

| Passes                |           | Etalon     |            | Other Select |              |              |              |              |              | Total Etalon | Etalon NPTs/Pass | Total Other   | Total All     | No. Sats. |
|-----------------------|-----------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|---------------|---------------|-----------|
| Site Name             | Sta.      | Etalon-1   | Etalon-2   | LAGEOS-1     | LAGEOS-2     | LARES        | Starlette    | Stella       | Ajisai       |              |                  |               |               |           |
| Altay                 | 1879      | 18         | 20         | 20           | 20           | 12           | 0            | 0            | 0            | 38           | 4                | 462           | 500           | 51        |
| Arequipa              | 7403      | 0          | 0          | 4            | 2            | 6            | 44           | 23           | 70           | 0            | 0                | 443           | 443           | 26        |
| Arkhyz                | 1886      | 0          | 1          | 27           | 24           | 14           | 10           | 3            | 5            | 1            | 5                | 196           | 197           | 31        |
| Badary                | 1890      | 0          | 0          | 68           | 38           | 35           | 0            | 0            | 0            | 0            | 0                | 521           | 521           | 23        |
| Baikonur              | 1887      | 0          | 0          | 22           | 24           | 0            | 0            | 0            | 0            | 0            | 0                | 85            | 85            | 19        |
| Beijing               | 7249      | 7          | 9          | 48           | 49           | 37           | 71           | 26           | 52           | 16           | 3                | 1,143         | 1,159         | 85        |
| Borowiec              | 7811      | 0          | 0          | 22           | 21           | 25           | 6            | 6            | 16           | 0            | 0                | 259           | 259           | 36        |
| Brasilia              | 7407      | 2          | 1          | 12           | 9            | 3            | 1            | 2            | 5            | 3            | 5                | 98            | 101           | 43        |
| Changchun             | 7237      | 25         | 27         | 104          | 95           | 77           | 155          | 76           | 169          | 52           | 4                | 3,143         | 3,195         | 91        |
| Grasse                | 7845      | 35         | 42         | 66           | 45           | 34           | 0            | 21           | 37           | 77           | 6                | 684           | 761           | 32        |
| Graz                  | 7839      | 16         | 22         | 64           | 42           | 63           | 71           | 22           | 71           | 38           | 6                | 1,879         | 1,917         | 87        |
| Greenbelt             | 7105      | 12         | 12         | 80           | 74           | 81           | 96           | 60           | 93           | 24           | 3                | 1,510         | 1,534         | 52        |
| Haleakala             | 7119      | 0          | 0          | 33           | 27           | 34           | 32           | 23           | 54           | 0            | 0                | 514           | 514           | 29        |
| Hartebeesthoek (HARL) | 7501      | 5          | 9          | 62           | 31           | 41           | 54           | 36           | 69           | 14           | 4                | 879           | 893           | 53        |
| Hartebeesthoek (HRTL) | 7503      | 6          | 1          | 42           | 26           | 7            | 32           | 16           | 44           | 7            | 4                | 506           | 513           | 54        |
| Herstmonceux          | 7840      | 34         | 31         | 107          | 89           | 111          | 88           | 26           | 73           | 65           | 4                | 2,398         | 2,463         | 89        |
| Irkutsk               | 1891      | 2          | 1          | 37           | 10           | 22           | 42           | 30           | 38           | 3            | 3                | 524           | 527           | 44        |
| Katzively             | 1893      | 0          | 0          | 27           | 32           | 34           | 41           | 38           | 54           | 0            | 0                | 503           | 503           | 25        |
| Kiev                  | 1824      | 0          | 0          | 17           | 17           | 14           | 24           | 6            | 30           | 0            | 0                | 196           | 196           | 17        |
| Komsomolsk            | 1868      | 14         | 14         | 18           | 17           | 10           | 0            | 0            | 0            | 28           | 4                | 355           | 383           | 50        |
| Kunming               | 7819      | 32         | 38         | 115          | 118          | 82           | 114          | 72           | 143          | 70           | 2                | 3,351         | 3,421         | 93        |
| Matera                | 7941      | 32         | 29         | 138          | 126          | 44           | 148          | 54           | 132          | 61           | 7                | 1,703         | 1,764         | 49        |
| McDonald              | 7080      | 0          | 0          | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0                | 0             | 0             | 0         |
| Mendeleev             | 1874      | 0          | 0          | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0                | 0             | 0             | 0         |
| Monument Peak         | 7110      | 1          | 5          | 18           | 6            | 25           | 51           | 27           | 85           | 6            | 3                | 874           | 880           | 50        |
| Mount Stromlo         | 7825      | 12         | 9          | 151          | 124          | 82           | 229          | 110          | 218          | 21           | 4                | 2,385         | 2,406         | 54        |
| Potsdam               | 7841      | 8          | 13         | 49           | 46           | 72           | 47           | 6            | 42           | 21           | 5                | 1,213         | 1,234         | 83        |
| Riga                  | 1884      | 1          | 0          | 17           | 17           | 18           | 8            | 3            | 2            | 1            | 2                | 252           | 253           | 31        |
| Sejong                | 7394      | 0          | 0          | 4            | 5            | 1            | 21           | 5            | 10           | 0            | 0                | 82            | 82            | 11        |
| Shanghai              | 7821      | 2          | 3          | 26           | 31           | 15           | 17           | 6            | 19           | 5            | 5                | 408           | 413           | 69        |
| Simeiz                | 1873      | 4          | 8          | 54           | 57           | 67           | 46           | 38           | 52           | 12           | 4                | 765           | 777           | 46        |
| Simosato              | 7838      | 0          | 0          | 2            | 2            | 1            | 8            | 4            | 12           | 0            | 0                | 51            | 51            | 16        |
| Svetloe               | 1888      | 0          | 0          | 45           | 32           | 39           | 10           | 23           | 23           | 0            | 0                | 451           | 451           | 37        |
| Tahiti                | 7124      | 0          | 0          | 6            | 4            | 9            | 22           | 0            | 14           | 0            | 0                | 159           | 159           | 33        |
| Wettzell (SOSW)       | 7827      | 39         | 35         | 120          | 111          | 151          | 97           | 61           | 86           | 74           | 4                | 2,641         | 2,715         | 87        |
| Wettzell (WETL)       | 8834      | 51         | 56         | 142          | 110          | 123          | 133          | 86           | 173          | 107          | 6                | 2,835         | 2,942         | 79        |
| Yarragadee            | 7090      | 57         | 44         | 247          | 211          | 181          | 316          | 164          | 353          | 101          | 8                | 5,590         | 5,691         | 91        |
| Zelenchukskaya        | 1889      | 0          | 0          | 7            | 3            | 12           | 24           | 10           | 27           | 0            | 0                | 174           | 174           | 32        |
| Zimmerwald            | 7810      | 36         | 48         | 194          | 138          | 186          | 181          | 106          | 174          | 84           | 7                | 3,649         | 3,733         | 63        |
| <b>Totals:</b>        | <b>37</b> | <b>451</b> | <b>478</b> | <b>2,215</b> | <b>1,833</b> | <b>1,768</b> | <b>2,239</b> | <b>1,189</b> | <b>2,445</b> | <b>929</b>   | <b>5</b>         | <b>42,881</b> | <b>43,810</b> |           |

Pass Summary by Network (Campaign Constellation vs. Total)

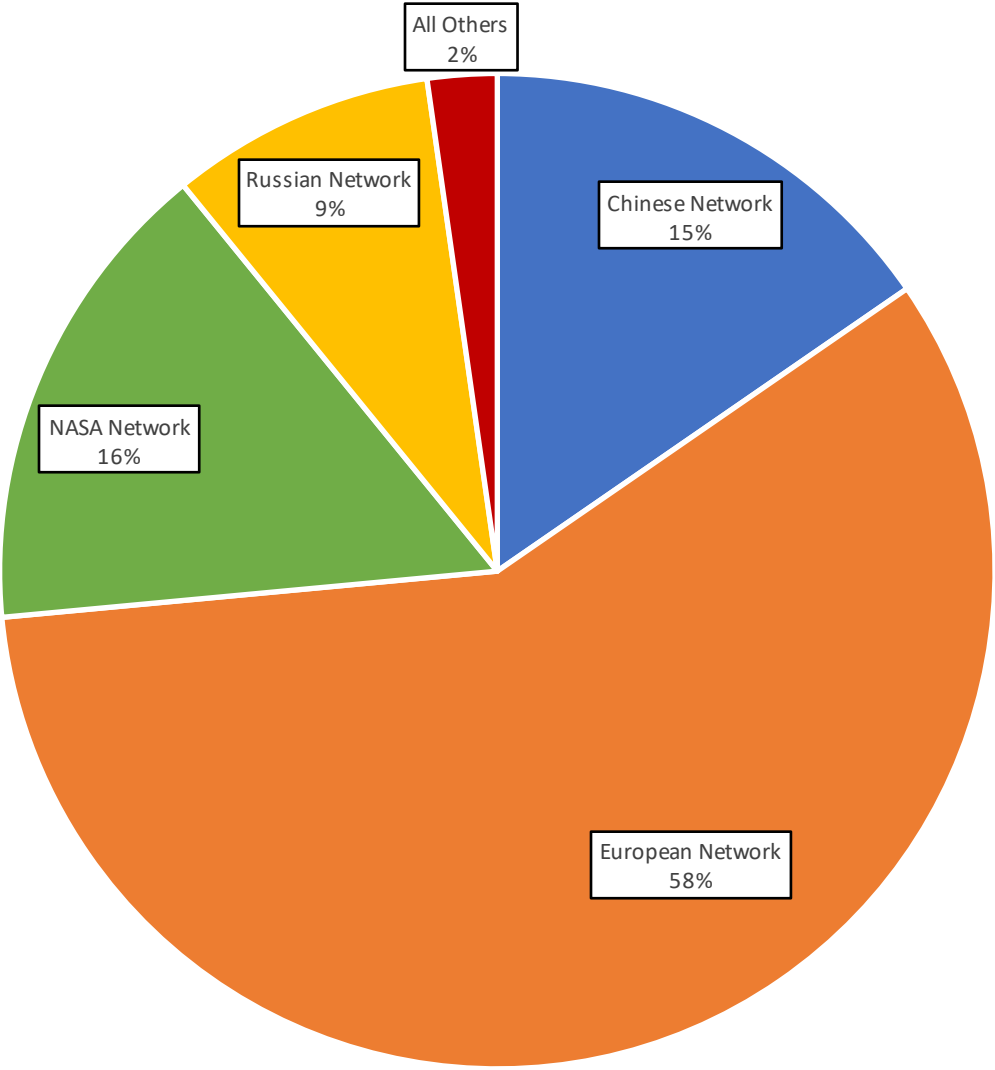
| Network          | Sta.      | %Etalon   | %Other     | Tot.        | Etalon     | Other         | Tot.          |
|------------------|-----------|-----------|------------|-------------|------------|---------------|---------------|
| Chinese Network  | 4         | 15%       | 19%        | 19%         | 143        | 8,045         | 8,188         |
| European Network | 13        | 58%       | 44%        | 45%         | 540        | 18,977        | 19,517        |
| NASA Network     | 7         | 16%       | 23%        | 23%         | 145        | 9,969         | 10,114        |
| Russian Network  | 10        | 9%        | 8%         | 8%          | 80         | 3,372         | 3,452         |
| All Others       | 3         | 2%        | 6%         | 6%          | 21         | 2,518         | 2,539         |
| <b>Totals:</b>   | <b>39</b> | <b>2%</b> | <b>98%</b> | <b>100%</b> | <b>929</b> | <b>42,881</b> | <b>43,810</b> |

| Normal Points         |           | Etalon       |              | Other Select  |               |               |               |              |               | Total        | Total          | Total          | No.   |
|-----------------------|-----------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|----------------|----------------|-------|
| Site Name             | Sta.      | Etalon-1     | Etalon-2     | LAGEOS-1      | LAGEOS-2      | LARES         | Starlette     | Stella       | Ajisai        | Etalon       | Other          | All            | Sats. |
| Altay                 | 1879      | 71           | 81           | 106           | 116           | 87            | 0             | 0            | 0             | 152          | 1,637          | 1,789          | 51    |
| Arequipa              | 7403      | 0            | 0            | 12            | 9             | 24            | 285           | 152          | 691           | 0            | 3,699          | 3,699          | 26    |
| Arkhyz                | 1886      | 0            | 5            | 161           | 173           | 62            | 69            | 14           | 47            | 5            | 1,191          | 1,196          | 31    |
| Badary                | 1890      | 0            | 0            | 334           | 203           | 246           | 0             | 0            | 0             | 0            | 3,855          | 3,855          | 23    |
| Baikonur              | 1887      | 0            | 0            | 104           | 137           | 0             | 0             | 0            | 0             | 0            | 342            | 342            | 19    |
| Beijing               | 7249      | 18           | 27           | 250           | 250           | 193           | 394           | 136          | 445           | 45           | 6,034          | 6,079          | 85    |
| Borowiec              | 7811      | 0            | 0            | 235           | 216           | 244           | 54            | 61           | 255           | 0            | 3,701          | 3,701          | 36    |
| Brasilia              | 7407      | 13           | 3            | 35            | 26            | 8             | 2             | 5            | 19            | 16           | 343            | 359            | 43    |
| Changchun             | 7237      | 89           | 120          | 881           | 791           | 666           | 1,284         | 588          | 1,907         | 209          | 33,500         | 33,709         | 91    |
| Grasse                | 7845      | 203          | 272          | 778           | 663           | 424           | 0             | 187          | 640           | 475          | 4,630          | 5,105          | 32    |
| Graz                  | 7839      | 92           | 145          | 389           | 223           | 919           | 955           | 262          | 1,607         | 237          | 22,974         | 23,211         | 87    |
| Greenbelt             | 7105      | 42           | 37           | 883           | 1,050         | 1,116         | 1,148         | 554          | 1,492         | 79           | 25,371         | 25,450         | 52    |
| Haleakala             | 7119      | 0            | 0            | 332           | 233           | 412           | 301           | 230          | 766           | 0            | 6,814          | 6,814          | 29    |
| Hartebeesthoek (HARL) | 7501      | 26           | 31           | 546           | 255           | 519           | 592           | 332          | 901           | 57           | 10,585         | 10,642         | 53    |
| Hartebeesthoek (HRTL) | 7503      | 28           | 3            | 210           | 143           | 17            | 145           | 51           | 286           | 31           | 3,158          | 3,189          | 54    |
| Herstmonceux          | 7840      | 132          | 150          | 1,274         | 1,157         | 1,246         | 832           | 196          | 846           | 282          | 22,606         | 22,888         | 89    |
| Irkutsk               | 1891      | 6            | 2            | 183           | 60            | 75            | 143           | 109          | 226           | 8            | 3,226          | 3,234          | 44    |
| Katzively             | 1893      | 0            | 0            | 169           | 179           | 241           | 327           | 285          | 649           | 0            | 5,154          | 5,154          | 25    |
| Kiev                  | 1824      | 0            | 0            | 114           | 115           | 109           | 177           | 62           | 280           | 0            | 1,681          | 1,681          | 17    |
| Komsomolsk            | 1868      | 60           | 57           | 98            | 103           | 79            | 0             | 0            | 0             | 117          | 1,317          | 1,434          | 50    |
| Kunming               | 7819      | 67           | 84           | 438           | 469           | 613           | 805           | 493          | 1,212         | 151          | 20,204         | 20,355         | 93    |
| Matera                | 7941      | 222          | 214          | 1,009         | 1,161         | 320           | 1,135         | 289          | 1,321         | 436          | 13,850         | 14,286         | 49    |
| McDonald              | 7080      | 0            | 0            | 0             | 0             | 0             | 0             | 0            | 0             | 0            | 0              | 0              | 0     |
| Mendeleev             | 1874      | 0            | 0            | 0             | 0             | 0             | 0             | 0            | 0             | 0            | 0              | 0              | 0     |
| Monument Peak         | 7110      | 2            | 17           | 120           | 62            | 289           | 538           | 230          | 1,368         | 19           | 14,225         | 14,244         | 50    |
| Mount Stromlo         | 7825      | 39           | 45           | 1,054         | 866           | 765           | 2,215         | 976          | 2,789         | 84           | 27,712         | 27,796         | 54    |
| Potsdam               | 7841      | 35           | 65           | 314           | 311           | 688           | 407           | 37           | 506           | 100          | 11,919         | 12,019         | 83    |
| Riga                  | 1884      | 2            | 0            | 130           | 144           | 221           | 88            | 19           | 34            | 2            | 4,141          | 4,143          | 31    |
| Sejong                | 7394      | 0            | 0            | 24            | 36            | 10            | 241           | 41           | 122           | 0            | 957            | 957            | 11    |
| Shanghai              | 7821      | 10           | 15           | 229           | 243           | 122           | 115           | 46           | 159           | 25           | 2,593          | 2,618          | 69    |
| Simeiz                | 1873      | 16           | 31           | 267           | 273           | 499           | 285           | 202          | 386           | 47           | 6,490          | 6,537          | 46    |
| Simosato              | 7838      | 0            | 0            | 20            | 24            | 6             | 78            | 18           | 134           | 0            | 514            | 514            | 16    |
| Svetloe               | 1888      | 0            | 0            | 175           | 133           | 177           | 36            | 73           | 185           | 0            | 2,784          | 2,784          | 37    |
| Tahiti                | 7124      | 0            | 0            | 47            | 40            | 83            | 192           | 0            | 167           | 0            | 1,731          | 1,731          | 33    |
| Wettzell (SOSW)       | 7827      | 176          | 133          | 558           | 506           | 1,602         | 958           | 420          | 1,257         | 309          | 17,668         | 17,977         | 87    |
| Wettzell (WETL)       | 8834      | 334          | 332          | 1,104         | 799           | 1,030         | 1,007         | 527          | 1,696         | 666          | 20,619         | 21,285         | 79    |
| Yarragadee            | 7090      | 410          | 399          | 2,028         | 1,937         | 2,073         | 3,380         | 1,856        | 4,332         | 809          | 74,249         | 75,058         | 91    |
| Zelenchukskaya        | 1889      | 0            | 0            | 23            | 10            | 101           | 137           | 46           | 158           | 0            | 1,080          | 1,080          | 32    |
| Zimmerwald            | 7810      | 216          | 384          | 2,359         | 1,762         | 2,848         | 1,999         | 1,156        | 2,208         | 600          | 45,615         | 46,215         | 63    |
| <b>Totals:</b>        | <b>37</b> | <b>2,309</b> | <b>2,652</b> | <b>16,993</b> | <b>14,878</b> | <b>18,134</b> | <b>20,324</b> | <b>9,653</b> | <b>29,091</b> | <b>4,961</b> | <b>428,169</b> | <b>433,130</b> |       |

Normal Point Summary by Network (Campaign Constellation vs. Total)

| Network          | Sta.     | %Etalon   | %Other     | Tot.        | Etalon       | Other          | Tot.           |
|------------------|----------|-----------|------------|-------------|--------------|----------------|----------------|
| Chinese Network  | 4        | 9%        | 15%        | 14%         | 430          | 62,331         | 62,761         |
| European Network | 13       | 64%       | 42%        | 43%         | 3,154        | 181,048        | 184,202        |
| NASA Network     | 7        | 19%       | 32%        | 32%         | 964          | 136,674        | 137,638        |
| Russian Network  | 10       | 7%        | 4%         | 4%          | 329          | 18,933         | 19,262         |
| All Others       | 3        | 2%        | 7%         | 7%          | 84           | 29,183         | 29,267         |
| <b>Totals:</b>   | <b>9</b> | <b>1%</b> | <b>99%</b> | <b>100%</b> | <b>4,961</b> | <b>428,169</b> | <b>433,130</b> |

Campaign Tracking Totals by Network  
(Passes)



### Campaign Totals by Station

