The Thorium Lead Dating Method

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How reliable is radiometric dating? We are repeatedly told that it proves the Earth to be billions of years old. If radiometric dating is reliable then it should not contradict the evolutionary model. According to the Big Bang theory the age of the Universe is 10 to 15 billion years.[1] Standard evolutionist publications give the age of the universe as 13.75 Billion years. [2, 3]

Standard evolutionist geology views the Earth as being 4.5 billion years old. Here are some quotes from popular text: "The age of the Earth is 4.54 ± 0.05 billion years." [4] "The Solar System, formed between 4.53 and 4.58 billion years ago." [1] "The age of 4.54 billion years found for the Solar System and Earth." [1] "A valid age for the Earth of 4.55 billion years." [5, 6]

If we use the computer program Isoplot [7] and calculate the ages of the isoptopic ratios in geology magazine articles we see why not dates have been put beside them. Many dates are negative or older than the age of the universe. That is logically impossible. How can the rock have formed millions of years in the future? The dating methods contradict each other and give ages that disagree with the Geological Column.

How can Earth rocks be dated as being older than the Big Bang? Here are dates calculated from several articles taken from major geology magazines which give absolutely absurd dates.

Tracing the Indian Ocean Mantle

These samples were dated in 1998 by scientists from the School Of Ocean And Earth Science And Technology, University Of Hawaii, Honolulu. According to this article the samples were taken from volcanic material that is only 100 million years old.[8] If we put isotopic ratios [9] into Microsoft Excel and run the through Isoplot we find the average age is almost 17 billion years old. In Table 2 we see some fantastic dates.

Average	**16,890**
Maximum	**82,561**
Minimum	**1,139**
Difference	**81,422**

Table 1

Thorium/Lead – Maximum Ages

Million Years	Million Years	Million Years	Million Years
82,561	27,364	17,662	10,728
52,909	27,241	15,723	9,986
51,126	25,102	15,132	9,570
39,277	24,925	15,032	9,354
37,502	23,860	14,950	9,331
35,301	23,310	14,699	9,290
31,541	21,943	14,232	9,141
30,608	20,266	13,778	6,929
28,811	20,144	13,276	6,663
28,284	19,005	12,140	6,590
27,460	18,674	11,754	6,505

Table 2

Petrogenesis of the Flood Basalts

These samples were dated in 1998 by scientists from the Department Of Earth, Atmospheric And Planetary Sciences, Massachusetts Institute Of Technology. According to this article the samples were taken from the volcanic crust of the Kerguelen Archipelago that is only 30 million years old.[10] If we put isotopic ratios [11] into Microsoft Excel and run the through Isoplot we find the average age of Mount Bureau is over 5 billion years old. In Table 3 we see some fantastic dates for both mountains.

Thorium/Lead – Maximum Ages

Mount Bureau	Mount Rabouillere
44,378	7,788
9,092	7,518
8,651	7,416
8,624	6,560
8,144	6,422
8,142	6,328
8,023	6,216
7,507	5,966
7,245	4,406
7,046	2,799
6,961	
6,548	
5,787	
5,773	
5,639	
5,613	
5,107	

Table 3

Nature of the Source Regions

These samples were dated in 2004 by scientists from the Department Of Earth Sciences, The Open University, England. According to the article: "Most samples are Miocene in age, ranging from 10 to 25Ma in the south and 19Ma to the present day in northern Tibet."[12, 13] If we run the 87Rb/86Sr ratios [14] in the essay through Isoplot we get dates between 1 and 24 million years. If we run the Uranium/Lead ratios [15] in the essay through Isoplot we get unbelievable dates as listed below in Table 4.

Thorium/Lead – Maximum Ages

North Tibet	South Tibet
Age	Age
88,294	33,191
81,614	25,015
13,475	11,102
11,504	9,265
11,420	8,205
11,350	6,092
	4,826

Table 4

Generation of Palaeocene Adakitic Andesites

These samples were dated in 2007 by scientists from the Chinese Academy Of Sciences, Wushan, Guangzhou. According to the article: "The initial Sr, Nd and Pb isotopic ratios were corrected using the Ar/Ar age of 55Ma."[16, 17] If we run the Uranium/Lead ratios [18] in the essay through Isoplot we get unbelievable dates as listed below in Table 5.

Thorium/Lead – Maximum Ages	
Sample	**208Pb/232Th**
04YJ-6	10,518
04YJ-5	10,277
04YJ-9	8,529
04YJ-7	8,360
04YJ-1	8,165
04YJ-2	7,800

Table 5

Evidence for a Widespread Tethyan Upper Mantle

In 2005 scientists from the School of Ocean and Earth Science and Technology, University of Hawaii, Honolulu dated these rocks. According to the article: "Isotopic data for such sites show that mantle similar to that beneath the modern Indian Ocean was present, at least in places, as long ago as 140 Ma, the age of the oldest true Indian Ocean crust yet sampled." [19, 20] If we run the Rb/Sr ratios [21] through Isoplot we see that the average age is 168 million years. [Table 6]

Rb/Sr Ages Summary	
Average	168
Maximum	1,739
Minimum	0
Difference	1,739

Table 6

If we run the Pb/Th ratios [22] through Isoplot we see that the average age is 22,675 million years. [Table 7]

Pb/Th Ages Summary			
Maximum	**Minimum**	**Difference**	**Average**
58,795	4,869	53,926	22,675

Table 7

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
58,796	29,705	18,607	11,427
54,206	27,710	18,121	11,377
48,252	27,422	17,797	11,366
47,976	26,674	17,787	11,241
46,117	26,369	17,591	10,718
42,203	25,972	17,536	10,699
42,192	25,590	17,054	10,699
41,604	25,096	16,053	10,300
41,343	24,010	15,299	9,357
41,231	22,718	14,340	8,632
39,637	22,307	13,845	8,486
38,125	22,228	13,772	8,057
37,115	21,827	13,652	6,497
35,012	21,560	13,404	5,573
33,584	19,910	13,403	5,425
31,556	19,594	13,006	4,869
31,286	19,148	12,171	
30,740	18,765	11,540	

Table 8

Post-Collisional Potassic and Ultrapotassic

According to the article: "Major and trace element, Sr–Nd–Pb–O isotope and mineral chemical data are presented for post-collisional ultrapotassic, silicic and high-K calc-alkaline volcanic rocks from SW Tibet, with 40Ar/39Ar ages in the range 17–25 Ma." [23, 24] If we run the Rb/Sr ratios [25] through Isoplot we see that the average age is 43 million years. [Table 9]

Rb/Sr Ages Summary

Average	43
Maximum	1,258
Minimum	-1,439
Difference	2,697

Table 9

If we run the Pb/Th ratios [26] through Isoplot we see that the average age is 78,808 million years. [Table 10]

Pb/Th Ages Summary

Maximum	Minimum	Difference	Average
99,275	67,704	31,570	78,808

Table 10

In Table 11 we see a comparison between the model age ["True Age"] and the isotopic age derived from atomic ratios. We can see how far in error the Thorium dating system is.

208Pb/232Th Ages

Age	Model Age
68,343	43
67,704	43
70,277	43
71,706	43
95,541	43
99,275	43

Table 11

Continental Lithospheric Contribution to Alkaline

According to the article: "These two genetically related alkaline complexes were emplaced at the east Atlantic continent-ocean boundary during the Upper Cretaceous, i.e. 66-72 m. y. ago" [27] If we run the Rb/Sr ratios [28] through Isoplot we see that the average age is 65 million years. [Table 9]

Rb/Sr Ages Summary

Average	65
Maximum	74
Minimum	4
Difference	78

Table 12

If we run the Pb/Th ratios [28] through Isoplot we see that the average age is 6,126 million years. [Table 13]

Pb/Th Ages Summary

Maximum	Minimum	Difference	Average
10,084	2,616	7,467	6,126

Table 13

208Pb/232Th Ages

Age	Model Age
208Pb/232Th	Million Years
10,084	66
9,320	66
8,101	66
7,502	66
7,080	66
6,891	66
6,655	66
6,313	66
5,830	66
5,755	66
5,029	66

Table 14

Pin Pricking The Elephant

According to tables [29] in the article, the rock formation is only 120 million years old. If we run the ^{207}Pb/^{206}Pb ratios [30] through Isoplot we get an average age of 5,000 million years. If we run the Pb/Th ratios [31] through Isoplot we see in Table 15 that the age is between 12 billion and 14 billion years old.

208Pb/232Th Ages			
Pb/Pb Age	**5,379**	**5,385**	**5,000**
Pb/Th Age	**12,090**	**12,845**	**14,459**
Pb/U Age	**4,579**	**5,498**	**6,936**

Table 15

Chronology And Geochemistry Of Lavas

According to the article: "New ^{40}Ar/^{39}Ar incremental heating age determinations for dredged rocks from volcanoes east of Salas y Gomez Island show that, with very few exceptions, ages increase steadily to the east from 1.4 to 30 Ma" [32] Tables [33] in the article affirms this as the true age of the geological formation. [33] If we run the Pb/Th ratios [34] through Isoplot we see that the average age is 8,325 million years. [Table 16] In Table 17 we see some of the incredible dates all the way from 5 billion to almost 24 billion years old.

Pb/Th Ages Summary			
Chronology	**207Pb/206Pb**	**206Pb/238U**	**208Pb/232Th**
Summary	**Age**	**Age**	**Age**
Average	**4,919**	**3,694**	**8,325**
Maximum	**4,971**	**9,645**	**23,850**
Minimum	**4,881**	**1,166**	**4,129**
Difference	**90**	**8,479**	**19,720**

Table 16

Thorium/Lead – Maximum Ages	
Age	**Age**
23,850	**6,498**
16,942	**6,421**
15,364	**6,396**
13,004	**6,298**
9,061	**6,245**
8,393	**5,896**
7,654	**5,848**
7,599	**5,754**
7,101	**5,453**
7,054	**5,446**
6,607	

Table 17

Ion Microprobe U-Th-Pb Dating

According to the article: "The formation age of this meteorite is 1.53 ± 0.46 Ga. On the other hand, the data of nine apatite grains from Lafayette are well represented by planar regression rather than linear regression, indicating that its formation age is 1.15 ± 0.34 Ga" [35] If we run the Pb/Th ratios [36] through Isoplot we see that the average age is 20,409 million years. [Table 18] In Table 19 we see some of the incredible dates all the way from 7 billion to over 40 billion years old.

Uranium/Thorium/Lead - Ages Summary

Chronological	238U/206Pb	Th232/Pb208	Pb207/Pb206
Summary	Age	Age	Age
Average	4,416	20,409	4,768
Maximum	8,975	40,271	5,348
Minimum	1,245	7,426	3,897
Standard Dev	2,023	9,101	337

Table 18

Thorium/Lead – Maximum Ages

Age	Age
40,271	17,062
38,926	16,516
29,016	15,349
28,642	13,929
26,241	13,153
24,801	12,380
23,510	11,689
21,169	11,334
18,374	7,426
17,980	

Table 18

U–Th–Pb Dating Of Secondary Minerals

This dating was done in 2008 on minerals from Yucca Mountain, Nevada. It was done by scientists from the U.S. Geological Survey, Denver, Colorado, the Geological Survey of Canada, Ottawa, Ontario and the Research School of Earth Sciences and Planetary Science Institute, The Australian National University. According to the article: "Most $^{206}Pb/^{238}U$ ages determined for the calcite subsamples are much older than the 12.8-Ma age of the host tuff (Table 3 and Fig. 5) and thus unreasonable." [37] If we run the Pb/Th ratios [38] through Isoplot we see that the average age is 10,000 million years [Table 19]. The Rb/Sr ratios [39] gave a uniform result of 11 to 13 million years old [Table 19].

208Pb/232Th Ages Versus Rb/Sr Ages

Chronological	207Pb/206Pb	206Pb/238U	208Pb/232Th	87Rb/86Sr
Summary	Age	Age	Age	Age
Average	3,459	4,891	9,984	12
Maximum	8,126	31,193	352,962	13
Minimum	-445	1	2	11
Difference	8,571	31,192	352,960	2

Table 19

Another set of dates [40] in the essay [Table 20] give dates as high as 82 billion years old.

Uranium/Thorium/Lead - Ages Summary

Summary	$^{206}Pb/^{238}U$	$^{207}Pb/^{235}U$	$^{208}Pb/^{232}Th$
Average	1,540	46	7,687
Maximum	20,209	486	82,030

Minimum	1	0	3
Difference	20,208	486	82,027

Table 20

The Influence of High U-Th Inclusions

This dating was done in 1998 by scientists from Zurich, Switzerland. According to the article: "The U-Th-Pb data from the bulk dissolutions are highly complex and yield apparent ages ranging from 1000 Ma to 30 Ma." [41] If we run the Pb/Th ratios [42] through Isoplot we see that the dates vary from 300 to over 14,000 million years old [Table 21].

Uranium/Thorium/Lead - Ages Summary

Dating Summary	206Pb/238U Age	208Pb/232Th Age	Pb207/Pb206 Ages
Average	5,342	3,579	4,709
Maximum	29,040	14,316	5,000
Minimum	270	288	3,924
Std Deviation	9,042	5,192	368

Table 21

If we run another set of Pb/Th ratios [43] through Isoplot we see that the dates vary from 160 to over 37,000 million years old [Table 22].

Uranium/Thorium/Lead - Ages Summary

Dating Summary	206Pb/238U Age	208Pb/232Th Age	Pb207/Pb206 Ages
Average	1,621	4,084	4,180
Maximum	14,008	37,154	5,042
Minimum	177	161	1,325
Std Deviation	3,931	11,000	1,386

Table 22

U, Th And Pb Isotope Compositions

These samples were dated in 2009 by scientists from the Arthur Holmes Isotope Geology Laboratory, Department of Earth Sciences, Durham University. [44] According to the article: "Detailed petrographic and geochemical descriptions of the samples presented here can be found elsewhere" [45] If we examine what these other people [46-49] have said about the same rock formation the consensus is that it is three million years old.

If we run the Pb/Th ratios [50] through Isoplot we see that the dates vary from 2,000 to over 92,000 million years old [Table 23].

Uranium/Thorium/Lead - Ages Summary

Dating Summary	232Th/208Pb Age	238U/206Pb Age	207Pb/206Pb Age
Average	8,097	4,271	4,915
Maximum	92,495	18,639	5,008
Minimum	1,939	1,437	4,871
Difference	90,556	17,202	137

Table 23

Uranium/Thorium/Lead – Maximum Ages

232Th/208Pb	238U/206Pb	207Pb/206Pb
Age	Age	Age
92,495	18,639	5,008
73,503	15,307	5,001
42,038	10,772	5,000
29,253	10,312	4,996
13,018	9,291	4,984
10,956	5,625	4,964
10,621	4,508	4,959
10,022	3,767	4,949

Table 24

U–Th–Pb Isotope Data

According to the article: "In contrast to the apparent [207]Pb–[206]Pb ages, the minimum depositional age of the Warrawoona Group is 3,426Ma based on a U–Pb zircon age from the Panorama Formation." [51] If we run the Pb/Th ratios [52] through Isoplot we see that the dates vary from 25,000 to over 100,000 million years old [Table 25]. In Table 26 we can see the maximum ages for each dating method.

Uranium/Thorium/Lead - Ages Summary

Dating	207Pb/206Pb	206/Pb/238U	208Pb/232Th
Summary	Age	Age	Age
Average	5,325	15,192	56,976
Maximum	5,403	31,005	100,601
Minimum	5,222	7,138	24,980
Std Deviation	52	6,421	22,417

Table 25

Uranium/Thorium/Lead – Maximum Ages

207Pb/206Pb	206Pb/238U	208Pb/232Th
Age	Age	Age
5403	31,005	100,601
5395	20,343	84,457
5390	19,584	73,968
5351	17,306	67,423
5339	17,088	58,353
5332	13,410	57,116
5328	13,022	55,311
5315	11,479	51,607
5298	11,353	44,439
5296	10,652	39,090
5289	9,926	26,361
5269	7,138	24,980

Table 26

Evolution Of Reunion Hotspot Mantle

According to the article: "In the same context, the Trend 1 data imply that (1) the isotopic composition of the Reunion end-member has changed relatively little in the last 66 m.y." [53] If we run the Pb/Th ratios [54] through Isoplot we see that the dates vary from 5,000 to over 13,000 million years old [Table 27]. In Table 28 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	238U/206Pb Age	232Th/208Pb Age	207Pb/206Pb Age
Average	4,449	8,079	4,976
Maximum	6,285	13,287	5,016
Minimum	3,010	5,641	4,953
Std Deviation	916	2,086	18

Table 27

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
13,287	8,725	7,363	6,540
11,832	8,609	7,362	6,479
11,017	7,541	7,080	6,323
10,357	7,517	7,017	5,660
9,101	7,446	6,679	5,641

Table 28

Continental Growth 3.2 Gyr Ago

According to the article the rock formation is 3,200 million years old. [55] If we run the Pb/Th ratios [55] through Isoplot we see that the dates vary from negative 24,000 to over 11,000 million years old [Table 29]. In Table 30 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Summary	208Pb/232Th	238U/206Pb	207Pb/206Pb
Average	3,273	3,300	3,296
Maximum	11,517	4,463	3,897
Minimum	-24,295	1,560	2,667
Difference	35,813	2,902	1,229

Table 29

Thorium/Lead – Maximum Ages

Age	Age	Age	Age	Age
11,517	5,322	5,083	4,668	4,601
6,027	5,289	4,776	4,662	-366
5,806	5,130	4,709	4,638	-2,485
5,704	5,095	4,704	4,614	-24,295
5,568	5,085	4,690	4,610	-24,295

Table 30

Uranium-Lead Zircon Ages

If we run the Pb/Th ratios [56] through Isoplot we see that the dates vary from 6,000 to over 55,000 million years old [Table 31]. In Table 32 we can see the maximum ages for each dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	206Pb/238U Age	208Pb/232Th Age	207Pb/206Pb Age
Average	11,159	17,193	4,933
Maximum	23,421	55,110	4,997
Minimum	3,108	6,130	4,799
Std Deviation	6,223	13,524	59

Table 31

Uranium/Thorium/Lead – Maximum Ages

206Pb/238U Age	208Pb/232Th Age	207Pb/206Pb Age
23,421	55,110	4,997
20,387	29,742	4,991
18,909	27,889	4,981
17,143	27,051	4,976
16,784	21,318	4,972
15,320	19,224	4,969
12,851	18,091	4,965
12,012	17,944	4,957
10,579	16,474	4,953
9,677	15,059	4,949
9,424	14,779	4,947
9,099	13,374	4,945
9,044	11,951	4,925
8,094	10,783	4,921
6,776	9,336	4,915
5,719	8,644	4,910
5,500	8,058	4,892

Table 32

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
55,110	19,224	14,779	8,644
29,742	18,091	13,374	8,058
27,889	17,944	11,951	6,721
27,051	16,474	10,783	6,185
21,318	15,059	9,336	6,130

Table 33

The Pilbara Craton in Western Australia

According to the article the rock formation is 3,200 million years old. [57] If we run the Pb/Th ratios [58] through Isoplot we see that the dates vary from 2,000 to over 8,000 million years old [Table 34]. In Table 35 we can see the maximum ages for the Thorium/Lead dating method.

Thorium/Lead - Ages Summary

Average	4,853
Maximum	8,728
Minimum	2,792
Std Deviation	1,040

Table 34

Thorium/Lead – Maximum Ages

Age	Age	Age	Age	Age
8,728	6,241	5,721	5,430	5,058
8,296	6,191	5,643	5,417	5,042
7,017	6,076	5,578	5,288	5,032
6,433	5,786	5,533	5,171	5,027
6,431	5,759	5,522	5,138	4,999

Table 35

If we run another set of Pb/Th ratios [59] through Isoplot we see that the dates vary from 500 to over 17,000 million years old [Table 36]. In Table 37 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	207Pb/235U	206Pb/238U	208Pb/232Th
	Age	Age	Age
Average	2,955	2,956	6,286
Maximum	4,220	8,073	17,500
Minimum	1,921	1,074	535
Std Deviation	392	1,019	3,196

Table 36

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
17,500	8,891	7,493	5,743
13,259	8,768	7,443	5,594
13,100	8,689	7,368	5,512
12,821	8,343	7,343	5,512
12,662	8,320	7,240	5,455
12,212	8,247	7,192	5,432
11,163	8,232	7,148	5,255
10,959	8,197	7,047	5,253
10,783	8,064	6,478	5,229
10,668	8,013	6,270	5,154
10,384	7,949	6,199	5,148
9,945	7,947	6,152	5,135
9,580	7,861	6,083	5,115
9,124	7,702	6,052	5,047
8,908	7,692	5,885	5,033
8,905	7,612	5,803	4,889

Table 37

Timing of Sedimentation, Metamorphism, and Plutonism

According to the article the rock formation is 478 million years old. [60] If we run the Pb/Th ratios [61] through Isoplot we see that the dates vary from 500 to over 80,000 million years old [Table 38]. In Table 39 we can see the maximum ages for the Thorium/Lead dating method.

Thorium/Lead - Ages Summary

Average	19,539
Maximum	80,532
Minimum	489
Std Deviation	27,260

Table 38

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
80,532	66,448	51,879	24,604
74,016	65,076	51,751	16,809
70,713	65,000	51,545	15,748
69,057	61,342	34,766	15,365
68,831	60,335	31,045	13,384
68,503	58,364	28,397	11,945
67,672	56,792	24,733	9,477

Table 39

U–Th and U–Pb Systematics in Zircons

According to the article: "At Taupo, the zircon model ages range from <20 ka to >500 Ma." [62] If we run the Pb/Th ratios [63] through Isoplot we see that the dates vary from 11,000 to over 41,000 million years old [Table 40]. In Table 41 we can see the maximum ages for the Thorium/Lead dating method.

Thorium/Lead - Ages Summary

Average	22,847
Maximum	41,460
Minimum	11,390
Std Deviation	6,191

Table 40

Thorium/Lead – Maximum Ages

Age	Age	Age	Age	Age
41,460	26,447	23,441	21,348	18,534
34,824	25,988	23,025	20,730	18,140
33,392	25,525	22,704	19,977	17,701
29,182	24,858	22,560	19,950	17,357
29,126	24,325	22,493	19,738	16,455
28,671	24,160	22,138	19,422	16,221
27,733	23,992	21,885	19,360	15,726
27,587	23,665	21,877	19,307	15,301
26,533	23,448	21,390	19,024	11,390

Table 41

Hydrothermal Zebra Dolomite

According to the article the rock formation is 416 million years old. [64] If we run the Pb/Th ratios [65] through Isoplot we see that the dates vary from 6,000 to over 55,000 million years old [Table 42]. In Table 43 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	Pb206/U238 Age	Pb208/Th232 Age	Pb207/Pb206 Age
Average	11,353	17,193	4,933
Maximum	23,421	55,110	4,997
Minimum	1,715	6,130	4,799
Std Deviation	5,055	11,459	53

Table 42

Thorium/Lead – Maximum Ages

Age	Age
55,110	14,779
29,742	13,374
27,889	11,951
27,051	10,783
21,318	9,336
19,224	8,644
18,091	8,058
17,944	6,721
16,474	6,185
15,059	6,130

Table 43

If we run the Pb/Th ratios [65] in the second spreadsheet table through Isoplot we see that the dates vary from 6,000 to over 270,000 million years old [Table 44]. In Table 45 we can see the maximum ages for the Thorium/Lead dating method.

Thorium/Lead - Ages Summary

Average	90,690
Maximum	277,727
Minimum	6,643
Std Deviation	47,209

Table 44

Thorium/Lead – Maximum Ages

Billion Years	Quantity	Billion Years	Quantity
0 To 20	2	130 To 140	6
20 To 30	1	140 To 150	6
30 To 40	22	150 To 160	2
40 To 50	19	160 To 170	6
50 To 60	33	170 To 180	1
60 To 70	17	180 To 190	5
70 To 80	23	190 To 200	1
80 To 90	18	200 To 210	3
90 To 100	14	210 To 220	1
100 To 110	18	220 To 230	2
110 To 120	21	240 To 250	1
120 To 130	13	270 To 280	2

Table 45

Origin of Indian Ocean Seamount Province

According to the article the rock formation is 6 million years old. [66] If we run the Pb/Th ratios [67] through Isoplot we see that the dates vary from 2,000 to over 28,000 million years old [Table 46]. In Table 47 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	207Pb/206Pb Age	206Pb/238U Age	208Pb/232Th Age
Average	5,015	5,191	7,740
Maximum	5,087	18,210	28,677
Minimum	4,921	890	1,943
Std Deviation	48	3,634	4,590

Table 46

Thorium/Lead – Maximum Ages

Age	Age	Age	Age	Age
28,677	10,719	9,515	7,923	6,512
12,829	10,626	9,506	7,669	6,333
12,028	10,425	9,146	7,407	6,199
11,798	10,378	9,073	7,380	6,198
11,552	10,240	9,019	7,380	6,085
11,317	10,201	8,916	7,367	6,051
11,113	10,082	8,298	7,030	5,999
10,773	10,055	8,111	6,910	5,493
10,725	9,678	8,001	6,651	5,418

Table 47

Geochemistry Geophysics Geosystems

According to the article the rock formation is 100 million years old. [68] If we run the Pb/Th ratios [68] through Isoplot we see that the dates vary from 5,000 to over 82,000 million years old [Table 48]. In Table 49 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summary	206Pb/238U Age	207Pb/235U Age	207Pb/206Pb Age	208Pb/232Th Age
Average	15,345	7,019	4,936	39,068
Maximum	38,340	10,872	5,043	82,865
Minimum	3,125	4,385	4,760	5,577
Std Deviation	9,657	1,750	63	27,390

Table 48

Thorium/Lead – Maximum Ages

Age	Age	Age
82,865	51,821	16,417
81,065	45,608	7,512
75,644	45,035	6,840
72,833	42,233	6,626

64,393	39,019	6,322
58,240	27,562	5,579
57,334	23,571	5,577
56,640	19,834	

Table 49

Continental Lithospheric Contribution

According to the article the rock formation is 72 million years old. [69] If we run the Pb/Th ratios [69] through Isoplot we see that the dates vary from 5,000 to over 82,000 million years old [Table 50]. In Table 51 we can see the maximum ages for the Thorium/Lead dating method.

Dating Methods - Ages Summary

Dating Summaries	207Pb/206Pb Age	208Pb/232Th Age	206Pb/238U Age	87Rb/86Sr Age
Average	4,920	6,126	4,539	-47
Maximum	4,949	10,084	7,723	0
Minimum	4,894	2,616	2,306	-75
Difference	55	7,467	5,417	75

Table 50

Thorium/Lead – Maximum Ages

Age
10,084
9,320
8,101
7,502
7,080
6,891
6,655
6,313
5,830
5,755
5,029

Table 51

Cenozoic Volcanic Rocks of Eastern China

According to the article the rock formation is Quaternary in age. [70] If we run the Pb/Th ratios [71] through Isoplot we see that the dates vary from 4,000 to over 17,000 million years old [Table 52]. In Table 53 we can see the maximum ages for the Thorium/Lead dating method.

Dating Methods - Ages Summary

Table Summaries	207Pb/206Pb Age	206Pb/238U Age	208Pb/232Th Age	87Rb/86Sr Age
Average	5,057	5,296	10,589	-1,502
Maximum	5,120	8,584	17,171	0

Minimum	5,002	1,136	4,042	-3,593
Difference	118	7,448	13,129	3,593

Table 52

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
17,171	13,322	9,737	7,968
15,343	13,202	9,707	7,830
15,299	13,001	9,049	7,250
15,136	11,119	8,420	6,972
15,054	10,873	8,419	6,628
13,476	10,758	8,368	6,577

Table 53

Sr, Nd, and Pb isotopes

According to the article the rock formation is 2,900 million years. [72] If we run the Pb/Th ratios [73] through Isoplot we see that the dates vary from 79 to over 94,000 million years old [Table 54]. In Table 55 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Dating Summaries	232Th/208Pb	206Pb/238U	207Pb/206Pb
	Age	Age	Age
Average	14,198	7,366	5,014
Maximum	94,396	22,201	5,077
Minimum	79	1,117	4,945
Difference	94,317	21,083	131

Table 54

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
94,396	39,267	10,595	8,171
90,683	26,266	10,284	7,789
74,639	18,334	9,328	7,638
58,153	16,357	8,821	7,375
55,324	14,250	8,771	7,317
45,242	11,215	8,403	5,759

Table 55

An Extremely low U/Pb Source

According to the article: "The Rb-Sr data yield an internal isochron age of 3,840 ± 32 Ma." [74] If we run the Pb/Th ratios [75] through Isoplot we see that the dates vary from 5,000 to over 13,000 million years old [Table 56]. In Table 57 we can see the maximum ages for the Thorium/Lead dating method.

Uranium/Thorium/Lead - Ages Summary

Table Summaries	207Pb/206Pb	206Pb/238U	208Pb/232Th	207Pb/235U	87Rb/86Sr
	Age	Age	Age	Age	Age

Average	4,673	8,035	10,148	4,546	3,619
Maximum	5,018	56,923	65,286	8,128	5,385
Minimum	3,961	1,477	2,542	2,784	721
Difference	1,057	55,445	62,744	5,344	4,664

Table 56

Thorium/Lead – Maximum Ages

Age	Age	Age	Age
65,286	14,430	9,094	5,401
33,898	14,410	6,520	5,396
25,013	13,107	6,166	5,365
22,178	12,738	6,121	5,098
21,204	11,641	5,671	5,035
17,611	11,174	5,408	4,678

Table 57

Petrogenesis and Origins of Mid-Cretaceous

According to the article: "The basal lava flow displays a sharp contact with the underlying terrestrial sediments, which in turn rest on shallow marine sediments of Ngaterian age (100.2-95.2Ma)." [76] If we run the Rb/Sr ratios [77] through Microsoft Excel we see that the dates vary from 15 to 85 million years old [Table 58]. If we run the Pb/Th ratios [78] through Isoplot we see that the dates vary from 4,000 to over 10,000 million years old [Table 58]. In Table 59 we can see the maximum ages for the Thorium/Lead dating method.

Dating Methods - Ages Summary

Table	207Pb/206Pb	207Pb/235U	87Rb/86Sr	208Pb/232Th	206Pb/238U
Summaries	Age	Age	Age	Age	Age
Average	4,876	4,416	59	6,333	3,515
Maximum	4,945	5,159	85	10,716	5,717
Minimum	4,836	4,088	15	4,785	2,712
Difference	109	1,071	70	5,931	3,005

Table 58

Thorium/Lead – Maximum Ages

Age	Age	Age
10,716	6,355	5,655
7,520	6,354	5,598
7,259	6,138	5,519
7,145	6,032	5,515
6,559	5,972	5,505
6,511	5,972	5,210

Table 59

Conclusion

If we use the standard formula [79] for calculating Rb/Sr ages we find on many occasions that the Uranium/Thorium/Lead dates are all wrong! Evolutionist Brent Dalrymple states:

"Several events in the formation of the Solar System can be dated with considerable precision." [80]

Looking at some of the dating it is obvious that precision is much lacking. He then goes on:

"Biblical chronologies are historically important, but their credibility began to erode in the eighteenth and nineteenth centuries when it became apparent to some that it would be more profitable to seek a realistic age for the Earth through observation of nature than through a literal interpretation of parables." [81]

I his book he gives a table [82] with radiometric dates of twenty meteorites. If you run the figures through Microsoft Excel, you will find that they are 98.7% in agreement. There is only a seven percent difference between the ratio of the smallest and oldest dates. As we have seen in this essay, such a perfect fit is attained by selecting data and ignoring other data. A careful study of the latest research shows that such perfection is illusionary at best.

Much of the data in Dalrymple's book is selectively taken to suit and ignores data to the contrary. The Bible believer who accepts the creation account literally has no problem with such unreliable dating methods. Much of the data in Dalrymple's book is selectively taken to suit and ignores data to the contrary.

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Geo_Dating\Lead_206_207\Master_Index.xlsm

Install Isoplot Version 4 to make the formulas work
http://www.bgc.org/isoplot_etc/isoplot.html

1   **http://web.archive.org/web/20051223072700/http://pubs.usgs.gov/gip/geotime/age.html**
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