

Table 7. The data of the dark planet of the new Earth model

| Level | Radius R | Density $\rho$    | Mass of shell $\Delta M$ | Moment of Inertia $\Delta I$       | Level | Radius R | Density $\rho$    | Mass of shell $\Delta M$ | Moment of Inertia $\Delta I$       |
|-------|----------|-------------------|--------------------------|------------------------------------|-------|----------|-------------------|--------------------------|------------------------------------|
| No.   | km       | g/cm <sup>3</sup> | 10 <sup>24</sup> g       | 10 <sup>40</sup> g.cm <sup>2</sup> | No.   | km       | g/cm <sup>3</sup> | 10 <sup>24</sup> g       | 10 <sup>40</sup> g.cm <sup>2</sup> |
| 45    | 3700.375 | 2.70000           |                          |                                    | 22    | 1800.000 | 5.40184           | 22.932                   | 52.388                             |
| 44    | 3700.000 | 2.70053           | 0.174                    | 1.590                              | 21    | 1787.500 | 5.41961           | 2.7351                   | 5.860                              |
| 43    | 3030.000 | 2.80006           | 32.497                   | 291.052                            | 20    | 1700.000 | 6.64401           | 8.3321                   | 37.199                             |
| 42    | 3030.000 | 2.80006           | 0.000                    | 0.000                              | 19    | 1600.000 | 6.68619           | 9.2161                   | 34.931                             |
| 41    | 3600.000 | 2.84271           | 13.900                   | 121.102                            | 18    | 1500.000 | 6.82836           | 7.3881                   | 27.897                             |
| 40    | 3500.000 | 2.98488           | 46.148                   | 387.849                            | 17    | 1400.000 | 6.97063           | 6.6931                   | 21.899                             |
| 39    | 3480.000 | 3.01332           | 9.181                    | 74.550                             | 16    | 1300.000 | 6.11271           | 3.843                    | 16.858                             |
| 38    | 3400.000 | 3.12706           | 36.526                   | 288.220                            | 15    | 1221.500 | 6.22431           | 9.675                    | 10.269                             |
| 37    | 3300.000 | 3.26923           | 45.106                   | 337.590                            | 14    | 1221.500 | 6.22431           | 0.000                    | 0.000                              |
| 36    | 3200.000 | 3.41140           | 44.340                   | 312.352                            | 13    | 1200.000 | 6.25488           | 2.471                    | 2.415                              |
| 35    | 3100.000 | 3.55358           | 43.427                   | 287.389                            | 12    | 1100.000 | 6.39706           | 10.520                   | 9.304                              |
| 34    | 3000.000 | 3.69575           | 42.376                   | 262.917                            | 11    | 1000.000 | 6.53923           | 8.968                    | 6.616                              |
| 33    | 2900.000 | 3.83792           | 41.198                   | 239.129                            | 10    | 900.000  | 6.68140           | 7.604                    | 4.536                              |
| 32    | 2800.000 | 3.98010           | 39.904                   | 216.189                            | 09    | 800.000  | 6.82358           | 6.138                    | 2.973                              |
| 31    | 2700.000 | 4.12227           | 38.504                   | 194.231                            | 08    | 700.000  | 6.96676           | 4.881                    | 1.844                              |
| 30    | 2600.000 | 4.26445           | 37.010                   | 173.370                            | 07    | 600.000  | 7.10793           | 3.743                    | 1.005                              |
| 29    | 2500.000 | 4.40662           | 35.431                   | 153.693                            | 06    | 500.000  | 7.26010           | 2.736                    | 0.559                              |
| 28    | 2400.000 | 4.54879           | 33.780                   | 135.269                            | 05    | 400.000  | 7.39227           | 1.871                    | 0.258                              |
| 27    | 2300.000 | 4.69097           | 32.066                   | 118.145                            | 04    | 300.000  | 7.63445           | 1.167                    | 0.098                              |
| 26    | 2200.000 | 4.83314           | 30.300                   | 102.346                            | 03    | 200.000  | 7.67662           | 0.605                    | 0.027                              |
| 25    | 2100.000 | 4.97532           | 28.493                   | 87.885                             | 02    | 100.000  | 7.81880           | 0.227                    | 0.004                              |
| 24    | 2000.000 | 5.11749           | 26.655                   | 74.754                             | 01    | 0.000    | 7.96097           | 0.033                    | 0.000                              |
| 23    | 1900.000 | 5.25966           | 24.798                   | 62.933                             |       |          |                   |                          |                                    |
| Total |          |                   |                          |                                    |       |          |                   | 852.380                  | 4,159.559                          |