

Age of the Ocean Floor - A Critical Analysis

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The Ionic Growing Earth (IGE) posits the same 8-elements that started the Earth, heated the planet for the first 3 – 3.5 billion years of its existence (see IGE Fig. 1r below). The arrival of water ~ 1400 mya solidified the molten crust and by ~1200 mya submerged the smaller planet. (~700-800 km radius). Dating the oldest land plants and spores indicates land emerged above water ~470 mya (~1600 km radius). At those times, the magma located directly under the solid (predominately continental) crust was formed (to some degree) in layers corresponding to the color images on the [NOAA Age of the Ocean Floor](#) (rainbow map) as follows:

1.	White	Over 180 mya
2.	Purple	155 - 180 mya
3.	Blue	140 - 155 mya
4.	Green	55 - 140 mya
5.	Yellow	40 - 55 mya
6.	Orange	20 - 40 mya
7.	Red	0 - 20 mya
8.	undesignated	? future

Color layering is sequential; not chronicle

The first magma layer, white on the rainbow map, designating the continental shelves, edges of some continents, and large areas around the North Pole was under a unified crust. When expansion cracks developed, this first layer erupted through and solidified upon cooling. Thus, in any given area, the white shelf matter was the first to rise and fill cracks as they opened.

Starting ~180 mya, (The Opening of Pangaea?) as expansion continued in a specific area to exhaust the white layer, the second layer (purple) became available to fill the expansion cracks. This means the cracks separating North America from North Africa or South America from South Africa (The Opening of the Atlantic Ocean?) or Madagascar from Africa (The Opening of the Indian Ocean?) are not *time of occurrence* reliable as the rainbow map implies. This same time presumption is misleading when applied to successive layering of the oceanic crust. The oceans were not opening at the same time or expanding at the same rates indicated on the color-time chart. The Opening of the North Pacific began with Zealandia breaking away from Australia (with Antarctica attached – as shown below) and separating together from Alaska and Canada. We don't know when the Pacific, Atlantic, Indian, or Arctic Oceans opened or when each of the magma layers transitioned to crust in different parts of the globe. One can presume the white spots on various continents are from the first magma layer beneath the continent but not the time of such occurrences.

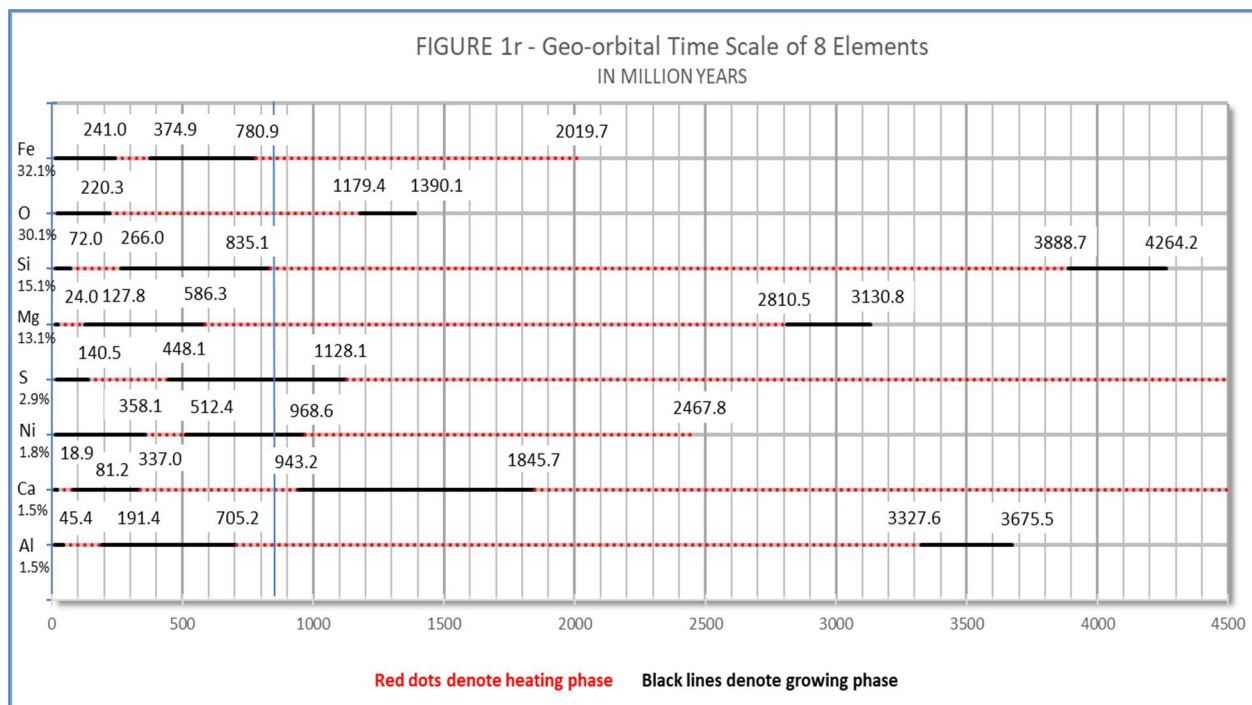
The rainbow map indicates the Gulf of Mexico was fully opened ~155 mya which is not necessarily true. The map would also indicate the purple blob on the Philippine Plate (above Australia) began ~180 mya and remained in situ. The color layering on the map is sequential, but not globally chronological.

Pretending to know what is unknown is bad science. Pretending Earth is not growing/expanding along with every other celestial body in an expanding universe is fake science. The magma located under the solid crust is lifting the continents and the ocean floor(s). The cracks created by the uplifting, fill with pressurized lava that cools and solidifies as new crust. IGE Table 5R (below) indicates the entire surface of the planet is rising outwardly at the present (accelerating) rate of 2.85 cm each year $[(6378.96 \text{ km} - 5840.56 \text{ km}) / 18.9 \text{ my}]$. Over a longer period of ~220 my (when the accelerating began) the average rate is 1.68 cm/yr $[(6378.96 \text{ km} - 2670.30 \text{ km}) / 220.3 \text{ my}]$. Similar rates by Jan Koziar and James Maxlow are within range.

The resulting growth rate of Earth's outer shell is very interesting when applied to the time when (assuming) the planet was submerged under water ~500 mya. The same Table 5R indicates a radius of 1353.10 km at 512.4 mya and a radius of 1641.89 km at 448.10 mya. Hence, the outer shell elevates 0.449 cm/yr $[(1641.89 - 1353.1) / (512.4 - 448.1)]$ or nearly 1/2 meter per century. Since water (oxygen) was not growing between 1200 mya and 220 mya, the water level dropped significantly over millions of years to expose the land that vertebrate

animals from the “seas” invaded ~370 mya. This confirms why all prior animal life was... “born of the seas”; a sea entirely covering and slowly cooling the planet.

The rainbow map raises more questions than it answers. While the design of the map supports the expansion part of Plate Tectonics; it does not support the subduction and recycling parts without wild assumptions. A better geological chronology may be obtained when the origin of the heat and pressures within the planet (the cause) becomes known.



Note: The numbers on the chart are the effective Ionization Potential (I.P.) phase changing times (in million years) indicating the planet was predominately heating until ~850 mya. The I.P. Limit of oxygen (871.387 eV) indicates water initially formed ~1400 mya.

EARTH TABLE 5R -MASS FROM TABLE 4R WITH ~100 YEAR LAGGING RADIUS

MY	X	Element	Rate/eV	(49.5228 MY)			(49.5229 MY)			Density (g/cc)	Current Density	Gravity (m/sec ²)	Current Gravity
				Rate of Growth	Mass (kg)	Current Mass	Rate of Growth	Radius (km)	Current Radius				
0	0.189	0	0	4.05379	5.98E+24	100.00%	4.05378	6378.96	100.00%	5.5000	100.00%	9.80	100.00%
18.9	0.051	-Ca	-0.04018	4.01361	4.59003E+24	76.76%	4.01360	5840.56	91.56%	5.5000	100.00%	8.97	91.56%
24.0	0.214	-Mg	-0.61396	3.39965	4.27597E+24	71.50%	3.39964	5704.20	89.42%	5.5000	100.00%	8.77	89.42%
45.4	0.266	-Al	-0.05570	3.34395	3.29085E+24	55.03%	3.34394	5227.40	81.95%	5.5000	100.00%	8.03	81.95%
72.0	0.092	-Si	-0.57718	2.76677	2.38701E+24	39.92%	2.76675	4696.79	73.63%	5.5000	100.00%	7.22	73.63%
81.2	0.466	+Ca	0.04018	2.80695	2.17367E+24	36.35%	2.80693	4552.47	71.37%	5.5000	100.00%	7.00	71.37%
127.8	0.127	+Mg	0.61396	3.42091	1.34374E+24	22.47%	3.42089	3878.13	60.80%	5.5000	100.00%	5.96	60.80%
140.5	0.509	-S	-0.09710	3.32380	1.14942E+24	19.22%	3.32379	3681.38	57.71%	5.5000	100.00%	5.66	57.71%
191.4	0.289	+Al	0.05570	3.37950	6.23689E+23	10.43%	3.37949	3002.66	47.07%	5.5000	100.00%	4.61	47.07%
220.3	0.207	-O x 75%	-1.51476	1.86474	4.38662E+23	7.34%	1.86473	2670.30	41.86%	5.5000	100.00%	4.10	41.86%
241.0	0.250	-Fe	-0.61707	1.24767	3.85577E+23	6.45%	1.24766	2557.93	40.10%	5.4999	100.00%	3.93	40.10%
266.0	0.710	+Si	0.57718	1.82486	3.64827E+23	6.10%	1.82484	2511.19	39.37%	5.4999	100.00%	3.86	39.37%
337.0	0.211	-Ca	-0.04018	1.78468	2.3802E+23	3.98%	1.78466	2177.99	34.14%	5.4999	100.00%	3.35	34.14%
358.1	0.168	-Ni	-0.03292	1.75176	2.10637E+23	3.52%	1.75174	2091.05	32.78%	5.4999	100.00%	3.21	32.78%
374.9	0.732	+Fe	0.61707	2.36883	1.91704E+23	3.21%	2.36881	2026.42	31.77%	5.4999	100.00%	3.11	31.77%
448.1	0.643	+S	0.09710	2.46593	1.0197E+23	1.71%	2.46592	1641.89	25.74%	5.4999	100.00%	2.52	25.74%
512.4	0.739	+Ni	0.03292	2.49885	5.70729E+22	0.95%	2.49884	1353.10	21.21%	5.4998	100.00%	2.08	21.21%
586.3	1.189	-Mg	-0.61396	1.88489	2.90068E+22	0.49%	1.88488	1079.83	16.93%	5.4998	100.00%	1.66	16.93%
705.2	0.757	-Al	-0.05570	1.82919	1.36516E+22	0.23%	1.82918	839.94	13.17%	5.4998	100.00%	1.29	13.17%
780.9	0.542	-Fe	-0.61707	1.21212	8.64279E+21	0.14%	1.21211	721.23	11.31%	5.4997	100.00%	1.11	11.31%

Note: Mass, Radius, Density, and Gravity exclude the heating phases in Figure 1r above.

The Opening of the Pacific Ocean

