |
| LOPAL | 11 | 16 | 2 | 1 | 11 | 8 | 10 | - | 15 | 12 | 22 | 10 | 2 | - | 12 |
| MACMA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 27 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 20 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MARRU | 40 | 28 | 15 | 9 | 36 | 24 | 18 | 11 | 52 | 40 | 43 | 55 | 31 | 43 | 52 |
| | 26 | 24 | 1 | 3 | 6 | 9 | 30 | - | 22 | 38 | 64 | 35 | 5 | 34 | 37 |
| MASMI | 1 | 49 | 41 | 31 | 1 | - | - | - | - | - | 5 | 2 | 3 | - | 35 |
| MOLSI | - | 3 | 37 | 30 | 4 | 2 | 16 | 23 | - | 96 | 72 | 52 | 58 | 48 | 10 |
| | - | - | - | 14 | 4 | - | 11 | 5 | - | 17 | 9 | 13 | 10 | 14 | - |
| | - | - | 11 | 9 | 2 | - | 15 | 6 | - | 30 | 16 | 25 | 37 | 17 | 1 |
| | 2 | 54 | 66 | 62 | 5 | 20 | 7 | 3 | 2 | 50 | 72 | 41 | 39 | 2 | 71 |
| | 2 | 76 | 71 | 50 | - | 15 | 1 | - | - | 47 | 91 | 54 | 65 | 4 | 92 |
| | - | 75 | 62 | 48 | 8 | 26 | 2 | 3 | 6 | 51 | 51 | 55 | 54 | 4 | 52 |
| | - | 73 | 93 | 53 | 4 | 23 | 2 | 8 | 9 | 74 | 105 | 86 | 69 | 7 | 113 |
| MORJO | 17 | - | - | 15 | - | - | 18 | - | - | - | - | 2 | 19 | 1 | 3 |
| MOSFA | 11 | - | 9 | 12 | 2 | - | - | 4 | - | 1 | 2 | 31 | 12 | 23 | - |
| OCHPA | 6 | - | 8 | - | 6 | - | - | - | - | - | 2 | 1 | 1 | - | - |
| OTTMI | 9 | 6 | 4 | - | 4 | 3 | 11 | 9 | 9 | 5 | - | 13 | 5 | 13 | 19 |
| PERZS | 6 | 2 | 18 | 9 | 26 | - | 1 | 7 | 10 | - | - | - | 39 | 1 | 1 |
| ROTEC | 12 | 26 | 27 | 36 | 1 | - | - | - | - | 25 | 35 | 29 | 34 | 2 | 40 |
| SARAN | 13 | 15 | 1 | - | 18 | 7 | 11 | 6 | 7 | 28 | 18 | 23 | 14 | 19 | 20 |
| | 22 | 24 | 2 | - | 35 | 11 | 6 | 1 | 26 | 24 | 25 | 29 | 12 | 24 | 39 |
| | 37 | 27 | 2 | - | 46 | 20 | 27 | 3 | 28 | 38 | 42 | 42 | 16 | 40 | 35 |
| | 12 | 12 | 1 | 1 | 11 | 9 | 9 | 1 | 18 | 16 | 9 | 14 | 7 | 14 | 13 |
| | 15 | 12 | 1 | - | 15 | 3 | 12 | 3 | 10 | 22 | 31 | 34 | 14 | 30 | 20 |
| SCALE | 10 | - | 8 | 7 | 7 | 2 | 1 | 8 | - | - | 1 | 20 | - | 10 | - |
| SCHHA | - | 7 | 14 | - | 7 | - | - | - | 28 | - | 9 | 6 | 17 | 7 | 44 |
| SLAST | - | - | 43 | 8 | 8 | - | - | - | - | - | - | - | 21 | - | - |
| | - | - | 13 | 8 | 5 | 1 | - | 1 | 1 | - | - | - | 4 | 1 | - |
| STOEN | 21 | - | 44 | 19 | 31 | 6 | 4 | 22 | - | 4 | - | 53 | 43 | 7 | - |
| | 12 | 4 | 19 | 11 | 13 | 4 | 6 | 12 | - | - | 2 | 68 | 39 | 9 | - |
| | 33 | 2 | 44 | 30 | 25 | 7 | 9 | 26 | 1 | 2 | 2 | 72 | 46 | 11 | 1 |
| STRJO | 17 | 61 | 51 | 36 | - | 1 | - | - | 35 | 8 | 8 | 23 | 46 | 20 | 58 |
| | 4 | 28 | 27 | 28 | - | 2 | - | - | 29 | 3 | 5 | 7 | 12 | 14 | 37 |
| | 12 | 19 | 24 | 19 | - | 2 | 1 | - | 10 | 7 | 1 | 6 | 10 | 7 | 2 |
| | 8 | 42 | 38 | 37 | - | - | - | - | 19 | 7 | 5 | 4 | 16 | 14 | 30 |
| | 17 | 25 | 20 | 26 | - | 2 | - | - | 25 | 1 | 4 | 6 | 7 | 7 | 36 |
| TEPIS | - | - | - | 10 | 8 | 9 | 25 | 7 | 22 | 4 | - | 6 | 25 | 7 | 1 |
| | - | - | - | 23 | - | - | - | 36 | 24 | - | - | - | 33 | - | - |
| WEGWA | - | - | - | 5 | - | 1 | 21 | 6 | 7 | - | - | 11 | - | 7 | 14 |
| YRJIL | 22 | - | 33 | 28 | 12 | - | - | - | - | - | 14 | - | 6 | - | 1 |
| ZAKJU | 1 | - | 18 | 15 | 28 | 4 | - | 2 | 1 | - | - | 1 | - | - | - |
| Sum | 1024 | 1192 | 1377 | 1115 | 801 | 437 | 570 | 480 | 753 | 980 | 1337 | 1626 | 1474 | 940 | 1368 |

| September | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ARLRA | 72 | 49 | 72 | 53 | 3 | 2 | 88 | - | 2 | 5 | 5 | 4 | 9 | 65 | 2 |
| BERER | - | - | - | - | - | - | 6 | - | - | - | - | - | 51 | 43 | - |
| BOMMA | - | - | - | - | 77 | 40 | 54 | 44 | 28 | 54 | 59 | 25 | 35 | 41 | 6 |
| BREMA | 29 | 4 | - | 9 | 5 | 24 | - | 9 | 6 | 9 | 13 | 19 | - | - | 3 |
| BRIBE | 36 | 16 | - | 4 | 22 | 27 | - | 10 | 9 | 10 | 12 | 28 | - | - | 32 |
| | 39 | 25 | - | 12 | 22 | 36 | - | 17 | - | 6 | 43 | 6 | 1 | - | 13 |
| CARMA | 9 | 10 | - | 36 | 72 | 82 | 40 | - | 18 | 52 | 77 | 61 | - | - | - |
| CASFL | - | - | - | - | 21 | 42 | 20 | - | 7 | 17 | 41 | 31 | - | - | - |
| CRIST | 3 | - | - | - | 42 | 77 | 67 | 52 | 22 | 64 | 51 | 34 | 48 | 38 | 13 |
| | 16 | 11 | 1 | 35 | 45 | 49 | 15 | 16 | 33 | 20 | 46 | 44 | 52 | 47 | - |
| | 15 | 10 | 2 | 39 | 64 | 46 | 17 | 23 | 49 | 31 | 56 | 49 | 50 | 57 | 1 |
| | 2 | 4 | - | 30 | 41 | 19 | 6 | 10 | 18 | 14 | 37 | 27 | 36 | 31 | - |
| DONJE | 23 | 23 | 1 | 70 | 90 | 65 | 23 | 27 | 53 | 49 | 69 | 82 | 91 | 77 | 1 |
| ELTMA | - | 18 | - | - | - | 41 | 29 | - | - | 44 | 28 | - | 20 | - | 20 |
| FORKE | 37 | 40 | 46 | 1 | - | 3 | 29 | 1 | - | 4 | 19 | 39 | 49 | 58 | - |
| GONRU | 1 | - | 1 | - | - | 1 | 1 | 2 | - | - | 11 | 1 | - | - | 4 |
| | 61 | 40 | 44 | 31 | 32 | 18 | 27 | 48 | 24 | 63 | 70 | 55 | 56 | 8 | 43 |
| | 40 | 36 | 28 | 15 | 18 | 7 | 22 | 38 | 25 | 23 | 33 | 37 | 44 | 10 | 25 |
| | 22 | 26 | 10 | 5 | 16 | 2 | 9 | 19 | 16 | 13 | 22 | 13 | 15 | 2 | 10 |
| | 27 | 37 | 31 | 23 | 17 | 7 | 24 | 36 | 29 | 28 | 36 | 36 | 49 | 4 | 26 |
| | 56 | 41 | 34 | 7 | 28 | 2 | 15 | 18 | 26 | 33 | 50 | 46 | 27 | 10 | 22 |
| GOVMI | - | 4 | - | 1 | 23 | 28 | 25 | 10 | 4 | - | 1 | 12 | 38 | 37 | 38 |
| | - | - | - | - | - | 17 | 13 | - | - | 2 | - | 5 | - | 22 | 14 |
| HERCA | 14 | 13 | 21 | 17 | 24 | 21 | 9 | 5 | 18 | 25 | 17 | 17 | 21 | 13 | 24 |
| HINWO | 36 | 58 | 48 | - | 4 | - | 22 | 4 | - | 3 | 17 | 35 | 42 | 37 | - |
| IGAAN | 5 | 17 | 10 | 8 | - | - | 14 | - | 9 | - | 2 | 8 | 1 | - | 10 |
| | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | - | 3 |
| JONKA | - | 20 | - | - | - | - | 19 | - | 12 | - | 8 | 10 | 21 | 9 | 11 |
| | - | 10 | - | - | - | - | 11 | - | 11 | - | 6 | 5 | 25 | 18 | 9 |
| KACJA | - | - | - | - | 30 | 41 | 40 | - | - | - | - | - | - | 46 | 12 |
| | - | 12 | - | - | 24 | 30 | 41 | 1 | - | 1 | 1 | 1 | 45 | 53 | 33 |
| | - | - | - | - | - | - | 19 | - | - | - | - | 8 | 3 | 29 | 31 |
| | - | - | - | - | 70 | 33 | 61 | - | - | - | - | - | - | 24 | 9 |
| | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LOPAL | 5 | 20 | - | - | - | 11 | 11 | 17 | 11 | 16 | 4 | 20 | 14 | 6 | 11 |
| MACMA | - | 4 | 25 | - | - | - | 2 | - | - | 3 | 18 | 29 | 34 | 27 | 30 |
| | - | 3 | 48 | - | - | - | 1 | - | - | 16 | 37 | 46 | 44 | 40 | 56 |
| | - | 9 | 19 | - | - | - | - | - | - | 4 | 18 | 26 | 24 | 20 | 18 |
| | - | 5 | 45 | - | - | - | 1 | - | - | 20 | 32 | 38 | 45 | 32 | 36 |
| MARRU | 52 | 47 | 35 | 30 | 34 | 51 | 38 | 38 | 36 | 44 | 21 | - | 30 | 23 | 17 |
| | 48 | 27 | 21 | 48 | 25 | 41 | 30 | 55 | 11 | 26 | 38 | 34 | 18 | 27 | 20 |
| MASMI | 24 | 4 | 20 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| MOLSI | 34 | 39 | 35 | 28 | 21 | 148 | 70 | 68 | 138 | 107 | 57 | 120 | 33 | 1 | - |
| | 4 | 6 | 11 | 6 | 2 | 39 | 17 | 16 | 17 | 25 | 12 | 16 | 6 | 2 | - |
| | 12 | 9 | 11 | 11 | 8 | 88 | 27 | 20 | 51 | 52 | 24 | 54 | 15 | 1 | 2 |
| | 42 | 22 | 52 | 55 | 20 | 1 | 81 | - | 5 | 1 | 7 | 9 | 1 | 51 | - |
| | 69 | 42 | 75 | 65 | 21 | 3 | 79 | - | 8 | 2 | 19 | 11 | - | 78 | - |
| | 62 | 30 | 66 | 55 | 20 | - | 94 | - | 4 | 3 | 13 | 24 | - | 46 | 3 |
| | 91 | 42 | 96 | 71 | 29 | 1 | 79 | - | 6 | 1 | 20 | 23 | 2 | 76 | 1 |
| MORJO | 1 | 26 | - | 7 | - | - | 22 | - | 11 | - | 4 | 12 | 3 | 2 | 16 |
| MOSFA | 5 | 2 | - | 5 | 16 | 20 | 10 | - | 2 | 17 | 25 | 10 | - | - | - |
| OCHPA | - | - | - | - | - | - | - | - | 5 | - | - | - | - | - | - |
| OTTMI | - | 7 | - | 10 | - | 13 | 11 | 17 | 16 | 4 | 3 | 18 | 15 | 24 | 12 |
| PERZS | - | 8 | - | - | 5 | 4 | 27 | 12 | 12 | - | 2 | 20 | 39 | 37 | 34 |
| ROTEC | 33 | 9 | 35 | 33 | - | 12 | 29 | - | - | 1 | - | - | 1 | 19 | 1 |
| SARAN | 26 | 20 | 12 | 30 | - | 24 | 21 | 28 | 16 | 14 | 21 | 24 | 16 | 14 | 16 |
| | 32 | 32 | 10 | 19 | 28 | 28 | 26 | 28 | 20 | 44 | 35 | 23 | 40 | 22 | 22 |
| | 43 | 33 | 11 | 34 | 22 | 36 | 42 | 32 | 28 | 46 | 55 | 50 | 32 | 32 | 25 |
| | 12 | 12 | 8 | 11 | 10 | - | 15 | 16 | 9 | 13 | 15 | 18 | 16 | 4 | 8 |
| | 22 | 19 | 6 | 15 | 19 | 27 | 21 | 24 | 20 | 22 | 27 | 21 | 15 | 21 | 11 |
| SCALE | 2 | 4 | - | - | 12 | 5 | 6 | 3 | 2 | 8 | 18 | 15 | 7 | 2 | 7 |
| SCHHA | 8 | 11 | - | 4 | 27 | 34 | 7 | 12 | 39 | 25 | 28 | 4 | 1 | 3 | 14 |
| SLAST | - | - | - | - | 4 | 47 | - | - | - | - | 1 | 8 | 22 | 46 | 32 |
| | - | - | - | - | - | 11 | - | 1 | - | - | 1 | - | 9 | 11 | - |
| STOEN | 8 | - | - | - | 88 | 68 | 41 | - | 25 | 78 | 49 | 94 | 30 | 1 | 2 |
| | 3 | 24 | - | - | 62 | 32 | 29 | 1 | 15 | 48 | 38 | 65 | 29 | 1 | - |
| | 5 | 36 | - | - | 86 | 55 | 46 | - | 10 | 81 | 48 | 78 | 31 | 5 | 1 |
| STRJO | 67 | 37 | - | 6 | 37 | 49 | 7 | 3 | 31 | 24 | 30 | 53 | 18 | 4 | 21 |
| | 44 | 17 | - | 5 | 15 | 27 | 6 | 2 | 8 | 16 | 15 | 21 | 6 | 2 | 4 |
| | 28 | 12 | 1 | 3 | 17 | 25 | 1 | 2 | 6 | 16 | 7 | 20 | 7 | 1 | 2 |
| | 50 | 23 | - | 6 | 25 | 28 | 5 | 3 | 26 | 16 | 22 | 38 | 9 | - | 11 |
| | 45 | 20 | - | 1 | 17 | 28 | 2 | 2 | 23 | 5 | 15 | 30 | 10 | 2 | 10 |
| TEPIS | - | - | - | - | - | - | 12 | - | 17 | 1 | 7 | 3 | 29 | 37 | 18 |
| | - | 35 | - | - | 1 | - | 29 | - | 5 | - | 12 | 10 | 26 | 45 | 23 |
| WEGWA | - | 12 | 8 | - | - | - | 5 | - | - | - | 7 | 13 | 14 | 22 | 29 |
| YRJIL | 25 | - | - | 5 | - | - | 27 | 31 | 40 | 24 | - | - | 5 | - | - |
| ZAKJU | - | - | - | - | 2 | 5 | 4 | - | - | - | 3 | 5 | 5 | - | 4 |
| Sum | 1445 | 1232 | 999 | 960 | 1463 | 1721 | 1747 | 821 | 1092 | 1393 | 1639 | 1841 | 1533 | 1566 | 932 |