

Table 8. The global data of the new Earth model.

Level	Radius	Density	Mass of shell	Mass Within Radius	Moment of Inertia	Moment within Radius	Pressure	Gravity
No.	km	g/cm ³	10 ²⁴ g	10 ²⁴ g	10 ⁴⁰ g.cm ²	10 ⁴⁰ g.cm ²	kbar	cm/s ²
94	6371.0	1.02000		5974.200		80286.400	0.000	982.108
93	6368.0	1.02000	1.560	5972.640	42.192	80244.208	0.301	982.778
92	6368.0	2.60000	0.000	5972.640	0.000	80244.208	0.301	982.778
91	6356.0	2.60000	15.869	5956.771	428.205	79816.003	3.369	983.871
90	6356.0	2.90000	0.000	5956.771	0.000	79816.003	3.369	983.871
89	6346.6	2.90000	13.818	5942.953	371.612	79444.391	6.051	984.499
88	6346.6	3.38076	0.000	5942.953	0.000	79444.391	6.051	984.499
87	6331.0	3.37906	26.623	5916.330	713.154	78731.237	11.244	984.924
86	6311.0	3.37688	33.921	5882.409	903.543	77827.694	17.900	985.494
85	6291.0	3.37471	33.885	5848.724	891.587	76936.107	24.555	986.091
84	6291.0	3.37471	0.000	5848.724	0.000	76936.107	24.555	986.091
83	6256.0	3.37091	58.383	5790.341	1531.873	75404.234	36.203	987.201
82	6221.0	3.36710	57.669	5732.672	1496.283	73907.952	47.850	988.398
81	6186.0	3.36330	56.960	5675.712	1461.353	72446.598	59.500	989.682
80	6151.0	3.35950	56.254	5619.458	1427.019	71019.579	71.151	991.056
79	6151.0	3.43578	0.000	5619.458	0.000	71019.579	71.151	991.056
78	6106.0	3.46264	73.258	5546.201	1834.339	69185.240	86.546	992.606
77	6061.0	3.48951	72.748	5473.453	1794.926	67390.314	102.086	994.187
76	6016.0	3.51639	72.230	5401.223	1755.876	65634.438	117.771	995.799
75	5971.0	3.54325	71.702	5329.521	1717.172	63917.266	133.601	997.445
74	5971.0	3.72378	0.000	5329.521	0.000	63917.266	133.601	997.445
73	5921.0	3.78678	83.421	5246.099	1966.289	61950.978	152.340	998.485
72	5871.0	3.84980	83.400	5162.699	1932.878	60018.100	171.412	999.419
71	5821.0	3.91282	83.344	5079.354	1898.957	58119.143	190.816	1000.250
70	6771.0	3.97584	83.256	4996.099	1864.631	56254.512	210.551	1000.977
69	5771.0	3.97584	0.000	4996.099	0.000	56254.512	210.551	1000.977
68	5736.0	3.98399	57.945	4938.154	1278.777	54975.735	224.498	1001.478
67	5701.0	3.99214	57.359	4880.795	1250.499	53725.236	238.480	1002.036
66	5701.0	4.38071	0.000	4880.795	0.000	53725.236	238.480	1002.036
65	5650.0	4.41241	90.762	4790.033	1949.111	51776.126	260.941	1001.237
64	5600.0	4.44316	88.027	4702.006	1856.879	49919.246	283.099	1000.466
63	5600.0	4.44317	0.000	4702.006	0.000	49919.246	283.099	1000.466
62	5500.0	4.50372	173.161	4528.845	3556.332	46362.914	327.829	998.981
61	5400.0	4.56307	169.215	4359.630	3351.201	43011.713	373.094	997.602
60	5300.0	4.62129	165.176	4194.454	3152.302	39859.411	418.886	996.366
59	5200.0	4.67844	161.058	4033.396	2959.895	36899.516	465.200	995.312
58	5100.0	4.73460	156.869	3876.527	2774.141	34125.375	512.034	994.483
57	5000.0	4.78983	152.621	3723.905	2595.240	31530.135	559.390	993.925
56	4900.0	4.84422	148.325	3575.581	2423.294	29106.841	607.272	993.687
55	4800.0	4.89783	143.989	3431.592	2258.383	26848.458	655.688	993.821
64	4700.0	4.95073	139.623	3291.969	2100.552	24747.907	704.651	994.386
53	4600.0	5.00299	135.234	3156.734	1949.779	22798.128	754.177	995.445
52	4500.0	5.05469	130.833	3025.901	1806.076	20992.051	804.289	997.068
51	4400.0	5.10590	126.426	2899.475	1669.385	19322.667	855.012	999.330
50	4300.0	5.15669	122.021	2777.455	1539.631	17783.035	906.379	1002.317
49	4200.0	5.20713	117.625	2659.830	1416.725	16366.310	958.429	1006.122
48	4100.0	5.25729	113.243	2546.587	1300.533	15065.777	1011.207	1010.848

Level	Radius	Density	Mass of shell	Mass Within Radius	Moment of Inertia	Moment within Radius	Pressure	Gravity
No.	km	g/cm ³	10 ²⁴ g	10 ²⁴ g	10 ⁴⁰ g.cm ²	10 ⁴⁰ g.cm ²	kbar	cm/sec ²
47	4000.0	5.30724	108.883	2437.704	1190.942	13874.835	1064.767	1016.614
46	3900.0	5.35706	104.551	2333.152	1087.797	12787.039	1119.172	1023.550
45	3800.0	5.40681	100.252	2232.900	990.939	11796.100	1174.494	1031.804
44	3700.0	5.45657	96.165	2136.734	901.775	10894.325	1230.814	1041.459
43	3630.0	5.49145	97.178	2039.557	870.342	10023.983	1270.565	1032.803
42	3630.0	5.49145	0.000	2039.557	0.000	10023.983	1270.565	1032.803
41	3600.0	5.50642	40.991	1998.565	357.133	9666.850	1287.573	1028.983
40	3500.0	5.55641	133.753	1864.812	1124.123	8542.727	1344.157	1015.767
39	3480.0	5.56645	26.206	1838.606	212.793	8329.934	1355.440	1013.037
38	3400.0	5.60987	103.008	1735.599	812.820	7517.114	1400.496	1001.813
37	3300.0	5.66415	124.609	1610.990	932.622	6584.492	1456.591	987.097
36	3200.0	5.71843	119.888	1491.103	844.543	5739.949	1512.369	971.634
35	3100.0	5.77270	115.074	1376.028	761.536	4978.413	1567.772	955.430
34	3000.0	5.82698	110.181	1265.847	683.611	4294.802	1622.740	938.499
33	2900.0	5.88126	105.224	1160.623	610.764	3684.038	1677.213	920.853
32	2800.0	5.93553	100.217	1060.406	542.954	3141.084	1731.131	902.508
31	2700.0	5.98981	95.175	965.230	480.106	2660.978	1784.433	883.483
30	2600.0	6.04409	90.114	875.116	422.134	2238.844	1837.060	863.802
29	2500.0	6.09837	85.047	790.069	368.916	1869.928	1888.951	843.490
28	2400.0	6.15264	79.991	710.079	320.318	1549.610	1940.047	822.582
27	2300.0	6.20692	74.959	635.120	276.181	1273.429	1990.291	801.116
26	2200.0	6.26120	69.966	565.154	236.328	1037.100	2039.628	779.142
25	2100.0	6.31547	65.027	500.126	200.573	836.527	2088.003	756.721
24	2000.0	6.36975	60.157	439.969	168.709	667.819	2135.368	733.934
23	1900.0	6.42403	55.371	384.598	140.521	527.298	2181.678	710.878
22	1800.0	6.47831	50.684	333.914	115.786	411.511	2226.896	687.677
21	1787.5	6.48509	6.011	327.903	12.893	398.618	2232.456	684.776
20	1700.0	6.52703	40.089	287.814	81.349	317.269	2270.939	664.522
19	1600.0	6.88649	42.168	245.646	76.653	240.617	2314.824	640.272
18	1500.0	7.03784	38.415	207.231	61.633	178.984	2358.655	614.564
17	1400.0	7.09459	34.270	172.961	48.130	130.854	2401.336	588.826
16	1300.0	7.15135	30.164	142.798	36.733	94.121	2442.566	563.807
15	1221.5	7.17442	20.910	121.888	22.193	71.928	2473.835	545.091
14	1221.5	9.17442	0.000	121.888	0.000	71.928	2473.835	545.091
13	1200.0	9.18575	6.107	115.781	5.969	65.959	2484.512	536.500
12	1100.0	9.23583	25.837	89.944	22.851	43.108	2532.405	496.000
11	1000.0	9.28155	21.805	68.139	16.087	27.021	2576.798	454.664
10	900.0	9.32293	18.064	50.076	10.919	16.102	2617.562	412.515
9	800.0	9.35994	14.629	35.447	7.086	9.016	2654.582	369.568
8	700.0	9.39260	11.519	23.928	4.351	4.665	2687.749	325.841
7	600.0	9.42091	8.747	15.181	2.488	2.176	2716.972	281.380
6	500.0	9.44486	6.332	8.850	1.294	0.882	2742.182	236.210
5	400.0	9.46446	4.287	4.563	0.591	0.291	2763.336	190.294
4	300.0	9.47970	2.625	1.938	0.222	0.069	2780.457	143.683
3	200.0	9.49059	1.360	0.578	0.061	0.009	2793.727	96.419
2	100.0	9.49712	0.505	0.073	0.009	0.000	2804.037	48.710
1	0.0	9.49821	0.073	0.000	0.000	0.000	2805.297	0.000