0ТАБЛИЦЫ 3–15 ПРЕДСТАВЛЯЮТ Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренных газоразрядным счетчиком СТС-6 на станциях, указанных в таблице 1

TABLES 3–15 PRESENT Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with A single gas-discharged counter STS-6 at the stations given in the table 1

**Таблица 3.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на северных полярных широтах Мурманской области (*Rc* = 0.6 ГВ) в период

07.1957–12.2015

**Table 3.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at the northern polar latitudes of Murmansk region (*Rc* = 0.6 GV) in the period of

07.1957–12.2015

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1957 |  |  |  |  |  |  | 2.030 0.022 | 2.106 0.022 | 1.975 0.045 | 1.993 0.085 | 2.165 0.028 | 2.100 0.028 | 2.062 0.030 |
| 1958 |  | 2.082 0.036 | 2.166 0.032 | 2.127 0.025 | 2.172 0.010 | 2.239 0.015 | 2.132 0.017 | 2.213 0.024 | 2.216 0.014 | 2.278 0.021 | 2.298 0.029 | 2.303 0.019 | 2.202 0.022 |
| 1959 | 2.277 0.017 | 2.272 0.014 | 2.320 0.017 | 2.347 0.012 | 2.207 0.016 | 2.304 0.012 | 2.102 0.043 | 2.122 0.012 | 2.222 0.021 | 2.380 0.016 | 2.363 0.010 | 2.364 0.019 | 2.273 0.027 |
| 1960 | 2.260 0.017 | 2.333 0.012 | 2.378 0.016 | 2.293 0.028 | 2.292 0.021 | 2.297 0.022 | 2.283 0.025 | 2.386 0.017 | 2.368 0.013 | 2.426 0.010 | 2.321 0.033 | 2.367 0.017 | 2.334 0.015 |
| 1961 | 2.475 0.011 | 2.571 0.012 | 2.581 0.010 | 2.566 0.010 | 2.608 0.011 | 2.628 0.007 | 2.464 0.026 | 2.541 0.009 | 2.571 0.010 | 2.650 0.020 | 2.761 0.007 | 2.994 0.017 | 2.618 0.041 |
| 1962 | 2.8930.027 | 2.8090.025 | 2.8390.010 | 2.7530.013 | 2.8130.010 | 2.8210.014 | 2.8240.012 | 2.8240.010 | 2.7670.014 | 2.7620.014 | 2.8210.029 | 2.8890.034 | 2.8180.013 |
| 1963 | 3.0080.037  | 3.095 0.028 | 3.042 0.019 | 3.039 0.013 | 2.9690.015 | 2.990 0.008 | 2.963 0.008 | 2.932 0.006 | 2.859 0.028 | 2.933 0.016 | 3.002 0.024 | 3.055 0.044 | 2.9910.019  |
| 1964 | 3.124 0.010 | 3.123 0.010 | 3.124 0.009 | 3.138 0.016 | 3.172 0.011 | 3.218 0.008 | 3.233 0.008 | 3.222 0.011 | 3.242 0.009 | 3.262 0.010 | 3.243 0.008 | 3.315 0.016 | 3.201 0.018 |
| 1965 | 3.376 0.025 | 3.362 0.012 | 3.377 0.008 | 3.445 0.007 | 3.474 0.006 | 3.409 0.006 | 3.356 0.006 | 3.336 0.006 | 3.343 0.006 | 3.376 0.007 | 3.438 0.009 | 3.429 0.012 | 3.393 0.013 |
| 1966 | 3.361 0.018 | 3.353 0.014 | 3.299 0.033 | 3.236 0.016 | 3.272 0.016 | 3.199 0.016 | 3.148 0.016 | 3.151 0.010 | 2.901 0.016 | 3.001 0.011 | 3.031 0.008 | 2.986 0.013 | 3.162 0.044 |
| 1967 | 2.922 0.017 | 2.836 0.020 | 2.927 0.015 | 2.922 0.010 | 2.819 0.019 | 2.802 0.013 | 2.849 0.007 | 2.808 0.007 | 2.807 0.010 | 2.877 0.011 | 2.789 0.014 | 2.782 0.008 | 2.845 0.016 |
| 1968 | 2.809 0.007 | 2.808 0.012 | 2.769 0.009 | 2.778 0.010 | 2.705 0.008 | 2.628 0.011 | 2.624 0.011 | 2.657 0.008 | 2.591 0.010 | 2.479 0.017 | 2.377 0.017 | 2.452 0.012 | 2.640 0.042 |
| 1969 | 2.566 0.014 | 2.520 0.012 | 2.493 0.015 | 2.486 0.017 | 2.399 0.013 | 2.334 0.012 | 2.324 0.008 | 2.357 0.009 | 2.419 0.008 | 2.406 0.008 | 2.427 0.010 | 2.395 0.012 | 2.427 0.022 |
| 1970 | 2.397 0.007 | 2.427 0.009 | 2.411 0.009 | 2.357 0.012 | 2.346 0.013 | 2.277 0.009 | 2.230 0.015 | 2.282 0.013 | 2.355 0.015 | 2.401 0.012 | 2.346 0.014 | 2.418 0.013 | 2.354 0.018 |
| 1971 | 2.439 0.014 | 2.551 0.011 | 2.553 0.009 | 2.607 0.014 | 2.633 0.013 | 2.719 0.017 | 2.758 0.014 | 2.820 0.015 | 2.790 0.020 | 2.854 0.022 | 2.899 0.019 | 2.903 0.017 | 2.711 0.044 |
| 1972 | 2.951 0.022 | 3.029 0.015 | 3.125 0.009 | 3.215 0.012 | 3.207 0.014 | 3.048 0.013 | 3.122 0.019 | 2.826 0.026 | 3.054 0.013 | 3.104 0.009 | 3.139 0.028 | 3.179 0.006 | 3.083 0.032 |
| 1973 | 3.196 0.010 | 3.171 0.012 | 3.130 0.008 | 2.950 0.011 | 2.848 0.018 | 3.007 0.010 | 3.083 0.013 | 3.104 0.016 | 3.174 0.012 | 3.199 0.009 | 3.252 0.013 | 3.247 0.009 | 3.113 0.036 |
| 1974 | 3.286 0.011 | 3.272 0.011 | 3.214 0.011 | 3.185 0.011 | 3.076 0.013 | 3.028 0.011 | 2.899 0.016 | 2.979 0.011 | 2.978 0.018 | 2.905 0.013 | 2.892 0.014 | 3.019 0.008 | 3.061 0.042 |
| 1975 | 3.043 0.011 | 3.112 0.007 | 3.162 0.008 | 3.231 0.012 | 3.265 0.008 | 3.310 0.007 | 3.313 0.006 | 3.297 0.007 | 3.316 0.006 | 3.269 0.006 | 3.212 0.009 | 3.227 0.008 | 3.230 0.025 |
| 1976 | 3.232 0.009 | 3.222 0.009 | 3.264 0.015 | 3.138 0.015 | 3.227 0.011 | 3.271 0.009 | 3.319 0.008 | 3.373 0.009 | 3.382 0.008 | 3.376 0.008 | 3.373 0.007 | 3.351 0.008 | 3.294 0.040 |
| 1977 | 3.349 0.009 | 3.333 0.013 | 3.333 0.009 | 3.344 0.012 | 3.383 0.008 | 3.325 0.012 | 3.242 0.007 | 3.252 0.010 | 3.220 0.026 | 3.235 0.008 | 3.311 0.012 | 3.281 0.009 | 3.301 0.024 |
| 1978 | 3.224 0.008 | 3.120 0.042 | 3.085 0.016 | 3.006 0.019 | 2.853 0.039 | 2.983 0.016 | 2.970 0.014 | 3.085 0.009 | 3.127 0.017 | 3.007 0.010 | 3.037 0.011 | 3.075 0.013 | 3.048 0.018 |
| 1979 | 2.978 0.011 | 2.947 0.016 | 2.872 0.012 | 2.720 0.014 | 2.754 0.014 | 2.612 0.011 | 2.579 0.017 | 2.474 0.024 | 2.452 0.019 | 2.499 0.013 | 2.514 0.011 | 2.604 0.008 | 2.667 0.043 |
| 1980 | 2.566 0.011 | 2.522 0.011 | 2.588 0.008 | 2.526 0.014 | 2.519 0.007 | 2.373 0.015 | 2.324 0.012 | 2.335 0.007 | 2.347 0.007 | 2.248 0.008 | 2.165 0.007 | 2.188 0.008 | 2.392 0.043 |
| 1981 | 2.300 0.006 | 2.236 0.011 | 2.229 0.015 | 2.199 0.014 | 2.162 0.016 | 2.282 0.010 | 2.302 0.017 | 2.295 0.013 | 2.376 0.014 | 2.257 0.018 | 2.276 0.009 | 2.352 0.009 | 2.272 0.017 |
| 1982 | 2.426 0.011 | 2.284 0.010 | 2.419 0.009 | 2.492 0.008 | 2.547 0.007 | 2.364 0.020 | 2.116 0.030 | 2.184 0.009 | 2.093 0.013 | 2.102 0.005 | 2.124 0.008 | 2.075 0.009 | 2.269 0.050 |
| 1983 | 2.161 0.011 | 2.258 0.011 | 2.331 0.009 | 2.373 0.007 | 2.260 0.009 | 2.337 0.007 | 2.410 0.007 | 2.453 0.009 | 2.509 0.006 | 2.533 0.009 | 2.551 0.008 | 2.545 0.008 | 2.393 0.037 |
| 1984 | 2.606 0.011 | 2.577 0.014 | 2.458 0.012 | 2.452 0.020 | 2.363 0.008 | 2.450 0.008 | 2.479 0.009 | 2.566 0.010 | 2.615 0.006 | 2.614 0.006 | 2.596 0.007 | 2.605 0.005 | 2.532 0.025 |
| 1985 | 2.635 0.006 | 2.694 0.009 | 2.717 0.007 | 2.751 0.019 | 2.758 0.011 | 2.804 0.007 | 2.803 0.010 | 2.820 0.012 | 2.936 0.011 | 2.907 0.013 | 2.935 0.009 | 2.979 0.007 | 2.812 0.031  |
| 1986 | 2.965 0.014 | 2.844 0.033 | 2.926 0.012 | 3.019 0.014 | 3.063 0.009 | 3.138 0.010 | 3.115 0.007 | 3.127 0.013 | 3.140 0.011 | 3.174 0.008 | 3.092 0.017 | 3.157 0.013 | 3.063 0.030 |
| 1987 | 3.257 0.011 | 3.346 0.015 | 3.342 0.010 | 3.326 0.007 | 3.285 0.011 | 3.207 0.008 | 3.142 0.012 | 3.092 0.012 | 3.020 0.007 | 3.024 0.012 | 2.992 0.013 | 2.967 0.013 | 3.167 0.042 |
| 1988 | 2.809 0.020 | 2.849 0.013 | 2.845 0.008 | 2.836 0.012 | 2.850 0.011 | 2.851 0.009 | 2.754 0.012 | 2.739 0.013 | 2.718 0.011 | 2.661 0.007 | 2.653 0.012 | 2.544 0.022 | 2.759 0.029 |
| 1989 | 2.449 0.009 | 2.439 0.013 | 2.188 0.041 | 2.224 0.011 | 2.143 0.014 | 2.126 0.016 | 2.225 0.015 | 2.164 0.021 | 2.018 0.020 | 2.009 0.028 | 1.904 0.027 | 1.950 0.010 | 2.153 0.050 |
| 1990 | 2.028 0.008 | 2.080 0.009 | 2.009 0.023 | 1.947 0.010 | 1.913 0.013 | 1.836 0.015 | 1.967 0.009 | 1.904 0.011 | 1.987 0.007 | 2.023 0.008 | 2.083 0.009 | 2.119 0.010 | 1.991 0.024 |
| 1991 | 2.212 0.008 | 2.204 0.016 | 2.036 0.068 | 2.036 0.017 | 2.117 0.016 | 1.748 0.027 | 1.782 0.029 | 1.895 0.011 | 2.038 0.018 |  | 2.160 0.030 | 2.259 0.014 | 2.044 0.052 |
| 1992 | 2.280 0.021 | 2.260 0.018 | 2.307 0.017 | 2.437 0.027 | 2.444 0.022 | 2.498 0.023 | 2.486 0.085 | 2.601 0.042 | 2.540 0.066 | 2.781 0.027 | 2.611 0.022 | 2.829 0.016 | 2.506 0.052 |
| 1993 | 2.880 0.021 | 2.815 0.017 | 2.759 0.020 | 2.830 0.013 | 2.908 0.045 | 2.866 0.019 | 2.903 0.025 | 2.878 0.030 | 2.989 0.027 | 2.951 0.033 | 3.070 0.015 | 3.088 0.035 | 2.911 0.029 |
| 1994 | 3.056 0.014 | 2.965 0.022 | 3.006 0.015 | 2.978 0.029 | 3.007 0.011 | 2.977 0.020 | 3.086 0.016 | 3.136 0.025 | 3.217 0.018 | 3.141 0.032 | 3.135 0.014 | 3.170 0.015 | 3.072 0.025 |
| 1995 | 3.137 0.011 | 3.161 0.021 | 3.103 0.016 | 3.109 0.030 | 3.184 0.029 | 3.216 0.013 | 3.243 0.020 | 3.177 0.013 | 3.308 0.053 | 3.243 0.016 | 3.273 0.011 | 3.290 0.016 | 3.197 0.020 |
| 1996 | 3.270 0.015 | 3.320 0.020 | 3.314 0.013 | 3.346 0.012 | 3.324 0.015 | 3.370 0.015 | 3.369 0.010 | 3.357 0.011 | 3.340 0.018 | 3.324 0.028 | 3.318 0.022 | 3.306 0.028 | 3.335 0.006 |
| 1997 | 3.317 0.028 | 3.378 0.027 | 3.380 0.018 | 3.328 0.025 | 3.405 0.013 | 3.368 0.019 | 3.340 0.014 | 3.319 0.011 | 3.341 0.017 | 3.330 0.029 | 3.266 0.028 | 3.303 0.028 | 3.342 0.011 |
| 1998 | 3.310 0.019 | 3.260 0.017 | 3.345 0.032 | 3.158 0.026 | 2.934 0.032 | 2.992 0.025 | 3.047 0.019 | 2.970 0.052 | 3.075 0.036 | 3.142 0.017 | 3.058 0.035 | 3.021 0.027 | 3.091 0.036 |
| 1999 | 2.814 0.036 | 2.892 0.022 | 2.850 0.018 | 2.938 0.018 | 2.878 0.018 | 2.911 0.034 | 2.951 0.030 | 2.847 0.040 | 2.711 0.016 | 2.612 0.022 | 2.551 0.018 | 2.553 0.030 | 2.790 0.045 |
| 2000 | 2.530 0.019 | 2.499 0.020 | 2.383 0.015 | 2.386 0.017 | 2.341 0.033 | 2.213 0.024 | 2.160 0.029 | 2.210 0.027 | 2.186 0.025 | 2.263 0.024 | 2.224 0.030 | 2.199 0.026 | 2.300 0.036 |
| 2001 | 2.273 0.012 | 2.302 0.024 | 2.445 0.025 | 2.250 0.041 | 2.397 0.015 | 2.449 0.022 | 2.416 0.024 | 2.396 0.028 | 2.390 0.018 | 2.336 0.021 | 2.405 0.029 | 2.452 0.023 | 2.376 0.020 |
| 2002 | 2.437 0.023 | 2.548 0.043 | 2.443 0.040 | 2.365 0.026 | 2.423 0.014 | 2.511 0.027 | 2.372 0.031 | 2.283 0.026 | 2.350 0.023 | 2.389 0.028 | 2.278 0.024 | 2.337 0.026 | 2.395 0.024 |
| 2003 | 2.455 0.018 | 2.408 0.025 | 2.362 0.015 | 2.427 0.023 | 2.293 0.038 | 2.266 0.032 | 2.340 0.015 | 2.349 0.033 | 2.310 0.046 | 2.310 0.091 | 2.176 0.033 | 2.282 0.035 | 2.332 0.022 |
| 2004 | 2.367 0.028 | 2.435 0.023 | 2.583 0.017 | 2.570 0.028 | 2.668 0.020 | 2.739 0.028 | 2.666 0.022 | 2.687 0.035 | 2.711 0.028 | 2.804 0.016 | 2.696 0.037 | 2.731 0.025 | 2.638 0.037 |
| 2005 | 2.581 0.040 | 2.663 0.016 | 2.706 0.026 | 2.762 0.023 | 2.536 0.057 | 2.722 0.012 | 2.721 0.042 | 2.743 0.025 | 2.587 0.037 | 2.779 0.038 | 2.773 0.031 | 2.845 0.011 | 2.698 0.028 |
| 2006 | 2.866 0.024 | 2.974 0.011 | 3.068 0.028 | 3.065 0.014 | 3.044 0.021 | 3.152 0.020 | 2.997 0.022 | 3.109 0.023 | 3.108 0.020 | 3.081 0.016 | 3.103 0.019 | 2.990 0.037 | 3.046 0.023 |
| 2007 | 3.128 0.024 | 3.176 0.023 | 3.223 0.015 | 3.2410.026 | 3.3120.022 | 3.3080.018 | 3.3110.022 | 3.3730.028 | 3.3360.015 | 3.3260.021 | 3.2990.024 | 3.3530.023 | 3.2820.021 |
| 2008 | 3.3040.025 | 3.2840.027 | 3.2940.015 | 3.2880.021 | 3.2970.018 | 3.3340.013 | 3.3890.020 | 3.3720.029 | 3.4730.021 | 3.4500.015 | 3.5250.037 | 3.5880.023 | 3.3830.030 |
| 2009 | 3.6400.044 | 3.5880.038 | 3.7630.041 | 3.8370.027 | 3.7520.032 | 3.8240.023 | 3.8740.042 | 3.7570.037 | 3.6670.034 | 3.7180.027 | 3.6910.024 | 3.6820.016 | 3.7330.025 |
| 2010 | 3.6230.023 | 3.5850.028 | 3.4850.019 | 3.4270.023 | 3.3280.038 | 3.3810.031 | 3.3870.033 | 3.3090.023 | 3.3320.018 | 3.2680.048 | 3.2950.052 | 3.1350.059 | 3.3790.039 |
| 2011 | 3.3860.019 | 3.3940.039 | 3.2230.024 | 3.0560.036 | 3.0320.012 | 2.9000.023 | 2.9620.015 | 2.9320.015 | 2.9750.028 | 2.8950.017 | 2.9760.012 | 3.0430.015 | 3.0650.051 |
| 2012 | 2.9520.030 | 2.9460.026 | 2.6730.060 | 2.8460.040 | 2.8700.020 | 2.7730.028 | 2.6510.026 | 2.5480.023 | 2.6840.018 | 2.6510.022 | 2.7420.014 | 2.7040.035 | 2.7530.037 |
| 2013 | 2.7690.029 | 2.7530.017 | 2.7020.027 | 2.6890.022 | 2.4650.030 | 2.4800.016 | 2.5460.014 | 2.5820.027 | 2.5300.026 | 2.5850.023 | 2.5570.036 | 2.4830.006 | 2.5950.031 |
| 2014 | 2.5510.010 | 2.5080.016 | 2.4780.016 | 2.5340.017 | 2.6100.026 | 2.5070.025 | 2.5800.017 | 2.6550.014 | 2.6000.038 | 2.6460.025 | 2.6880.037 | 2.5670.032 | 2.5770.019 |
| 2015 | 2.6150.028 | 2.5940.026 | 2.4630.026 | 2.4580.011 | 2.6010.032 | 2.6330.039 | 2.6900.026 | 2.7190.023 | 2.7150.020 | 2.7140.025 | 2.7920.029 | 2.8440.027 | 2.6530.034 |
| 2016 | 3.0060.030  | 3.0190.026 | 2.9560.021 | 2.9280.012 | 2.9910.023 | 3.0000.023 | 3.1250.053 | 3.2230.040 | 3.2280.023 | 3.3610.043 | 3.2530.026 | 3.3870.036 | 3.123 0.047 |
| 2017 | 3.4180.031 | 3.4720.030 | 3.5670.033 | 3.4270.051 | 3.4380.038 | 3.4060.042 | 3.5010.025 | 3.3340.023 | 3.1990.055 | 3.3060.022 | 3.4350.035 | 3.3800.019 | 3.4070.028 |
| 2018 | 3.4480.000 | 3.5190.038 | 3.4860.013 | 3.5440.025 | 3.5020.026 | 3.5560.024 | 3.6050.015 | 3.6090.033 | 3.6700.026 | 3.5720.029 | 3.5690.029 | 3.5360.020 | 3.5510.017 |
| 2019 | 3.5950.040 | 3.6010.047 | 3.6990.013 | 3.6250.016 | 3.5250.028 | 3.5840.039 | 3.5360.032 | 3.6630.028 | 3.6000.019 | 3.6320.051 | 3.6800.063 | 3.6550.091 | 3.6160.015 |
| 2020 | 3.5920.019 | 3.7390.057 | 3.6730.037 | 3.5840.030 | 3.6640.024 | 3.7580.028 |  3.6310.030 | 3.6780.037 | 3.6800.022 | 3.6350.029 | 3.5140.013 | 3.5220.018 | 3.6390.022 |
| 2021 | 3.4600.021 | 3.5100.027 | 3.4750.018 | 3.5780.027 | 3.5200.023 | 3.5050.006 | 3.5210.025 | 3.5600.027 | 3.5150.028 | 3.4590.019 | 3.3740.038 | 3.5400.034 | 3.5010.054 |

**Таблица 4.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Долгопрудный, Московская область (*Rc* = 2.4 ГВ) в период 07.1957–12.2015

**Table 4.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Dolgoprudny town, Moscow region (*Rc* = 2.4 GV) in the period of 07.1957–12. 2015

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1957 |  |  |  |  |  |  | 1.972 0.036 | 2.025 0.033 | 1.864 0.033 | 1.985 0.066 | 1.946 0.024 | 2.121 0.039 | 1.986 0.035 |
| 1958 | 2.100 0.019 | 2.164 0.014 | 2.011 0.021 | 2.018 0.014 | 2.087 0.013 | 2.115 0.010 | 2.082 0.014 | 2.095 0.014 | 2.142 0.012 | 2.156 0.011 | 2.222 0.017 | 2.178 0.017 | 2.114 0.018 |
| 1959 | 2.140 0.014 | 2.117 0.018 | 2.119 0.009 | 2.231 0.009 | 2.115 0.022 | 2.190 0.011 | 1.995 0.046 | 2.071 0.012 | 2.179 0.010 | 2.153 0.009 | 2.220 0.010 | 2.182 0.013 | 2.143 0.019 |
| 1960 | 2.130 0.012 | 2.160 0.015 | 2.205 0.013 | 2.167 0.021 | 2.127 0.016 | 2.178 0.014 | 2.108 0.010 | 2.240 0.027 | 2.236 0.008 | 2.252 0.009 | 2.124 0.035 | 2.236 0.016 | 2.180 0.015 |
| 1961 | 2.319 0.008 | 2.349 0.013 | 2.366 0.008 | 2.329 0.014 | 2.402 0.013 | 2.394 0.008 | 2.276 0.025 | 2.341 0.010 | 2.338 0.008 | 2.419 0.032 | 2.525 0.014 | 2.551 0.016 | 2.384 0.024 |
| 1962 | 2.5700.012 | 2.5190.025 | 2.5380.021 | 2.4850.021 | 2.5220.008 | 2.5270.015 | 2.5280.015 | 2.5280.016 | 2.4940.008 | 2.4910.024 | 2.5260.024 | 2.5680.016 | 2.5250.008 |
| 1963 | 2.6400.021 | 2.6940.024 | 2.6610.014 | 2.6590.019 | 2.6170.019 | 2.6300.028 | 2.6130.018 | 2.5940.013 | 2.5500.026 | 2.5950.015 | 2.6370.018 | 2.6690.015 | 2.6300.011 |
| 1964 | 2.632 0.010 | 2.677 0.009 | 2.683 0.007 | 2.703 0.008 | 2.749 0.009 | 2.720 0.018 | 2.735 0.020 | 2.746 0.010 | 2.756 0.012 | 2.774 0.013 | 2.754 0.009 | 2.802 0.012 | 2.728 0.014 |
| 1965 | 2.833 0.018 | 2.824 0.009 | 2.851 0.008 | 2.845 0.007 | 2.851 0.010 | 2.806 0.007 | 2.813 0.010 | 2.802 0.010 | 2.782 0.011 | 2.736 0.007 | 2.777 0.011 | 2.799 0.008 | 2.810 0.010 |
| 1966 | 2.787 0.010 | 2.731 0.013 | 2.767 0.019 | 2.717 0.013 | 2.750 0.010 | 2.710 0.013 | 2.696 0.009 | 2.694 0.011 | 2.553 0.020 | 2.591 0.012 | 2.643 0.012 | 2.614 0.015 | 2.687 0.021 |
| 1967 | 2.506 0.015 | 2.492 0.017 | 2.444 0.016 | 2.514 0.026 | 2.555 0.016 | 2.511 0.011 | 2.559 0.013 | 2.484 0.011 | 2.477 0.008 | 2.512 0.013 | 2.473 0.011 | 2.482 0.009 | 2.501 0.010 |
| 1968 | 2.502 0.011 | 2.484 0.015 | 2.456 0.016 | 2.471 0.010 | 2.458 0.010 | 2.350 0.010 | 2.360 0.011 | 2.390 0.008 | 2.350 0.009 | 2.290 0.004 | 2.220 0.013 | 2.240 0.015 | 2.381 0.028 |
| 1969 | 2.340 0.018 | 2.390 0.012 | 2.320 0.018 | 2.320 0.016 | 2.210 0.009 | 2.170 0.011 | 2.210 0.007 | 2.240 0.006 | 2.260 0.012 | 2.310 0.024 | 2.250 0.028 | 2.300 0.017 | 2.277 0.018 |
| 1970 | 2.270 0.014 | 2.300 0.008 | 2.310 0.015 |  | 2.340 0.015 | 2.220 0.015 | 2.230 0.015 | 2.276 0.018 | 2.323 0.019 | 2.338 0.018 | 2.269 0.012 | 2.335 0.016 | 2.291 0.015 |
| 1971 | 2.338 0.014 | 2.424 0.009 | 2.448 0.012 | 2.443 0.016 | 2.456 0.013 | 2.534 0.015 | 2.527 0.012 | 2.567 0.014 | 2.598 0.011 | 2.612 0.015 | 2.632 0.017 | 2.630 0.012 | 2.517 0.027 |
| 1972 | 2.603 0.015 | 2.599 0.010 | 2.608 0.022 | 2.660 0.022 | 2.658 0.015 | 2.600 0.013 | 2.669 0.014 | 2.529 0.013 | 2.636 0.015 | 2.674 0.014 | 2.631 0.030 | 2.616 0.011 | 2.624 0.012 |
| 1973 | 2.611 0.010 | 2.691 0.009 | 2.649 0.012 | 2.604 0.010 | 2.487 0.020 | 2.570 0.005 | 2.573 0.012 | 2.654 0.015 | 2.656 0.009 | 2.694 0.012 | 2.668 0.008 | 2.682 0.009 | 2.628 0.018 |
| 1974 | 2.669 0.007 | 2.726 0.008 | 2.702 0.013 | 2.717 0.014 | 2.652 0.009 | 2.614 0.010 | 2.599 0.014 | 2.605 0.011 | 2.586 0.018 | 2.576 0.008 | 2.551 0.008 | 2.638 0.010 | 2.636 0.017 |
| 1975 | 2.617 0.011 | 2.649 0.009 | 2.678 0.011 | 2.729 0.010 | 2.731 0.010 | 2.756 0.008 | 2.722 0.010 | 2.702 0.009 | 2.707 0.010 | 2.716 0.011 | 2.706 0.010 | 2.700 0.012 | 2.701 0.011 |
| 1976 | 2.692 0.009 | 2.682 0.010 | 2.768 0.014 | 2.675 0.012 | 2.716 0.010 | 2.739 0.011 | 2.770 0.015 | 2.754 0.013 | 2.762 0.015 | 2.729 0.010 | 2.770 0.010 | 2.786 0.011 | 2.737 0.011 |
| 1977 | 2.741 0.008 | 2.763 0.012 | 2.755 0.009 | 2.817 0.010 | 2.803 0.013 | 2.732 0.011 | 2.711 0.015 | 2.721 0.011 | 2.698 0.011 | 2.720 0.011 | 2.789 0.013 | 2.737 0.012 | 2.749 0.011 |
| 1978 | 2.720 0.009 | 2.732 0.013 | 2.731 0.015 | 2.682 0.013 | 2.569 0.031 | 2.599 0.016 | 2.593 0.011 | 2.687 0.014 | 2.691 0.010 | 2.560 0.010 | 2.590 0.011 | 2.587 0.013 | 2.645 0.019 |
| 1979 | 2.574 0.012 | 2.551 0.015 | 2.532 0.013 | 2.402 0.015 | 2.414 0.018 | 2.287 0.010 | 2.362 0.014 | 2.275 0.021 | 2.262 0.018 | 2.303 0.012 | 2.320 0.012 | 2.383 0.009 | 2.389 0.032 |
| 1980 | 2.370 0.015 | 2.332 0.012 | 2.375 0.011 | 2.320 0.016 | 2.328 0.008 | 2.205 0.017 | 2.212 0.008 | 2.241 0.012 | 2.252 0.008 | 2.173 0.013 | 2.104 0.015 | 2.072 0.010 | 2.249 0.029 |
| 1981 | 2.201 0.006 | 2.144 0.009 | 2.139 0.014 | 2.116 0.010 | 2.079 0.019 | 2.156 0.014 | 2.187 0.011 | 2.177 0.009 | 2.232 0.009 | 2.150 0.016 | 2.122 0.012 | 2.229 0.010 | 2.161 0.013 |
| 1982 | 2.268 0.009 | 2.172 0.011 | 2.271 0.009 | 2.349 0.012 | 2.379 0.007 | 2.229 0.022 | 2.060 0.037 | 2.033 0.011 | 1.969 0.011 | 2.011 0.010 | 2.045 0.011 | 2.015 0.011 | 2.150 0.042 |
| 1983 | 2.069 0.014 | 2.136 0.010 | 2.218 0.011 | 2.250 0.011 | 2.110 0.009 | 2.168 0.009 | 2.258 0.013 | 2.269 0.010 | 2.272 0.012 | 2.317 0.012 | 2.345 0.010 | 2.329 0.007 | 2.228 0.026 |
| 1984 | 2.406 0.007 | 2.390 0.010 | 2.330 0.010 | 2.304 0.015 | 2.218 0.008 | 2.283 0.010 | 2.319 0.012 | 2.323 0.007 | 2.393 0.013 | 2.365 0.001 | 2.333 0.011 | 2.325 0.001 | 2.332 0.015 |
| 1985 | 2.325 0.008 | 2.364 0.008 | 2.384 0.010 | 2.435 0.010 | 2.449 0.010 | 2.509 0.007 | 2.512 0.008 | 2.502 0.006 | 2.561 0.006 | 2.577 0.009 | 2.609 0.008 | 2.596 0.007 | 2.485 0.027 |
| 1986 | 2.615 0.005 | 2.545 0.022 | 2.530 0.014 | 2.631 0.008 | 2.671 0.010 | 2.682 0.012 | 2.665 0.009 | 2.648 0.011 | 2.699 0.012 | 2.721 0.013 | 2.672 0.012 | 2.719 0.010 | 2.650 0.018 |
| 1987 | 2.740 0.010 | 2.799 0.013 | 2.828 0.009 | 2.787 0.017 | 2.721 0.010 | 2.725 0.010 | 2.649 0.009 | 2.656 0.013 | 2.581 0.014 | 2.623 0.015 | 2.542 0.010 | 2.540 0.010 | 2.683 0.029 |
| 1988 | 2.443 0.014 | 2.492 0.012 | 2.528 0.008 | 2.530 0.014 | 2.507 0.015 | 2.489 0.014 | 2.419 0.010 | 2.435 0.016 | 2.447 0.013 | 2.380 0.008 | 2.386 0.014 | 2.310 0.016 | 2.447 0.019 |
| 1989 | 2.201 0.009 | 2.238 0.008 | 2.097 0.028 | 2.066 0.015 | 1.983 0.012 | 2.016 0.011 | 2.090 0.012 | 2.070 0.016 | 1.952 0.017 | 1.904 0.023 | 1.848 0.018 | 1.905 0.008 | 2.031 0.034 |
| 1990 | 1.973 0.010 | 1.991 0.006 | 1.963 0.017 | 1.862 0.011 | 1.838 0.017 | 1.816 0.010 | 1.929 0.009 | 1.907 0.012 | 1.951 0.010 | 2.002 0.011 | 2.066 0.012 | 2.091 0.014 | 1.949 0.024 |
| 1991 | 2.136 0.017 | 2.186 0.025 | 1.941 0.005 | 1.981 0.025 | 2.030 0.014 | 1.673 0.048 | 1.748 0.018 | 1.874 0.026 | 1.992 0.015 | 2.081 0.012 | 2.066 0.028 | 2.154 0.014 | 1.989 0.046 |
| 1992 | 2.165 0.020 | 2.157 0.012 | 2.200 0.027 | 2.328 0.015 | 2.332 0.021 | 2.397 0.016 | 2.414 0.014 | 2.416 0.015 | 2.419 0.025 | 2.505 0.019 | 2.479 0.015 | 2.529 0.013 | 2.362 0.037 |
| 1993 | 2.488 0.013 | 2.529 0.012 | 2.490 0.016 | 2.499 0.010 | 2.541 0.007 | 2.588 0.006 | 2.618 0.014 | 2.607 0.015 | 2.636 0.013 | 2.663 0.015 | 2.615 0.015 | 2.696 0.016 | 2.581 0.020 |
| 1994 | 2.669 0.018 | 2.654 0.014 | 2.598 0.013 | 2.647 0.015 | 2.602 0.014 | 2.601 0.025 | 2.643 0.010 | 2.698 0.012 | 2.709 0.014 | 2.703 0.015 | 2.677 0.012 | 2.662 0.012 | 2.655 0.011 |
| 1995 | 2.687 0.020 | 2.714 0.014 | 2.685 0.016 | 2.809 0.016 | 2.761 0.019 | 2.705 0.015 | 2.700 0.016 | 2.703 0.011 | 2.758 0.014 | 2.745 0.014 | 2.756 0.022 | 2.768 0.014 | 2.731 0.012 |
| 1996 | 2.728 0.013 | 2.796 0.019 | 2.790 0.009 | 2.779 0.009 | 2.763 0.013 | 2.776 0.013 | 2.826 0.014 | 2.788 0.023 | 2.769 0.016 | 2.757 0.014 | 2.787 0.018 | 2.768 0.019 | 2.782 0.006 |
| 1997 | 2.746 0.018 | 2.763 0.018 | 2.748 0.017 | 2.786 0.012 | 2.789 0.016 | 2.795 0.016 | 2.758 0.011 | 2.789 0.017 | 2.756 0.011 | 2.789 0.016 | 2.744 0.020 | 2.691 0.016 | 2.764 0.009 |
| 1998 | 2.718 0.020 | 2.670 0.014 | 2.825 0.026 | 2.662 0.021 | 2.636 0.017 | 2.655 0.013 | 2.727 0.019 | 2.666 0.032 | 2.714 0.022 | 2.761 0.031 | 2.694 0.028 | 2.617 0.025 | 2.693 0.017 |
| 1999 | 2.566 0.024 | 2.582 0.027 | 2.579 0.020 | 2.587 0.017 | 2.540 0.018 | 2.565 0.024 | 2.636 0.018 | 2.576 0.024 | 2.493 0.022 | 2.459 0.030 | 2.365 0.025 | 2.354 0.016 | 2.521 0.027 |
| 2000 | 2.373 0.022 | 2.305 0.021 | 2.309 0.020 | 2.313 0.028 | 2.212 0.027 | 2.158 0.018 | 2.064 0.033 | 2.084 0.014 | 2.105 0.030 | 2.180 0.023 | 2.124 0.024 | 2.097 0.023 | 2.194 0.031 |
| 2001 | 2.207 0.021 | 2.271 0.025 | 2.363 0.021 | 2.188 0.034 | 2.258 0.026 | 2.290 0.036 | 2.332 0.018 | 2.272 0.035 | 2.274 0.029 | 2.192 0.019 | 2.342 0.021 | 2.364 0.028 | 2.279 0.018 |
| 2002 | 2.204 0.018 | 2.331 0.030 | 2.269 0.022 | 2.224 0.029 | 2.271 0.026 | 2.301 0.030 | 2.271 0.039 | 2.161 0.028 | 2.264 0.019 | 2.338 0.019 | 2.223 0.025 | 2.243 0.022 | 2.258 0.015 |
| 2003 | 2.288 0.033 | 2.320 0.030 | 2.289 0.023 | 2.264 0.019 | 2.263 0.036 | 2.149 0.023 | 2.210 0.017 | 2.298 0.014 | 2.301 0.022 | 2.268 0.045 | 2.038 0.029 | 2.169 0.017 | 2.231 0.024 |
| 2004 | 2.266 0.028 | 2.298 0.025 | 2.387 0.010 | 2.408 0.017 | 2.503 0.017 | 2.506 0.014 | 2.465 0.027 | 2.485 0.023 | 2.545 0.036 | 2.600 0.032 | 2.502 0.030 | 2.478 0.016 | 2.454 0.028 |
| 2005 | 2.343 0.040 | 2.454 0.020 | 2.513 0.021 | 2.522 0.020 | 2.508 0.032 | 2.543 0.014 | 2.574 0.033 | 2.514 0.024 | 2.358 0.051 | 2.533 0.019 | 2.604 0.014 | 2.611 0.020 | 2.506 0.024 |
| 2006 | 2.576 0.010 | 2.717 0.020 | 2.728 0.025 | 2.787 0.026 | 2.766 0.015 | 2.791 0.019 | 2.722 0.013 | 2.750 0.023 | 2.679 0.012 | 2.759 0.006 | 2.718 0.022 | 2.667 0.036 | 2.722 0.017 |
| 2007 | 2.761 0.024 | 2.698 0.018 | 2.771 0.021 | 2.7910.023 | 2.8190.019 | 2.8120.017 | 2.8160.022 | 2.8350.008 | 2.8990.022 | 2.8470.019 | 2.8690.017 | 2.7610.030 | 2.8070.016 |
| 2008 | 2.8180.019 | 2.7920.022 | 2.8480.023 | 2.8820.018 | 2.8820.025 | 2.8610.029 | 2.9040.022 | 2.8910.020 | 2.8770.015 | 2.8640.022 | 2.9830.026 | 2.9480.025 | 2.8790.015 |
| 2009 | 2.9760.040 | 2.9820.024 | 3.0650.031 | 3.0310.012 | 3.0270.036 | 3.0900.031 | 3.1340.028 | 2.9780.028 | 3.0400.038 | 3.0490.025 | 2.9550.020 | 2.9680.025 | 3.0250.016 |
| 2010 | 2.9980.023 | 2.9690.029 | 2.9310.033 | 2.9040.021 | 2.9030.018 | 2.8850.031 | 2.8990.025 | 2.8700.015 | 2.7940.012 | 2.8030.019 | 2.7420.021 | 2.8160.028 | 2.8760.022 |
| 2011 | 2.7770.022 | 2.7960.028 | 2.6950.020 | 2.5910.016 | 2.6760.009 | 2.6330.032 | 2.6330.014 | 2.6110.017 | 2.5390.026 | 2.5850.023 | 2.5900.018 | 2.5990.015 | 2.6440.023 |
| 2012 | 2.6100.032 | 2.5530.021 | 2.4080.042 | 2.5590.027 | 2.5370.013 | 2.4900.016 | 2.4310.039 | 2.3870.014 | 2.4380.015 | 2.4450.020 | 2.4210.018 | 2.4820.014 | 2.4800.020 |
| 2013 | 2.4740.009 | 2.5120.013 | 2.4590.020 | 2.5050.018 | 2.3800.024 | 2.3800.022 | 2.3360.024 | 2.3170.018 | 2.3020.016 | 2.3830.043 | 2.4030.011 | 2.4160.015 | 2.4060.020 |
| 2014 | 2.4100.021 | 2.3170.025 | 2.3370.016 | 2.3760.028 | 2.4510.017 | 2.3480.015 | 2.3650.017 | 2.4540.028 | 2.4790.034 | 2.4490.029 | 2.4140.026 | 2.3490.037 | 2.3960.016 |
| 2015 | 2.3940.026 | 2.3940.013 | 2.4120.030 | 2.4530.051 | 2.4080.032 | 2.5190.046 | 2.5440.022 | 2.5320.012 | 2.5380.027 | 2.5030.015 | 2.4940.023 | 2.6140.036 | 2.4840.021 |
| 2016 | 2.7710.017 | 2.7830.012 | 2.7670.029 | 2.7790.015 | 2.7720.022 | 2.8090.027 | 2.7670.025 | 2.8480.015 | 2.8220.022 | 2.8760.018 | 2.9890.028 | 2.8370.027 | 2.8180.019 |
| 2017 | 2.9540.021 | 2.9650.029 | 3.0300.019 | 2.9340.019 | 2.9030.017 | 2.9310.016 | 2.9340.019 | 2.8760.027 | 2.8430.046 | 2.8750.018 | 3.0220.030 | 3.0480.035 | 2.9430.019 |
| 2018 | 2.9920.024 | 2.9980.018 | 2.9140.022 | 2.9480.018 | 2.9970.026 | 3.0780.018 | 3.0130.027 | 3.0010.016 | 2.9610.024 | 2.9850.018 | 2.9490.016 | 2.9610.013 | 2.9830.012 |
| 2019 | 3.0140.019 | 2.9540.026 | 2.9680.023 | 3.0380.013 | 2.9550.026 | 2.9740.015 | 2.9930.027 | 2.9780.030 | 3.1040.024 | 3.0150.023 | 3.0640.035 | 2.8520.034 | 2.9920.018 |
| 2020 | 2.8950.025 | 2.9390.026 | 3.0700.012 |  | 3.0910.083 | 2.9240.028 | 3.0220.017 | 2.9420.013 | 2.9640.028 | 3.0080.029 | 2.9290.024 | 2.9200.036 | 2.9730.019 |
| 2021 | 2.9170.015 | 2.8350.018 | 2.8960.013 | 2.9840.011 | 2.9450.032 | 2.9190.021 | 2.8560.014 | 3.0240.018 | 2.8650.021 | 2.9200.048 | 2.8720.031 | 2.8930.009 | 2.9110.0543 |
| 2022 | 2.8710.024 | 2.9200.015 | 2.8890.023 | 2.9380.038 | 2.7740.015 | 2.7110.029 | 2.7670.038 | 2.6400.016 | 2.6560.031 | 2.7000.020 |  |  |  |

**Таблица 5.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Алма-Ата, Казахстан (*Rc* = 6.7 ГВ) в период 03.1962–04.1993

**Table 5.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Alma-Ata station, Kazakhstan (*Rc* = 6.7 GV) in the period of 03.1962–04.1993

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1962 |  |  | 1.627 0.012 | 1.613 0.012 | 1.627 0.022 | 1.597 0.012 | 1.637 0.008 | 1.622 0.006 | 1.677 0.015 | 1.697 0.011 | 1.742 0.015 | 1.712 0.008 | 1.655 0.015 |
| 1963 | 1.726 0.014 | 1.733 0.007 | 1.712 0.001 | 1.696 0.006 | 1.657 0.009 | 1.646 0.006 | 1.664 0.001 | 1.645 0.013 | 1.638 0.014 | 1.633 0.007 | 1.624 0.009 | 1.644 0.007 | 1.671 0.013 |
| 1964 | 1.665 0.008 | 1.668 0.005 | 1.682 0.005 | 1.682 0.006 | 1.672 0.004 | 1.650 0.008 | 1.659 0.010 | 1.675 0.004 | 1.665 0.002 | 1.672 0.008 | 1.696 0.008 | 1.705 0.005 | 1.674 0.004 |
| 1965 | 1.703 0.002 | 1.709 0.005 | 1.709 0.006 | 1.699 0.008 | 1.691 0.007 | 1.702 0.007 | 1.686 0.011 | 1.656 0.008 | 1.672 0.006 | 1.661 0.006 | 1.670 0.009 | 1.682 0.004 | 1.687 0.005 |
| 1966 | 1.660 0.011 | 1.674 0.009 | 1.659 0.011 | 1.669 0.008 | 1.684 0.008 | 1.642 0.011 | 1.658 0.007 | 1.648 0.010 | 1.610 0.016 | 1.635 0.008 | 1.652 0.006 | 1.642 0.008 | 1.653 0.006 |
| 1967 | 1.638 0.010 | 1.637 0.009 | 1.633 0.006 | 1.634 0.008 | 1.614 0.009 | 1.595 0.008 | 1.620 0.013 | 1.619 0.009 | 1.611 0.007 | 1.626 0.013 | 1.604 0.008 | 1.628 0.006 | 1.627 0.007 |
| 1968 | 1.623 0.007 | 1.616 0.008 | 1.633 0.007 | 1.634 0.007 | 1.617 0.008 | 1.600 0.014 | 1.540 0.011 | 1.590 0.008 | 1.580 0.012 | 1.569 0.007 | 1.580 0.010 | 1.570 0.012 | 1.596 0.008 |
| 1969 | 1.615 0.007 | 1.605 0.010 | 1.595 0.010 | 1.580 0.009 | 1.550 0.007 | 1.530 0.010 | 1.530 0.008 | 1.570 0.007 | 1.640 0.018 | 1.630 0.007 | 1.630 0.012 | 1.624 0.011 | 1.591 0.011 |
| 1970 | 1.630 0.013 | 1.570 0.009 | 1.580 0.007 |  | 1.550 0.006 | 1.530 0.007 | 1.573 0.011 | 1.570 0.008 | 1.583 0.009 | 1.611 0.009 | 1.576 0.010 | 1.618 0.008 | 1.576 0.009 |
| 1971 | 1.606 0.009 | 1.632 0.008 | 1.609 0.008 | 1.588 0.008 | 1.599 0.006 | 1.598 0.007 | 1.607 0.006 | 1.626 0.007 | 1.631 0.006 | 1.633 0.006 | 1.625 0.009 | 1.609 0.005 | 1.614 0.004 |
| 1972 | 1.620 0.007 | 1.627 0.007 | 1.652 0.005 | 1.626 0.004 | 1.641 0.007 | 1.612 0.006 | 1.642 0.005 | 1.601 0.008 | 1.613 0.006 | 1.606 0.006 | 1.608 0.009 | 1.599 0.005 | 1.621 0.005 |
| 1973 | 1.624 0.007 | 1.596 0.008 | 1.603 0.006 | 1.574 0.008 | 1.549 0.010 | 1.568 0.007 | 1.606 0.008 | 1.615 0.006 | 1.621 0.009 | 1.599 0.006 | 1.599 0.007 | 1.612 0.008 | 1.597 0.007 |
| 1974 | 1.613 0.004 | 1.612 0.005 | 1.593 0.005 | 1.596 0.009 | 1.561 0.008 | 1.566 0.007 | 1.534 0.010 | 1.576 0.006 | 1.549 0.009 | 1.565 0.007 | 1.553 0.008 | 1.572 0.008 | 1.574 0.007 |
| 1975 | 1.586 0.009 | 1.610 0.006 | 1.612 0.005 | 1.609 0.006 | 1.617 0.005 | 1.635 0.005 | 1.642 0.010 | 1.645 0.007 | 1.613 0.004 | 1.594 0.005 | 1.598 0.008 | 1.595 0.006 | 1.613 0.006 |
| 1976 | 1.609 0.009 | 1.626 0.007 | 1.613 0.006 | 1.609 0.006 | 1.605 0.005 | 1.610 0.006 | 1.602 0.005 | 1.600 0.005 | 1.629 0.006 | 1.622 0.005 | 1.639 0.006 | 1.621 0.005 | 1.615 0.003 |
| 1977 | 1.626 0.005 | 1.617 0.006 | 1.625 0.006 | 1.621 0.005 | 1.641 0.004 | 1.625 0.007 | 1.605 0.006 | 1.629 0.004 | 1.616 0.005 | 1.631 0.004 | 1.628 0.006 | 1.626 0.004 | 1.624 0.003 |
| 1978 | 1.593 0.006 | 1.618 0.003 | 1.617 0.007 | 1.602 0.007 | 1.590 0.012 | 1.590 0.005 | 1.602 0.005 | 1.606 0.004 | 1.609 0.005 | 1.594 0.003 | 1.590 0.003 | 1.565 0.004 | 1.598 0.004 |
| 1979 | 1.583 0.004 | 1.581 0.004 | 1.576 0.004 | 1.548 0.006 | 1.551 0.004 | 1.548 0.003 | 1.515 0.007 | 1.533 0.009 | 1.518 0.007 | 1.544 0.006 | 1.563 0.005 | 1.575 0.005 | 1.553 0.007 |
| 1980 | 1.564 0.004 | 1.557 0.006 | 1.566 0.005 | 1.561 0.007 | 1.578 0.008 | 1.533 0.004 | 1.546 0.004 | 1.537 0.007 | 1.576 0.004 | 1.542 0.005 | 1.518 0.008 | 1.524 0.008 | 1.550 0.006 |
| 1981 | 1.531 0.005 | 1.540 0.004 | 1.505 0.007 | 1.510 0.007 | 1.473 0.009 | 1.520 0.005 | 1.540 0.005 | 1.537 0.007 | 1.576 0.006 | 1.531 0.010 | 1.528 0.008 | 1.535 0.005 | 1.527 0.007 |
| 1982 | 1.567 0.006 | 1.518 0.006 | 1.546 0.004 | 1.544 0.005 | 1.551 0.005 | 1.507 0.008 | 1.457 0.015 | 1.457 0.005 | 1.431 0.004 | 1.454 0.010 | 1.471 0.006 | 1.453 0.005 | 1.496 0.014 |
| 1983 | 1.506 0.006 | 1.504 0.004 | 1.523 0.005 | 1.527 0.004 | 1.503 0.006 | 1.531 0.005 | 1.540 0.005 | 1.543 0.005 | 1.567 0.004 | 1.567 0.005 | 1.554 0.004 | 1.553 0.004 | 1.535 0.007 |
| 1984 | 1.574 0.007 | 1.578 0.004 | 1.568 0.004 | 1.552 0.006 | 1.493 0.008 | 1.483 0.005 | 1.493 0.007 | 1.508 0.010 | 1.531 0.008 | 1.536 0.005 | 1.543 0.008 | 1.545 0.004 | 1.534 0.009 |
| 1985 | 1.562 0.006 | 1.537 0.006 | 1.547 0.007 | 1.558 0.005 | 1.573 0.005 | 1.566 0.004 | 1.562 0.008 | 1.570 0.018 | 1.576 0.007 | 1.591 0.005 | 1.584 0.003 | 1.591 0.004 | 1.568 0.005 |
| 1986 | 1.604 0.005 | 1.587 0.005 | 1.598 0.005 | 1.597 0.005 | 1.608 0.005 | 1.635 0.007 | 1.630 0.007 | 1.657 0.004 | 1.631 0.006 | 1.646 0.004 | 1.623 0.005 | 1.640 0.004 | 1.621 0.006 |
| 1987 | 1.658 0.006 | 1.677 0.005 | 1.672 0.004 | 1.666 0.006 | 1.643 0.008 | 1.639 0.005 | 1.639 0.005 | 1.631 0.007 | 1.629 0.004 | 1.627 0.005 | 1.589 0.007 | 1.607 0.005 | 1.640 0.008 |
| 1988 | 1.581 0.004 | 1.591 0.007 | 1.591 0.004 | 1.593 0.008 | 1.596 0.007 | 1.600 0.009 | 1.581 0.007 | 1.572 0.005 | 1.568 0.005 | 1.568 0.005 | 1.558 0.009 | 1.545 0.007 | 1.579 0.005 |
| 1989 | 1.523 0.007 | 1.532 0.005 | 1.451 0.013 | 1.464 0.008 | 1.442 0.005 | 1.452 0.007 | 1.459 0.007 | 1.460 0.006 | 1.432 0.008 | 1.399 0.008 | 1.403 0.010 | 1.415 0.008 | 1.453 0.012 |
| 1990 | 1.454 0.005 | 1.463 0.006 | 1.430 0.008 | 1.401 0.080 | 1.380 0.008 | 1.385 0.007 | 1.424 0.010 | 1.430 0.009 | 1.420 0.010 | 1.478 0.007 |  | 1.526 0.034 | 1.436 0.014 |
| 1991 | 1.536 0.013 | 1.557 0.017 | 1.438 0.023 | 1.435 0.013 | 1.455 0.015 | 1.294 0.026 | 1.291 0.008 | 1.416 0.016 | 1.438 0.011 | 1.471 0.018 | 1.485 0.014 |  | 1.438 0.024 |
| 1992 |  | 1.492 0.016 |  | 1.587 0.022 |  |  | 1.660 0.023 |  | 1.604 0.008 | 1.547 0.019 |  |  | 1.578 0.026 |
| 1993 |  |  | 1.619 0.024 | 1.605 0.019 |  |  |  |  |  |  |  |  | 1.612 0.007 |

**Таблица 6.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Мирный, Антарктида (*Rc* = 0.03 ГВ) в период 03.1963–12.2015

**Table 6.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Mirny station, Antarctica (*Rc* = 0.03 GV) in the period of 03.1963–12.2015

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1963 |  |  | 2.985 0.013 | 3.000 0.009 | 2.968 0.018 | 3.080 0.015 | 3.052 0.018 | 2.990 0.014 | 2.967 0.020 | 3.030 0.019 | 3.027 0.013 | 3.067 0.011 | 3.017 0.013 |
| 1964 | 3.068 0.024 | 3.123 0.025 | 3.110 0.013 | 3.132 0.016 | 3.187 0.014 | 3.075 0.009 | 3.200 0.020 | 3.245 0.010 | 3.241 0.010 | 3.231 0.008 | 3.245 0.010 | 3.306 0.010 | 3.180 0.022 |
| 1965 | 3.331 0.007 | 3.335 0.013 | 3.392 0.011 | 3.439 0.014 | 3.460 0.010 | 3.339 0.022 | 3.340 0.008 | 3.322 0.007 | 3.298 0.006 | 3.321 0.012 | 3.368 0.010 | 3.403 0.011 | 3.362 0.015 |
| 1966 | 3.333 0.019 | 3.302 0.013 | 3.210 0.028 | 3.191 0.017 | 3.252 0.016 | 3.277 0.021 | 3.136 0.018 | 3.048 0.015 | 2.888 0.025 | 2.983 0.016 | 3.026 0.008 | 2.985 0.017 | 3.138 0.042 |
| 1967 | 2.916 0.014 | 2.841 0.020 | 2.940 0.018 | 2.978 0.016 | 2.911 0.023 | 2.885 0.016 | 2.946 0.018 | 2.830 0.010 | 2.833 0.009 | 2.847 0.013 | 2.800 0.017 | 2.764 0.011 | 2.874 0.019 |
| 1968 | 2.778 0.011 | 2.792 0.015 | 2.768 0.010 | 2.807 0.015 | 2.721 0.014 | 2.620 0.017 | 2.590 0.022 | 2.630 0.009 | 2.570 0.011 | 2.480 0.019 | 2.350 0.022 | 2.410 0.015 | 2.626 0.044 |
| 1969 | 2.510 0.009 | 2.530 0.012 | 2.500 0.016 | 2.520 0.023 | 2.390 0.011 | 2.340 0.021 | 2.330 0.008 | 2.390 0.007 | 2.400 0.011 | 2.430 0.008 | 2.433 0.019 | 2.468 0.010 | 2.437 0.020 |
| 1970 | 2.460 0.011 | 2.458 0.009 | 2.400 0.016 | 2.387 0.012 | 2.392 0.009 | 2.325 0.015 | 2.287 0.015 | 2.289 0.017 | 2.389 0.010 | 2.452 0.011 | 2.377 0.012 | 2.463 0.013 | 2.390 0.018 |
| 1971 | 2.509 0.024 | 2.523 0.011 | 2.523 0.010 | 2.561 0.014 | 2.582 0.014 | 2.723 0.023 | 2.765 0.016 | 2.804 0.013 | 2.791 0.020 | 2.879 0.025 | 2.915 0.029 | 2.885 0.034 | 2.705 0.045 |
| 1972 | 3.001 0.025 | 3.038 0.017 | 3.097 0.013 | 3.175 0.011 | 3.183 0.013 | 3.037 0.017 | 3.078 0.017 | 2.796 0.037 | 3.005 0.019 | 3.110 0.011 | 3.087 0.036 | 3.142 0.009 | 3.062 0.030 |
| 1973 | 3.157 0.017 | 3.186 0.022 | 3.099 0.013 | 2.941 0.016 | 2.817 0.025 | 2.980 0.017 | 3.047 0.014 | 3.058 0.021 | 3.143 0.015 | 3.160 0.014 | 3.211 0.011 | 3.216 0.011 | 3.085 0.035 |
| 1974 | 3.213 0.011 | 3.249 0.016 | 3.215 0.016 | 3.149 0.011 | 3.042 0.014 | 2.984 0.013 | 2.835 0.018 | 2.922 0.017 | 2.889 0.024 | 2.843 0.009 | 2.863 0.009 | 2.958 0.008 | 3.014 0.045 |
| 1975 | 2.983 0.016 | 3.067 0.006 | 3.103 0.005 | 3.151 0.010 | 3.190 0.009 | 3.210 0.010 | 3.220 0.008 | 3.196 0.007 | 3.230 0.008 | 3.227 0.007 | 3.149 0.009 | 3.182 0.008 | 3.159 0.022 |
| 1976 | 3.179 0.006 | 3.172 0.007 | 3.170 0.021 | 3.110 0.023 | 3.175 0.012 | 3.233 0.011 | 3.272 0.010 | 3.297 0.009 | 3.295 0.015 | 3.314 0.009 | 3.309 0.010 | 3.288 0.009 | 3.235 0.020 |
| 1977 | 3.275 0.011 | 3.269 0.010 | 3.306 0.011 | 3.270 0.009 | 3.269 0.008 | 3.265 0.012 | 3.174 0.009 | 3.192 0.011 | 3.182 0.023 | 3.225 0.007 | 3.281 0.012 | 3.271 0.010 | 3.248 0.013 |
| 1978 | 3.154 0.018 | 3.131 0.022 | 3.048 0.023 | 2.937 0.024 | 2.720 0.046 | 2.875 0.020 | 2.840 0.017 | 2.997 0.007 | 3.030 0.018 | 2.889 0.011 | 2.941 0.014 | 2.950 0.015 | 2.959 0.035 |
| 1979 | 2.879 0.013 | 2.872 0.020 | 2.795 0.013 | 2.646 0.019 | 2.680 0.018 | 2.562 0.013 | 2.523 0.019 | 2.440 0.029 | 2.406 0.025 | 2.480 0.017 | 2.492 0.018 | 2.559 0.010 | 2.611 0.047 |
| 1980 | 2.518 0.011 | 2.511 0.012 | 2.565 0.007 | 2.498 0.020 | 2.516 0.008 | 2.358 0.012 | 2.332 0.010 | 2.327 0.006 | 2.339 0.007 | 2.255 0.008 | 2.164 0.009 | 2.193 0.012 | 2.381 0.040 |
| 1981 | 2.274 0.007 | 2.242 0.010 | 2.213 0.014 | 2.187 0.010 | 2.092 0.019 | 2.253 0.007 | 2.280 0.013 | 2.290 0.012 | 2.337 0.009 | 2.242 0.018 | 2.249 0.011 | 2.353 0.011 | 2.251 0.020 |
| 1982 | 2.440 0.012 | 2.309 0.014 | 2.426 0.012 | 2.483 0.011 | 2.527 0.009 | 2.350 0.029 | 2.184 0.042 | 2.152 0.011 | 2.072 0.015 | 2.109 0.007 | 2.122 0.010 | 2.062 0.011 | 2.270 0.050 |
| 1983 | 2.151 0.014 | 2.253 0.017 | 2.340 0.007 | 2.351 0.011 | 2.254 0.011 | 2.309 0.010 | 2.415 0.013 | 2.456 0.013 | 2.500 0.008 | 2.513 0.007 | 2.528 0.009 | 2.528 0.006 | 2.383 0.036 |
| 1984 | 2.580 0.010 | 2.577 0.013 | 2.504 0.011 | 2.436 0.017 | 2.382 0.009 | 2.491 0.008 | 2.526 0.008 | 2.572 0.007 | 2.606 0.009 | 2.606 0.007 | 2.588 0.008 | 2.616 0.007 | 2.540 0.021 |
| 1985 | 2.634 0.011 | 2.691 0.010 | 2.713 0.009 | 2.755 0.015 | 2.768 0.017 | 2.837 0.010 | 2.848 0.012 | 2.875 0.009 | 2.953 0.012 | 2.971 0.009 | 3.008 0.006 | 2.977 0.010 | 2.836 0.036 |
| 1986 | 2.989 0.010 | 2.810 0.032 | 2.872 0.012 | 2.995 0.011 | 3.043 0.009 | 3.101 0.008 | 3.097 0.010 | 3.098 0.009 | 3.138 0.010 | 3.161 0.007 | 3.085 0.013 | 3.183 0.010 | 3.048 0.033 |
| 1987 | 3.248 0.008 | 3.323 0.011 | 3.321 0.010 | 3.311 0.007 | 3.279 0.014 | 3.195 0.011 | 3.155 0.010 | 3.070 0.012 | 2.987 0.009 | 2.992 0.010 | 2.928 0.010 | 2.922 0.011 | 3.144 0.045 |
| 1988 | 2.793 0.017 | 2.824 0.016 | 2.844 0.009 | 2.818 0.013 | 2.829 0.012 | 2.807 0.009 | 2.736 0.011 | 2.731 0.015 | 2.749 0.011 | 2.719 0.011 | 2.657 0.010 | 2.549 0.025 | 2.755 0.025 |
| 1989 | 2.443 0.009 | 2.451 0.014 | 2.281 0.024 | 2.230 0.008 | 2.156 0.016 | 2.117 0.015 | 2.226 0.010 | 2.198 0.018 | 2.051 0.020 | 2.013 0.020 | 1.934 0.015 | 1.969 0.010 | 2.172 0.049 |
| 1990 | 2.040 0.009 | 2.083 0.012 | 2.052 0.019 | 1.926 0.013 | 1.902 0.020 | 1.887 0.013 | 1.963 0.008 | 1.861 0.018 | 2.000 0.006 | 2.060 0.009 | 2.121 0.010 | 2.138 0.009 | 2.003 0.027 |
| 1991 | 2.210 0.011 | 2.237 0.009 | 2.052 0.031 | 2.071 0.020 | 2.113 0.018 | 1.708 0.033 | 1.744 0.025 | 1.916 0.010 | 2.055 0.019 | 2.143 0.013 | 2.194 0.019 | 2.222 0.014 | 2.055 0.052 |
| 1992 | 2.265 0.032 | 2.214 0.012 | 2.261 0.029 | 2.432 0.015 | 2.394 0.016 |  | 2.631 0.023 | 2.698 0.024 | 2.707 0.034 | 2.693 0.024 | 2.690 0.020 | 2.698 0.032 | 2.516 0.061 |
| 1993 | 2.786 0.015 | 2.778 0.016 | 2.699 0.020 | 2.787 0.022 | 2.861 0.015 | 2.877 0.019 | 2.949 0.030 | 2.911 0.015 | 3.004 0.002 | 3.046 0.020 | 3.065 0.030 | 2.965 0.020 | 2.894 0.034 |
| 1994 | 3.047 0.023 | 2.940 0.013 | 2.907 0.016 | 2.877 0.018 | 2.906 0.026 | 2.928 0.021 | 3.049 0.025 | 3.134 0.024 | 3.188 0.024 | 3.137 0.016 | 3.170 0.017 | 3.122 0.016 | 3.034 0.034 |
| 1995 | 3.174 0.023 | 3.131 0.014 | 3.191 0.017 | 3.155 0.026 | 3.204 0.023 | 3.170 0.015 | 3.245 0.023 | 3.155 0.011 | 3.336 0.035 | 3.224 0.037 | 3.235 0.030 | 3.273 0.022 | 3.206 0.018 |
| 1996 | 3.225 0.022 | 3.241 0.050 | 3.226 0.034 | 3.148 0.046 |  |  | 3.348 0.026 | 3.329 0.023 | 3.282 0.025 | 3.252 0.020 | 3.232 0.024 | 3.261 0.015 | 3.260 0.019 |
| 1997 | 3.240 0.021 | 3.290 0.022 | 3.344 0.024 | 3.282 0.020 | 3.363 0.030 | 3.303 0.029 | 3.280 0.010 | 3.337 0.028 | 3.395 0.030 | 3.291 0.022 | 3.319 0.048 | 3.244 0.036 | 3.313 0.013 |
| 1998 | 3.298 0.025 | 3.289 0.026 | 3.252 0.034 | 3.144 0.027 | 2.985 0.023 | 2.975 0.017 | 3.050 0.018 | 3.008 0.029 | 3.035 0.027 | 3.104 0.015 | 3.055 0.027 | 2.986 0.017 | 3.080 0.032 |
| 1999 | 2.938 0.022 | 2.881 0.037 | 2.903 0.019 | 2.925 0.020 | 2.854 0.017 | 2.935 0.048 | 2.949 0.036 | 2.892 0.033 | 2.726 0.018 | 2.612 0.015 | 2.575 0.012 | 2.537 0.014 | 2.799 0.047 |
| 2000 | 2.557 0.021 | 2.441 0.019 | 2.389 0.011 | 2.415 0.017 | 2.307 0.026 | 2.232 0.013 | 2.103 0.038 | 2.164 0.019 | 2.234 0.012 | 2.251 0.025 | 2.200 0.043 | 2.124 0.028 | 2.285 0.040 |
| 2001 | 2.146 0.021 | 2.288 0.023 | 2.369 0.021 | 2.220 0.033 | 2.318 0.018 | 2.266 0.030 | 2.391 0.018 | 2.359 0.027 | 2.288 0.017 | 2.211 0.035 | 2.272 0.032 | 2.352 0.013 | 2.290 0.021 |
| 2002 | 2.263 0.021 | 2.354 0.028 | 2.373 0.034 | 2.348 0.029 | 2.385 0.019 | 2.406 0.020 | 2.404 0.019 | 2.283 0.018 | 2.319 0.017 | 2.402 0.023 | 2.298 0.016 | 2.357 0.020 | 2.349 0.014 |
| 2003 | 2.387 0.013 | 2.396 0.021 | 2.385 0.018 | 2.295 0.014 | 2.383 0.015 | 2.258 0.016 | 2.355 0.028 | 2.390 0.015 | 2.407 0.020 | 2.389 0.032 | 2.182 0.029 | 2.299 0.020 | 2.344 0.020 |
| 2004 | 2.334 0.022 | 2.429 0.030 | 2.561 0.009 | 2.606 0.021 | 2.667 0.023 | 2.684 0.022 |  |  |  |  |  |  | 2.547 0.057 |
| 2005 | 2.328 0.091 | 2.650 0.027 | 2.669 0.014 | 2.753 0.014 | 2.646 0.023 | 2.742 0.024 | 2.764 0.043 | 2.754 0.034 | 2.684 0.050 | 2.780 0.026 | 2.840 0.019 | 2.762 0.030 | 2.698 0.038 |
| 2006 | 2.846 0.019 | 2.873 0.054 | 2.997 0.021 | 3.019 0.018 | 3.019 0.037 | 3.026 0.036 | 3.076 0.021 | 3.115 0.024 | 3.166 0.050 | 3.053 0.024 | 3.168 0.017 | 3.033 0.044 | 3.033 0.038 |
| 2007 | 3.206 0.028 | 3.166 0.019 | 3.173 0.015 | 3.1570.037 | 3.2900.008 | 3.2520.021 | 3.3430.022 | 3.2960.053 | 3.3200.026 | 3.3410.020 | 3.2870.023 | 3.3050.013 | 3.1780.094 |
| 2008 | 3.2320.040 | 3.2360.025 | 3.2560.031 | 3.2560.038 | 3.2780.017 | 3.2200.016 | 3.3180.020 | 3.3400.016 | 3.4220.026 | 3.4630.027 | 3.4470.014 | 3.4500.016 | 3.3270.027 |
| 2009 | 3.4930.022 | 3.4690.013 | 3.5690.018 | 3.6230.019 | 3.6340.024 | 3.6670.028 | 3.6960.027 | 3.5880.033 | 3.6690.029 | 3.6390.027 | 3.6710.027 | 3.6790.021 | 3.6160.021 |
| 2010 | 3.5220.021 | 3.4700.021 | 3.3570.022 | 3.2390.015 | 3.3320.014 | 3.2250.021 | 3.2580.014 | 3.1820.018 | 3.2120.013 | 3.2140.022 | 3.2260.023 | 3.1910.018 | 3.2860.032 |
| 2011 | 3.2280.028 | 3.3000.028 | 3.1370.022 | 3.0460.025 | 3.0510.027 | 2.9280.021 | 2.9550.019 | 2.9820.027 | 2.9610.024 | 2.9430.023 | 2.9740.011 | 3.1000.015 | 3.0500.035 |
| 2012 | 2.8810.032 | 2.8280.039 | 2.6680.088 | 2.8450.030 | 2.8240.912 | 2.7380.024 | 2.6190.025 | 2.5800.024 | 2.6620.026 | 2.6080.024 | 2.6830.025 | 2.6670.024 | 2.7790.030 |
| 2013 | 2.6410.019 | 2.6570.013 | 2.5890.039 | 2.5770.021 | 2.4970.033 | 2.4790.051 | 2.5100.031 | 2.3670.020 | 2.5150.016 | 2.4930.021 | 2.4900.011 | 2.4720.014 | 2.5240.023 |
| 2014 | 2.5030.020 | 2.4610.038 | 2.4650.028 | 2.4600.017 | 2.5080.022 | 2.5170.023 | 2.5400.027 | 2.4990.020 | 2.5600.026 | 2.5770.018 | 2.6130.044 | 2.4730.031 | 2.5150.014 |
| 2015 | 2.5600.029 | 2.5010.020 | 2.4740.022 | 2.4160.012 | 2.5350.022 | 2.5700.036 | 2.6150.018 | 2.7090.024 | 2.6820.014 | 2.7150.014 | 2.7970.024 | 2.8000.019 | 2.6150.036 |
| 2016 | 2.8910.027 | 3.0130.013 | 3.0070.015 | 3.0070.019 | 3.0280.014 | 3.1320.029 | 3.0890.045 | 3.0990.021 | 3.1620.029 | 3.2040.012 | 3.2850.017 | 3.3190.014 | 3.1030.036 |
| 2017 | 3.3250.033 | 3.3790.030 | 3.3980.020 | 3.3670.039 | 3.5220.075 | 3.6180.043 | 3.7220.043 | 3.5060.048 | 3.3550.039 | 3.3520.018 | 3.4910.012 | 3.4810.020 | 3.4600.035 |
| 2018 | 3.5200.022 | 3.5170.029 | 3.5150.015 | 3.5210.026 | 3.5270.018 | 3.6370.032 | 3.6830.032 | 3.5670.019 | 3.5960.015 | 3.6180.016 | 3.6520.021 | 3.6140.025 | 3.5810.017 |
| 2019 | 3.6360.020 | 3.6550.010 | 3.7320.021 | 3.6970.012 | 3.5730.022 | 3.7160.019 | 3.6800.035 | 3.6300.025 | 3.6930.020 | 3.7100.018 | 3.7050.019 | 3.7010.016 | 3.6770.013 |
| 2020 | 3.7020.023 | 3.7000.010 | 3.7200.016 | 3.6360.016 | 3.6600.023 | 3.7970.032 |  |  |  |  |  |  | 3.7000.012 |
| 2021 | 3.6030.056 | 3.5250.028 | 3.5250.019 | 3.5730.022 | 3.6180.017 | 3.6010.022 | 3.5070.012 | 3.5760.024 | 3.5110.015 | 3.5240.018 | 3.4300.025 | 3.4620.028 | 3.5380.058 |
| 2022 | 3.4800.027 | 3.3940.024 | 3.3760.024 | 3.3180.013 | 3.2580.020 | 3.0600.059 | 3.1090.033 | 2.9380.021 | 2.9880.026 | 2.9820.019 |  |  |  |

**Таблица 7.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 в Симеизе, Крым (*Rc* = 5.9 ГВ) в период 03.1958–12.1961 и 03.1964–04.1970

**Table 7.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Simeiz, Crimea (*Rc* = 5.9 GV) in the period of 03.1958–12.1961 and 03.1964–04.1970

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1958 |  |  | 1.625 0.009 | 1.680 0.008 | 1.678 0.017 | 1.685 0.014 | 1.650 0.009 | 1.679 0.012 | 1.701 0.018 | 1.749 0.014 | 1.722 0.017 | 1.752 0.017 | 1.692 0.013 |
| 1959 | 1.750 0.014 | 1.684 0.014 | 1.672 0.009 | 1.702 0.007 | 1.633 0.013 | 1.661 0.009 | 1.545 0.025 | 1.573 0.017 | 1.634 0.014 | 1.683 0.008 | 1.659 0.007 | 1.649 0.009 | 1.654 0.016 |
| 1960 | 1.615 0.007 | 1.635 0.007 | 1.662 0.007 | 1.645 0.017 | 1.635 0.012 | 1.661 0.011 | 1.638 0.009 | 1.674 0.009 | 1.702 0.008 | 1.683 0.006 | 1.616 0.015 | 1.674 0.011 | 1.653 0.008 |
| 1961 | 1.710 0.015 | 1.714 0.016 | 1.706 0.010 | 1.710 0.012 | 1.730 0.012 | 1.705 0.013 | 1.631 0.018 | 1.688 0.009 | 1.717 0.013 | 1.765 0.011 | 1.803 0.008 | 1.801 0.005 | 1.723 0.014 |
| 1962 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1963 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1964 |  |  | 1.875 0.012 | 1.865 0.007 | 1.860 0.006 | 1.855 0.011 | 1.856 0.007 | 1.848 0.008 | 1.873 0.008 | 1.850 0.013 | 1.819 0.030 | 1.865 0.013 | 1.857 0.005 |
| 1965 | 1.861 0.015 | 1.897 0.009 |  |  |  |  | 1.894 0.006 | 1.877 0.010 | 1.812 0.029 | 1.848 0.007 | 1.881 0.013 | 1.932 0.025 | 1.875 0.015 |
| 1966 | 1.844 0.023 | 1.888 0.011 | 1.872 0.025 | 1.853 0.026 | 1.912 0.028 | 1.884 0.009 | 1.858 0.009 | 1.871 0.011 | 1.807 0.016 | 1.830 0.033 | 1.866 0.010 | 1.851 0.018 | 1.861 0.008 |
| 1967 | 1.827 0.012 | 1.767 0.006 | 1.821 0.005 | 1.833 0.026 | 1.810 0.018 | 1.814 0.012 | 1.848 0.018 | 1.805 0.009 | 1.826 0.023 | 1.799 0.012 | 1.752 0.008 | 1.786 0.011 | 1.807 0.008 |
| 1968 | 1.790 0.019 | 1.730 0.015 | 1.786 0.009 | 1.766 0.010 | 1.755 0.005 | 1.700 0.013 | 1.750 0.009 | 1.760 0.018 | 1.760 0.013 | 1.730 0.010 | 1.670 0.005 | 1.720 0.026 | 1.743 0.010 |
| 1969 | 1.704 0.017 | 1.751 0.009 | 1.757 0.015 | 1.720 0.005 | 1.680 0.012 | 1.670 0.018 | 1.730 0.010 | 1.740 0.013 | 1.752 0.009 | 1.782 0.008 | 1.776 0.018 | 1.795 0.012 | 1.738 0.011 |
| 1970 | 1.792 0.016 | 1.795 0.012 | 1.717 0.014 | 1.668 0.013 |  |  |  |  |  |  |  |  | 1.743 0.027 |

**Таблица 8.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 в Воейково, Ленинградская область (*Rc* = 1.7 ГВ) в период 11.1964–03.1970

**Table 8.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Voyeikovo, Leningrad region (*Rc* = 1.7 GV) in the period of 11.1964–03.1970

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1964 |  |  |  |  |  |  |  |  |  |  | 3.030 0.022 | 3.090 0.025 | 3.060 0.030 |
| 1965 | 3.165 0.011 | 3.070 0.008 |  |  |  |  |  |  |  |  | 3.150 0.007 | 3.116 0.010 | 3.125 0.021 |
| 1966 | 3.098 0.016 | 3.045 0.038 | 3.006 0.028 |  | 3.074 0.022 | 3.025 0.014 | 2.986 0.009 | 2.962 0.020 | 2.783 0.017 | 2.853 0.019 | 2.970 0.038 | 2.931 0.030 | 2.976 0.028 |
| 1967 | 2.825 0.023 | 2.662 0.053 | 2.710 0.016 | 2.661 0.027 | 2.737 0.031 | 2.713 0.018 | 2.738 0.013 | 2.735 0.036 | 2.737 0.018 | 2.709 0.023 | 2.647 0.021 | 2.689 0.013 | 2.714 0.014 |
| 1968 | 2.728 0.011 | 2.690 0.032 | 2.697 0.011 | 2.765 0.029 | 2.750 0.011 | 2.510 0.019 | 2.530 0.014 | 2.590 0.011 | 2.600 0.017 | 2.520 0.016 | 2.398 0.014 | 2.360 0.015 | 2.595 0.039 |
| 1969 | 2.528 0.014 | 2.543 0.018 | 2.453 0.025 |  | 2.380 0.015 | 2.316 0.016 | 2.301 0.008 | 2.362 0.011 | 2.415 0.005 |  | 2.445 0.013 | 2.421 0.009 | 2.416 0.024 |
| 1970 | 2.421 0.022 | 2.461 0.013 | 2.456 0.009 |  |  |  |  |  |  |  |  |  | 2.446 0.013 |

**Таблица 9.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 в Норильске, Красноярский край (*Rc* = 0.6 ГВ) в период 01.1975–06.1982

**Table 9.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Norilsk, Krasnoyarsk Territory (*Rc* = 0.6 GV) in the period of 01.1975–06.1982

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1975 | 3.025 0.034 | 3.110 0.016 | 3.125 0.012 | 3.109 0.033 | 3.159 0.027 | 3.231 0.021 | 3.263 0.025 | 3.258 0.018 | 3.100 0.049 | 3.190 0.020 | 2.985 0.020 | 3.055 0.027 | 3.134 0.026 |
| 1976 | 3.154 0.009 | 3.144 0.015 | 3.135 0.034 | 3.163 0.025 | 3.164 0.033 | 3.235 0.019 | 3.300 0.020 | 3.255 0.048 | 3.278 0.034 | 3.351 0.029 | 3.287 0.010 | 3.242 0.017 | 3.226 0.021 |
| 1977 | 3.212 0.012 | 3.233 0.024 | 3.275 0.018 | 3.280 0.002 | 3.325 0.018 | 3.289 0.017 | 3.140 0.014 | 3.154 0.026 | 3.158 0.038 | 3.156 0.004 |  |  | 3.222 0.021 |
| 1978 |  |  |  | 2.826 0.085 |  |  |  |  |  |  |  |  | 2.826 0.085 |
| 1979 |  |  |  | 2.498 0.027 | 2.650 0.028 | 2.485 0.019 | 2.528 0.025 | 2.559 0.017 | 2.312 0.049 | 2.398 0.030 | 2.403 0.028 | 2.430 0.027 | 2.474 0.034 |
| 1980 | 2.444 0.018 | 2.445 0.020 | 2.489 0.018 | 2.389 0.050 | 2.494 0.013 | 2.315 0.029 | 2.291 0.025 | 2.214 0.016 | 2.214 0.014 | 2.155 0.027 | 2.071 0.025 | 2.054 0.012 | 2.298 0.045 |
| 1981 | 2.218 0.022 | 2.172 0.030 | 2.151 0.028 | 2.211 0.024 | 2.139 0.031 | 2.276 0.015 | 2.308 0.028 |  |  | 2.258 0.032 | 2.273 0.016 | 2.327 0.028 | 2.233 0.021 |
| 1982 | 2.449 0.048 | 2.250 0.026 | 2.445 0.016 | 2.478 0.015 | 2.530 0.015 | 2.341 0.046 |  |  |  |  |  |  | 2.416 0.042 |

**Таблица 10.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Ереван, Армения (*Rc* = 7.6 ГВ) в период 01.1976–04.1989

**Table 10.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Yerevan station, Armenia (*Rc* = 7.6 GV) in the period of 01.1976–04.1989

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1976 | 1.539 0.025 | 1.498 0.045 | 1.515 0.010 | 1.523 0.013 | 1.450 0.031 | 1.522 0.014 | 1.504 0.016 | 1.536 0.006 | 1.526 0.009 | 1.560 0.009 | 1.537 0.012 | 1.458 0.044 | 1.514 0.009 |
| 1977 | 1.518 0.045 |  |  | 1.443 0.008 |  |  |  |  |  |  |  |  | 1.481 0.037 |
| 1978 |  |  |  |  |  |  |  |  |  | 1.439 0.020 | 1.420 0.034 | 1.471 0.006 | 1.443 0.015 |
| 1979 | 1.426 0.016 | 1.444 0.010 | 1.449 0.006 | 1.444 0.010 | 1.449 0.007 | 1.433 0.008 |  |  |  |  |  |  | 1.441 0.004 |
| 1980 |  |  |  | 1.408 0.011 | 1.426 0.005 |  |  |  |  |  |  |  | 1.417 0.009 |
| 1981 | 1.394 0.017 | 1.381 0.017 | 1.396 0.010 | 1.377 0.006 | 1.382 0.008 | 1.380 0.006 | 1.410 0.010 |  | 1.403 0.010 | 1.356 0.010 | 1.390 0.011 | 1.407 0.006 | 1.389 0.005 |
| 1982 | 1.419 0.009 | 1.387 0.009 | 1.411 0.010 | 1.402 0.005 | 1.426 0.008 | 1.364 0.017 | 1.335 0.163 | 1.323 0.009 | 1.310 0.021 | 1.346 0.040 |  |  | 1.372 0.013 |
| 1983 | 1.401 0.018 | 1.384 0.011 | 1.418 0.007 | 1.408 0.007 | 1.385 0.013 | 1.414 0.010 | 1.429 0.009 | 1.429 0.007 | 1.442 0.008 | 1.455 0.013 | 1.432 0.007 | 1.431 0.013 | 1.419 0.006 |
| 1984 | 1.487 0.009 | 1.479 0.008 | 1.492 0.007 | 1.451 0.012 | 1.409 0.017 | 1.442 0.009 | 1.475 0.007 | 1.485 0.008 | 1.483 0.007 | 1.482 0.005 | 1.489 0.006 | 1.496 0.011 | 1.473 0.007 |
| 1985 | 1.511 0.007 | 1.510 0.009 | 1.522 0.008 |  |  | 1.529 0.008 | 1.560 0.007 | 1.521 0.012 | 1.523 0.012 | 1.517 0.006 | 1.513 0.005 | 1.535 0.008 | 1.524 0.005 |
| 1986 | 1.506 0.008 | 1.495 0.008 | 1.514 0.011 | 1.543 0.007 | 1.570 0.005 | 1.547 0.007 | 1.552 0.005 | 1.554 0.004 | 1.559 0.008 | 1.572 0.004 | 1.548 0.005 | 1.560 0.004 | 1.543 0.007 |
| 1987 | 1.574 0.013 | 1.584 0.008 | 1.592 0.008 | 1.554 0.004 | 1.573 0.005 | 1.566 0.006 | 1.513 0.008 | 1.558 0.019 | 1.487 0.030 | 1.530 0.008 | 1.516 0.014 |  | 1.550 0.010 |
| 1988 | 1.484 0.010 | 1.457 0.008 | 1.496 0.006 | 1.492 0.010 | 1.498 0.016 | 1.469 0.020 |  | 1.400 0.028 | 1.463 0.011 | 1.478 0.007 | 1.454 0.010 | 1.408 0.012 | 1.464 0.010 |
| 1989 | 1.401 0.007 | 1.410 0.004 | 1.406 0.011 | 1.406 0.011 |  |  |  |  |  |  |  |  | 1.406 0.002 |

**Таблица 11.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Тикси, Якутия (*Rc* = 0.5 ГВ) в период 02.1978–09.1987

**Table 11.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Tixie station, Yakutiya (*Rc* = 0.5 GV) in the period of 02.1978–09.1987

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1978 |  | 3.153 0.063 | 3.106 0.038 | 3.073 0.038 | 2.707 0.088 | 2.895 0.026 | 2.957 0.027 | 2.994 0.025 | 3.130 0.022 | 2.976 0.021 | 2.944 0.034 | 3.010 0.044 | 2.995 0.038 |
| 1979 | 2.953 0.026 | 2.863 0.034 | 2.856 0.024 | 2.674 0.018 | 2.715 0.032 | 2.563 0.021 | 2.581 0.010 | 2.504 0.047 | 2.487 0.037 | 2.482 0.029 | 2.440 0.072 | 2.547 0.058 | 2.639 0.050 |
| 1980 | 2.612 0.020 | 2.549 0.049 | 2.594 0.012 | 2.506 0.024 | 2.507 0.030 | 2.357 0.026 | 2.347 0.016 | 2.349 0.010 | 2.321 0.018 | 2.229 0.013 | 2.157 0.015 | 2.190 0.036 | 2.393 0.045 |
| 1981 | 2.300 0.008 | 2.241 0.022 | 2.203 0.023 | 2.165 0.025 | 2.041 0.042 | 2.231 0.005 | 2.269 0.014 | 2.185 0.008 | 2.319 0.014 | 2.160 0.037 | 2.234 0.007 | 2.108 0.063 | 2.205 0.023 |
| 1982 | 2.464 0.016 | 2.245 0.032 | 2.464 0.018 | 2.556 0.015 | 2.522 0.033 | 2.334 0.044 | 2.130 0.074 | 2.102 0.041 | 2.035 0.068 | 2.220 0.076 | 2.121 0.028 | 2.074 0.016 | 2.272 0.054 |
| 1983 | 2.209 0.030 | 2.295 0.030 | 2.335 0.008 | 2.347 0.015 | 2.234 0.022 | 2.318 0.008 | 2.381 0.013 | 2.434 0.021 | 2.496 0.010 | 2.531 0.028 | 2.551 0.023 | 2.598 0.021 | 2.394 0.037 |
| 1984 | 2.662 0.013 | 2.611 0.021 | 2.486 0.013 | 2.473 0.021 | 2.399 0.016 | 2.514 0.019 | 2.517 0.018 | 2.572 0.019 | 2.585 0.021 | 2.614 0.018 | 2.555 0.015 | 2.458 0.036 | 2.537 0.022 |
| 1985 |  |  | 2.730 0.022 | 2.756 0.039 | 2.787 0.029 | 2.746 0.023 | 2.857 0.032 | 2.821 0.004 |  | 2.926 0.014 | 2.981 0.023 | 3.000 0.008 | 2.845 0.034 |
| 1986 | 3.009 0.014 | 2.686 0.080 | 3.009 0.023 | 3.010 0.018 |  | 3.130 0.021 | 3.134 0.024 | 3.178 0.020 |  | 3.213 0.013 | 3.094 0.019 | 3.175 0.027 | 3.064 0.048 |
| 1987 | 3.300 0.023 | 3.391 0.015 | 3.370 0.025 | 3.341 0.021 | 3.259 0.034 | 3.229 0.014 | 3.122 0.022 | 3.095 0.021 | 3.047 0.012 |  |  |  | 3.239 0.042 |

**Таблица 12.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Дальнереченск, Хабаровский край (*Rc* = 7.35 ГВ) в период 08.1978–05.1982

**Table 12.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Dalnerechensk station, Khabarovsk Territory (*Rc* = 7.35 GV) in the period of 08.1978–05.1982

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1978 |  |  |  |  |  |  |  | 1.642 0.011 | 1.645 0.018 | 1.644 0.013 | 1.627 0.010 |  | 1.640 0.004 |
| 1979 |  | 1.598 0.010 | 1.582 0.008 | 1.620 0.028 | 1.542 0.017 | 1.525 0.006 | 1.459 0.022 | 1.507 0.013 | 1.541 0.016 | 1.497 0.032 |  |  | 1.541 0.017 |
| 1980 |  |  |  |  |  |  | 1.528 0.016 | 1.590 0.048 | 1.516 0.024 | 1.562 0.037 |  | 1.431 0.052 | 1.525 0.027 |
| 1981 | 1.490 0.043 | 1.533 0.046 | 1.428 0.038 | 1.512 0.001 | 1.506 0.450 | 1.475 0.044 | 1.384 0.085 |  |  | 1.514 0.042 | 1.504 0.045 | 1.436 0.081 | 1.478 0.015 |
| 1982 | 1.538 0.031 | 1.545 0.004 | 1.363 0.041 | 1.548 0.007 | 1.636 0.022 |  |  |  |  |  |  |  | 1.526 0.045 |

**Таблица 13.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 на станции Восток, Антарктида (*Rc* = 0.0 ГВ) в период 01.1980–02.1980

**Table 13.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Vostok station, Antarctica (*Rc* = 0.0 GV) in the period of 01.1980–02.1980

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1980 | 2.579 0.015 | 2.505 0.026 |  |  |  |  |  |  |  |  |  |  | 2.542 0.037 |

**Таблица 14.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2c–1), измеренные газоразрядным счетчиком СТС-6 на станции Баренцбург, Шпитцберген, Норвегия (*R*c = 0.06 ГВ) в период 05.1982, 03–07.1983

**Table 14.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Barentzburg station, Spitzbergen, Norway (*Rc* = 0.06 GV) in the period of

05.1982, 03–07.1983

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1982 |  |  |  |  | 2.586 0.078 |  |  |  |  |  |  |  | 2.586 0.078 |
| 1983 |  |  | 2.355 0.018 | 2.372 0.014 | 2.315 0.026 | 2.351 0.014 | 2.355 0.071 |  |  |  |  |  | 2.350 0.009 |

**Таблица 15.** Среднемесячные значения потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*1m ± σ, см–2⋅c–1), измеренные газоразрядным счетчиком СТС-6 в Кампинасе, Бразилия (*Rc* = 10.9 ГВ) в период 01.1988–02.1991

**Table 15.** Monthly averaged values of omnidirectional cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*1m ± σ, cm–2⋅s–1) measured with a single gas-discharged counter STS-6 at Campinas, Brazil (*Rc* = 10.9 GV) in the period of 01.1988–02.1991

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1988 | 1.103 0.033 | 1.096 0.008 | 1.086 0.007 | 1.078 0.003 | 1.072 0.006 | 1.095 0.009 | 1.078 0.006 | 1.094 0.005 | 1.095 0.010 | 1.058 0.017 | 1.037 0.031 | 1.037 0.015 | 1.077 0.007 |
| 1989 | 1.075 0.016 | 1.147 0.012 | 1.044 0.031 | 1.064 0.031 | 1.018 0.021 | 1.032 0.006 |  | 1.034 0.008 | 1.025 0.007 | 1.026 0.006 | 1.026 0.010 |  | 1.049 0.012 |
| 1990 |  |  | 1.070 0.032 | 1.033 0.038 |  |  |  | 1.016 0.004 | 1.021 0.031 | 1.021 0.031 |  |  | 1.032 0.010 |
| 1991 | 1.074 0.012 | 1.057 0.031 |  |  |  |  |  |  |  |  |  |  | 1.066 0.008 |

ТАБЛИЦЫ 16–27 Среднемесячных значений вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере (*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренных телескопом из 2-х газоразрядных счетчиков СТС-6 на станциях, указанных в таблице 1

TABLES 16–27 of Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅s–1) measured with A telescope from 2 gas-discharged counters STS-6 at the stations given in the table 1

**Таблица 16.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на северных полярных широтах Мурманской области (*Rc* = 0.6 ГВ) в период 01.1960–10.2010

**Table 16.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at the northern polar latitudes of Murmansk region (*Rc* = 0.6 GV) in the period of 01.1960–10.2010

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1960 | 0.364 0.010 | 0.357 0.004 | 0.364 0.004 | 0.361 0.007 | 0.351 0.007 | 0.353 0.005 | 0.352 0.004 | 0.371 0.008 | 0.351 0.005 | 0.369 0.006 | 0.355 0.005 | 0.355 0.006 | 0.359 0.002 |
| 1961 | 0.393 0.009 | 0.375 0.005 | 0.386 0.009 | 0.386 0.004 | 0.391 0.005 | 0.400 0.007 | 0.379 0.004 | 0.390 0.005 | 0.380 0.003 | 0.393 0.004 | 0.412 0.007 | 0.394 0.005 | 0.390 0.003 |
| 1962 | 0.409 0.002 | 0.402 0.004 | 0.409 0.004 | 0.401 0.005 | 0.411 0.003 | 0.408 0.004 | 0.405 0.006 | 0.411 0.004 | 0.408 0.004 | 0.409 0.007 | 0.419 0.004 | 0.415 0.003 | 0.409 0.001 |
| 1963 | 0.431 0.003 | 0.444 0.007 | 0.437 0.003 | 0.429 0.004 | 0.424 0.004 | 0.428 0.002 | 0.423 0.007 | 0.427 0.002 | 0.427 0.009 | 0.428 0.006 | 0.424 0.006 | 0.454 0.004 | 0.431 0.003 |
| 1964 | 0.440 0.003 | 0.444 0.003 | 0.449 0.004 | 0.443 0.003 | 0.458 0.005 | 0.472 0.004 | 0.458 0.005 | 0.458 0.005 | 0.464 0.003 | 0.456 0.005 | 0.469 0.004 | 0.477 0.004 | 0.457 0.003 |
| 1965 | 0.500 0.009 | 0.507 0.005 | 0.500 0.005 | 0.509 0.004 | 0.521 0.010 | 0.500 0.007 | 0.490 0.003 | 0.490 0.007 | 0.483 0.004 | 0.483 0.005 | 0.481 0.004 | 0.501 0.003 | 0.497 0.003 |
| 1966 | 0.493 0.007 | 0.486 0.007 | 0.471 0.008 | 0.461 0.004 | 0.482 0.006 | 0.458 0.008 | 0.449 0.007 | 0.451 0.003 | 0.413 0.008 | 0.422 0.007 | 0.443 0.002 | 0.442 0.006 | 0.456 0.007 |
| 1967 | 0.412 0.005 | 0.399 0.004 | 0.420 0.004 | 0.421 0.003 | 0.403 0.007 | 0.410 0.005 | 0.415 0.005 | 0.402 0.005 | 0.398 0.003 | 0.414 0.006 | 0.408 0.007 | 0.401 0.004 | 0.409 0.002 |
| 1968 | 0.400 0.003 | 0.405 0.006 | 0.403 0.004 | 0.408 0.005 | 0.390 0.005 | 0.377 0.005 | 0.378 0.004 | 0.368 0.003 | 0.377 0.006 | 0.355 0.006 | 0.341 0.008 | 0.335 0.004 | 0.378 0.007 |
| 1969 | 0.360 0.005 | 0.364 0.005 | 0.353 0.003 | 0.364 0.005 | 0.339 0.002 | 0.334 0.004 | 0.336 0.004 | 0.341 0.003 | 0.342 0.003 | 0.348 0.003 | 0.349 0.002 | 0.351 0.004 | 0.348 0.003 |
| 1970 | 0.351 0.004 | 0.349 0.002 | 0.348 0.004 | 0.340 0.002 | 0.342 0.001 | 0.323 0.007 | 0.321 0.006 | 0.343 0.009 | 0.337 0.006 | 0.343 0.004 | 0.341 0.004 | 0.354 0.003 | 0.341 0.003 |
| 1971 | 0.358 0.003 | 0.369 0.004 | 0.367 0.002 | 0.376 0.003 | 0.376 0.004 | 0.395 0.005 | 0.414 0.005 | 0.424 0.006 | 0.420 0.002 | 0.434 0.006 | 0.437 0.006 | 0.437 0.005 | 0.401 0.009 |
| 1972 | 0.432 0.004 | 0.439 0.004 | 0.444 0.003 | 0.458 0.003 | 0.453 0.003 | 0.442 0.006 | 0.452 0.003 | 0.395 0.011 | 0.440 0.003 | 0.451 0.003 | 0.456 0.005 | 0.453 0.003 | 0.443 0.005 |
| 1973 | 0.457 0.003 | 0.455 0.003 | 0.453 0.002 | 0.426 0.003 | 0.419 0.003 | 0.440 0.003 | 0.454 0.002 | 0.448 0.003 | 0.461 0.003 | 0.460 0.003 | 0.468 0.003 | 0.469 0.003 | 0.451 0.004 |
| 1974 | 0.483 0.002 | 0.485 0.003 | 0.473 0.003 | 0.467 0.003 | 0.454 0.004 | 0.437 0.003 | 0.420 0.003 | 0.432 0.003 | 0.433 0.009 | 0.427 0.002 | 0.416 0.002 | 0.430 0.002 | 0.446 0.007 |
| 1975 | 0.429 0.002 | 0.437 0.001 | 0.442 0.001 | 0.454 0.001 | 0.456 0.002 | 0.465 0.001 | 0.463 0.001 | 0.461 0.001 | 0.466 0.001 | 0.459 0.001 | 0.454 0.002 | 0.454 0.001 | 0.453 0.003 |
| 1976 | 0.447 0.002 | 0.449 0.002 | 0.456 0.002 | 0.433 0.003 | 0.450 0.002 | 0.458 0.002 | 0.455 0.002 | 0.472 0.002 | 0.474 0.002 | 0.470 0.002 | 0.476 0.002 | 0.476 0.001 | 0.460 0.004 |
| 1977 | 0.472 0.002 | 0.471 0.002 | 0.467 0.002 | 0.466 0.002 | 0.467 0.002 | 0.463 0.002 | 0.454 0.002 | 0.459 0.003 | 0.452 0.003 | 0.449 0.002 | 0.457 0.002 | 0.453 0.002 | 0.461 0.002 |
| 1978 | 0.443 0.002 | 0.438 0.005 | 0.428 0.003 | 0.421 0.003 | 0.393 0.006 | 0.411 0.003 | 0.410 0.003 | 0.428 0.002 | 0.433 0.003 | 0.416 0.002 | 0.423 0.002 | 0.425 0.002 | 0.422 0.004 |
| 1979 | 0.417 0.002 | 0.412 0.002 | 0.392 0.002 | 0.376 0.002 | 0.386 0.002 | 0.367 0.002 | 0.363 0.002 | 0.344 0.003 | 0.340 0.002 | 0.347 0.002 | 0.354 0.001 | 0.364 0.001 | 0.372 0.007 |
| 1980 | 0.365 0.001 | 0.356 0.002 | 0.360 0.001 | 0.346 0.002 | 0.351 0.002 | 0.326 0.003 | 0.316 0.002 | 0.320 0.001 | 0.323 0.002 | 0.316 0.001 | 0.302 0.001 | 0.306 0.001 | 0.332 0.006 |
| 1981 | 0.323 0.002 | 0.309 0.002 | 0.312 0.002 | 0.304 0.002 | 0.295 0.003 | 0.316 0.002 | 0.310 0.003 | 0.317 0.003 | 0.328 0.002 | 0.316 0.003 | 0.313 0.001 | 0.324 0.001 | 0.314 0.003 |
| 1982 | 0.337 0.002 | 0.313 0.002 | 0.332 0.002 | 0.345 0.002 | 0.354 0.001 | 0.333 0.003 | 0.289 0.004 | 0.303 0.002 | 0.295 0.002 | 0.301 0.001 | 0.304 0.001 | 0.293 0.002 | 0.317 0.006 |
| 1983 | 0.307 0.002 | 0.317 0.002 | 0.330 0.002 | 0.331 0.001 | 0.315 0.001 | 0.324 0.001 | 0.338 0.002 | 0.344 0.001 | 0.351 0.001 | 0.350 0.001 | 0.357 0.001 | 0.359 0.001 | 0.335 0.005 |
| 1984 | 0.367 0.001 | 0.362 0.003 | 0.346 0.002 | 0.342 0.003 | 0.328 0.001 | 0.343 0.002 | 0.347 0.002 | 0.360 0.001 | 0.369 0.001 | 0.369 0.001 | 0.366 0.001 | 0.365 0.001 | 0.355 0.004 |
| 1985 | 0.372 0.001 | 0.384 0.001 | 0.385 0.002 | 0.388 0.003 | 0.398 0.002 | 0.400 0.002 | 0.401 0.002 | 0.401 0.002 | 0.422 0.002 | 0.420 0.002 | 0.427 0.001 | 0.431 0.001 | 0.402 0.005 |
| 1986 | 0.426 0.002 | 0.394 0.005 | 0.405 0.002 | 0.425 0.002 | 0.431 0.002 | 0.441 0.001 | 0.446 0.002 | 0.443 0.001 | 0.443 0.002 | 0.446 0.002 | 0.441 0.003 | 0.442 0.002 | 0.432 0.005 |
| 1987 | 0.457 0.003 | 0.475 0.002 | 0.473 0.002 | 0.466 0.001 | 0.470 0.002 | 0.460 0.002 | 0.449 0.002 | 0.445 0.002 | 0.433 0.001 | 0.433 0.002 | 0.430 0.003 | 0.422 0.002 | 0.451 0.005 |
| 1988 | 0.398 0.003 | 0.411 0.002 | 0.410 0.002 | 0.405 0.002 | 0.407 0.001 | 0.405 0.001 | 0.400 0.002 | 0.395 0.003 | 0.390 0.002 | 0.383 0.002 | 0.385 0.002 | 0.375 0.004 | 0.397 0.003 |
| 1989 | 0.361 0.001 | 0.356 0.002 | 0.319 0.006 | 0.319 0.002 | 0.313 0.002 | 0.316 0.002 | 0.324 0.003 | 0.313 0.005 | 0.289 0.003 | 0.296 0.004 | 0.272 0.004 | 0.285 0.003 | 0.314 0.008 |
| 1990 | 0.298 0.002 | 0.298 0.002 | 0.292 0.002 | 0.290 0.002 | 0.284 0.002 | 0.263 0.004 | 0.276 0.001 | 0.269 0.003 | 0.284 0.001 | 0.286 0.002 | 0.291 0.001 | 0.308 0.002 | 0.287 0.004 |
| 1991 | 0.322 0.002 | 0.329 0.002 | 0.289 0.012 | 0.296 0.003 | 0.307 0.003 | 0.256 0.007 | 0.265 0.003 | 0.282 0.004 | 0.311 0.001 |  | 0.314 0.004 | 0.320 0.003 | 0.299 0.007 |
| 1992 | 0.318 0.003 | 0.331 0.003 | 0.342 0.006 | 0.360 0.004 | 0.352 0.005 | 0.353 0.005 | 0.342 0.001 | 0.357 0.010 | 0.366 0.011 | 0.405 0.011 | 0.392 0.007 | 0.390 0.003 | 0.360 0.007 |
| 1993 | 0.384 0.003 | 0.389 0.003 | 0.379 0.003 | 0.389 0.002 | 0.397 0.006 | 0.399 0.004 | 0.403 0.007 | 0.405 0.006 | 0.426 0.008 | 0.427 0.007 | 0.421 0.003 | 0.441 0.004 | 0.405 0.006 |
| 1994 | 0.434 0.003 | 0.414 0.003 | 0.420 0.002 | 0.420 0.004 | 0.424 0.003 | 0.420 0.003 | 0.442 0.003 | 0.441 0.002 | 0.455 0.004 | 0.438 0.003 | 0.445 0.002 | 0.451 0.002 | 0.434 0.004 |
| 1995 | 0.462 0.003 | 0.459 0.002 | 0.459 0.002 | 0.456 0.003 | 0.463 0.004 | 0.463 0.003 | 0.460 0.003 | 0.468 0.003 | 0.479 0.005 | 0.470 0.003 | 0.474 0.002 | 0.474 0.002 | 0.466 0.002 |
| 1996 | 0.474 0.003 | 0.461 0.002 | 0.479 0.002 | 0.481 0.003 | 0.476 0.002 | 0.480 0.002 | 0.484 0.002 | 0.483 0.002 | 0.484 0.004 | 0.476 0.003 | 0.487 0.004 | 0.479 0.004 | 0.479 0.002 |
| 1997 | 0.481 0.004 | 0.480 0.004 | 0.486 0.003 | 0.481 0.003 | 0.490 0.003 | 0.485 0.004 | 0.484 0.004 | 0.477 0.004 | 0.469 0.004 | 0.471 0.003 | 0.459 0.003 | 0.470 0.004 | 0.478 0.003 |
| 1998 | 0.472 0.002 | 0.467 0.002 | 0.473 0.003 | 0.452 0.005 | 0.426 0.005 | 0.436 0.003 | 0.448 0.003 | 0.432 0.008 | 0.435 0.006 | 0.445 0.004 | 0.444 0.003 | 0.432 0.003 | 0.447 0.005 |
| 1999 | 0.404 0.006 | 0.415 0.005 | 0.418 0.003 | 0.426 0.003 | 0.420 0.004 | 0.420 0.005 | 0.424 0.005 | 0.409 0.006 | 0.382 0.003 | 0.383 0.003 | 0.376 0.003 | 0.373 0.004 | 0.404 0.006 |
| 2000 | 0.375 0.004 | 0.364 0.003 | 0.347 0.002 | 0.345 0.003 | 0.333 0.004 | 0.323 0.003 | 0.314 0.004 | 0.313 0.002 | 0.318 0.003 | 0.330 0.006 | 0.319 0.003 | 0.321 0.003 | 0.334 0.006 |
| 2001 | 0.329 0.002 | 0.335 0.003 | 0.349 0.002 | 0.331 0.005 | 0.347 0.002 | 0.350 0.002 | 0.349 0.002 | 0.340 0.004 | 0.334 0.005 | 0.333 0.002 | 0.343 0.002 | 0.353 0.002 | 0.341 0.002 |
| 2002 | 0.342 0.003 | 0.360 0.005 | 0.344 0.004 | 0.337 0.006 | 0.346 0.002 | 0.354 0.003 | 0.340 0.004 | 0.329 0.003 | 0.340 0.002 | 0.341 0.003 | 0.333 0.002 | 0.342 0.003 | 0.342 0.002 |
| 2003 | 0.350 0.002 | 0.344 0.001 | 0.347 0.003 | 0.339 0.002 | 0.348 0.004 | 0.329 0.002 | 0.336 0.002 | 0.343 0.002 | 0.345 0.002 | 0.335 0.009 | 0.294 0.004 | 0.312 0.004 | 0.335 0.005 |
| 2004 | 0.320 0.003 | 0.343 0.004 | 0.362 0.002 | 0.366 0.004 | 0.367 0.004 | 0.385 0.002 | 0.376 0.004 | 0.377 0.003 | 0.383 0.005 | 0.396 0.004 | 0.375 0.006 | 0.382 0.003 | 0.369 0.006 |
| 2005 | 0.374 0.009 | 0.383 0.004 | 0.380 0.007 | 0.392 0.002 | 0.362 0.008 | 0.376 0.007 | 0.388 0.006 | 0.383 0.005 | 0.352 0.013 | 0.387 0.004 | 0.392 0.005 | 0.412 0.002 | 0.382 0.004 |
| 2006 | 0.411 0.002 | 0.416 0.001 | 0.426 0.003 | 0.434 0.004 | 0.434 0.004 | 0.439 0.003 | 0.433 0.002 | 0.450 0.003 | 0.449 0.003 | 0.440 0.002 | 0.443 0.006 | 0.424 0.004 | 0.433 0.004 |
| 2007 | 0.434 0.002 | 0.451 0.003 | 0.449 0.003 | 0.4550.003 | 0.4640.004 | 0.4590.003 | 0.4550.003 | 0.4620.002 | 0.4590.002 | 0.4600.004 | 0.4600.005 | 0.4730.003 | 0.4570.005 |
| 2008 | 0.4590.004 | 0.4560.002 | 0.4620.004 | 0.4550.002 | 0.4660.002 | 0.4670.003 | 0.4780.002 | 0.4740.002 | 0.4840.004 | 0.4860.003 | 0.4910.004 | 0.5110.007 | 0.4740.005 |
| 2009 | 0.5020.006 | 0.5020.006 | 0.5180.006 | 0.5180.002 | 0.5090.003 | 0.5100.004 | 0.5370.003 | 0.5230.003 | 0.5120.005 | 0.5100.003 | 0.5150.005 | 0.5100.012 | 0.5140.003 |
| 2010 | 0.5110.005 | 0.5000.002 | 0.4920.004 | 0.4790.004 | 0.4750.005 | 0.4770.003 | 0.4820.003 | 0.4700.003 | 0.4680.002 | 0.4710.005 |  |  | 0.4850.005 |

**Таблица 17.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Долгопрудный, Московская область

(*Rc* = 2.4 ГВ) в период 01.1960–02.2011

**Table 17.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Dolgoprudny town, Moscow region (*Rc* = 2.4 GV) in the period of

01.1960–02.2011

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1960 | 0.323 0.005 | 0.333 0.007 | 0.339 0.002 | 0.322 0.007 | 0.335 0.004 | 0.329 0.006 | 0.330 0.005 | 0.347 0.004 | 0.344 0.005 | 0.351 0.003 | 0.336 0.006 | 0.346 0.008 | 0.336 0.003 |
| 1961 | 0.355 0.004 | 0.357 0.005 | 0.363 0.004 | 0.348 0.004 | 0.353 0.002 | 0.359 0.002 | 0.346 0.007 | 0.356 0.003 | 0.361 0.003 | 0.352 0.008 | 0.373 0.004 | 0.379 0.003 | 0.359 0.003 |
| 1962 | 0.384 0.002 | 0.371 0.006 | 0.364 0.005 | 0.360 0.005 | 0.372 0.004 | 0.363 0.005 | 0.361 0.008 | 0.383 0.005 | 0.381 0.011 | 0.362 0.003 | 0.369 0.006 | 0.369 0.003 | 0.370 0.002 |
| 1963 | 0.371 0.006 | 0.383 0.006 | 0.377 0.005 | 0.397 0.005 | 0.372 0.005 | 0.371 0.004 | 0.385 0.008 | 0.375 0.003 | 0.381 0.009 | 0.368 0.003 | 0.379 0.003 | 0.377 0.004 | 0.378 0.002 |
| 1964 | 0.381 0.008 | 0.388 0.006 | 0.392 0.005 | 0.372 0.009 | 0.377 0.008 | 0.382 0.006 | 0.408 0.006 | 0.417 0.004 | 0.420 0.011 | 0.416 0.006 | 0.407 0.005 | 0.414 0.004 | 0.398 0.005 |
| 1965 | 0.419 0.002 | 0.418 0.003 | 0.428 0.007 | 0.417 0.004 | 0.423 0.004 | 0.407 0.005 | 0.410 0.004 | 0.411 0.004 | 0.408 0.005 | 0.400 0.004 | 0.413 0.005 | 0.429 0.006 | 0.416 0.003 |
| 1966 | 0.412 0.003 | 0.412 0.004 | 0.416 0.004 | 0.408 0.011 | 0.411 0.005 | 0.401 0.005 | 0.392 0.007 | 0.381 0.004 | 0.361 0.007 | 0.385 0.006 | 0.392 0.006 | 0.392 0.002 | 0.397 0.005 |
| 1967 | 0.374 0.005 | 0.375 0.010 | 0.373 0.004 | 0.388 0.007 | 0.375 0.003 | 0.362 0.003 | 0.369 0.003 | 0.369 0.008 | 0.362 0.008 | 0.366 0.003 | 0.350 0.008 | 0.354 0.004 | 0.368 0.003 |
| 1968 | 0.364 0.005 | 0.360 0.003 | 0.364 0.005 | 0.379 0.013 | 0.345 0.004 | 0.329 0.004 | 0.342 0.004 | 0.348 0.005 | 0.338 0.003 | 0.332 0.011 | 0.321 0.004 | 0.319 0.002 | 0.346 0.006 |
| 1969 | 0.330 0.009 | 0.334 0.005 | 0.330 0.005 | 0.342 0.009 | 0.333 0.003 | 0.324 0.006 | 0.320 0.004 | 0.332 0.003 | 0.331 0.003 | 0.328 0.004 | 0.338 0.004 | 0.336 0.003 | 0.332 0.002 |
| 1970 | 0.335 0.005 | 0.344 0.005 | 0.337 0.004 | 0.333 0.004 | 0.331 0.005 | 0.314 0.004 | 0.316 0.003 | 0.321 0.004 | 0.332 0.004 | 0.338 0.005 | 0.319 0.002 | 0.333 0.005 | 0.329 0.003 |
| 1971 | 0.337 0.004 | 0.351 0.003 | 0.350 0.002 | 0.354 0.003 | 0.357 0.004 | 0.372 0.003 | 0.366 0.002 | 0.374 0.003 | 0.374 0.003 | 0.378 0.004 | 0.373 0.004 | 0.371 0.004 | 0.363 0.004 |
| 1972 | 0.370 0.004 | 0.370 0.004 | 0.370 0.006 | 0.399 0.004 | 0.390 0.003 | 0.372 0.002 | 0.384 0.002 | 0.370 0.002 | 0.383 0.002 | 0.387 0.002 | 0.372 0.005 | 0.379 0.003 | 0.379 0.003 |
| 1973 | 0.383 0.004 | 0.380 0.003 | 0.377 0.007 | 0.378 0.003 | 0.362 0.004 | 0.372 0.002 | 0.377 0.002 | 0.380 0.003 | 0.385 0.002 | 0.385 0.003 | 0.384 0.002 | 0.390 0.004 | 0.379 0.002 |
| 1974 | 0.393 0.002 | 0.398 0.004 | 0.390 0.003 | 0.396 0.003 | 0.383 0.002 | 0.378 0.003 | 0.366 0.004 | 0.375 0.002 | 0.366 0.006 | 0.372 0.009 | 0.368 0.002 | 0.373 0.002 | 0.380 0.003 |
| 1975 | 0.376 0.002 | 0.375 0.002 | 0.378 0.002 | 0.394 0.002 | 0.396 0.003 | 0.400 0.002 | 0.396 0.002 | 0.394 0.002 | 0.387 0.002 | 0.389 0.002 | 0.392 0.001 | 0.387 0.002 | 0.389 0.002 |
| 1976 | 0.375 0.003 | 0.376 0.003 | 0.376 0.002 | 0.373 0.003 | 0.390 0.002 | 0.385 0.002 | 0.396 0.003 | 0.395 0.002 | 0.393 0.003 | 0.390 0.002 | 0.397 0.002 | 0.397 0.002 | 0.387 0.003 |
| 1977 | 0.391 0.002 | 0.388 0.002 | 0.398 0.002 | 0.412 0.003 | 0.403 0.003 | 0.395 0.002 | 0.384 0.003 | 0.380 0.002 | 0.384 0.003 | 0.385 0.004 | 0.394 0.003 | 0.387 0.002 | 0.392 0.003 |
| 1978 | 0.381 0.002 | 0.383 0.003 | 0.379 0.003 | 0.374 0.003 | 0.350 0.006 | 0.354 0.003 | 0.354 0.003 | 0.378 0.003 | 0.379 0.003 | 0.362 0.002 | 0.362 0.002 | 0.371 0.002 | 0.369 0.003 |
| 1979 | 0.367 0.002 | 0.358 0.002 | 0.361 0.002 | 0.338 0.002 | 0.342 0.002 | 0.331 0.002 | 0.338 0.002 | 0.326 0.003 | 0.327 0.004 | 0.328 0.002 | 0.325 0.002 | 0.338 0.002 | 0.340 0.004 |
| 1980 | 0.342 0.002 | 0.331 0.002 | 0.343 0.003 | 0.333 0.003 | 0.338 0.002 | 0.319 0.002 | 0.315 0.002 | 0.310 0.002 | 0.304 0.003 | 0.299 0.002 | 0.292 0.002 | 0.290 0.002 | 0.318 0.006 |
| 1981 | 0.312 0.001 | 0.303 0.002 | 0.297 0.003 | 0.294 0.003 | 0.291 0.004 | 0.303 0.002 | 0.308 0.002 | 0.304 0.002 | 0.317 0.001 | 0.300 0.003 | 0.299 0.002 | 0.317 0.002 | 0.304 0.002 |
| 1982 | 0.325 0.001 | 0.307 0.002 | 0.324 0.002 | 0.332 0.002 | 0.341 0.002 | 0.320 0.004 | 0.284 0.006 | 0.292 0.002 | 0.281 0.002 | 0.284 0.002 | 0.291 0.003 | 0.288 0.002 | 0.306 0.006 |
| 1983 | 0.296 0.002 | 0.302 0.002 | 0.317 0.002 | 0.323 0.002 | 0.302 0.002 | 0.307 0.002 | 0.313 0.003 | 0.319 0.002 | 0.318 0.002 | 0.338 0.003 | 0.332 0.002 | 0.332 0.002 | 0.315 0.004 |
| 1984 | 0.338 0.001 | 0.334 0.001 | 0.326 0.002 | 0.324 0.002 | 0.310 0.002 | 0.320 0.003 | 0.328 0.002 | 0.330 0.001 | 0.339 0.002 | 0.332 0.002 | 0.334 0.002 | 0.344 0.002 | 0.330 0.003 |
| 1985 | 0.338 0.002 | 0.350 0.002 | 0.347 0.002 | 0.354 0.002 | 0.350 0.002 | 0.367 0.002 | 0.363 0.002 | 0.358 0.001 | 0.367 0.002 | 0.363 0.002 | 0.376 0.002 | 0.375 0.001 | 0.359 0.003 |
| 1986 | 0.371 0.002 | 0.361 0.003 | 0.370 0.003 | 0.377 0.002 | 0.383 0.002 | 0.380 0.002 | 0.373 0.001 | 0.376 0.002 | 0.374 0.002 | 0.384 0.003 | 0.386 0.002 | 0.398 0.003 | 0.378 0.003 |
| 1987 | 0.403 0.002 | 0.400 0.002 | 0.407 0.003 | 0.399 0.004 | 0.397 0.002 | 0.392 0.001 | 0.384 0.002 | 0.379 0.003 | 0.370 0.002 | 0.380 0.002 | 0.369 0.002 | 0.374 0.002 | 0.388 0.004 |
| 1988 | 0358 0.002 | 0.363 0.002 | 0.365 0.002 | 0.364 0.002 | 0.354 0.003 | 0.362 0.002 | 0.358 0.002 | 0.347 0.002 | 0.356 0.002 | 0.345 0.002 | 0.351 0.001 | 0.343 0.001 | 0.356 0.002 |
| 1989 | 0.328 0.002 | 0.332 0.002 | 0.311 0.004 | 0.294 0.003 | 0.283 0.002 | 0.298 0.003 | 0.309 0.002 | 0.300 0.002 | 0.280 0.030 | 0.278 0.002 | 0.264 0.003 | 0.282 0.002 | 0.297 0.006 |
| 1990 | 0.284 0.002 | 0.293 0.002 | 0.295 0.003 | 0.277 0.002 | 0.271 0.002 | 0.269 0.002 | 0.279 0.004 | 0.280 0.006 | 0.287 0.010 | 0.290 0.002 | 0.309 0.004 | 0.309 0.002 | 0.285 0.005 |
| 1991 | 0.322 0.002 | 0.330 0.004 | 0.307 0.012 | 0.301 0.005 | 0.297 0.004 | 0.248 0.007 | 0.259 0.003 | 0.282 0.002 | 0.290 0.030 | 0.305 0.003 | 0.308 0.004 | 0.328 0.004 | 0.298 0.007 |
| 1992 | 0.332 0.004 | 0.325 0.004 | 0.332 0.004 | 0.344 0.004 | 0.347 0.005 | 0.342 0.004 | 0.353 0.004 | 0.350 0.002 | 0.348 0.004 | 0.356 0.004 | 0.361 0.003 | 0.380 0.004 | 0.348 0.004 |
| 1993 | 0.383 0.004 | 0.371 0.003 | 0.362 0.004 | 0.360 0.003 | 0.355 0.003 | 0.364 0.004 | 0.366 0.004 | 0.365 0.005 | 0.367 0.004 | 0.377 0.004 | 0.377 0.003 | 0.390 0.002 | 0.370 0.003 |
| 1994 | 0.381 0.003 | 0.389 0.002 | 0.382 0.004 | 0.388 0.004 | 0.366 0.003 | 0.367 0.005 | 0.369 0.003 | 0.386 0.002 | 0.394 0.003 | 0.391 0.002 | 0.388 0.002 | 0.392 0.002 | 0.383 0.003 |
| 1995 | 0.401 0.003 | 0.411 0.004 | 0.398 0.005 | 0.406 0.003 | 0.403 0.003 | 0.400 0.002 | 0.393 0.002 | 0.389 0.002 | 0.398 0.003 | 0.400 0.002 | 0.410 0.003 | 0.407 0.003 | 0.401 0.002 |
| 1996 | 0.394 0.003 | 0.397 0.003 | 0.403 0.002 | 0.403 0.001 | 0.396 0.003 | 0.396 0.002 | 0.405 0.002 | 0.401 0.001 | 0.400 0.002 | 0.401 0.003 | 0.412 0.003 | 0.404 0.002 | 0.401 0.001 |
| 1997 | 0.402 0.002 | 0.409 0.002 | 0.404 0.002 | 0416 0.002 | 0.403 0.002 | 0.407 0.003 | 0.405 0.002 | 0.406 0.002 | 0.406 0.002 | 0.413 0.004 | 0.407 0.004 | 0.399 0.003 | 0.406 0.001 |
| 1998 | 0.395 0.002 | 0.390 0.002 | 0.404 0.003 | 0.389 0.003 | 0.385 0.002 | 0.387 0.003 | 0.394 0.003 | 0.382 0.005 | 0.391 0.002 | 0.399 0.002 | 0.389 0.004 | 0.384 0.003 | 0391 0.002 |
| 1999 | 0.374 0.004 | 0.374 0.003 | 0.375 0.003 | 0.382 0.002 | 0.379 0.002 | 0.380 0.003 | 0.386 0.003 | 0.378 0.004 | 0.363 0.004 | 0.361 0.003 | 0.338 0.001 | 0.343 0.002 | 0.369 0.004 |
| 2000 | 0.349 0.002 | 0.337 0.002 | 0.336 0.003 | 0.332 0.002 | 0.319 0.003 | 0.313 0.002 | 0.298 0.003 | 0.311 0.002 | 0.306 0.004 | 0.320 0.002 | 0.310 0.002 | 0.308 0.002 | 0.320 0.004 |
| 2001 | 0.317 0.002 | 0.325 0.003 | 0.345 0.004 | 0.317 0.005 | 0.327 0.003 | 0.333 0.002 | 0.337 0.004 | 0.336 0.006 | 0.327 0.004 | 0.320 0.002 | 0.338 0.003 | 0.343 0.002 | 0.330 0.003 |
| 2002 | 0.320 0.002 | 0.341 0.002 | 0.328 0.002 | 0.329 0.003 | 0.324 0.003 | 0.336 0.002 | 0.325 0.004 | 0.312 0.003 | 0.322 0.003 | 0.336 0.003 | 0.317 0.003 | 0.318 0.002 | 0.326 0.003 |
| 2003 | 0.328 0.003 | 0.334 0.002 | 0.327 0.002 | 0.327 0.002 | 0.323 0.004 | 0.309 0.004 | 0.323 0.002 | 0.331 0.002 | 0.327 0.003 | 0.318 0.010 | 0.294 0.003 | 0.315 0.002 | 0.321 0.003 |
| 2004 | 0.321 0.003 | 0.325 0.004 | 0.344 0.002 | 0.350 0.002 | 0.363 0.003 | 0.359 0.002 | 0.351 0.004 | 0.355 0.002 | 0.360 0.003 | 0.371 0.002 | 0.364 0.004 | 0.355 0.003 | 0.352 0.004 |
| 2005 | 0.342 0.006 | 0.347 0.007 | 0.359 0.003 | 0.359 0.002 | 0.358 0.003 | 0.369 0.003 | 0.361 0.003 | 0.361 0.002 | 0.347 0.006 | 0.366 0.002 | 0.377 0.002 | 0.381 0.002 | 0.361 0.003 |
| 2006 | 0.369 0.003 | 0.387 0.003 | 0.394 0.003 | 0.398 0.003 | 0.402 0.002 | 0.403 0.003 | 0.398 0.002 | 0.395 0.003 | 0.397 0.001 | 0.399 0.002 | 0.396 0.003 | 0.375 0.004 | 0.393 .0.003 |
| 2007 | 0.394 0.003 | 0.390 0.003 | 0.394 0.002 | 0.4000.005 | 0.4050.003 | 0.3970.003 | 0.3970.002 | 0.3970.002 | 0.4180.004 | 0.4060.003 | 0.4000.003 | 0.3890.004 | 0.3990.002 |
| 2008 | 0.3990.002 | 0.3960.003 | 0.4020.003 | 0.4120.003 | 0.3990.004 | 0.3960.003 | 0.4050.004 | 0.4140.005 | 0.4030.002 | 0.4020.002 | 0.4170.002 | 0.4220.003 | 0.4060.002 |
| 2009 | 0.4320.006 | 0.4320.002 | 0.4250.004. | 0.4300.003 | 0.4310.005 | 0.4230.004 | 0.4320.003 | 0.4230.003 | 0.4220.005 | 0.4260.003 | 0.4150.002 | 0.4240.002 | 0.4260.002 |
| 2010 | 0.4310.005 | 0.4230.004 | 0.4110.005 | 0.4110.002 | 0.4190.002 | 0.4130.004 | 0.4090.002 | 0.4090.004 | 0.4030.001 |  |  |  | 0.4160.003 |
| 2011 |  | 0.3970.001 |  |  |  |  |  |  |  |  |  |  | 0.3970.001 |

**Таблица 18.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Алма-Ата, Казахстан (*Rc* = 6.7 ГВ)

в период 03.1962–04.1993

**Table 18.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Alma-Ata station, Kazakhstan (*Rc* = 6.7 GV) in the period of 03.1962–04.1993

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1962 |  |  | 0.244 0.002 | 0.237 0.003 | 0.247 0.002 | 0.241 0.002 | 0.244 0.002 | 0.239 0.001 | 0.236 0.003 | 0.243 0.002 | 0.238 0.004 | 0.236 0.005 | 0.241 0.001 |
| 1963 | 0.243 0.005 | 0.243 0.003 | 0.245 0.002 | 0.246 0.002 | 0.237 0.003 | 0.234 0.004 | 0.241 0.003 | 0.239 0.002 | 0.231 0.003 | 0.237 0.004 | 0.239 0.004 | 0.245 0.006 | 0.240 0.001 |
| 1964 | 0.241 0.002 | 0.243 0.002 | 0.239 0.002 | 0.244 0.003 | 0.247 0.001 | 0.251 0.006 | 0.238 0.004 | 0.239 0.004 | 0.242 0.003 | 0.242 0.002 | 0.233 0.006 | 0.253 0.003 | 0.243 0.002 |
| 1965 | 0.247 0.002 | 0.256 0.007 | 0.254 0.004 | 0.253 0.003 | 0.254 0.004 | 0.251 0.002 | 0.246 0.005 | 0.252 0.007 | 0.263 0.006 | 0.248 0.003 | 0.244 0.005 | 0.256 0.007 | 0.252 0.002 |
| 1966 | 0.238 0.007 | 0.236 0.003 | 0.231 0.002 | 0.232 0.006 | 0.236 0.005 | 0.228 0.003 | 0.226 0.007 | 0.231 0.004 | 0.223 0.004 | 0.228 0.003 | 0.231 0.003 | 0.228 0.004 | 0.231 0.001 |
| 1967 | 0.231 0.002 | 0.238 0.005 | 0.234 0.004 | 0.234 0.003 | 0.230 0.002 | 0.226 0.003 | 0.226 0.004 | 0.231 0.005 | 0.230 0.002 | 0.236 0.003 | 0.235 0.002 | 0.238 0.002 | 0.232 0.001 |
| 1968 | 0.224 0.003 | 0.227 0.003 | 0.237 0.003 | 0.225 0.004 | 0.229 0.002 | 0.219 0.004 | 0.223 0.004 | 0.220 0.001 | 0.221 0.002 | 0.226 0.003 | 0.220 0.002 | 0.228 0.009 | 0.225 0.001 |
| 1969 | 0.221 0.003 | 0.227 0.004 | 0.232 0.003 | 0.228 0.002 | 0.218 0.002 | 0.226 0.002 | 0.227 0.007 | 0.236 0.007 | 0.246 0.006 | 0.237 0.004 | 0.235 0.005 | 0.229 0.005 | 0.230 0.002 |
| 1970 | 0.236 0.005 | 0.235 0.004 | 0.235 0.004 | 0.235 0.004 | 0.235 0.004 | 0.218 0.003 | 0.222 0.004 | 0.229 0.006 | 0.220 0.002 | 0.220 0.004 | 0.223 0.003 | 0.222 0.001 | 0.228 0.002 |
| 1971 | 0.219 0.003 | 0.221 0.003 | 0.225 0.002 | 0.231 0.003 | 0.227 0.003 | 0.231 0.003 | 0.231 0.003 | 0.238 0.004 | 0.237 0.002 | 0.234 0.003 | 0.234 0.003 | 0.231 0.004 | 0.230 0.002 |
| 1972 | 0.237 0.002 | 0.227 0.003 | 0.233 0.002 | 0.229 0.002 | 0.238 0.002 | 0.232 0.003 | 0.233 0.002 | 0.226 0.004 | 0.230 0.002 | 0.227 0.003 | 0.227 0.004 | 0.230 0.003 | 0.231 0.001 |
| 1973 | 0.234 0.002 | 0.224 0.005 | 0.237 0.003 | 0.237 0.005 | 0.232 0.002 | 0.234 0.002 | 0.240 0.002 | 0.237 0.003 | 0.233 0.002 | 0.229 0.005 | 0.241 0.001 | 0.241 0.002 | 0.235 0.001 |
| 1974 | 0.235 0.001 | 0.237 0.001 | 0.240 0.002 | 0.243 0.003 | 0.235 0.004 | 0.235 0.002 | 0.233 0.002 | 0.231 0.002 | 0.232 0.002 | 0.235 0.001 | 0.237 0.003 | 0.234 0.002 | 0.236 0.001 |
| 1975 | 0.234 0.002 | 0.236 0.001 | 0.237 0.001 | 0.232 0.001 | 0.236 0.001 | 0.237 0.001 | 0.238 0.001 | 0.241 0.001 | 0.232 0.002 | 0.231 0.003 | 0.238 0.003 | 0.236 0.002 | 0.236 0.001 |
| 1976 | 0.235 0.003 | 0.238 0.002 | 0.237 0.002 | 0.239 0.001 | 0.232 0.002 | 0.233 0.001 | 0.237 0.001 | 0.239 0.001 | 0.242 0.001 | 0.242 0.002 | 0.239 0.001 | 0.235 0.008 | 0.237 0.001 |
| 1977 | 0.236 0.001 | 0.235 0.002 | 0.240 0.002 | 0.234 0.001 | 0.243 0.002 | 0.244 0.001 | 0.239 0.002 | 0.242 0.002 | 0.239 0.001 | 0.236 0.001 | 0.236 0.001 | 0.242 0.001 | 0.239 0.001 |
| 1978 | 0.240 0.001 | 0.239 0.001 | 0.239 0.002 | 0.230 0.002 | 0.230 0.002 | 0.226 0.001 | 0.227 0.002 | 0.229 0.001 | 0.235 0.002 | 0.231 0.001 | 0.232 0.001 | 0.228 0.001 | 0.232 0.001 |
| 1979 | 0.231 0.001 | 0.230 0.001 | 0.227 0.002 | 0.223 0.001 | 0.224 0.001 | 0.224 0.001 | 0.224 0.001 | 0.221 0.002 | 0.222 0.001 | 0.226 0.002 | 0.227 0.002 | 0.228 0.002 | 0.226 0.001 |
| 1980 | 0.227 0.001 | 0.224 0.001 | 0.226 0.001 | 0.229 0.002 | 0.229 0.001 | 0.223 0.001 | 0.223 0.001 | 0.218 0.001 | 0.223 0.001 | 0.223 0.001 | 0.218 0.001 | 0.219 0.001 | 0.224 0.001 |
| 1981 | 0.224 0.001 | 0.218 0.001 | 0.219 0.001 | 0.217 0.001 | 0.212 0.002 | 0.220 0.001 | 0.222 0.001 | 0.220 0.002 | 0.222 0.002 | 0.220 0.001 | 0.215 0.001 | 0.215 0.001 | 0.219 0.001 |
| 1982 | 0.225 0.002 | 0.214 0.001 | 0.214 0.002 | 0.217 0.002 | 0.217 0.001 | 0.214 0.002 | 0.209 0.003 | 0.211 0.002 | 0.210 0.001 | 0.210 0.002 | 0.210 0.001 | 0.212 0.001 | 0.214 0.001 |
| 1983 | 0.214 0.001 | 0.215 0.001 | 0.222 0.001 | 0.220 0.001 | 0.218 0.001 | 0.223 0.001 | 0.225 0.001 | 0.222 0.001 | 0.219 0.001 | 0.226 0.001 | 0.226 0.001 | 0.223 0.009 | 0.221 0.001 |
| 1984 | 0.224 0.001 | 0.225 0.001 | 0.226 0.001 | 0.223 0.001 | 0.216 0.001 | 0.214 0.001 | 0.219 0.001 | 0.223 0.001 | 0.224 0.001 | 0.222 0.001 | 0.223 0.001 | 0.223 0.001 | 0.222 0.001 |
| 1985 | 0.225 0.001 | 0.227 0.001 | 0.228 0.001 | 0.233 0.001 | 0.234 0.001 | 0.232 0.001 | 0.235 0.001 | 0.240 0.001 | 0.232 0.001 | 0.237 0.001 | 0.236 0.001 | 0.236 0.002 | 0.233 0.001 |
| 1986 | 0.232 0.002 | 0.231 0.002 | 0.233 0.001 | 0.231 0.002 | 0.231 0.002 | 0.236 0.001 | 0.238 0.002 | 0.237 0.002 | 0.236 0.001 | 0.236 0.001 | 0.236 0.002 | 0.238 0.001 | 0.235 0.001 |
| 1987 | 0.239 0.001 | 0.242 0.001 | 0.239 0.001 | 0.240 0.002 | 0.243 0.001 | 0.240 0.002 | 0.238 0.001 | 0.239 0.001 | 0.244 0.001 | 0.239 0.001 | 0.238 0.001 | 0.238 0.001 | 0.239 0.001 |
| 1988 | 0.236 0.001 | 0.236 0.001 | 0.236 0.001 | 0.232 0.002 | 0.233 0.002 | 0.229 0.001 | 0.229 0.001 | 0.232 0.001 | 0.227 0.001 | 0.231 0.001 | 0.229 0.001 | 0.226 0.001 | 0.231 0.001 |
| 1989 | 0.227 0.001 | 0.225 0.001 | 0.215 0.002 | 0.214 0.001 | 0.212 0.001 | 0.214 0.001 | 0.215 0.001 | 0.216 0.001 | 0.214 0.002 | 0.205 0.002 | 0.212 0.001 | 0.211 0.001 | 0.215 0.002 |
| 1990 | 0.216 0.001 | 0.218 0.001 | 0.211 0.002 | 0.207 0.002 | 0.204 0.001 | 0.205 0.002 | 0.205 0.002 | 0.211 0.002 | 0.212 0.008 | 0.218 0.002 |  | 0.220 0.007 | 0.212 0.002 |
| 1991 | 0.224 0.004 | 0.236 0.003 | 0.218 0.003 | 0.224 0.003 | 0.228 0.002 | 0.205 0.003 | 0.195 0.004 | 0.214 0.004 | 0.227 0.003 | 0.226 0.002 |  |  | 0.220 0.004 |
| 1992 |  | 0.232 0.002 |  |  |  |  | 0.242 0.003 |  | 0.235 0.002 | 0.229 0.003 |  |  | 0.235 0.003 |
| 1993 |  |  | 0.223 0.003 | 0.236 0.003 |  |  |  |  |  |  |  |  | 0.230 0.007 |

**Таблица 19.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Мирный, Антарктида (*Rc* = 0.03 ГВ)

в период 03.1963–12.2011

**Table 19.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Mirny station, Antarctica (*Rc* = 0.03 GV) in the period of 03.1963–12.2011

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1963 |  |  | 0.444 0.003 | 0.440 0.004 | 0.434 0.007 | 0.441 0.005 | 0.436 0.005 | 0.432 0.005 | 0.426 0.009 | 0.433 0.005 | 0.432 0.006 | 0.437 0.006 | 0.436 0.002 |
| 1964 | 0.455 0.005 | 0.439 0.002 | 0.455 0.010 | 0.450 0.003 | 0.460 0.005 | 0.455 0.002 | 0.462 0.005 | 0.454 0.007 | 0.459 0.006 | 0.464 0.004 | 0.463 0.002 | 0.481 0.006 | 0.458 0.003 |
| 1965 | 0.481 0.006 | 0.500 0.007 | 0.501 0.003 | 0.508 0.004 | 0.506 0.005 | 0.500 0.006 | 0.506 0.013 | 0.491 0.006 | 0.482 0.005 | 0.489 0.004 | 0.492 0.007 | 0.506 0.005 | 0.497 0.003 |
| 1966 | 0.495 0.007 | 0.497 0.009 | 0.472 0.007 | 0.477 0.003 | 0.499 0.006 | 0.476 0.004 | 0.464 0.006 | 0.466 0.009 | 0.428 0.007 | 0.441 0.006 | 0.444 0.006 | 0.446 0.006 | 0.467 0.007 |
| 1967 | 0.426 0.004 | 0.401 0.013 | 0.421 0.009 | 0.408 0.003 | 0.400 0.009 | 0.402 0.003 | 0.414 0.004 | 0.402 0.002 | 0.396 0.005 | 0.407 0.002 | 0.393 0.003 | 0.394 0.004 | 0.405 0.003 |
| 1968 | 0.407 0.007 | 0.395 0.005 | 0.391 0.002 | 0.404 0.003 | 0.395 0.003 | 0.381 0.003 | 0.379 0.004 | 0.392 0.002 | 0.381 0.002 | 0.363 0.003 | 0.339 0.006 | 0.336 0.003 | 0.380 0.007 |
| 1969 | 0.361 0.002 | 0.366 0.004 | 0.352 0.006 | 0.350 0.006 | 0.334 0.003 | 0.336 0.003 | 0.342 0.004 | 0.343 0.004 | 0.357 0.002 | 0.344 0.003 | 0.343 0.003 | 0.341 0.002 | 0.347 0.003 |
| 1970 | 0.357 0.007 | 0.372 0.003 | 0.370 0.005 | 0.352 0.004 | 0.352 0.003 | 0.336 0.003 | 0.340 0.006 | 0.341 0.006 | 0.356 0.004 | 0.356 0.004 | 0.353 0.006 | 0.374 0.004 | 0.355 0.004 |
| 1971 | 0.378 0.006 | 0.359 0.008 | 0.361 0.003 | 0.370 0.005 | 0.372 0.006 | 0.398 0.004 | 0.405 0.006 | 0.415 0.008 | 0.407 0.006 | 0.416 0.005 | 0.423 0.012 | 0.417 0.018 | 0.393 0.007 |
| 1972 | 0.448 0.009 | 0.428 0.004 | 0.441 0.007 | 0.455 0.003 | 0.453 0.004 | 0.428 0.004 | 0.450 0.003 | 0.387 0.012 | 0.442 0.008 | 0.451 0.007 | 0.451 0.012 | 0.460 0.005 | 0.441 0.006 |
| 1973 | 0.459 0.004 | 0.471 0.009 | 0.441 0.005 | 0.422 0.003 | 0.410 0.005 | 0.430 0.003 | 0.436 0.003 | 0.447 0.004 | 0.449 0.002 | 0.453 0.002 | 0.460 0.003 | 0.468 0.003 | 0.446 0.005 |
| 1974 | 0.456 0.003 | 0.465 0.002 | 0.463 0.004 | 0.447 0.002 | 0.435 0.002 | 0.430 0.002 | 0.403 0.003 | 0.418 0.003 | 0.407 0.003 | 0.401 0.002 | 0.406 0.001 | 0.419 0.002 | 0.429 0.007 |
| 1975 | 0.430 0.003 | 0.452 0.002 | 0.449 0.001 | 0.457 0.002 | 0.467 0.001 | 0.468 0.002 | 0.466 0.001 | 0.460 0.002 | 0.466 0.002 | 0.462 0.001 | 0.457 0.002 | 0.459 0.001 | 0.458 0.003 |
| 1976 | 0.463 0.003 | 0.458 0.002 | 0.454 0.003 | 0.453 0.003 | 0.459 0.002 | 0.471 0.002 | 0.475 0.002 | 0.479 0.002 | 0.480 0.002 | 0.479 0.002 | 0.472 0.001 | 0.476 0.002 | 0.468 0.003 |
| 1977 | 0.474 0.002 | 0.470 0.002 | 0.474 0.002 | 0.468 0.003 | 0.471 0.002 | 0.471 0.002 | 0.460 0.002 | 0.457 0.002 | 0.459 0.003 | 0461 0.002 | 0.470 0.003 | 0.473 0.002 | 0.467 0.002 |
| 1978 | 0.457 0.003 | 0.453 0.003 | 0.441 0.004 | 0.426 0.004 | 0.397 0.007 | 0.418 0.003 | 0.412 0.003 | 0.433 0.002 | 0.437 0.004 | 0.418 0.002 | 0.428 0.002 | 0.425 0.003 | 0.429 0.005 |
| 1979 | 0.414 0.002 | 0.411 0.004 | 0.392 0.002 | 0.373 0.002 | 0.387 0.003 | 0.368 0.002 | 0.358 0.003 | 0.348 0.005 | 0.339 0.004 | 0.349 0.002 | 0.354 0.003 | 0.366 0.002 | 0.372 0.007 |
| 1980 | 0.366 0.002 | 0.362 0.002 | 0.370 0.001 | 0.361 0.003 | 0.364 0.001 | 0.338 0.002 | 0.335 0.001 | 0.336 0.002 | 0.333 0.001 | 0.326 0.002 | 0.318 0.001 | 0.321 0.001 | 0.344 0.006 |
| 1981 | 0.328 0.001 | 0.321 0.002 | 0.314 0.002 | 0.311 0.002 | 0.299 0.003 | 0.321 0.002 | 0.327 0.003 | 0.324 0.002 | 0.331 0.001 | 0.319 0.003 | 0.317 0.002 | 0.332 0.002 | 0.320 0.003 |
| 1982 | 0.340 0.002 | 0.330 0.002 | 0.343 0.002 | 0.346 0.002 | 0.354 0.001 | 0.331 0.004 | 0.302 0.005 | 0.304 0.002 | 0.286 0.003 | 0.295 0.002 | 0.300 0.001 | 0.289 0.002 | 0.318 0.007 |
| 1983 | 0.304 0.004 | 0.320 0.003 | 0.336 0.002 | 0.339 0.002 | 0.321 0.002 | 0.330 0.002 | 0.347 0.002 | 0.344 0.002 | 0.357 0.002 | 0.353 0.002 | 0.358 0.001 | 0.359 0.002 | 0.339 0.005 |
| 1984 | 0.368 0.002 | 0.362 0.002 | 0.351 0.002 | 0.340 0.003 | 0.336 0.002 | 0.347 0.002 | 0.353 0.003 | 0.360 0.002 | 0.361 0.003 | 0.366 0.002 | 0.365 0.002 | 0.366 0.002 | 0.357 0.003 |
| 1985 | 0.365 0.002 | 0.375 0.002 | 0.388 0.002 | 0.392 0.002 | 0.394 0.003 | 0.404 0.001 | 0.404 0.002 | 0.404 0.002 | 0.411 0.002 | 0.417 0.002 | 0.428 0.002 | 0.420 0.001 | 0.400 0.005 |
| 1986 | 0.423 0.002 | 0.397 0.004 | 0.406 0.002 | 0.428 0.002 | 0.437 0.001 | 0.444 0.001 | 0.449 0.002 | 0.450 0.002 | 0.452 0.002 | 0.456 0.001 | 0.443 0.002 | 0.457 0.001 | 0.437 0.006 |
| 1987 | 0.465 0.002 | 0.478 0.001 | 0.477 0.002 | 0.474 0.001 | 0.470 0.002 | 0.459 0.002 | 0.448 0.003 | 0.427 0.002 | 0.414 0.002 | 0.416 0.002 | 0.408 0.002 | 0.413 0.002 | 0.446 0.008 |
| 1988 | 0.392 0.003 | 0.405 0.002 | 0.414 0.002 | 0.409 0.002 | 0.417 0.002 | 0.413 0.002 | 0.401 0.002 | 0.396 0.003 | 0.400 0.002 | 0.397 0.001 | 0.386 0.002 | 0.370 0.004 | 0.400 0.004 |
| 1989 | 0.352 0.002 | 0.353 0.002 | 0.327 0.005 | 0.327 0.002 | 0.314 0.003 | 0.310 0.002 | 0.324 0.002 | 0.322 0.003 | 0.290 0.003 | 0.295 0.004 | 0.278 0.003 | 0.287 0.001 | 0.315 0.007 |
| 1990 | 0.292 0.001 | 0.300 0.001 | 0.290 0.002 | 0.279 0.002 | 0.279 0.002 | 0.276 0.001 | 0.275 0.003 | 0.282 0.001 | 0.290 0.001 | 0.293 0.001 | 0.297 0.002 | 0.305 0.001 | 0.288 0.003 |
| 1991 | 0.318 0.002 | 0.324 0.002 | 0.303 0.005 | 0.301 0.003 | 0.311 0.002 | 0.258 0.006 | 0.258 0.003 | 0.285 0.003 | 0.295 0.002 | 0.308 0.002 | 0.313 0.003 | 0.320 0.003 | 0.300 0.005 |
| 1992 | 0.339 0.004 | 0.330 0.003 | 0.329 0.004 | 0.358 0.003 | 0.357 0.008 |  | 0.377 0.007 | 0.400 0.004 | 0.409 0.007 | 0.412 0.006 | 0.402 0.005 | 0.409 0.006 | 0.375 0.010 |
| 1993 | 0.385 0.006 | 0.393 0.003 | 0.383 0.003 | 0.388 0.003 | 0.407 0.004 | 0.394 0.004 | 0.414 0.003 | 0.406 0.004 | 0.419 0.003 | 0.413 0.003 | 0.415 0.003 | 0.420 0.002 | 0.403 0.004 |
| 1994 | 0.415 0.004 | 0.410 0.006 | 0.418 0.008 | 0.422 0.006 | 0.440 0.008 | 0.431 0.004 | 0.433 0.003 | 0.434 0.006 | 0.441 0.004 | 0.421 0.004 | 0.433 0.003 | 0.435 0.004 | 0.428 0.003 |
| 1995 | 0.431 0.003 | 0.457 0.009 | 0.429 0.005 | 0.416 0.005 | 0.458 0.003 | 0.458 0.003 | 0.462 0.003 | 0.467 0.003 | 0.484 0.002 | 0.479 0.015 | 0.466 0.004 | 0.473 0.004 | 0.456 0.007 |
| 1996 | 0.471 0.004 | 0.464 0.007 | 0.480 0.005 | 0.485 0.011 |  |  | 0.501 0.010 | 0.467 0.004 | 0.465 0.004 | 0.460 0.002 | 0.451 0.005 | 0.457 0.003 | 0.469 0.004 |
| 1997 | 0454 0.006 | 0.462 0.003 | 0.477 0.004 | 0.471 0.002 | 0.478 0.004 | 0.467 0.004 | 0.482 0.004 | 0.495 0.004 | 0.486 0.003 | 0.462 0.003 | 0.468 0.002 | 0.473 0.004 | 0.473 0.003 |
| 1998 | 0.484 0.005 | 0.467 0.009 | 0.472 0.008 | 0.440 0.004 | 0.420 0.003 | 0.422 0.002 | 0.438 0.003 | 0.431 0.005 | 0.438 0.004 | 0.443 0.003 | 0.434 0.003 | 0.423 0.003 | 0.443 0.006 |
| 1999 | 0.429 0.003 | 0.416 0.005 | 0.416 0.003 | 0.419 0.004 | 0.415 0.004 | 0.419 0.004 | 0.424 0.006 | 0.412 0.005 | 0.379 0.003 | 0.362 0.003 | 0.358 0.003 | 0.352 0.003 | 0.400 0.008 |
| 2000 | 0.350 0.004 | 0.346 0.005 | 0.338 0.002 | 0.344 0.003 | 0.333 0.006 | 0.312 0.003 | 0.291 0.006 | 0.301 0.004 | 0.309 0.002 | 0.318 0.003 | 0.300 0.004 | 0.288 0.005 | 0.319 0.006 |
| 2001 | 0.288 0.004 | 0.332 0.004 | 0.326 0.004 | 0.308 0.005 | 0.305 0.002 | 0.300 0.003 | 0.325 0.003 | 0.321 0.009 | 0.314 0.004 | 0.303 0.005 | 0.313 0.006 | 0.331 0.005 | 0.314 0.004 |
| 2002 | 0.313 0.003 | 0.316 0.006 | 0.313 0.003 | 0.327 0.010 | 0.339 0.003 | 0.338 0.003 | 0.336 0.003 | 0.318 0.002 | 0.320 0.002 | 0.332 0.002 | 0.327 0.002 | 0.333 0.002 | 0.326 0.003 |
| 2003 | 0.339 0.003 | 0.334 0.002 | 0.335 0.002 | 0.315 0.003 | 0.322 0.002 | 0.312 0.003 | 0.320 0.002 | 0.336 0.002 | 0.332 0.002 | 0.340 0.004 | 0.315 0.004 | 0.324 0.004 | 0.327 0.003 |
| 2004 | 0.326 0.003 | 0.333 0.003 | 0.339 0.003 | 0.372 0.003 | 0.380 0.002 | 0.378 0.001 |  |  |  |  |  |  | 0.335 0.010 |
| 2005 | 0.310 0.015 | 0.371 0.003 | 0.366 0.003 | 0.383 0.003 | 0.376 0.004 | 0.385 0.003 | 0.386 0.004 | 0.379 0.002 | 0.364 0.007 | 0.387 0.003 | 0.397 0.003 | 0.384 0.002 | 0.374 0.006 |
| 2006 | 0.407 0.003 | 0.413 0.005 | 0.436 0.005 | 0.414 0.005 | 0.443 0.004 | 0.452 0.006 | 0.451 0.004 | 0.447 0.003 | 0.441 0.007 | 0.430 0.004 | 0.450 0.003 | 0.437 0.008 | 0.435 0.005 |
| 2007 | 0.453 0.005 | 0.455 0.002 | 0.458 0.002 | 0.4400.003 | 0.4620.002 | 0.4510.004 | 0.4690.003 | 0.4610.004 | 0.4700.003 | 0.4760.003 | 0.4750.004 | 0.4720.002 | 0.4620.003 |
| 2008 | 0.4570.004 | 0.4610.002 | 0.4560.007 | 0.4690.004 | 0.4590.003 | 0.4640.003 | 0.4600.003 | 0.4710.004 | 0.4740.004 | 0.4890.002 | 0.4860.004 | 0.4880.004 | 0.4700.004 |
| 2009 | 0.4870.002 | 0.4760.002 | 0.5020.002 | 0.5030.003 |  |  |  |  |  |  |  |  | 0.4540.007 |
| 2010 | 0.4920.005 | 0.4970.007 | 0.4820.004 | 0.4510.003 | 0.4600.009 | 0.4400.007 | 0.4370.001 | 0.4330.003 | 0.4260.003 | 0.4480.005 | 0.4500.008 | 0.4370.004 | 0.4920.006 |
| 2011 | 0.4480.010 | 0.4710.005 | 0.4390.010 | 0.4330.005 | 0.4310.006 | 0.4070.010 | 0.4200.002 | 0.4200.004 | 0.4180.009 | 0.4160.012 | 0.4090.014 | 0.4370.004 | 0.4290.005 |

**Таблица 20.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 в Симеизе, Крым (*Rc* = 5.9 ГВ) в период

04.1961–12.1961

**Table 20.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Simeiz, Crimea (*Rc* = 5.9 GV) in the period of 04.1961–12.1961

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1961 |  |  |  | 0.256 0.008 | 0.256 0.006 | 0.238 0.008 | 0.254 0.004 | 0.243 0.004 | 0.260 0.005 | 0.262 0.004 | 0.267 0.003 | 0.262 0.005 | 0.255 0.003 |

**Таблица 21.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Норильск, Красноярский край (*Rс* = 0.6 ГВ) в период 11.1974–06.1982

**Table 21.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Norilsk station, Krasnoyarsk Territory (*Rc* = 0.6 GV) in the period of 11.1974–06.1982

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1974 |  |  |  |  |  |  |  |  |  |  | 0.420 0.003 | 0.426 0.003 | 0.423 0.003 |
| 1975 | 0.450 0.002 | 0.449 0.003 | 0.456 0.003 | 0.459 0.003 | 0.462 0.002 | 0.470 0.003 | 0.485 0.003 | 0.474 0.006 |  | 0.465 0.002 | 0.454 0.004 | 0.462 0.002 | 0.462 0.003 |
| 1976 | 0.463 0.003 | 0.466 0.005 | 0.452 0.006 | 0.461 0.003 | 0.463 0.003 | 0.480 0.003 | 0.474 0.006 | 0.480 0.008 | 0.476 0.004 | 0.484 0.003 | 0.481 0.004 | 0.479 0.003 | 0.472 0.001 |
| 1977 | 0.473 0.002 | 0.472 0.003 | 0.481 0.005 | 0.479 0.004 | 0.486 0.004 | 0.480 0.003 | 0.469 0.003 | 0.468 0.005 | 0.466 0.008 | 0.460 0.005 |  |  | 0.473 0.003 |
| 1978 |  |  |  | 0.438 0.013 |  |  |  |  |  |  |  |  | 0.438 0.013 |
| 1979 |  |  |  | 0.393 0.006 | 0.388 0.005 | 0.386 0.007 | 0.381 0.005 | 0.378 0.004 | 0.343 0.004 | 0.358 0.005 | 0.366 0.005 | 0.382 0.004 | 0.375 0.005 |
| 1980 | 0.371 0.004 | 0.372 0.003 | 0.386 0.003 | 0.359 0.005 | 0.370 0.003 | 0.342 0.002 | 0.334 0.004 | 0.337 0.002 | 0.333 0.002 | 0.318 0.007 | 0.309 0.004 | 0.314 0.004 | 0.345 0.007 |
| 1981 | 0.324 0.005 | 0.312 0.003 | 0.316 0.004 | 0.313 0.003 | 0.306 0.005 | 0.325 0.003 | 0.330 0.002 |  | 0.345 0.003 | 0.320 0.007 | 0.324 0.004 | 0.332 0.003 | 0.322 0.003 |
| 1982 | 0.349 0.004 | 0.328 0.006 | 0.364 0.003 | 0.362 0.003 | 0.366 0.006 | 0.344 0.009 |  |  |  |  |  |  | 0.352 0.006 |

**Таблица 22.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Ереван, Армения (*Rc* = 7.6 ГВ)

в период 01.1976–05.1989

**Table 22.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Yerevan station, Armenia (*Rc* = 7.6 GV) in the period of 01.1976–05.1989

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1976 | 0.232 0.005 | 0.220 0.007 | 0.229 0.004 | 0.221 0.001 | 0.223 0.001 | 0.220 0.001 | 0.214 0.002 | 0.228 0.001 | 0.217 0.006 | 0.224 0.006 | 0.223 0.003 | 0.225 0.007 | 0.223 0.001 |
| 1977 | 0 210 0.006 |  |  | 0.229 0.011 |  | 0.212 0.003 |  |  |  | 0.179 0.005 | 0.191 0.006 |  | 0.204 0.009 |
| 1978 |  |  |  |  |  |  |  |  |  | 0.204 0.004 | 0.206 0.005 | 0.210 0.003 | 0.207 0.002 |
| 1979 | 0.199 0.006 | 0.214 0.006 | 0.202 0.003 | 0.200 0.002 | 0.212 0.004 | 0.201 0.001 |  |  |  |  |  |  | 0.205 0.003 |
| 1980 |  |  |  | 0.196 0.004 | 0.202 0.001 |  |  |  |  |  |  |  | 0.199 0.003 |
| 1981 | 0.196 0.001 | 0.187 0.004 | 0.193 0.003 | 0.194 0.003 | 0.191 0.002 | 0.188 0.002 | 0.200 0.001 |  | 0.209 0.003 | 0.197 0.003 | 0.202 0.002 | 0.216 0.004 | 0.198 0.003 |
| 1982 | 0.223 0.007 | 0.201 0.003 | 0.208 0.004 | 0.201 0.002 | 0.212 0.002 | 0.200 0.004 | 0.198 0.004 | 0.205 0.004 | 0.213 0.005 | 0.202 0.006 |  |  | 0.206 0.002 |
| 1983 | 0.198 0.004 | 0.210 0.007 | 0.219 0.004 | 0.216 0.003 | 0.208 0.005 | 0.205 0.002 | 0.202 0.004 | 0.205 0.002 | 0.211 0.002 | 0.220 0.002 | 0.214 0.002 | 0.211 0.003 | 0.210 0.002 |
| 1984 | 0.231 0.005 | 0.218 0.001 | 0.214 0.002 | 0.218 0.002 | 0.207 0.002 | 0.215 0.004 | 0.215 0.002 | 0.214 0.002 | 0.210 0.004 | 0.213 0.001 | 0.217 0.002 | 0.211 0.003 | 0.215 0.002 |
| 1985 | 0.211 0.002 | 0.209 0.002 | 0.216 0.002 |  |  | 0.215 0.002 | 0.218 0.001 | 0.211 0.003 | 0.213 0.002 | 0.216 0.002 | 0.218 0.001 | 0.216 0.002 | 0.214 0.001 |
| 1986 | 0.213 0.002 | 0.210 0.002 | 0.213 0.002 | 0.219 0.002 | 0.218 0.001 | 0.215 0.002 | 0.220 0.001 | 0.220 0.002 | 0.220 0.002 | 0.220 0.001 | 0.220 0.002 | 0.217 0.002 | 0.217 0.001 |
| 1987 | 0.221 0.004 | 0.226 0.003 | 0.226 0.007 | 0.222 0.002 | 0.220 0.002 | 0.224 0.002 | 0.210 0.002 | 0.222 0.001 | 0.207 0.008 | 0.224 0.004 | 0.217 0.002 |  | 0.220 0.002 |
| 1988 | 0.212 0.003 | 0.214 0.003 | 0.213 0.002 | 0.209 0.002 | 0.209 0.003 | 0.205 0.004 |  | 0.211 0.002 | 0.212 0.003 | 0.208 0.001 | 0.212 0.002 | 0.209 0.002 | 0.210 0.001 |
| 1989 | 0.202 0.002 | 0.209 0.002 | 0.204 0.002 | 0.210 0.004 | 0.200 0.002 |  |  |  |  |  |  |  | 0.206 0.002 |

**Таблица 23.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Тикси, Якутия (*Rc* = 0.5 ГВ)

в период 02.1978–09.1987

**Table 23.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Tixie station, Yakutiya (*Rc* = 0.5 GV) in the period of 02.1978–09.1987

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1978 |  | 0.445 0.011 | 0.434 0.005 | 0.438 0.005 | 0.382 0.013 | 0.407 0.004 | 0.417 0.004 | 0.424 0.006 | 0.428 0.002 | 0.424 0.003 | 0.423 0.007 | 0.418 0.010 | 0.422 0.005 |
| 1979 | 0.414 0.004 | 0.404 0.006 | 0.398 0.004 | 0.382 0.004 | 0.392 0.005 | 0.367 0.005 | 0.363 0.003 | 0.359 0.007 | 0.348 0.004 | 0.352 0.005 | 0.350 0.006 | 0.367 0.002 | 0.375 0.007 |
| 1980 | 0.370 0.004 | 0.364 0.004 | 0.364 0.003 | 0.364 0.005 | 0.358 0.003 | 0.334 0.006 | 0.337 0.003 | 0.329 0.002 | 0.325 0.002 | 0.322 0.002 | 0.312 0.004 | 0.318 0.006 | 0.341 0.006 |
| 1981 | 0.327 0.002 | 0.326 0.004 | 0.309 0.003 | 0.302 0.007 | 0.292 0.003 | 0.324 0.004 | 0.318 0.002 | 0.310 0.005 | 0.327 0.002 | 0.318 0.007 | 0.319 0.002 | 0.310 0.009 | 0.315 0.003 |
| 1982 | 0.346 0.004 | 0.314 0.005 | 0.350 0.005 | 0.354 0.004 | 0.350 0.008 | 0.327 0.006 | 0.299 0.010 | 0.299 0.010 | 0.281 0.008 | 0.310 0.002 | 0.308 0.003 | 0.299 0.005 | 0.320 0.007 |
| 1983 | 0.332 0.006 | 0.321 0.005 | 0.331 0.003 | 0.330 0.003 | 0.311 0.003 | 0.320 0.002 | 0.332 0.002 | 0.336 0.005 | 0.348 0.001 | 0.363 0.004 | 0.363 0.003 | 0.364 0.003 | 0.338 0.005 |
| 1984 | 0.379 0.004 | 0.366 0.005 | 0.353 0.002 | 0.344 0.003 | 0.334 0.003 | 0.339 0.003 | 0.344 0.003 | 0.356 0.005 | 0.358 0.004 | 0.358 0.003 | 0.352 0.003 | 0.357 0.004 | 0.353 0.004 |
| 1985 |  |  | 0.381 0.007 | 0.397 0.002 | 0.398 0.003 | 0.390 0.004 | 0.413 0.002 | 0.393 0.012 | 0.439 0.004 | 0.421 0.004 | 0.434 0.010 | 0.431 0.004 | 0.410 0.007 |
| 1986 | 0.429 0.003 |  | 0.427 0.002 | 0.432 0.004 | 0.438 0.003 | 0.452 0.003 | 0.450 0.003 | 0.452 0.005 | 0.462 0.002 | 0.456 0.002 | 0.452 0.002 | 0.457 0.003 | 0.446 0.004 |
| 1987 | 0.465 0.002 | 0.479 0.003 | 0.479 0.002 | 0.471 0.002 | 0.465 0.005 | 0.451 0.010 | 0.458 0.002 | 0.446 0.003 | 0.439 0.003 |  |  |  | 0.461 0.004 |

**Таблица 24.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Дальнереченск, Хабаровский край

(*Rc* = 7.35 ГВ) в период 08.1978–04.1982

**Table 24.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Dalnerechensk station, Khabarovsk Territory (*Rc* = 7.35 GV) in the period

of 08.1978–04.1982

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1978 |  |  |  |  |  |  |  | 0.238 0.003 | 0.240 0.002 | 0.233 0.002 | 0.239 0.002 |  | 0.238 0.002 |
| 1979 |  | 0.229 0.002 | 0.226 0.002 | 0.232 0.004 | 0.215 0.002 | 0.220 0.002 | 0.210 0.003 | 0.212 0.002 | 0.214 0.003 | 0.228 0.003 |  |  | 0.221 0.003 |
| 1980 |  |  |  |  |  |  | 0.206 0.003 | 0.218 0.006 | 0.216 0.006 | 0.211 0.006 | 0.234 0.012 | 0.199 0.005 | 0.214 0.005 |
| 1981 | 0.203 0.003 | 0.218 0.006 | 0.190 0.015 | 0.218 0.008 | 0.196 0.006 | 0.199 0.007 | 0 188 0.003 |  |  | 0.220 0.014 | 0.197 0.006 | 0.204 0.008 | 0.203 0.004 |
| 1982 | 0.214 0.011 | 0.227 0.001 | 0.183 0.001 | 0.204 0.006 |  |  |  |  |  |  |  |  | 0.207 0.009 |

**Таблица 25.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Восток, Антарктида (*R*c = 0.0 ГВ)

в период 01.1980–02.1980

**Table 25.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Vostok station, Antarctica (*R*c = 0.0 GV) in the period of 01.1980–02.1980

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1980 | 0.362 0.003 | 0.360 0.003 |  |  |  |  |  |  |  |  |  |  | 0.361 0.001 |

**Таблица 26.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Баренцбург, Шпитцберген, Норвегия

(*R*c = 0.06 ГВ) в период 05.1982, 03–07.1983

**Table 26.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Barentzburg station, Spitzbergen, Norway (*R*c = 0.06 GV) in the period of 05.1982, 03–07.1983

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1982 |  |  |  |  | 0.361 0.011 |  |  |  |  |  |  |  | 0.361 0.011 |
| 1983 |  |  | 0.321 0.004 | 0.333 0.002 | 0.320 0.004 | 0.325 0.002 | 0.318 0.009 |  |  |  |  |  | 0.323 0.003 |

**Таблица 27.** Среднемесячные значения вертикальных потоков космических лучей в максимуме кривой поглощения в атмосфере

(*N*2m ± σ, см–2⋅c–1⋅cр–1), измеренные телескопом из 2-х газоразрядных счетчиков СТС-6 на станции Кампинас, Бразилия (*Rc* = 10.9 ГВ) в период 01.1988–02.1991

**Table 27.** Monthly averaged values of vertical cosmic ray fluxes at the maximum of absorption curve in the atmosphere (*N*2m ± σ, cm–2⋅s–1⋅sr–1) measured with a telescope from 2 gas-discharged counters of STS-6 at Campinas, Brazil (*Rc* = 10.9 GV) in the period of 01.1988–02.1991

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1988 | 0.164 0.005 | 0.165 0.002 | 0.163 0.001 | 0.158 0.004 | 0.160 0.001 | 0.159 0.001 | 0.164 0.003 | 0.164 0.002 | 0.162 0.006 | 0.162 0.005 | 0.148 0.004 | 0.152 0.002 | 0.160 0.002 |
| 1989 | 0.160 0.001 |  | 0.156 0.005 | 0.152 0.005 | 0.156 0.005 | 0.154 0.002 |  | 0.158 0.002 | 0.159 0.005 | 0.156 0.001 | 0.152 0.006 |  | 0.156 0.001 |
| 1990 |  |  | 0.164 0.005 | 0.158 0.002 | 0.161 0.005 |  |  | 0.168 0.003 | 0.169 0.006 | 0.167 0.005 |  |  | 0.165 0.002 |
| 1991 | 0.158 0.001 | 0.158 0.001 |  |  |  |  |  |  |  |  |  |  | 0.158 0.001 |

ТАБЛИЦЫ 28–30 Среднемесячных значений потоков гамма-квантов с энергией *Е* > 20 КЭВ в максимуме кривой поглощения в атмосфере (*N*3m ± σ, см–2⋅c–1), измеренных кристаллом *NaJ*(*Tl*) на станциях, указанных в таблице 1

TABLES 28–30 of Monthly averaged values of gamma-ray fluxes with energy *E* > 20 KEV at the maximum of absorption curve in the atmosphere (*N*3m ± σ, cm–2⋅s–1) measured with a crystal *NaJ*(*Tl*) at the stations given in the table 1

**Таблица 28.** Среднемесячные значения потоков гамма-квантов с энергией *Е* > 20 кэВ в максимуме кривой поглощения в атмосфере

(*N*3m ± σ, см–2⋅c–1), измеренные кристаллом *NaJ*(*Tl*) на северных полярных широтах Мурманской области (*Rс* = 0.6 ГВ) в период

03.1965–12.1968

**Table 28.** Monthly averaged values of gamma-ray fluxes with energy *E* > 20 keV at the maximum of absorption curve in the atmosphere

(*N*3m ± σ, cm–2⋅s–1) measured with a crystal *NaJ*(*Tl*) at the northern polar latitudes of Murmansk region (*Rс* = 0.6 GV) in the period of

03.1965–12.1968

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1965 |  |  | 24.870.75 | 24.330.83 | 27.151.90 | 23.371.00 | 23.070.70 | 25.170.63 | 24.550.70 | 24.831.13 | 28.050.19 | 26.481.98 | 25.190.50 |
| 1966 | 22.051.43 | 22.620.68 | 20.970.05 |  |  | 22.770.07 | 24.132.08 | 24.100.37 |  | 28.201.31 | 26.851.44 | 23.700.59 | 23.930.77 |
| 1967 | 24.850.57 | 23.081.02 | 24.950.33 | 24.730.36 | 23.930.28 | 23.970.34 | 24.620.40 | 24.100.31 | 24.770.53 | 24.580.45 | 24.020.29 | 23.020.59 | 24.220.19 |
| 1968 | 22.530.44 | 21.370.53 | 21.370.20 | 22.280.26 | 21.550.44 | 21.550.38 | 21.130.70 | 20.870.32 | 21.020.14 | 19.971.23 | 19.930.60 | 19.350.30 | 21.080.27 |

**Таблица 29.** Среднемесячные значения потоков гамма-квантов с энергией *Е* > 20 кэВ в максимуме кривой поглощения в атмосфере

(*N*3m ± σ, см–2⋅c–1), измеренные кристаллом *NaJ*(*Tl*) на станции Долгопрудный, Московская область (*Rс* = 2.4 ГВ) в период 10.1964–12.1969

**Table 29.** Monthly averaged values of gamma-ray fluxes with energy *E* > 20 keV at the maximum of absorption curve in the atmosphere

(*N*3m ± σ, cm–2⋅s–1) measured with a crystal *NaJ*(*Tl*) at Dolgoprudny station, Moscow region (*Rс* = 2.4 GV) in the period of 10.1964–12.1969

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1964 |  |  |  |  |  |  |  |  |  | 22.02 0.93 |  | 24.33 1.91 | 23.18 1.16 |
| 1965 | 23.12 0.22 | 24.20 0.33 |  21.27 1.14 | 22.27 0.37 | 25.05 1.36 | 23.42 0.72 |  | 22.48 1.97 | 25.18 2.49 | 22.63 1.06 | 21.12 1.27 | 22.65 1.12 | 23.04 0.41 |
| 1966 | 19.971.00 | 20.65 0.62 | 23.77 1.47 | 21.95 2.41 | 21.93 0.46 | 22.50 0.85 | 20.58 0.04 | 20.60 0.92 | 22.93 1.90 | 22.12 0.93 | 23.08 0.17 | 22.15 0.44 | 21.85 0.34 |
| 1967 | 22.62 0.65 | 21.82 0.45 | 22.63 0.47 | 23.08 0.13 | 22.47 0.35 | 21.95 0.36 | 22.80 1.14 | 22.62 0.71 | 23.08 0.28 | 22.73 0.36 | 20.90 1.16 | 20.97 0.43 | 22.31 0.22 |
| 1968 | 20.37 0.35 | 20.20 0.51 | 20.07 0.24 | 19.83 0.25 | 20.00 0.77 | 20.13 0.31 | 19.92 0.17 | 19.65 0.19 | 18.53 0.56 | 18.52 0.33 | 19.05 1.16 | 18.85 0.57 | 19.59 0.19 |
| 1969 | 21.14 1.68 | 21.75 0.68 | 19.97 0.91 | 19.88 0.35 | 19.12 0.04 | 18.88 0.44 | 18.82 0.17 | 20.20 1.01 | 19.88 0.57 |  19.97 0.67 |  | 21.25 0.10 | 20.08 0.29 |

**Таблица 30.** Среднемесячные значения потоков гамма-квантов с энергией *Е* > 20 кэВ в максимуме кривой поглощения в атмосфере

(*N*3m ± σ, см–2⋅c–1), измеренные кристаллом *NaJ*(*Tl*) в Симеизе, Крым (*Rс* = 5.9 ГВ) в период 12.1964–12.1969

**Table 30.** Monthly averaged values of gamma-ray fluxes with energy *E* > 20 keV at the maximum of absorption curve in the atmosphere

(*N*3m ± σ, cm–2⋅s–1) measured with a crystal *NaJ*(*Tl*) at Simeiz, Crimea (*Rс* = 5.9 GV) in the period of 12.1964–12.1969

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| 1964 |  |  |  |  |  |  |  |  |  |  |  | 16.92 0.476 | 16.92 0.48 |
| 1965 |  |  |  |  |  | 17.28 0.86 | 18.50 0.29 | 16.85 1.71 | 17.20 0.85 | 20.37 0.61 | 18.17 1.63 | 16.62 0.49 | 17.86 0.53 |
| 1966 | 17.00 0.22 | 17.08 0.04 | 16.60 0.15 | 15.73 0.29 | 15.33 0.46 | 16.13 0.63 | 15.45 0.46 | 17.15 0.58 | 16.12 1.32 |  | 17.35 0.25 | 16.40 1.03 | 16.39 0.20 |
| 1967 | 15.40 0.09 | 13.40 0.40 | 15.83 0.48 | 17.42 0.71 | 17.32 0.52 | 18.00 0.54 |  | 17.70 0.53 | 17.75 0.25 | 18.13 0.12 | 17.55 0.29 | 17.37 0.52 | 16.90 0.44 |
| 1968 | 16.78 0.50 | 16.52 0.06 | 15.90 0.48 | 16.53 0.21 | 15.78 0.47 | 15.83 0.48 | 15.85 0.14 | 15.92 0.29 |  |  | 15.17 0.04 |  | 16.03 0.17 |
| 1969 |  | 17.78 0.53 | 16.32 0.48 |  | 14.85 0.53 | 15.47 0.46 | 15.20 0.04 | 16.38 0.49 | 16.28 0.49 |  |  | 17.33 0.52 | 16.20 0.36 |

ТАБЛИЦЫ 31–32 Среднемесячных значений потоков ПЕРВИЧНЫХ космических лучей, падающих на границу атмосферы.

TABLES 31–32 OF Monthly averaged values of Primary cosmic ray fluxes on the top of the atmosphere

**Таблица 31.** Среднемесячные значения первичных потоков космических лучей с энергией *Е* ≥ 0.1 ГэВ, падающих на границу атмосферы, *J*0(*Е* ≥ 0.1 ГэВ), м–2⋅c–1⋅cр–1

**Table 31.** Monthly averaged values of fluxes of primary cosmic rays with energy *Е* ≥ 0.1 GeV on the top of the atmosphere,

*J*0(*Е* ≥ 0.1 GeV), m–2⋅s–1⋅sr–1

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1957 |  |  |  |  |  |  | 754 64 | 964 | 739124 | 874311 | 1055 92 | 741 | 854 50 |
| 1958 | 986 | 1232 | 1179 | 1141 207 | 1229 205 | 1155 | 1152 230 | 1061 | 1357 232 | 1406 216 | 1370 | 1496 183 | 1230 43 |
| 1959 | 1460 212 | 1431 205 | 1488 133 | 1494 95 | 1273 210 | 1446 115 | 1303 | 1152 102 | 1258 55 | 1673 162 | 1700 231 | 1706 246 | 1449 52 |
| 1960 | 1712 198 | 1746 147 | 1861 147 | 1630 170 | 1683 151 | 1727 161 | 1614 148 | 1749 74 | 1791 126 | 1758 97 | 1799 129 | 1862 140 | 1744 23 |
| 1961 | 1945 126 | 2013 69 | 2102 84 | 2103 107 | 2227 86 | 2245 102 | 2206 53 | 2074 122 | 2175 93 | 2371 91 | 2534 97 | 2686 120 | 2223 62 |
| 1962 | 2816 83 | 2760 95 | 2672 66 | 2515 39 | 2456 27 | 2512 19 | 2510 36 | 2595 60 | 2598 63 | 2507 39 | 2733 19 | 2920 82 | 2633 42 |
| 1963 | 3094 90 | 3014 105 | 2834 28 | 2856 101 | 2793 42 | 2816 51 | 2729 26 | 2755 39 | 2843 53 | 2940 94 | 2857 68 | 3053 34 | 2882 34 |
| 1964 | 2935 88 | 3026 35 | 2993 101 | 2985 75 | 3127 47 | 3369 67 | 3254 52 | 3259 22 | 3384 41 | 3260 32 | 3297 74 | 3410 26 | 3191 49 |
| 1965 | 3613 72 | 3527 69 | 3595 35 | 3754 24 | 3804 82 | 3585 47 | 3551 26 | 3508 39 | 3490 68 | 3556 48 | 3584 61 | 3638 34 | 3600 27 |
| 1966 | 3711 54 | 3617 42 | 3476 35 | 3328 38 | 3519 69 | 3339 43 | 3257 43 | 3220 27 | 2845 85 | 2841 46 | 2864 37 | 2825 30 | 3237 93 |
| 1967 | 2714 57 | 2557 98 | 2783 27 | 2725 33 | 2517 39 | 2580 66 | 2672 64 | 2526 28 | 2456 39 | 2662 19 | 2476 80 | 2451 30 | 2593 33 |
| 1968 | 2518 71 | 2560 64 | 2438 45 | 2412 21 | 2275 92 | 2165 87 | 2193 71 | 2206 20 | 2115 97 | 1948 29 | 1719 61 | 1729 76 | 2190 81 |
| 1969 | 1999 51 | 2008 53 | 1955 57 | 2013 64 | 1769 41 | 1676 65 | 1661 26 | 1606 16 | 1580 20 | 1682 41 | 1688 39 | 1720 75 | 1780 48 |
| 1970 | 1678 74 | 1737 53 | 1712 20 | 1564 41 | 1610 27 | 1511 51 | 1446 64 | 1553 91 | 1659 62 | 1737 66 | 1714 95 | 1813 91 | 1645 31 |
| 1971 | 1871 115 | 2044 88 | 2027 53 | 2152 27 | 2190 58 | 2402 67 | 2515 96 | 2656 84 | 2680 99 | 2724 111 | 2907 104 | 2940 116 | 2426 105 |
| 1972 | 2872 46 | 3006 57 | 3109 48 | 3341 28 | 3304 34 | 3107 73 | 3251 54 | 2736 103 | 3036 38 | 3171 78 | 3206 77 | 3359 69 | 3125 55 |
| 1973 | 3333 25 | 3444 45 | 3262 24 | 2928 53 | 2870 84 | 3073 18 | 3192 45 | 3147 22 | 3336 27 | 3398 19 | 3513 55 | 3442 16 | 3245 60 |
| 1974 | 3596 57 | 3603 61 | 3457 19 | 3397 49 | 3299 79 | 3105 31 | 2913 53 | 3036 42 | 3011 9 | 2890 34 | 2737 42 | 2967 29 | 3167 84 |
| 1975 | 3023 30 | 3170 56 | 3214 47 | 3381 25 | 3433 48 | 3492 33 | 3462 40 | 3436 49 | 3476 56 | 3487 39 | 3301 44 | 3399 50 | 3356 43 |
| 1976 | 3346 68 | 3331 58 | 3416 49 | 3111 75 | 3343 35 | 3456 33 | 3539 94 | 3648 61 | 3594 56 | 3597 68 | 3598 28 | 3572 39 | 3463 46 |
| 1977 | 3546 34 | 3615 36 | 3581 66 | 3553 62 | 3545 76 | 3477 74 | 3367 54 | 3382 47 | 3412 84 | 3343 54 | 3478 66 | 3409 83 | 3476 27 |
| 1978 | 3239 114 | 3131 58 | 3030 61 | 2993 56 | 2609 55 | 2871 34 | 2824 22 | 3054 25 | 3108 46 | 2930 46 | 2960 33 | 3091 45 | 2987 48 |
| 1979 | 2883 35 | 2771 65 | 2688 65 | 2436 36 | 2500 13 | 2298 60 | 2202 23 | 2026 66 | 1881 16 | 1965 36 | 1964 21 | 2113 9 | 2311 99 |
| 1980 | 2052 45 | 1950 41 | 2048 29 | 1946 41 | 1933 15 | 1714 42 | 1571 33 | 1591 22 | 1583 15 | 1440 20 | 1377 51 | 1384 22 | 1716 75 |
| 1981 | 1536 16 | 1440 19 | 1407 38 | 1393 10 | 1384 18 | 1514 10 | 1473 27 | 1499 24 | 1585 46 | 1467 42 | 1511 28 | 1640 29 | 1487 22 |
| 1982 | 1737 9 | 1554 10 | 1745 41 | 1944 14 | 2007 47 | 1789 27 | 1370 38 | 1485 16 | 1344 24 | 1400 48 | 1402 45 | 1326 41 | 1592 70 |
| 1983 | 1377 49 | 1548 33 | 1629 31 | 1659 42 | 1507 21 | 1594 18 | 1741 20 | 1819 35 | 1900 53 | 1954 13 | 1979 34 | 2031 25 | 1728 60 |
| 1984 | 2052 76 | 2063 18 | 1792 36 | 1868 14 | 1770 18 | 1919 45 | 1971 22 | 2101 41 | 2189 43 | 2162 45 | 2124 44 | 2131 33 | 2012 42 |
| 1985 | 2205 18 | 2317 47 | 2305 62 | 2389 58 | 2400 46 | 2544 26 | 2530 23 | 2628 67 | 2819 24 | 2726 22 | 2777 46 | 2845 45 | 2540 63 |
| 1986 | 2814 46 | 2552 44 | 2648 45 | 2929 22 | 2958 44 | 3047 45 | 3032 52 | 3025 38 | 3124 50 | 3151 54 | 2987 54 | 3173 39 | 2953 56 |
| 1987 | 3326 24 | 3490 12 | 3508 32 | 3453 28 | 3455 23 | 3369 50 | 3255 64 | 3119 30 | 2932 33 | 2943 12 | 2891 29 | 2799 23 | 3212 76 |
| 1988 | 2528 58 | 2641 7 | 2609 12 | 2570 28 | 2621 8 | 2623 18 | 2509 33 | 2468 24 | 2455 30 | 2312 22 | 2333 39 | 2131 75 | 2483 45 |
| 1989 | 2060 65 | 2026 68 | 1604 44 | 1683 87 | 1578 70 | 1469 69 | 1656 47 | 1571 68 | 1260 48 | 1342 161 | 1043 62 | 1114 68 | 1534 91 |
| 1990 | 1199 50 | 1262 18 | 1271 48 | 1152 69 | 1100 84 | 934 76 | 1084 59 | 942 75 | 1076 70 | 1102 37 | 1184 138 | 1344 62 | 1138 36 |
| 1991 | 1450 49 | 1370 64 | 1166 12 | 1213 40 | 1283 17 | 997 94 | 1056 67 | 965 70 | 1127 99 | 1320 79 | 1394 35 | 1761 125 | 1258 64 |
| 1992 | 1559 14 | 1493 60 | 1740 90 | 1893 74 | 1842 82 | 2007 111 | 2041 147 | 2145 51 | 1981 91 | 2530 75 | 2309 95 | 2321 104 | 1988 89 |
| 1993 | 2472 75 | 2504 52 | 2397 20 | 2526 69 | 2634 54 | 2659 87 | 2659 41 | 2499 49 | 2851 38 | 2883 67 | 2967 33 | 3093 33 | 2679 64 |
| 1994 | 3087 44 | 2843 41 | 2871 20 | 2916 49 | 2940 36 | 2893 43 | 3165 46 | 3217 39 | 3318 24 | 3140 44 | 3183 36 | 3320 69 | 3074 50 |
| 1995 | 3314 49 | 3346 43 | 3261 53 | 3250 43 | 3262 58 | 3378 9 | 3389 21 | 3372 57 | 3487 41 | 3425 5 | 3485 28 | 3530 17 | 3375 27 |
| 1996 | 3483 18 | 3467 68 | 3609 37 | 3679 29 | 3578 21 | 3640 28 | 3627 36 | 3657 30 | 3624 30 | 3526 39 | 3546 74 | 3497 55 | 3578 21 |
| 1997 | 3455 92 | 3550 70 | 3624 56 | 3566 39 | 3695 47 | 3645 31 | 3628 31 | 3621 28 | 3543 33 | 3450 86 | 3385 34 | 3376 105 | 3545 31 |
| 1998 | 3455 62 | 3416 32 | 3558 42 | 3249 19 | 2820 40 | 2895 64 | 3104 52 | 2932 38 | 3054 10 | 3135 46 | 2986 82 | 2821 95 | 3119 73 |
| 1999 | 2517 72 | 2638 92 | 2709 57 | 2826 63 | 2738 57 | 2823 29 | 2842 100 | 2753 47 | 2295 56 | 2173 69 | 2005 100 | 1990 90 | 2526 94 |
| 2000 | 1931 121 | 1873 78 | 1662 86 | 1733 52 | 1598 43 | 1479 50 | 1254 70 | 1324 42 | 1310 75 | 1441 69 | 1331 54 | 1304 113 | 1520 68 |
| 2001 | 1294 132 | 1431 104 | 1585 150 | 1452 64 | 1602 108 | 1636 137 | 1702 78 | 1585 92 | 1528 96 | 1414 124 | 1599 104 | 1593 178 | 1535 33 |
| 2002 | 1578 130 | 1825 136 | 1649 101 | 1548 84 | 1578 138 | 1707 155 | 1734 30 | 1499 30 | 1635 68 | 1689 59 | 1593 58 | 1602 89 | 1636 26 |
| 2003 | 1754 102 | 1639 92 | 1611 96 | 1646 72 | 1617 92 | 1472 61 | 1568 58 | 1621 67 | 1601 85 | 1558 57 | 1154 28 | 1361 40 | 1550 46 |
| 2004 | 1499 54 | 1692 75 | 1788 167 | 1870 129 | 2102 79 | 2140 162 | 2191 50 | 2140 102 | 2130 148 | 2482 77 | 2146 104 | 2328 53 | 2042 80 |
| 2005 | 2084 78 | 2224 62 | 2236 69 | 2329 99 | 1785 144 | 2245 82 | 2412 16 | 2374 21 | 2110 99 | 2371 117 | 2486 35 | 2554 101 | 2268 60 |
| 2006 | 2618 71 | 2692 118 | 2850 127 | 2928 113 | 3021 44 | 3198 52 | 2948 55 | 3199 57 | 3194 48 | 3126 45 | 3132 57 | 2860 90 | 2981 57 |

**Таблица 32.** Среднемесячные значения первичных потоков космических лучей в интервале энергий 0.1 ≤ *E* ≤ 1.5 ГэВ, падающих на границу атмосферы, *J*0(0.1 ≤ *E* ≤ 1.5 ГэВ), м–2⋅c–1⋅cр–1

**Table 32.** Monthly averaged values of fluxes of primary cosmic rays in the energy interval of 0.1 ≤ *E* ≤ 1.5 GeV on the top of the atmosphere,

*J*0(0.1 ≤ *E* ≤ 1.5 GeV), m–2⋅s–1⋅sr–1

| Год/месяц Year/month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Среднее Average |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1957 |  |  |  |  |  |  | 396135 | 568 92 | 508 |  | 438 |  | 477 38 |
| 1958 |  | 455 | 339 | 480 4 | 327110 | 482 18 | 289 | 572201 | 530213 | 461 52 | 469 | 520 | 447 27 |
| 1959 | 425 46 | 620 58 | 580224 | 406105 | 345 44 | 438 99 | 371206 | 374154 | 376 | 738148 | 541 85 | 681 22 | 491 39 |
| 1960 | 453130 | 630 66 | 653101 | 545 | 547 64 | 502115 | 490192 | 563199 | 363 97 | 525114 | 684132 | 438100 | 533 27 |
| 1961 | 630214 | 521164 | 554182 | 721212 | 764118 | 837126 | 751 80 | 676144 | 616204 | 781165 | 861 89 | 979344 | 724 38 |
| 1962 | 1168 431 | 1116 267 | 1119 205 | 1033 41 | 993124 | 1075 78 | 1039 107 | 1082 251 | 995192 | 1047 59 | 1108 162 | 1267 145 | 1087 22 |
| 1963 | 1309 103 | 1424 70 | 1282 105 | 970135 | 1160 52 | 1073 207 | 1176 211 | 1270 118 | 1375 226 | 1290 126 | 1288 195 | 1446 234 | 1255 40 |
| 1964 | 1453 203 | 1342 65 | 1275 128 | 1529 118 | 1596 292 | 1693 203 | 1461 212 | 1317 240 | 1494 330 | 1348 268 | 1557 125 | 1604 119 | 1473 38 |
| 1965 | 1752 48 | 1725 195 | 1674 69 | 1968 192 | 1931 145 | 1872 113 | 1694 63 | 1723 66 | 1701 59 | 1929 76 | 1795 249 | 1721 210 | 1790 31 |
| 1966 | 1725 118 | 1992 392 | 1488 172 | 1530 210 | 1712 150 | 1531 196 | 1407 65 | 1435 124 | 1202 166 | 1198 214 | 1217 115 | 1186 29 | 1469 73 |
| 1967 | 1091 263 | 1151 58 | 1229 125 | 1107 206 | 811 96 | 950156 | 1083 60 | 946134 | 956107 | 1136 75 | 1041 269 | 1001 150 | 1042 33 |
| 1968 | 929131 | 1049 156 | 1017 58 | 1028 29 | 921110 | 911172 | 836 84 | 722175 | 802127 | 708 53 | 643 74 | 688137 | 855 41 |
| 1969 | 706108 | 645115 | 606 55 | 667 86 | 550183 | 528113 | 522 36 | 448 87 | 450121 | 517113 | 458151 | 379101 | 540 29 |
| 1970 | 509 73 | 442126 | 426103 | 313 | 382127 | 383 41 | 285 80 | 339185 | 335 81 | 400131 | 545113 | 505 72 | 405 24 |
| 1971 | 536 56 | 545 22 | 543 57 | 649 33 | 762182 | 744 94 | 956143 | 1045 117 | 987187 | 1120 185 | 1184 227 | 1216 250 | 857 74 |
| 1972 | 1358 133 | 1442 111 | 1657 28 | 1494 219 | 1558 124 | 1534 116 | 1549 80 | 1296 50 | 1330 28 | 1475 108 | 1530 256 | 1716 66 | 1495 36 |
| 1973 | 1726 92 | 1620 60 | 1513 132 | 1097 64 | 1202 154 | 1360 140 | 1573 127 | 1460 84 | 1598 105 | 1592 59 | 1750 107 | 1655 124 | 1512 58 |
| 1974 | 1868 113 | 1763 110 | 1647 134 | 1556 104 | 1421 159 | 1380 79 | 1180 127 | 1305 63 | 1367 108 | 1170 91 | 1115 83 | 1273 27 | 1421 70 |
| 1975 | 1392 127 | 1569 148 | 1529 66 | 1523 104 | 1609 160 | 1674 141 | 1669 137 | 1670 142 | 1780 78 | 1747 139 | 1589 123 | 1563 73 | 1610 31 |
| 1976 | 1559 118 | 1659 31 | 1710 90 | 1403 71 | 1491 103 | 1640 54 | 1655 204 | 1836 97 | 1892 71 | 1937 113 | 1782 64 | 1697 74 | 1688 46 |
| 1977 | 1810 56 | 1797 48 | 1715 121 | 1658 7 | 1683 172 | 1697 131 | 1559 89 | 1655 74 | 1656 91 | 1580 87 | 1657 161 | 1669 121 | 1678 21 |
| 1978 | 1482 127 | 1316 55 | 1253 104 | 1157 76 | 958 61 | 1225 75 | 1255 44 | 1267 68 | 1326 64 | 1335 115 | 1370 84 | 1404 125 | 1279 38 |
| 1979 | 1168 148 | 1276 74 | 1022 167 | 964 96 | 1023 104 | 991 84 | 777 81 | 727139 | 690 74 | 661 82 | 666 89 | 662119 | 885 62 |
| 1980 | 677 48 | 660 45 | 652134 | 621139 | 634135 | 632 28 | 466 29 | 418 37 | 460 80 | 411 88 | 355 35 | 398126 | 532 36 |
| 1981 | 409 36 | 369 69 | 365155 | 349 56 | 363 83 | 407105 | 340126 | 366129 | 384154 | 390169 | 443132 | 373135 | 380 8 |
| 1982 | 491 96 | 393134 | 440136 | 507 88 | 563123 | 509 65 | 344 68 | 465 96 | 426 87 | 415 82 | 358 94 | 301 82 | 434 22 |
| 1983 | 360 90 | 435 86 | 378115 | 359139 | 421166 | 456174 | 531151 | 549165 | 633189 | 571149 | 652105 | 674100 | 502 33 |
| 1984 | 732128 | 699 69 | 456118 | 546 78 | 599 64 | 617 36 | 571 55 | 763121 | 749149 | 775156 | 806133 | 787182 | 675 33 |
| 1985 | 908153 | 836209 | 914172 | 878154 | 965162 | 935 85 | 954 68 | 1034 72 | 1215 81 | 1135 144 | 1090 75 | 1266 46 | 1011 40 |
| 1986 | 1127 126 | 1027 150 | 1053 217 | 1175 70 | 1303 139 | 1451 103 | 1419 172 | 1395 168 | 1437 119 | 1353 113 | 1219 147 | 1328 185 | 1274 43 |
| 1987 | 1460 173 | 1614 97 | 1561 57 | 1543 113 | 1612 135 | 1543 93 | 1459 84 | 1322 161 | 1315 154 | 1217 89 | 1262 200 | 1243 129 | 1429 43 |
| 1988 | 1033 122 | 1105 150 | 1005 90 | 955 86 | 1137 88 | 1138 109 | 1074 64 | 1115 85 | 1005 132 | 1074 152 | 985126 | 925130 | 1046 21 |
| 1989 | 899147 | 833196 | 585136 | 672 83 | 662 90 | 511 78 | 577161 | 530137 | 453119 | 460 67 | 313 52 | 228 72 | 560 56 |
| 1990 | 332123 | 369 80 | 205100 | 308145 | 307123 | 195126 | 225114 | 202 29 | 177 93 | 204 97 | 230 | 258104 | 251 18 |
| 1991 | 261119 | 263128 |  | 205186 | 296126 | 306 71 | 279 28 | 207 48 | 328183 | 182 | 252218 | 345289 | 266 16 |
| 1992 | 471 49 | 382127 | 360 91 | 441 49 | 496222 | 424 38 | 557244 | 591168 | 441151 | 924179 | 703104 | 573393 | 530 46 |
| 1993 | 983426 | 885244 | 831259 | 890170 | 1096 102 | 1033 205 | 955 38 | 958 19 | 1131 189 | 1076 90 | 1226 178 | 1234 41 | 1025 38 |
| 1994 | 1342 121 | 1128 118 | 1144 184 | 1116 137 | 1253 144 | 1318 120 | 1565 122 | 1452 173 | 1517 134 | 1365 175 | 1473 135 | 1521 150 | 1350 47 |
| 1995 | 1399 39 | 1477 257 | 1357 47 | 1361 166 | 1372 2 | 1535 93 | 1591 94 | 1635 99 | 1653 129 | 1617 66 | 1630 181 | 1787 251 | 1535 41 |
| 1996 | 1785 63 | 1618 116 | 1761 112 | 1921 209 | 1863 112 | 1949 153 | 1801 97 | 1889 138 | 1842 54 | 1820 139 | 1679 40 | 1750 151 | 1806 28 |
| 1997 | 1744 42 | 1706 151 | 1874 62 | 1583 99 | 1865 80 | 1827 86 | 1832 79 | 1756 162 | 1683 219 | 1609 308 | 1775 177 | 1957 442 | 1768 32 |
| 1998 | 1862 138 | 1898 164 | 1700 164 | 1616 155 | 1100 123 | 1157 35 | 1319 277 | 1213 159 | 1342 262 | 1235 112 | 1328 159 | 1312 147 | 1424 79 |
| 1999 | 892 90 | 954 150 | 1018 74 | 1094 59 | 1120 114 | 1179 155 | 1003 68 | 958173 | 684123 | 662118 | 832123 | 796 48 | 933 48 |
| 2000 | 610 90 | 689 63 | 431 66 | 490118 | 506 76 | 408 94 | 382157 | 359143 | 359 90 | 311109 | 359105 | 393102 | 442 33 |
| 2001 | 349 63 | 339 60 | 346116 | 496166 | 563103 | 455210 | 472107 | 361149 | 367123 | 510109 | 369 99 | 507249 | 428 23 |
| 2002 | 513275 | 543240 | 565150 | 457123 | 365273 | 464282 | 521 92 | 475 45 | 457107 | 372 22 | 483110 | 515134 | 478 18 |
| 2003 | 431241 | 458 83 | 337180 | 410178 | 549178 | 443133 | 369148 | 302107 | 346132 | 424 89 | 520236 | 495 28 | 424 22 |
| 2004 | 346108 | 550 25 | 535156 | 545 68 | 511176 | 522296 | 672 | 612 | 608 53 | 943399 | 794439 | 1089504 | 644 59 |
| 2005 | 923120 | 924178 | 777169 | 1047242 | 247 18 | 436216 | 715129 | 932296 | 965532 | 938264 | 638 99 | 831 57 | 781 69 |
| 2006 | 1170203 | 1027257 | 1115233 | 1058160 | 1167323 | 1355380 | 1026150 | 1196 94 | 1362 113 | 1354 367 | 1254 137 | 1121 43 | 1184 36 |