

In 2016 we could repeatedly report about favourable observing conditions, but September was to top everything, as it dwarfed all the previous results.

But let's have a look at the plain figures. 79 video cameras contributed to the IMO video network in September 2016. 70 of these managed to observe in 20 or more nights, and still 49 in at least 25 nights. In every third September night, more than 70 cameras were active! If we forget about a short period of weakness in the middle of the month, we see that most of the increasing lengthy nights presented continuously starry skies. For this reason, we collected over 14,000 hours of effective observing time, which is a plus of about 1,700 hours to the previously best month (August 2015) and even 25% more than the previously best September. The hourly meteor rate was slightly above the long-term September average, so that also the overall meteor number reached a new all-time-high for September. More than 62,000 meteors in a single month is an output that we never reached in October or December. Only August 2011-2015 could cope with that yield, which is no surprise given the Perseids, which contribute substantially to the meteor activity over several weeks. And September? The meteor shower lists of MDC and IMO contain only a few minor showers in the Perseus / Aurigae region, which show variable activity and present no significant flux at all in many years.

Indeed, we received reports from American visual observers who pointed to increased rates of the September Perseids (SPE) in the three nights of September 8 to 10. However, if we compare the flux density profile of this shower with the previous years (figure 1), we see beside the 2013 outburst (which was omitted from the figure to not distort the graph) no significant variations. The 2016 rate is in fact a bit smaller than the long-term average.

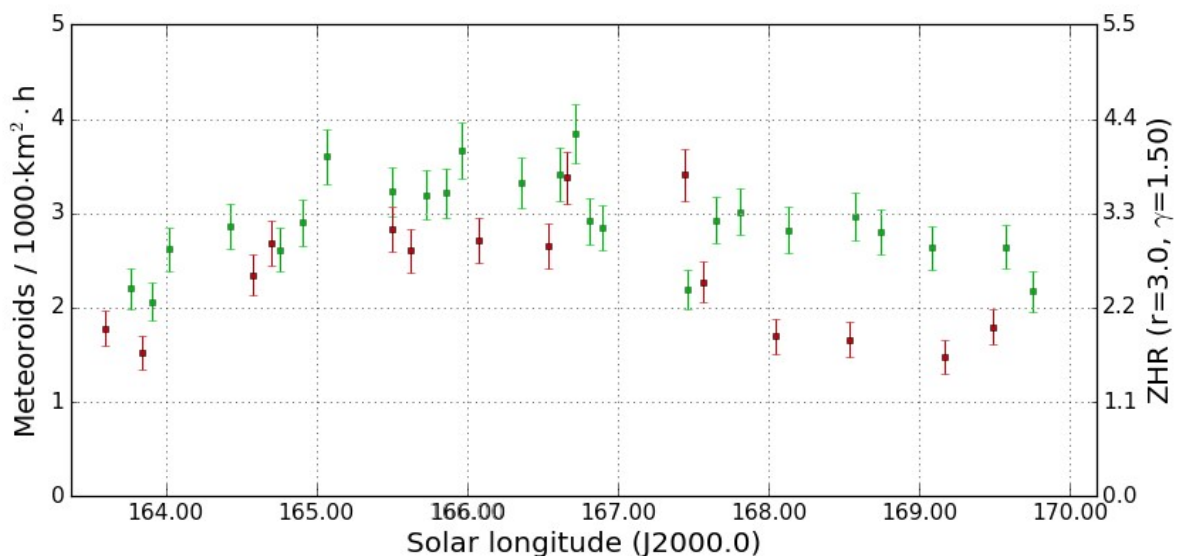


Figure 1: Comparison of the flux density of the September Perseids 2016 (red) with the average of the years 2011-2015 (green, excluding 2013), derived from video data of the IMO Video Meteor Network.

Before we continue to report on algorithms of video meteor observations, we first like to welcome a new Polish observer which found her way to the IMO network. After fixing initial software problems, Wala Wegrzyk has been providing the data from her Mintron camera PAV78 to our network since September.

In the monthly report of March 2016 we derived a formula, how the loss in limiting magnitude caused by the motion of meteors depends from their angular velocity and the point spread function, i.e. the focus of stars and meteors. We relied on the assumption that stars can be modelled by rotation-symmetric bi-variate Gaussians, whose only relevant parameter is the

variance of the distribution. In the June report we presented, how the variance of the Gaussian can be estimated from video footage by plotting the cumulative brightness of pixels against their distance from the center of the object. For better statistics, all bright stars in the field of view are combined into a single distribution.

Today we want to present first practical results with the new methods.

After the algorithm to estimate the variance was implemented in the RefStars tool, we measured all cameras which were active in September. Normally we require low-noise average background images for that, which were not available. Alternatively, we selected for each camera a meteor image that contains many video frames and stars. The disadvantage of that approach is, that the images are more noisy than averaged images, because each pixel contains the maximum value over a number of video frames, not the mean. We shall check at a later point in time whether this is influencing the result in any systematic way.

While measuring the variance we found that the obtained cumulative distribution matches only sometimes to the expected distribution (e.g. for ICC9, figure 2, left). In many cases, the distribution has a kink in the upper part (e.g. in case of AVIS2, figure 2, right). Sometimes that kink has no impact on the variance estimate, but often the variance is getting smaller, when the distribution is fitted only up to the kink.

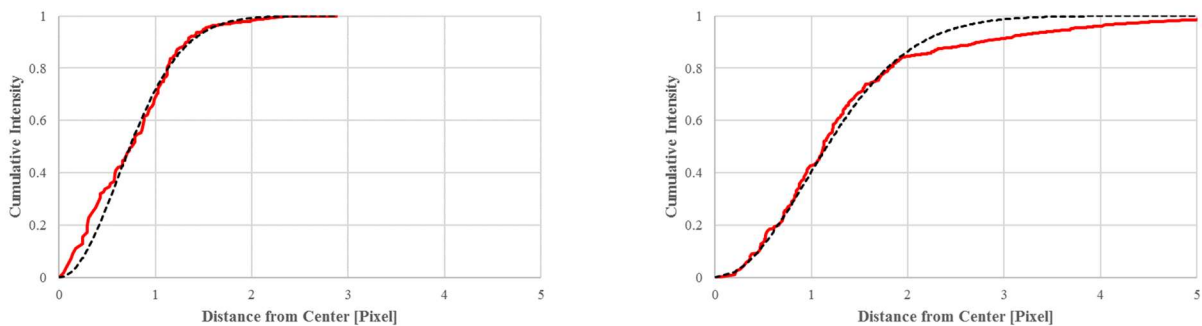


Figure 2: Cumulative brightness distribution of the pixels of all bright stars in the field of view depending on their distance from the center of the object. Left we see the result for ICC9, right for AVIS2. The red solid line represented the measured distribution, the black dashed line the corresponding model.

Taking the average over all cameras we obtain a mean variance of the bi-variate Gaussians of 0.61 without resp. 0.51 with the kink correction (figure 3). The star and meteor images are typically only a few pixels in size. In particular crisp and focussed images are provided by TEMPLAR2, TEMPLAR4 and LIC2 with variances below 0.2. Particularly large stellar images with variances beyond 1.0 are provided by LOOMECON, CAB1 and METKA.

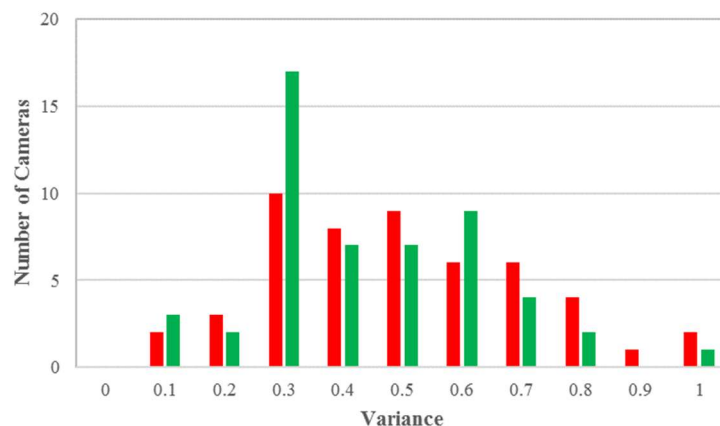


Figure 3: Distribution of the variance of star images with (red) and without (green) considering the distribution beyond the kink.

In addition we learned, that the variance cannot yet be calculated fully autonomously with RefStars, because it reacts sensitively on a number of errors sources:

- In selected cases we found, that the segmentation of stars did not work 100% error-free. Sometimes noisy background pixels were added to the star image. That increased the calculated variance significantly. In this analysis, we removed those stars manually from the list, but maybe such wrong segmentations are the root cause for the kink in the distributions (figure 2).
- Particularly bright stars, where the CCD chip is saturated and blooming, will also distort the estimate. The reason is that pixels at the object center are much brighter than the maximum possible value with 8-bit depth, so they should have a much bigger share in the lower part of the cumulative distribution.
- For about 25% of the cameras we could estimate no variance at all, because there were too few measurable stars in the field of view.
- In the presented analysis, we did not only look at the final estimate of the variance after measuring all bright stars in the field of view, but we also checked the interim results. Often the estimate stabilized the more stars were added, but in a few cases the variance decreased constantly the more fainter stars were added.

Maybe the estimate is getting more robust, when less noisy average images are used. Perhaps the algorithm can also be improved to not use the whole cumulative distribution but only the segment up to the kink.

But which impact does the calculated variance have on the meteor limiting magnitude and derived values like flux density and population index? Up to now, the loss of limiting magnitude depending on the angular velocity was identically modelled for all cameras. With the new model, the loss depends on the camera-specific variance. Figure 4 compares exemplarily the dependency for a variance of 0.3 and 0.6. The deviation between both curves is quickly rising up to 40% (equivalent to 0.3 mag) and remains constant starting at a velocity of about 5 pixels per video frame.

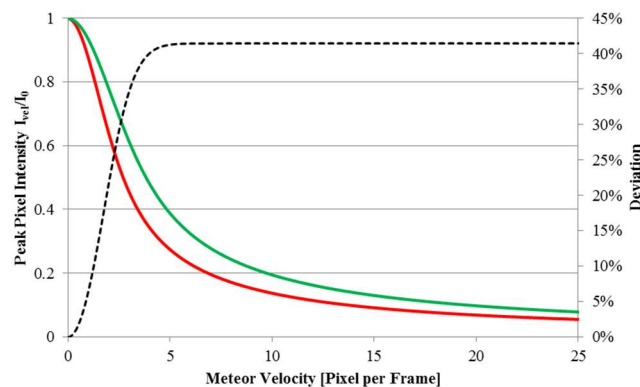


Figure 4: Dependency of the intensity loss from the meteor velocity for an object with a variance of 0.3 (solid red line) resp. 0.6 (solid green line). The percental deviation between both curves is plotted against the secondary y-axis (dashed black line).

May this difference explain the camera-specific perception coefficients that we introduced in the July 2015 report? To clarify that, we calculated the mean sporadic flux density over all of September for each cameras with the old and the new method. We see, that the scatter among the cameras is hardly changing (figure 5). With SRAKA and ICC9 we have to significant upper outliers, which have to be analysed in more detail.

The most important result is, however, that the loss in limiting magnitude by meteor motion is more than half a magnitude less than modelled before, which increases the calculated effective collection areas by a factor of two, and reduces the flux densities by the same amount. Thus, we cannot simply merge the data obtained by both methods, but rather have to update the whole data set with the new method first.

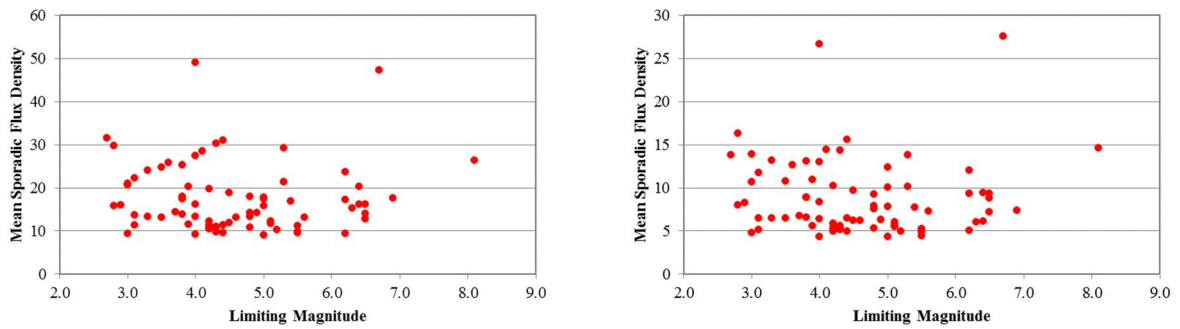


Figure 5: Mean sporadic flux density in September obtained by the old method, where the dependency between meteor velocity and limiting magnitude loss was identical for all cameras (left), and by the new method, where it depends from the variance of star images (right). The x-axis represents the stellar limiting magnitude of the camera

To take the camera-specific variance into account, we re-calculated the perception coefficients for all cameras (based on figure 5, right). Comparing the old and new values we see, that the perception coefficient has changed for some cameras. Otherwise all points of figure 6 would align along the diagonal.

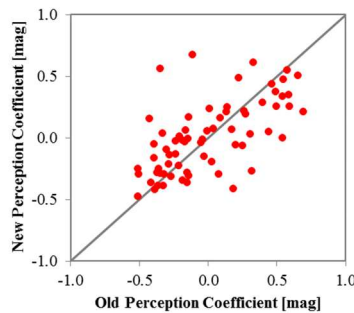


Figure 6: Comparison of the perception coefficients according to the old and new procedure to correct for the meteor velocity.

If we finally calculate the population index of sporadic meteors in all September nights and take the new perception coefficients into account, we see hardly any difference compared to the old method (figure 7). The reason is that all cameras gain more or less similarly in limiting magnitude, and deviations among the cameras are levelled out by the perception coefficient. Thus, the ratio of the meteor counts of individual cameras, which is the basis for the population index calculation, remains almost identical.

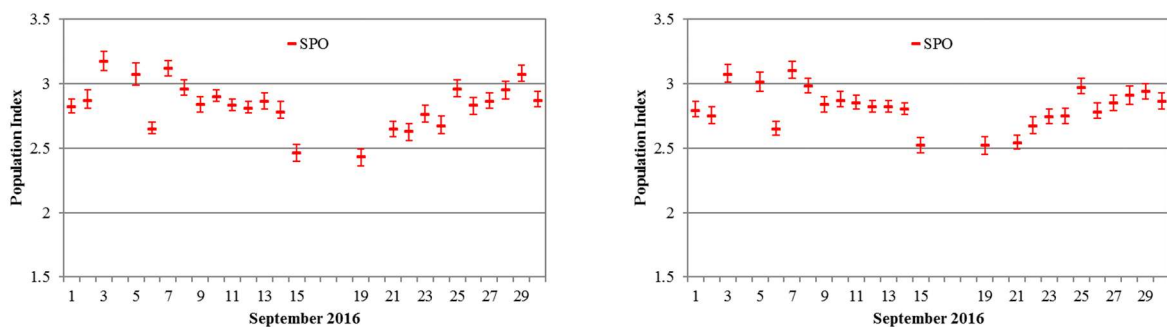


Figure 7: Population index of sporadic meteors in September 2016, calculated by the old (left) and new(right) method to correct for the meteor velocity. Nights with less than 1,000 sporadic meteors were skipped in this analysis.

Overall the improved model helps to register the observing conditions more precisely. It has a significant impact on the calculated flux density, but no impact on the population index or known systematic errors like the dependency of the r-value from the lunar phase.

1. Observers

| Code | Name | Place | Camera | FOV | St.LM | Eff.CA | Nights | Time | Meteors |
|-------|--------------|--------------------|--------------------|------|-------|--------|--------|---------|---------|
| | | | | [°²] | [mag] | [km²] | | [h] | |
| ARLRA | Arlt | Ludwigsfelde/DE | LUDWIG2 (0.8/8) | 1475 | 6.2 | 3779 | 27 | 194.6 | 1315 |
| BERER | Berkó | Ludanyhalaszi/HU | HULUD1 (0.8/3.8) | 5542 | 4.8 | 3847 | 9 | 68.9 | 313 |
| BOMMA | Bombardini | Faenza/IT | MARIO (1.2/4.0) | 5794 | 3.3 | 739 | 27 | 211.6 | 1080 |
| BREMA | Breukers | Hengelo/NL | MBB3 (0.75/6) | 2399 | 4.2 | 699 | 27 | 166.6 | 509 |
| BRIBE | Klemt | Herne/DE | HERMINE (0.8/6) | 2374 | 4.2 | 678 | 26 | 153.7 | 622 |
| | | Berg. Gladbach/DE | KLEMOI (0.8/6) | 2286 | 4.6 | 1080 | 25 | 157.4 | 586 |
| CARMA | Carli | Monte Baldo/IT | BMH2 (1.5/4.5)* | 4243 | 3.0 | 371 | 24 | 156.5 | 423 |
| CASFL | Castellani | Monte Baldo/IT | BMH1 (0.8/6) | 2350 | 5.0 | 1611 | 25 | 186.5 | 645 |
| CRIST | Crivello | Valbrenna/IT | BILBO (0.8/3.8) | 5458 | 4.2 | 1772 | 30 | 218.3 | 914 |
| | | | C3P8 (0.8/3.8) | 5455 | 4.2 | 1586 | 29 | 194.1 | 649 |
| | | | STG38 (0.8/3.8) | 5614 | 4.4 | 2007 | 30 | 228.1 | 1530 |
| DONJE | Donati | Faenza/IT | JENNI (1.2/4) | 5886 | 3.9 | 1222 | 26 | 216.9 | 1314 |
| ELTMA | Eltri | Venezia/IT | MET38 (0.8/3.8) | 5631 | 4.3 | 2151 | 24 | 176.3 | 609 |
| FORKE | Förster | Carlsfeld/DE | AKM3 (0.75/6) | 2375 | 5.1 | 2154 | 24 | 186.6 | 793 |
| GONRU | Goncalves | Foz do Arelho/PT | FARELHO1 (1.0/2.6) | 6328 | 2.8 | 469 | 14 | 102.8 | 109 |
| | | Tomar/PT | TEMPLAR1 (0.8/6) | 2179 | 5.3 | 1842 | 30 | 259.1 | 1284 |
| | | | TEMPLAR2 (0.8/6) | 2080 | 5.0 | 1508 | 30 | 263.4 | 975 |
| | | | TEMPLAR3 (0.8/8) | 1438 | 4.3 | 571 | 29 | 241.4 | 416 |
| | | | TEMPLAR4 (0.8/3.8) | 4475 | 3.0 | 442 | 30 | 256.6 | 909 |
| | | | TEMPLAR5 (0.75/6) | 2312 | 5.0 | 2259 | 30 | 233.3 | 976 |
| GOVMI | Govedic | Sredisce ob Dr./SI | ORION2 (0.8/8) | 1447 | 5.5 | 1841 | 28 | 210.0 | 709 |
| | | | ORION4 (0.95/5) | 2662 | 4.3 | 1043 | 28 | 98.0 | 356 |
| HERCA | Hergenrother | Tucson/US | SALSA3 (0.8/3.8) | 2336 | 4.1 | 544 | 22 | 179.4 | 472 |
| HINWO | Hinz | Schwarzenberg/DE | HINWO1 (0.75/6) | 2291 | 5.1 | 1819 | 22 | 158.7 | 693 |
| IGAAN | Igaz | Budapest/HU | HUPOL (1.2/4) | 3790 | 3.3 | 475 | 19 | 149.1 | 118 |
| JONKA | Jonas | Budapest/HU | HUSOR (0.95/4) | 2286 | 3.9 | 445 | 29 | 200.6 | 358 |
| | | | HUSOR2 (0.95/3.5) | 2465 | 3.9 | 715 | 29 | 213.4 | 399 |
| KACJA | Kac | Kamnik/SI | CVETKA (0.8/3.8) | 4914 | 4.3 | 1842 | 20 | 132.0 | 670 |
| | | Kostanjevec/SI | METKA (0.8/12)* | 715 | 6.4 | 640 | 12 | 93.0 | 213 |
| | | Ljubljana/SI | ORION1 (0.8/8) | 1399 | 3.8 | 268 | 24 | 170.7 | 646 |
| | | Kamnik/SI | REZIKA (0.8/6) | 2270 | 4.4 | 840 | 21 | 152.0 | 1074 |
| | | | STEFKA (0.8/3.8) | 5471 | 2.8 | 379 | 20 | 136.8 | 432 |
| KOSDE | Koschny | Izana Obs./ES | ICC7 (0.85/25)* | 714 | 5.9 | 1464 | 20 | 170.0 | 1485 |
| | | La Palma / ES | ICC9 (0.85/25)* | 683 | 6.7 | 2951 | 29 | 225.0 | 2405 |
| | | Izana Obs./ES | LIC1 (2.8/50)* | 2255 | 6.2 | 5670 | 29 | 261.3 | 2944 |
| | | La Palma / ES | LIC2 (3.2/50)* | 2199 | 6.5 | 7512 | 28 | 261.3 | 3082 |
| LOJTO | Łojek | Grabniak/PL | PAV57 (1.0/5) | 1631 | 3.5 | 269 | 19 | 133.6 | 632 |
| LOPAL | Lopes | Lisboa/PT | NASO1 (0.75/6) | 2377 | 3.8 | 506 | 19 | 117.3 | 214 |
| MACMA | Maciejewski | Chelm/PL | PAV35 (0.8/3.8) | 5495 | 4.0 | 1584 | 25 | 172.3 | 1022 |
| | | | PAV36 (0.8/3.8)* | 5668 | 4.0 | 1573 | 28 | 192.9 | 997 |
| | | | PAV43 (0.75/4.5)* | 3132 | 3.1 | 319 | 26 | 165.2 | 501 |
| | | | PAV60 (0.75/4.5) | 2250 | 3.1 | 281 | 28 | 195.3 | 1055 |
| MARGR | Maravelias | Lofoupoli/GR | LOOMECON (0.8/12) | 738 | 6.3 | 2698 | 22 | 164.0 | 345 |
| MARRU | Marques | Lisbon/PT | CAB1 (0.75/6) | 2362 | 4.8 | 1517 | 30 | 261.9 | 987 |
| | | | RAN1 (1.4/4.5) | 4405 | 4.0 | 1241 | 29 | 237.4 | 675 |
| MASMI | Maslov | Novosibirsk/RU | NOWATEC (0.8/3.8) | 5574 | 3.6 | 773 | 26 | 178.2 | 926 |
| MOLSI | Molau | Seysdorf/DE | AVIS2 (1.4/50)* | 1230 | 6.9 | 6152 | 25 | 207.1 | 2391 |
| | | | ESCIMO2 (0.85/25) | 155 | 8.1 | 3415 | 25 | 213.2 | 616 |
| | | | MINCAM1 (0.8/8) | 1477 | 4.9 | 1084 | 24 | 177.9 | 701 |
| | | Ketzür/DE | REMO1 (0.8/8) | 1467 | 6.5 | 5491 | 29 | 208.2 | 1814 |
| | | | REMO2 (0.8/8) | 1478 | 6.4 | 4778 | 29 | 213.6 | 1455 |
| | | | REMO3 (0.8/8) | 1420 | 5.6 | 1967 | 28 | 206.1 | 880 |
| | | | REMO4 (0.8/8) | 1478 | 6.5 | 5358 | 28 | 219.0 | 1446 |
| MORJO | Morvai | Fülöpszallas/HU | HUFUL (1.4/5) | 2522 | 3.5 | 532 | 27 | 213.1 | 395 |
| MOSFA | Moschini | Rovereto/IT | ROVER (1.4/4.5) | 3896 | 4.2 | 1292 | 22 | 23.7 | 142 |
| OTMI | Otte | Pearl City/US | ORIE1 (1.4/5.7) | 3837 | 3.8 | 460 | 23 | 124.4 | 208 |
| PERZS | Perkó | Becsahely/HU | HUBEC (0.8/3.8)* | 5498 | 2.9 | 460 | 20 | 160.9 | 853 |
| ROTEC | Rothenberg | Berlin/DE | ARMEFA (0.8/6) | 2366 | 4.5 | 911 | 13 | 51.0 | 165 |
| SARAN | Saraiva | Carnaxide/PT | RO1 (0.75/6) | 2362 | 3.7 | 381 | 27 | 217.1 | 404 |
| | | | RO2 (0.75/6) | 2381 | 3.8 | 459 | 18 | 169.0 | 420 |
| | | | RO3 (0.8/12) | 710 | 5.2 | 619 | 22 | 194.3 | 650 |
| | | | SOFIA (0.8/12) | 738 | 5.3 | 907 | 29 | 228.4 | 404 |
| SCALE | Scarpa | Alberoni/IT | LEO (1.2/4.5)* | 4152 | 4.5 | 2052 | 13 | 86.7 | 128 |
| SCHHA | Schremmer | Niederkrüchten/DE | DORAEON (0.8/3.8) | 4900 | 3.0 | 409 | 27 | 154.0 | 644 |
| SLAST | Slavec | Ljubljana/SI | KAYAK1 (1.8/28) | 563 | 6.2 | 1294 | 25 | 168.8 | 487 |
| | | | KAYAK2 (0.8/12) | 741 | 5.5 | 920 | 25 | 158.8 | 154 |
| STOEN | Stomeo | Scorze/IT | MIN38 (0.8/3.8) | 5566 | 4.8 | 3270 | 28 | 187.4 | 1117 |
| | | | NOA38 (0.8/3.8) | 5609 | 4.2 | 1911 | 29 | 191.4 | 817 |
| | | | SCO38 (0.8/3.8) | 5598 | 4.8 | 3306 | 29 | 202.1 | 1283 |
| STRJO | Strunk | Herford/DE | MINCAM2 (0.8/6) | 2354 | 5.4 | 2751 | 24 | 155.3 | 922 |
| | | | MINCAM3 (0.8/6) | 2338 | 5.5 | 3590 | 28 | 169.6 | 669 |
| | | | MINCAM4 (1.0/2.6) | 9791 | 2.7 | 552 | 21 | 147.0 | 138 |
| | | | MINCAM5 (0.8/6) | 2349 | 5.0 | 1896 | 26 | 170.4 | 614 |
| | | | MINCAM6 (0.8/6) | 2395 | 5.1 | 2178 | 28 | 171.0 | 565 |
| TEPIS | Tepliczky | Agostyan/HU | HUAGO (0.75/4.5) | 2427 | 4.4 | 1036 | 28 | 222.0 | 388 |
| | | | HUMOB (0.8/6) | 2388 | 4.8 | 1607 | 28 | 212.1 | 722 |
| TRIMI | Triglav | Velenje/SI | SRAKA (0.8/6)* | 2222 | 4.0 | 546 | 23 | 100.3 | 280 |
| WEGWA | Wegrzyk | Nieznaszyn/PL | PAV78 (0.8/6) | 2286 | 4.0 | 778 | 21 | 144.9 | 599 |
| YRJIL | Yrjölä | Kuusankoski/FI | FINEXCAM (0.8/6) | 2337 | 5.5 | 3574 | 20 | 106.6 | 433 |
| Sum | | | | | | | 30 | 14077.5 | 62285 |

* 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 | 6.1 | 4.1 | 6.1 | 3.3 | 6.8 | 7.7 | 7.8 | 8.0 | 8.0 | 8.3 | 8.5 | 8.4 | 8.5 | 8.2 | 8.0 |
| BERER | - | 8.4 | - | - | - | - | 8.6 | 8.2 | 7.0 | 8.1 | 9.4 | 9.3 | 6.1 | - | 3.8 |
| BOMMA | 7.7 | 9.1 | 9.2 | 0.4 | 9.4 | 1.5 | 5.3 | 8.8 | 9.7 | 7.8 | 9.7 | 9.7 | 9.8 | 9.6 | 8.3 |
| BREMA | 8.5 | 2.5 | 0.6 | 2.5 | 8.2 | 8.9 | 8.9 | - | 9.1 | 7.9 | 7.2 | 9.3 | 9.4 | 9.4 | 3.2 |
| BRIBE | 8.2 | 2.6 | 1.7 | 1.6 | 8.8 | 8.9 | 9.0 | 3.6 | 9.2 | 8.4 | 9.2 | 9.3 | 9.3 | 9.1 | 0.9 |
| | 8.4 | 2.3 | 5.0 | - | 8.7 | 8.8 | 8.7 | 3.7 | 8.8 | 7.7 | 8.5 | 9.3 | 9.3 | 8.2 | 0.7 |
| CARMA | 3.6 | 4.4 | 4.4 | - | 9.3 | 7.9 | 4.7 | 7.0 | 8.7 | - | - | - | 9.7 | 5.1 | 7.0 |
| CASFL | 5.7 | 6.8 | 9.2 | - | 9.5 | 9.5 | 5.6 | 7.8 | 9.1 | 3.9 | - | - | 10.0 | 6.5 | 7.2 |
| CRIST | 9.0 | 9.1 | 7.9 | 0.9 | 9.2 | 6.4 | 9.3 | 8.9 | 8.7 | 8.3 | 8.1 | 9.6 | 9.6 | 0.7 | 0.2 |
| | 9.0 | 9.1 | 5.7 | 0.4 | 8.5 | 7.3 | 9.3 | 3.8 | 8.3 | 7.8 | 7.6 | 9.6 | 9.7 | - | 2.2 |
| | 9.0 | 9.1 | 8.6 | 1.7 | 9.2 | 7.8 | 9.3 | 8.9 | 8.9 | 8.9 | 7.9 | 9.6 | 9.6 | 0.4 | 0.9 |
| DONJE | 8.6 | - | 9.4 | 1.6 | 9.6 | 1.9 | 6.3 | 9.2 | 9.7 | 8.4 | 9.8 | 9.9 | 10.0 | 9.8 | 9.1 |
| ELTMA | 3.3 | 8.6 | 7.6 | - | 8.2 | - | 9.5 | 8.7 | 9.3 | 4.1 | 7.5 | 8.7 | 8.7 | 7.1 | - |
| FORKE | 8.4 | 5.6 | 8.2 | - | - | 8.6 | 9.1 | 8.4 | 9.1 | 8.3 | 9.1 | 9.4 | 8.7 | 9.5 | 8.2 |
| GONRU | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 9.4 | 9.4 | 9.5 | 9.5 | 9.6 | 9.5 | 4.5 | 9.7 | 9.5 | 8.1 | 9.6 | 1.9 | 8.5 | 3.4 | 8.5 |
| | 9.5 | 9.6 | 9.6 | 9.6 | 9.7 | 9.7 | 4.4 | 9.8 | 9.9 | 7.8 | 9.6 | 1.5 | 8.5 | 4.4 | 8.4 |
| | 9.1 | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 4.1 | 9.5 | 9.7 | 7.3 | 8.7 | 1.3 | 8.8 | - | 8.4 |
| | 9.5 | 9.5 | 9.5 | 9.4 | 9.7 | 9.7 | 4.0 | 9.8 | 9.3 | 7.1 | 9.6 | 1.5 | 8.0 | 3.8 | 7.8 |
| | 9.1 | 9.3 | 9.3 | 9.4 | 9.4 | 9.4 | 4.3 | 9.5 | 9.8 | 6.6 | 8.4 | 0.8 | 8.2 | 1.1 | 6.7 |
| GOVMI | 8.8 | 8.9 | 8.9 | - | 1.2 | 3.9 | 6.3 | 9.1 | 9.1 | 6.8 | 6.8 | 9.2 | 7.9 | 9.3 | 8.1 |
| | 2.3 | 2.7 | 2.7 | - | 0.5 | 1.1 | 1.9 | 3.4 | 3.4 | 1.6 | 1.9 | 2.8 | 1.2 | 1.5 | 3.0 |
| HERCA | 3.0 | 5.7 | 8.9 | - | - | - | - | - | - | - | 7.8 | 10.4 | 9.9 | 8.9 | 9.5 |
| HINWO | 7.5 | 3.2 | 7.0 | - | - | 5.7 | - | 9.2 | 7.7 | 9.1 | 6.4 | 7.9 | 6.4 | 7.9 | 6.3 |
| IGAAN | 8.6 | - | 8.4 | - | 2.6 | 8.3 | 9.1 | 7.3 | 9.1 | 9.0 | 9.1 | 8.6 | - | 8.0 | - |
| JONKA | 9.0 | 9.0 | 9.0 | 1.8 | 4.0 | 8.1 | 9.1 | 9.4 | 8.9 | 5.0 | 7.3 | 5.3 | 9.3 | 9.2 | 9.8 |
| | 3.7 | 9.0 | 9.1 | 1.4 | 3.8 | 8.7 | 9.3 | 9.4 | 4.9 | 8.2 | 8.6 | 8.1 | 9.2 | 8.4 | 9.8 |
| KACJA | 3.6 | 9.0 | 6.8 | - | - | - | - | 7.6 | 6.8 | - | 9.3 | 5.5 | 8.8 | 4.4 | - |
| | - | 6.5 | 7.8 | - | - | - | - | - | 6.1 | 6.6 | - | - | 6.2 | 5.2 | - |
| | - | 8.9 | 8.3 | - | 6.1 | 2.7 | 7.4 | 4.8 | 9.6 | 5.1 | 6.9 | 8.7 | 10.0 | 7.3 | 1.2 |
| | 3.2 | 9.1 | 7.9 | - | 1.6 | - | - | 7.6 | 6.9 | - | 9.6 | 5.6 | 9.7 | 4.8 | - |
| | 3.6 | 9.0 | 6.5 | - | - | - | - | 7.7 | 7.0 | - | 9.4 | 5.6 | 8.7 | 4.6 | - |
| KOSDE | 7.8 | 6.6 | 9.4 | - | - | - | - | - | 8.9 | 9.6 | 7.6 | 1.7 | 9.4 | - | - |
| | 9.3 | 9.4 | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 9.6 | 9.6 | 9.6 | 9.1 | 8.2 | 7.2 | 6.2 | 3.6 |
| | 8.6 | 7.2 | 9.9 | 9.9 | 8.6 | 9.2 | 8.6 | 8.7 | 9.2 | 9.3 | 8.4 | 2.7 | 9.6 | 9.1 | 9.0 |
| | 9.4 | 9.4 | 9.5 | 9.5 | 9.5 | 9.6 | 9.6 | 9.6 | 9.7 | 9.2 | 8.2 | 7.2 | 6.3 | 4.8 | 4.8 |
| LOPAL | 6.0 | 5.7 | 8.3 | - | - | 7.2 | 9.3 | 8.3 | 7.5 | 8.3 | 9.7 | 4.8 | 8.5 | 8.6 | - |
| LOTJO | 1.3 | 6.6 | - | - | 3.2 | 4.8 | 1.6 | - | 0.8 | 1.6 | 4.4 | - | 7.5 | - | - |
| MACMA | 8.6 | 8.1 | 8.4 | 5.1 | 0.3 | 9.0 | 9.1 | 9.1 | 9.2 | 9.3 | 9.3 | 9.4 | 9.5 | 9.6 | 9.6 |
| | 8.7 | 7.7 | 7.6 | 4.2 | - | 9.0 | 9.1 | 9.1 | 9.2 | 9.3 | 9.4 | 9.4 | 9.5 | 9.6 | 9.7 |
| | 6.5 | 4.4 | 1.8 | 3.0 | - | 8.3 | 9.0 | 9.0 | 9.1 | 9.2 | 9.3 | 9.2 | 9.4 | 9.5 | 9.5 |
| | 8.6 | 8.0 | 7.7 | 4.2 | - | 9.0 | 9.1 | 9.1 | 9.2 | 9.3 | 9.3 | 9.4 | 9.5 | 9.5 | 9.6 |
| MARGR | 9.0 | 8.7 | 9.0 | - | - | - | - | - | - | - | 8.3 | 8.9 | 8.9 | 7.8 | 5.2 |
| MARRU | 8.9 | 9.0 | 9.0 | 9.1 | 9.0 | 9.7 | 7.5 | 9.8 | 9.8 | 10.0 | 9.8 | 0.4 | 9.2 | 7.8 | 9.7 |
| | 9.4 | 9.4 | 9.3 | 9.4 | 4.8 | 9.1 | 2.9 | 7.5 | 4.1 | 6.4 | 9.2 | - | 6.9 | 7.4 | 8.6 |
| MASMI | - | 7.7 | 6.6 | 6.0 | 3.8 | 4.9 | 5.7 | 6.1 | 1.1 | 7.7 | 6.6 | 7.6 | 1.9 | 8.2 | 8.5 |
| MOLSI | 7.3 | 8.3 | 7.9 | 0.6 | - | 5.3 | 8.5 | 8.7 | 8.7 | 8.8 | 8.8 | 8.9 | 8.9 | 9.0 | 5.5 |
| | 8.4 | 8.7 | 7.7 | 0.6 | - | 3.7 | 8.8 | 8.9 | 9.2 | 9.2 | 9.3 | 7.1 | 9.4 | 9.5 | 6.7 |
| | 6.6 | 8.1 | 6.4 | 0.6 | - | - | 7.6 | 8.0 | 8.0 | 7.0 | 6.9 | 6.8 | 8.2 | 7.3 | 1.9 |
| | 6.7 | 2.1 | 5.0 | 3.2 | 6.7 | 8.5 | 8.6 | 8.6 | 8.7 | 8.8 | 8.9 | 9.0 | 9.1 | 9.0 | 9.0 |
| | 6.7 | 2.8 | 5.3 | 3.5 | 6.6 | 8.6 | 8.8 | 8.8 | 8.8 | 9.0 | 9.0 | 9.0 | 9.1 | 9.1 | 8.9 |
| | 7.0 | 2.6 | 5.1 | 3.3 | 6.6 | 7.8 | 8.9 | 5.4 | 8.5 | 9.2 | 9.2 | 9.3 | 9.3 | 9.4 | 9.4 |
| | 6.9 | 2.2 | 5.3 | 3.4 | 6.0 | 8.9 | 9.0 | 9.0 | 9.0 | 9.2 | 9.2 | 9.3 | 9.4 | 9.5 | 9.4 |
| MORJO | 9.0 | 9.0 | 9.0 | 3.3 | 7.0 | 7.2 | 9.2 | 9.4 | 9.4 | - | 7.7 | 9.6 | 8.5 | 9.2 | 9.3 |
| MOSFA | 0.5 | 0.2 | 0.2 | - | 1.8 | 2.6 | 0.7 | 1.2 | 1.9 | 1.1 | 0.6 | 1.2 | 1.1 | 0.8 | 1.1 |
| OTTMI | 9.0 | 2.8 | 9.5 | 5.8 | 3.4 | - | 2.4 | 0.4 | 6.5 | - | 9.9 | 5.1 | - | 8.2 | 4.9 |
| PERZS | - | - | 6.9 | - | 6.1 | 0.5 | 7.9 | 9.4 | - | 7.3 | 7.3 | 9.6 | 7.3 | 7.1 | 6.7 |
| ROTEC | 1.3 | 1.6 | 2.2 | - | 2.1 | - | - | - | - | - | - | 8.9 | 0.6 | 9.1 | 0.7 |
| SARAN | 8.3 | 9.6 | 9.8 | 8.4 | 9.7 | 9.1 | 3.7 | 7.7 | 5.4 | 9.3 | 9.9 | - | - | 4.9 | 5.3 |
| | 8.4 | 9.4 | 9.7 | 9.7 | 9.7 | - | - | - | - | - | - | - | - | - | 8.6 |
| | 8.3 | 9.2 | 9.4 | 9.7 | 9.6 | - | - | - | - | - | - | - | 1.1 | - | 8.8 |
| | 8.3 | 9.1 | 9.1 | 7.2 | 3.0 | 7.6 | 3.8 | 7.4 | 4.6 | 6.3 | 4.1 | - | 6.9 | 4.9 | 7.0 |
| SCALE | 2.2 | 7.3 | 4.9 | - | 7.5 | 5.5 | 8.4 | 6.4 | - | - | - | - | - | - | - |
| SCHHA | 8.6 | 2.7 | 2.1 | 2.0 | 8.7 | 5.5 | 7.2 | 4.6 | 8.3 | 7.4 | 8.6 | 9.2 | 7.3 | 8.8 | 1.5 |
| SLAST | 1.9 | 8.7 | 8.3 | - | 4.9 | 2.4 | 7.4 | 9.1 | 9.1 | 5.9 | 8.9 | 7.8 | 9.2 | 3.8 | 4.3 |
| | 1.5 | 2.2 | 3.3 | - | 5.2 | 3.1 | 8.1 | 8.7 | 4.5 | 7.6 | 8.3 | 8.4 | 8.7 | 8.3 | 4.9 |
| STOEN | 2.4 | 7.9 | 6.8 | - | 7.8 | 8.2 | 9.6 | 9.3 | 9.3 | 3.1 | 9.6 | 9.8 | 9.8 | 8.2 | 6.1 |
| | 2.1 | 7.0 | 7.0 | - | 7.6 | 8.8 | 9.5 | 8.9 | 9.1 | 3.5 | 9.7 | 9.8 | 9.8 | 8.3 | 6.8 |
| | 3.8 | 7.0 | 9.4 | - | 7.1 | 8.7 | 9.6 | 9.4 | 8.8 | 5.0 | 9.6 | 9.8 | 10.0 | 9.2 | 7.2 |
| STRJO | 8.4 | - | - | 1.8 | 8.6 | 8.9 | 9.0 | 6.4 | 8.5 | 6.0 | 9.2 | 8.8 | - | 9.4 | 1.8 |
| | 6.4 | 1.5 | 2.3 | 1.0 | 8.7 | 8.7 | 8.8 | 6.4 | 8.9 | 6.3 | 9.0 | 9.1 | 9.3 | 9.2 | 2.9 |
| | 7.1 | 0.5 | 2.2 | 0.8 | 8.8 | 8.9 | 9.0 | 6.0 | 9.1 | 8.7 | 9.3 | - | 9.3 | 9.4 | - |
| | 4.5 | 1.4 | 3.1 | 1.3 | 8.8 | 8.7 | 8.8 | 6.4 | 8.9 | 7.6 | 9.0 | 9.3 | 9.2 | 9.4 | 3.6 |
| | 7.9 | 1.0 | 1.7 | 1.2 | 8.7 | 8.7 | 8.9 | 6.2 | 9.1 | 5.0 | 9.2 | 9.3 | 9.3 | 9.3 | 4.0 |
| TEPIS | 8.8 | 8.7 | 7.6 | - | 3.9 | 7.6 | 9.1 | 9.2 | 9.2 | 8.0 | 9.4 | 9.4 | 8.4 | 9.5 | 9.6 |
| | 8.8 | 8.8 | 5.8 | - | 4.7 | 5.7 | 9.1 | 4.9 | 9.2 | 9.2 | 9.4 | 9.4 | 7.7 | 9.5 | 8.9 |
| TRIMI | 2.8 | 9.1 | 6.3 | - | - | 3.8 | 4.3 | 7.3 | 6.4 | 2.6 | 3.1 | 4.4 | 5.0 | - | 2.7 |
| WEGWA | - | - | - | - | - | 6.0 | 9.0 | 9.1 | 8.2 | 7.8 | 7.5 | 7.5 | 8.2 | 9.5 | 8.7 |
| YRJIL | 1.2 | 6.9 | - | 1.2 | 6.9 | - | 4.3 | 5.9 | 1.6 | 3.1 | 1.7 | 7.9 | 8.3 | 6.8 | 8.1 |
| Sum | 478.6 | 484.2 | 507.4 | 201.4 | 408.0 | 449.7 | 494.8 | 531.8 | 565.5 | 477.5 | 583.4 | 500.4 | 590.3 | 511.0 | 419.3 |

| September | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ARLRA | - | 6.9 | - | 5.2 | - | 7.0 | 6.2 | 7.6 | 8.5 | 8.9 | 8.1 | 8.5 | 8.5 | 4.1 | 7.3 |
| BERER | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BOMMA | 3.3 | 0.7 | 2.6 | 8.6 | - | - | - | 7.7 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.0 | 9.4 |
| BREMA | 4.3 | 1.3 | 0.5 | 7.1 | - | 10.0 | 8.4 | 8.4 | 10.2 | 6.3 | 7.0 | 2.7 | - | 2.5 | 2.3 |
| BRIBE | - | - | 0.2 | - | - | 4.1 | 7.3 | 9.2 | 10.2 | 2.8 | 6.7 | 6.4 | 4.5 | 0.2 | 2.3 |
| | 2.3 | - | - | - | 0.2 | 9.8 | 6.8 | 10.0 | 10.1 | 2.3 | 0.5 | 6.9 | 8.8 | - | 1.6 |
| CARMA | - | 0.2 | 1.9 | 7.3 | 0.3 | - | 9.6 | 6.3 | 10.3 | 10.4 | 0.7 | 9.1 | 9.7 | 10.5 | 8.4 |
| CASFL | - | 0.6 | 1.9 | 7.3 | 2.0 | - | 10.4 | 8.2 | 10.6 | 10.7 | 3.1 | 10.0 | 10.8 | 10.7 | 9.4 |
| CRIST | 3.9 | 1.8 | 8.2 | 9.7 | 7.5 | 5.0 | 8.2 | 9.3 | 10.2 | 10.3 | 8.2 | 10.4 | 10.4 | 4.8 | 4.5 |
| | 4.0 | 2.2 | 8.2 | 9.7 | 5.5 | 6.7 | 6.2 | 8.9 | 9.7 | 10.3 | 3.1 | 10.2 | 10.0 | 0.3 | 0.8 |
| | 3.3 | 2.6 | 8.4 | 9.9 | 8.3 | 7.9 | 8.7 | 9.0 | 10.2 | 10.3 | 9.0 | 10.4 | 10.3 | 4.8 | 5.2 |
| DONJE | 4.2 | 1.6 | 3.8 | 9.9 | - | - | - | 9.2 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.8 | 10.8 |
| ELTMA | - | - | - | 4.7 | 1.8 | 3.2 | 6.9 | 8.6 | 10.6 | 10.4 | 6.3 | 8.6 | 9.9 | 7.7 | 6.3 |
| FORKE | - | - | - | - | 7.7 | 5.3 | 4.8 | 9.4 | 9.8 | 8.7 | 1.4 | 9.7 | 8.1 | 8.1 | 3.0 |
| GONRU | 10.0 | 7.0 | 6.9 | - | 0.5 | 7.7 | 8.1 | 4.6 | 3.1 | 10.0 | 7.9 | 10.2 | 10.6 | 10.6 | 5.6 |
| | 9.9 | 8.7 | 10.0 | 7.1 | 8.1 | 10.1 | 10.2 | 10.4 | 6.3 | 10.3 | 10.0 | 10.5 | 10.5 | 10.6 | 5.8 |
| | 10.2 | 10.1 | 10.2 | 7.2 | 8.2 | 10.2 | 10.3 | 10.3 | 6.2 | 10.6 | 10.1 | 10.7 | 10.7 | 10.8 | 5.6 |
| | 9.9 | 8.9 | 10.1 | 6.6 | 5.3 | 10.1 | 10.4 | 10.3 | 4.3 | 4.1 | 10.4 | 10.4 | 10.5 | 10.5 | 5.4 |
| | 10.1 | 8.4 | 10.1 | 7.3 | 8.9 | 10.2 | 10.3 | 10.3 | 5.9 | 9.2 | 10.1 | 10.7 | 10.7 | 10.8 | 5.4 |
| | 8.9 | 6.2 | 10.0 | 4.0 | 5.5 | 10.0 | 10.2 | 10.2 | 4.6 | 6.1 | 10.3 | 10.5 | 10.4 | 10.5 | 4.6 |
| GOVMI | - | 4.2 | 0.7 | 3.3 | 5.7 | 7.7 | 10.1 | 9.1 | 10.2 | 10.2 | 7.0 | 9.7 | 7.0 | 10.4 | 10.4 |
| | 0.5 | 1.1 | 0.2 | 0.3 | 1.3 | 6.8 | 9.9 | 8.3 | 4.8 | 10.0 | 5.5 | - | 3.9 | 10.3 | 5.1 |
| HERCA | 10.3 | 10.6 | 10.6 | 10.5 | - | 5.2 | 10.4 | 9.0 | 9.5 | 10.2 | 5.0 | 6.2 | 6.3 | 1.1 | 10.4 |
| HINWO | - | - | - | - | - | 7.1 | 3.5 | 10.2 | 7.8 | 9.9 | 4.3 | 10.5 | 10.2 | 9.3 | 1.6 |
| IGAAN | - | - | - | - | - | 2.8 | 8.8 | 8.7 | 8.9 | 6.2 | - | - | 7.1 | 10.1 | 8.4 |
| JONKA | 4.5 | 8.5 | 0.6 | - | 4.0 | 1.3 | 10.2 | 2.8 | 4.8 | 6.5 | 5.4 | 10.5 | 8.6 | 10.2 | 8.5 |
| | 4.0 | 7.8 | 1.9 | - | 4.0 | 2.4 | 10.2 | 7.9 | 9.4 | 7.2 | 7.4 | 10.5 | 9.4 | 10.6 | 9.1 |
| KACJA | - | - | - | 1.6 | - | 6.1 | 5.3 | 5.5 | 7.8 | 9.7 | 3.0 | 7.1 | 9.1 | 7.5 | 7.5 |
| | - | - | - | - | - | 9.1 | - | 8.7 | 8.5 | 8.2 | - | - | - | 10.3 | 9.8 |
| | - | - | - | 3.5 | - | 9.5 | 6.7 | 6.6 | 9.5 | 6.2 | 7.4 | 7.8 | 10.5 | 9.2 | 6.8 |
| | - | - | - | 1.4 | - | 8.9 | 7.1 | 7.2 | 10.4 | 10.3 | 4.1 | 8.8 | 10.5 | 10.2 | 7.1 |
| | - | - | - | 0.9 | - | 8.6 | 5.2 | 6.4 | 10.0 | 9.6 | 3.5 | 8.0 | 7.7 | 7.2 | 7.6 |
| KOSDE | - | 8.4 | 3.2 | - | - | 10.0 | 9.9 | 10.0 | 10.0 | 10.1 | 7.3 | 10.1 | 9.6 | 10.2 | 10.2 |
| | 3.0 | 3.1 | 4.5 | 4.5 | 4.5 | 5.7 | 6.0 | 7.0 | 8.0 | 9.0 | 10.1 | 10.1 | - | 10.2 | 10.2 |
| | 10.0 | 9.4 | 7.3 | 8.5 | - | 10.3 | 10.2 | 10.0 | 10.2 | 9.9 | 8.0 | 10.0 | 10.0 | 9.7 | 9.8 |
| | 9.8 | 9.9 | 9.9 | 9.9 | - | 10.0 | 10.0 | 10.0 | 10.1 | 10.1 | 10.1 | 10.1 | - | 10.2 | 10.2 |
| LOPAL | 1.5 | - | - | - | - | - | - | 0.8 | 9.2 | 10.4 | - | 10.2 | - | 7.3 | 2.0 |
| LOTJO | - | - | - | - | - | 1.9 | 10.5 | 10.6 | 4.9 | 8.0 | 10.7 | 10.6 | 10.8 | 10.8 | 6.7 |
| MACMA | 7.4 | - | - | 6.0 | 3.5 | 5.0 | 1.9 | 2.3 | 1.5 | - | - | 5.0 | - | 10.2 | 5.9 |
| | 9.0 | 0.3 | 1.8 | 6.5 | 4.1 | 5.0 | 0.7 | 1.9 | 9.0 | 6.3 | - | 10.0 | 0.6 | 9.9 | 6.3 |
| | 8.8 | - | 1.3 | 5.2 | 4.1 | 4.7 | 0.7 | 0.9 | 1.6 | 6.2 | - | 10.0 | - | 8.9 | 5.6 |
| | 9.3 | 0.7 | 1.8 | 7.0 | 4.3 | 4.8 | 1.0 | 2.1 | 8.9 | 7.0 | 0.3 | 9.9 | - | 10.0 | 6.7 |
| MARGR | 4.2 | 5.9 | 6.0 | 1.8 | 8.8 | 9.0 | 3.6 | 9.0 | 6.2 | 9.0 | 8.4 | 8.9 | 8.7 | 8.7 | - |
| MARRU | 10.0 | 9.0 | 10.2 | 3.9 | 9.5 | 10.3 | 10.2 | 10.3 | 5.1 | 6.9 | 10.4 | 10.3 | 10.3 | 10.4 | 6.4 |
| | 8.2 | 8.9 | 8.6 | 10.2 | 10.2 | 9.7 | 10.4 | 10.4 | 3.0 | 7.5 | 10.3 | 10.7 | 10.7 | 10.6 | 3.6 |
| MASMI | 7.6 | 8.3 | 6.3 | 7.9 | 5.4 | - | - | 8.8 | 8.0 | 9.7 | - | 9.8 | 9.1 | 8.4 | 6.5 |
| MOLSI | - | - | - | - | 6.2 | 9.4 | 9.3 | 9.6 | 9.6 | 9.7 | 8.8 | 9.8 | 9.7 | 9.9 | 9.9 |
| | - | - | - | - | 6.5 | 9.8 | 10.0 | 10.0 | 10.1 | 10.2 | 9.7 | 10.3 | 10.0 | 9.3 | 10.1 |
| | - | - | - | - | 1.4 | 7.3 | 9.1 | 9.8 | 9.8 | 9.8 | 9.3 | 9.1 | 9.7 | 10.1 | 9.1 |
| | 0.2 | 6.2 | - | 9.1 | 2.2 | 5.5 | 8.0 | 9.4 | 9.7 | 9.9 | 7.2 | 9.7 | 8.1 | 3.1 | 8.0 |
| | 0.4 | 7.2 | - | 9.3 | 1.3 | 5.7 | 8.3 | 9.3 | 10.0 | 10.0 | 7.9 | 9.9 | 8.9 | 3.3 | 8.1 |
| | - | 7.5 | - | 9.6 | 2.7 | 5.5 | 8.3 | 9.9 | 7.3 | 10.2 | 6.3 | 8.7 | 8.6 | 3.0 | 7.5 |
| | - | 8.0 | - | 9.6 | 2.6 | 6.8 | 9.0 | 9.8 | 10.2 | 10.2 | 7.4 | 10.2 | 8.3 | 2.9 | 8.3 |
| MORJO | 5.0 | 7.5 | 0.2 | - | 2.2 | 3.3 | 10.2 | 10.2 | 10.4 | 7.0 | 10.5 | 10.4 | 8.7 | 10.7 | - |
| MOSFA | - | - | 0.2 | 1.6 | 0.2 | - | 2.4 | - | - | 2.0 | - | 0.6 | 1.0 | - | 0.7 |
| OTTMI | 1.6 | 10.2 | 10.2 | 0.4 | 7.3 | - | - | 0.5 | 1.0 | 1.2 | 10.6 | - | 8.1 | 5.4 | - |
| PERZS | - | - | - | - | 9.2 | 8.0 | 9.2 | 7.4 | 10.1 | 9.6 | - | - | 10.5 | 10.6 | 10.2 |
| ROTEC | - | - | - | 0.7 | - | - | - | - | - | - | - | 7.4 | 3.3 | 4.3 | 8.8 |
| SARAN | 6.4 | 7.4 | - | 7.6 | 4.1 | 9.1 | 10.3 | 10.6 | 5.9 | 7.8 | 10.6 | 10.7 | 7.6 | 10.8 | 7.1 |
| | 10.2 | 10.3 | 10.2 | 10.4 | 9.9 | 10.0 | - | - | 4.9 | - | 10.1 | 10.6 | 10.2 | 10.2 | 6.5 |
| | 10.1 | 9.5 | 8.5 | 9.6 | 9.4 | 10.2 | 9.9 | 9.8 | 6.5 | 7.4 | 9.8 | 10.4 | 10.2 | 9.8 | 7.1 |
| | 8.8 | 9.0 | 8.8 | 9.7 | 10.3 | 9.8 | 10.4 | 10.4 | 5.7 | 6.8 | 10.6 | 10.7 | 10.7 | 10.9 | 6.5 |
| SCALE | - | - | - | - | - | - | - | - | - | 10.4 | 3.6 | 7.7 | 10.5 | 7.0 | 5.3 |
| SCHHA | 4.7 | - | 0.9 | 3.2 | 0.6 | 5.2 | 3.3 | 9.6 | 8.5 | 5.0 | 6.3 | 7.3 | 6.9 | - | - |
| SLAST | - | - | - | 4.0 | - | 8.6 | 5.0 | 5.4 | 9.1 | 9.4 | 6.6 | 9.4 | 8.4 | 8.7 | 2.5 |
| | - | 1.8 | - | 4.4 | - | 8.0 | 7.0 | 5.3 | 8.8 | 8.8 | 6.9 | 8.8 | 8.1 | 8.1 | - |
| STOEN | 1.5 | 0.3 | 2.5 | 5.0 | 0.2 | 1.4 | 10.3 | 7.4 | 9.8 | 9.2 | 5.7 | - | 10.6 | 7.3 | 8.3 |
| | 0.7 | 0.7 | 3.3 | 5.7 | 0.2 | 1.4 | 10.4 | 5.8 | 9.7 | 9.0 | 5.9 | 4.9 | 10.6 | 6.8 | 8.4 |
| | 0.9 | 0.9 | 4.1 | 6.9 | 0.2 | 2.2 | 10.4 | 6.4 | 10.3 | 9.2 | 5.4 | 4.8 | 10.7 | 7.2 | 7.9 |
| STRJO | 1.7 | 0.9 | 2.1 | - | 4.0 | 10.0 | - | 9.4 | 9.1 | 5.3 | 10.3 | 9.6 | 1.6 | - | 4.5 |
| | 1.9 | 1.3 | 4.9 | - | 2.7 | 9.2 | 3.1 | 9.9 | 10.1 | 4.0 | 9.6 | 9.6 | 1.2 | - | 3.6 |
| | 3.2 | - | 4.5 | - | - | 9.9 | 4.5 | 10.0 | 10.1 | 5.4 | 10.3 | - | - | - | - |
| | 1.5 | - | 3.3 | - | 3.5 | 9.8 | 3.5 | 9.7 | 10.1 | 5.3 | 10.2 | 9.6 | - | - | 3.9 |
| | 2.5 | 2.0 | 2.4 | - | 2.9 | 9.8 | 3.4 | 9.9 | 10.2 | 3.1 | 10.3 | 9.3 | 1.6 | - | 4.1 |
| TEPIS | 4.5 | 3.4 | 6.7 | - | 3.9 | 4.2 | 10.0 | 10.1 | 10.1 | 8.1 | 9.5 | 10.3 | 3.4 | 10.4 | 9.0 |
| | 4.0 | - | 5.1 | 0.2 | 4.4 | 3.1 | 8.9 | 9.6 | 10.1 | 8.6 | 9.7 | 10.3 | 6.1 | 10.4 | 10.5 |
| TRIMI | - | - | - | 3.5 | - | 4.3 | 2.5 | 3.5 | 5.0 | 6.6 | 2.2 | 5.6 | 5.8 | 1.6 | 1.9 |
| WEGWA | 4.6 | - | - | 4.4 | 3.5 | 5.5 | 10.0 | - | 3.6 | 9.5 | 0.9 | 9.7 | - | 8.0 | 3.7 |
| YRJIL | - | - | 8.4 | 8.9 | 9.0 | 0.4 | 3.3 | - | - | - | 3.1 | - | - | - | 9.6 |
| Sum | 266.8 | 257.4 | 254.2 | 328.3 | 249.8 | 472.6 | 515.5 | 581.1 | 605.1 | 605.9 | 497.8 | 637.5 | 555.0 | 570.0 | 477.2 |

3. Results (Meteors)

| September | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| ARLRA | 39 | 13 | 38 | 15 | 51 | 70 | 79 | 72 | 44 | 50 | 57 | 70 | 62 | 77 | 46 |
| BERER | - | 33 | - | - | - | - | 48 | 40 | 26 | 37 | 28 | 58 | 16 | - | 27 |
| BOMMA | 32 | 43 | 30 | 2 | 51 | 7 | 13 | 53 | 46 | 32 | 33 | 48 | 36 | 33 | 46 |
| BREMA | 26 | 9 | 1 | 3 | 24 | 38 | 36 | - | 34 | 19 | 34 | 23 | 26 | 24 | 3 |
| BRIBE | 22 | 10 | 4 | 4 | 45 | 47 | 56 | 6 | 42 | 17 | 46 | 42 | 32 | 29 | 2 |
| | 23 | 3 | 6 | - | 42 | 58 | 51 | 5 | 30 | 11 | 40 | 46 | 26 | 30 | 3 |
| CARMA | 9 | 6 | 6 | - | 32 | 43 | 12 | 20 | 25 | - | - | - | 19 | 9 | 20 |
| CASFL | 20 | 11 | 19 | - | 47 | 52 | 30 | 32 | 40 | 3 | - | - | 31 | 14 | 26 |
| CRIST | 45 | 39 | 29 | 2 | 47 | 46 | 44 | 28 | 28 | 28 | 30 | 44 | 50 | 2 | 1 |
| | 30 | 45 | 11 | 1 | 35 | 40 | 21 | 15 | 25 | 19 | 23 | 24 | 31 | - | 6 |
| | 90 | 74 | 54 | 6 | 85 | 77 | 69 | 58 | 54 | 38 | 44 | 72 | 72 | 1 | 3 |
| DONJE | 53 | - | 51 | 1 | 78 | 7 | 19 | 60 | 69 | 31 | 35 | 64 | 64 | 43 | 58 |
| ELTMA | 8 | 19 | 16 | - | 30 | - | 34 | 47 | 39 | 16 | 17 | 25 | 29 | 17 | - |
| FORKE | 32 | 14 | 38 | - | - | 56 | 53 | 52 | 50 | 32 | 41 | 54 | 37 | 42 | 26 |
| GONRU | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 50 | 44 | 50 | 33 | 38 | 53 | 39 | 60 | 56 | 46 | 40 | 2 | 49 | 9 | 47 |
| | 29 | 37 | 26 | 29 | 20 | 39 | 25 | 57 | 37 | 36 | 42 | 2 | 43 | 14 | 36 |
| | 17 | 13 | 10 | 11 | 10 | 16 | 16 | 17 | 13 | 24 | 10 | 1 | 18 | - | 13 |
| | 21 | 25 | 27 | 18 | 26 | 38 | 22 | 48 | 38 | 32 | 50 | 2 | 32 | 16 | 21 |
| | 33 | 30 | 30 | 25 | 25 | 31 | 31 | 48 | 50 | 54 | 35 | 2 | 42 | 5 | 26 |
| GOVMI | 33 | 39 | 28 | - | 5 | 12 | 20 | 35 | 46 | 21 | 20 | 30 | 20 | 24 | 27 |
| | 16 | 22 | 19 | - | 3 | 7 | 13 | 22 | 24 | 10 | 15 | 19 | 8 | 10 | 20 |
| HERCA | 5 | 20 | 28 | - | - | - | - | - | - | - | 25 | 28 | 13 | 22 | 22 |
| HINWO | 26 | 10 | 33 | - | - | 44 | - | 40 | 29 | 36 | 33 | 33 | 32 | 32 | 22 |
| IGAAN | 9 | - | 6 | - | 2 | 7 | 8 | 8 | 6 | 6 | 10 | 4 | - | 5 | - |
| JONKA | 23 | 17 | 17 | 1 | 5 | 13 | 18 | 16 | 26 | 10 | 10 | 10 | 11 | 15 | 11 |
| | 9 | 24 | 15 | 3 | 4 | 16 | 23 | 24 | 12 | 20 | 12 | 18 | 7 | 19 | 13 |
| KACJA | 21 | 55 | 21 | - | - | - | - | 60 | 71 | - | 52 | 37 | 55 | 20 | - |
| | - | 17 | 11 | - | - | - | - | - | 16 | 11 | - | - | 16 | 12 | - |
| | - | 28 | 16 | - | 18 | 18 | 41 | 20 | 47 | 14 | 30 | 47 | 45 | 20 | 1 |
| | 22 | 70 | 35 | - | 8 | - | - | 92 | 72 | - | 54 | 70 | 78 | 29 | - |
| | 9 | 43 | 16 | - | - | - | - | 46 | 36 | - | 29 | 35 | 26 | 10 | - |
| KOSDE | 61 | 45 | 83 | - | - | - | - | - | 85 | 87 | 68 | 23 | 99 | - | - |
| | 109 | 102 | 103 | 108 | 103 | 101 | 94 | 106 | 108 | 112 | 109 | 72 | 96 | 86 | 63 |
| | 92 | 78 | 114 | 116 | 136 | 153 | 113 | 138 | 86 | 151 | 90 | 46 | 106 | 66 | 46 |
| | 116 | 120 | 127 | 121 | 128 | 127 | 130 | 113 | 145 | 126 | 106 | 97 | 95 | 79 | 58 |
| LOPAL | 35 | 23 | 18 | - | - | 39 | 49 | 39 | 37 | 19 | 42 | 25 | 47 | 48 | - |
| LOTJO | 4 | 2 | - | - | 7 | 4 | 3 | - | 2 | 1 | 15 | - | 4 | - | - |
| MACMA | 73 | 41 | 23 | 19 | 1 | 60 | 72 | 51 | 57 | 64 | 56 | 43 | 77 | 53 | 76 |
| | 57 | 27 | 17 | 16 | - | 58 | 56 | 47 | 61 | 54 | 50 | 41 | 59 | 50 | 54 |
| | 32 | 18 | 6 | 7 | - | 25 | 29 | 19 | 29 | 31 | 27 | 21 | 39 | 29 | 32 |
| | 52 | 37 | 17 | 20 | - | 52 | 38 | 52 | 60 | 47 | 66 | 60 | 67 | 65 | 56 |
| MARGR | 25 | 18 | 23 | - | - | - | - | - | - | - | 16 | 10 | 19 | 7 | 8 |
| MARRU | 34 | 35 | 19 | 24 | 27 | 35 | 39 | 50 | 44 | 48 | 44 | 2 | 33 | 18 | 29 |
| | 26 | 21 | 19 | 19 | 16 | 23 | 7 | 8 | 7 | 12 | 40 | - | 28 | 19 | 19 |
| MASMI | - | 45 | 41 | 63 | 30 | 32 | 34 | 42 | 2 | 30 | 36 | 40 | 5 | 38 | 40 |
| MOLSI | 95 | 61 | 119 | 8 | - | 93 | 83 | 128 | 134 | 115 | 102 | 116 | 114 | 94 | 18 |
| | 25 | 18 | 20 | 3 | - | 21 | 22 | 20 | 38 | 39 | 29 | 26 | 23 | 25 | 2 |
| | 33 | 26 | 30 | 2 | - | - | 31 | 48 | 53 | 17 | 25 | 19 | 39 | 32 | 9 |
| | 65 | 3 | 30 | 28 | 65 | 120 | 107 | 96 | 49 | 73 | 100 | 83 | 89 | 113 | 73 |
| | 51 | 4 | 19 | 22 | 48 | 96 | 87 | 83 | 55 | 79 | 63 | 87 | 65 | 67 | 65 |
| | 33 | 4 | 14 | 23 | 36 | 40 | 60 | 27 | 37 | 47 | 51 | 43 | 49 | 56 | 57 |
| | 63 | 3 | 22 | 22 | 49 | 112 | 93 | 63 | 47 | 93 | 67 | 72 | 76 | 88 | 53 |
| MORJO | 19 | 17 | 14 | 1 | 15 | 7 | 27 | 19 | 31 | - | 13 | 15 | 10 | 16 | 18 |
| MOSFA | 3 | 1 | 1 | - | 13 | 14 | 5 | 7 | 9 | 6 | 5 | 7 | 8 | 5 | 7 |
| OTTMI | 14 | 7 | 19 | 11 | 4 | - | 8 | 2 | 21 | - | 11 | 4 | - | 12 | 3 |
| PERZS | - | - | 51 | - | 25 | 2 | 56 | 60 | - | 40 | 36 | 62 | 24 | 45 | 39 |
| ROTEC | 4 | 5 | 14 | - | 21 | - | - | - | - | - | - | 33 | 4 | 26 | 3 |
| SARAN | 14 | 10 | 13 | 6 | 14 | 14 | 15 | 17 | 9 | 21 | 19 | - | - | 6 | 8 |
| | 21 | 20 | 15 | 14 | 16 | - | - | - | - | - | - | - | - | - | 24 |
| | 22 | 20 | 12 | 17 | 10 | - | - | - | - | - | - | - | 2 | - | 43 |
| | 12 | 6 | 9 | 11 | 9 | 10 | 8 | 5 | 10 | 12 | 10 | - | 13 | 8 | 13 |
| SCALE | 7 | 7 | 3 | - | 18 | 14 | 12 | 13 | - | - | - | - | - | - | - |
| SCHHA | 37 | 12 | 3 | 7 | 43 | 23 | 32 | 13 | 53 | 22 | 43 | 40 | 29 | 25 | 7 |
| SLAST | 3 | 26 | 20 | - | 8 | 11 | 18 | 32 | 31 | 15 | 29 | 19 | 14 | 4 | 4 |
| | 2 | 3 | 4 | - | 4 | 7 | 6 | 12 | 5 | 4 | 9 | 10 | 7 | 4 | 2 |
| STOEN | 23 | 30 | 33 | - | 78 | 77 | 66 | 73 | 57 | 22 | 35 | 57 | 44 | 21 | 48 |
| | 21 | 13 | 27 | - | 69 | 68 | 39 | 39 | 46 | 17 | 27 | 40 | 38 | 19 | 31 |
| | 43 | 19 | 42 | - | 84 | 93 | 53 | 71 | 55 | 28 | 45 | 53 | 57 | 40 | 54 |
| STRJO | 23 | - | - | 4 | 75 | 81 | 80 | 20 | 64 | 7 | 67 | 71 | - | 40 | 2 |
| | 24 | 3 | 6 | 3 | 30 | 49 | 33 | 17 | 36 | 19 | 52 | 33 | 33 | 37 | 4 |
| | 7 | 2 | 1 | 1 | 17 | 12 | 10 | 1 | 10 | 3 | 14 | - | 4 | 5 | - |
| | 10 | 2 | 3 | 6 | 27 | 36 | 27 | 6 | 35 | 13 | 41 | 32 | 58 | 25 | 3 |
| | 16 | 4 | 3 | 2 | 39 | 36 | 48 | 13 | 35 | 4 | 36 | 32 | 30 | 19 | 7 |
| TEPIS | 22 | 15 | 6 | - | 1 | 9 | 27 | 24 | 19 | 4 | 16 | 21 | 10 | 20 | 18 |
| | 42 | 21 | 14 | - | 9 | 15 | 44 | 14 | 28 | 25 | 29 | 36 | 22 | 32 | 36 |
| TRIMI | 13 | 16 | 6 | - | - | 5 | 15 | 19 | 23 | 5 | 7 | 11 | 13 | - | 10 |
| WEGWA | - | - | - | - | - | 19 | 39 | 42 | 33 | 32 | 32 | 28 | 32 | 53 | 32 |
| YRJIL | 2 | 35 | - | 3 | 33 | - | 22 | 27 | 8 | 11 | 7 | 33 | 29 | 22 | 29 |
| Sum | 2237 | 1838 | 1874 | 861 | 2039 | 2628 | 2658 | 2757 | 2885 | 2208 | 2680 | 2473 | 2736 | 2100 | 1729 |

| September | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|-----------|-----|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|
| ARLRA | - | 29 | - | 23 | - | 51 | 13 | 41 | 46 | 85 | 63 | 71 | 52 | 14 | 44 |
| BERER | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| BOMMA | 25 | 3 | 9 | 69 | - | - | - | 52 | 57 | 59 | 60 | 60 | 68 | 50 | 63 |
| BREMA | 14 | 2 | 1 | 25 | - | 25 | 26 | 28 | 42 | 23 | 13 | 4 | - | 2 | 4 |
| BRIBE | - | - | 1 | - | - | 25 | 25 | 31 | 61 | 8 | 23 | 22 | 13 | 1 | 8 |
| | 4 | - | - | - | 1 | 29 | 16 | 30 | 58 | 6 | 4 | 27 | 33 | - | 4 |
| CARMA | - | 1 | 9 | 21 | 2 | - | 15 | 13 | 33 | 34 | 2 | 32 | 28 | 16 | 16 |
| CASFL | - | 2 | 4 | 28 | 1 | - | 42 | 14 | 35 | 45 | 5 | 36 | 49 | 32 | 27 |
| CRIST | 20 | 6 | 27 | 30 | 29 | 15 | 33 | 44 | 45 | 40 | 29 | 63 | 48 | 13 | 9 |
| | 20 | 15 | 29 | 35 | 28 | 27 | 11 | 26 | 34 | 27 | 13 | 22 | 31 | 2 | 3 |
| | 38 | 14 | 43 | 51 | 47 | 26 | 46 | 55 | 86 | 79 | 37 | 84 | 90 | 18 | 19 |
| DONJE | 22 | 4 | 6 | 85 | - | - | - | 65 | 73 | 67 | 75 | 73 | 82 | 57 | 72 |
| ELTMA | - | - | - | 19 | 6 | 16 | 42 | 26 | 33 | 42 | 22 | 25 | 34 | 17 | 30 |
| FORKE | - | - | - | - | 16 | 12 | 7 | 57 | 46 | 41 | 2 | 44 | 18 | 19 | 4 |
| GONRU | 11 | 12 | 5 | - | 1 | 8 | 6 | 2 | 3 | 5 | 7 | 11 | 13 | 17 | 8 |
| | 37 | 31 | 42 | 23 | 30 | 36 | 56 | 63 | 23 | 30 | 74 | 69 | 64 | 57 | 33 |
| | 31 | 26 | 31 | 19 | 20 | 37 | 45 | 52 | 18 | 14 | 35 | 60 | 57 | 41 | 17 |
| | 20 | 13 | 15 | 7 | 4 | 18 | 18 | 17 | 8 | 3 | 24 | 28 | 24 | 18 | 10 |
| | 24 | 39 | 42 | 17 | 27 | 51 | 47 | 35 | 10 | 13 | 47 | 49 | 32 | 49 | 11 |
| | 29 | 31 | 40 | 3 | 9 | 37 | 50 | 49 | 16 | 12 | 47 | 60 | 57 | 52 | 17 |
| GOVMI | - | 14 | 3 | 10 | 31 | 22 | 38 | 14 | 46 | 28 | 16 | 28 | 21 | 38 | 40 |
| | 3 | 6 | 1 | 2 | 8 | 10 | 22 | 5 | 13 | 22 | 11 | - | 8 | 23 | 14 |
| HERCA | 32 | 42 | 25 | 23 | - | 8 | 26 | 25 | 30 | 25 | 8 | 18 | 15 | 3 | 29 |
| HINWO | - | - | - | - | - | 22 | 7 | 54 | 43 | 57 | 6 | 53 | 32 | 46 | 3 |
| IGAAN | - | - | - | - | - | 2 | 6 | 11 | 5 | 8 | - | - | 5 | 8 | 2 |
| JONKA | 10 | 15 | 5 | - | 2 | 8 | 12 | 6 | 12 | 12 | 10 | 15 | 18 | 22 | 8 |
| | 9 | 7 | 3 | - | 3 | 7 | 25 | 12 | 17 | 11 | 14 | 26 | 9 | 22 | 15 |
| KACJA | - | - | - | 9 | - | 20 | 29 | 13 | 36 | 44 | 13 | 34 | 29 | 22 | 29 |
| | - | - | - | - | - | 28 | - | 8 | 27 | 17 | - | - | - | 19 | 31 |
| | - | - | - | 10 | - | 25 | 28 | 37 | 49 | 24 | 28 | 37 | 33 | 18 | 12 |
| | - | - | - | 12 | - | 73 | 43 | 33 | 85 | 69 | 31 | 64 | 62 | 48 | 24 |
| | - | - | - | 5 | - | 18 | 9 | 18 | 33 | 27 | 10 | 29 | 15 | 8 | 10 |
| KOSDE | - | 42 | 26 | - | - | 91 | 74 | 81 | 96 | 79 | 58 | 82 | 102 | 99 | 104 |
| | 39 | 38 | 39 | 39 | 27 | 38 | 40 | 49 | 71 | 83 | 105 | 112 | - | 122 | 131 |
| | 45 | 53 | 13 | 78 | - | 109 | 102 | 142 | 117 | 106 | 75 | 147 | 133 | 151 | 142 |
| | 50 | 63 | 51 | 75 | - | 69 | 123 | 128 | 107 | 139 | 158 | 148 | - | 145 | 138 |
| LOPAL | 2 | - | - | - | - | - | - | 1 | 52 | 49 | - | 56 | - | 50 | 1 |
| LOTJO | - | - | - | - | - | 13 | 24 | 18 | 8 | 6 | 29 | 24 | 19 | 22 | 9 |
| MACMA | 27 | - | - | 21 | 31 | 35 | 8 | 9 | 10 | - | - | 41 | - | 44 | 30 |
| | 23 | 2 | 1 | 23 | 34 | 23 | 3 | 7 | 64 | 29 | - | 58 | 1 | 61 | 21 |
| | 28 | - | 2 | 13 | 13 | 22 | 3 | 2 | 13 | 7 | - | 24 | - | 21 | 9 |
| | 38 | 2 | 8 | 36 | 41 | 22 | 3 | 8 | 56 | 28 | 2 | 51 | - | 52 | 19 |
| MARGR | 6 | 8 | 4 | 1 | 23 | 34 | 6 | 23 | 12 | 15 | 26 | 25 | 12 | 24 | - |
| MARRU | 31 | 42 | 43 | 21 | 23 | 33 | 47 | 39 | 9 | 17 | 49 | 51 | 38 | 37 | 26 |
| | 23 | 28 | 27 | 25 | 32 | 25 | 34 | 32 | 15 | 6 | 32 | 41 | 27 | 35 | 29 |
| MASMI | 30 | 30 | 31 | 29 | 24 | - | - | 43 | 40 | 50 | - | 51 | 45 | 38 | 37 |
| MOLSI | - | - | - | - | 25 | 116 | 90 | 119 | 128 | 143 | 95 | 51 | 74 | 190 | 80 |
| | - | - | - | - | 6 | 35 | 28 | 25 | 35 | 44 | 22 | 12 | 16 | 50 | 32 |
| | - | - | - | - | 2 | 30 | 28 | 24 | 64 | 41 | 23 | 23 | 29 | 53 | 20 |
| | 1 | 65 | - | 103 | 22 | 49 | 31 | 32 | 59 | 110 | 37 | 95 | 44 | 7 | 65 |
| | 1 | 43 | - | 62 | 6 | 19 | 18 | 41 | 65 | 97 | 39 | 84 | 39 | 5 | 45 |
| | - | 24 | - | 45 | 10 | 7 | 23 | 38 | 13 | 43 | 13 | 35 | 22 | 8 | 22 |
| | - | 29 | - | 65 | 19 | 19 | 25 | 46 | 61 | 70 | 30 | 87 | 29 | 6 | 37 |
| MORJO | 8 | 10 | 1 | - | 2 | 5 | 13 | 15 | 27 | 16 | 22 | 17 | 15 | 22 | - |
| MOSFA | - | - | 1 | 10 | 1 | - | 14 | - | - | 11 | - | 4 | 6 | - | 4 |
| OTTMI | 8 | 10 | 17 | 1 | 3 | - | - | 3 | 7 | 5 | 21 | - | 12 | 5 | - |
| PERZS | - | - | - | - | 40 | 33 | 38 | 19 | 51 | 44 | - | - | 43 | 89 | 56 |
| ROTEC | - | - | - | 4 | - | - | - | - | - | - | - | 18 | 11 | 4 | 18 |
| SARAN | 14 | 7 | - | 7 | 11 | 20 | 24 | 32 | 6 | 8 | 22 | 26 | 15 | 26 | 20 |
| | 24 | 38 | 23 | 21 | 26 | 23 | - | - | 6 | - | 37 | 38 | 21 | 37 | 16 |
| | 38 | 27 | 30 | 49 | 33 | 47 | 38 | 37 | 16 | 15 | 40 | 45 | 42 | 45 | 22 |
| | 15 | 10 | 14 | 13 | 21 | 13 | 26 | 28 | 7 | 5 | 21 | 27 | 26 | 18 | 24 |
| SCALE | - | - | - | - | - | - | - | - | - | 14 | 5 | 6 | 18 | 4 | 7 |
| SCHHA | 23 | - | 2 | 9 | 1 | 15 | 5 | 36 | 39 | 24 | 40 | 33 | 28 | - | - |
| SLAST | - | - | - | 10 | - | 29 | 17 | 7 | 35 | 41 | 11 | 55 | 21 | 23 | 4 |
| | - | 3 | - | 3 | - | 13 | 6 | 7 | 4 | 10 | 4 | 14 | 6 | 5 | - |
| STOEN | 14 | 2 | 12 | 22 | 1 | 11 | 89 | 39 | 59 | 55 | 35 | - | 42 | 28 | 44 |
| | 4 | 4 | 13 | 21 | 1 | 10 | 65 | 14 | 35 | 35 | 28 | 20 | 42 | 13 | 18 |
| | 8 | 7 | 19 | 41 | 1 | 25 | 74 | 35 | 76 | 61 | 44 | 40 | 57 | 20 | 38 |
| STRJO | 5 | 4 | 7 | - | 14 | 53 | - | 67 | 78 | 18 | 69 | 47 | 2 | - | 24 |
| | 5 | 5 | 34 | - | 4 | 37 | 17 | 41 | 41 | 10 | 43 | 40 | 2 | - | 11 |
| | 1 | - | 4 | - | - | 13 | 4 | 7 | 8 | 3 | 11 | - | - | - | - |
| | 2 | - | 15 | - | 10 | 42 | 8 | 52 | 55 | 13 | 51 | 30 | - | - | 12 |
| | 10 | 7 | 14 | - | 2 | 33 | 8 | 37 | 33 | 4 | 45 | 34 | 3 | - | 11 |
| TEPIS | 4 | 3 | 11 | - | 2 | 13 | 20 | 21 | 16 | 17 | 19 | 3 | 19 | 11 | 11 |
| | 16 | - | 23 | 1 | 11 | 13 | 39 | 40 | 24 | 30 | 35 | 34 | 16 | 47 | 26 |
| TRIMI | - | - | - | 8 | - | 13 | 7 | 8 | 11 | 18 | 8 | 27 | 16 | 9 | 12 |
| WEGWA | 17 | - | - | 21 | 33 | 24 | 57 | - | 11 | 26 | 4 | 26 | - | 21 | 17 |
| YRJIL | - | - | 37 | 38 | 34 | 1 | 12 | - | - | - | 11 | - | - | - | 39 |
| Sum | 909 | 918 | 863 | 1441 | 854 | 1931 | 2034 | 2388 | 2863 | 2622 | 2146 | 3042 | 2117 | 2407 | 2047 |