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What does the last 14 seconds on the cosmic calendar represent

The Deep-Time Cosmic Calendar over the life of 13.7 billion years of the universe is mapped to one year. On this scale the Big Bang takes place on January 1 at midnight, the current time is December 31 at midnight, and each time is 434 years old. That scale was popularized by Carl Sagan in his book *The Dragons of Eden* and in the *cosmos* television series, which he was a hit with. This image is the work of Eric Fisk. The images were composed from Wikipedia, NASA, and other government websites. Creative Commons Attribution-ShareAlike 3.0, Wikipedia Editor's note: The text on this page is from Wikipedia, apart from one or two light edits, taken verbatim because their offerings look as good as any, and I cannot be bothered to recreate the wheel. The main difference is the color embalming according to era and so on. MAK110824, 110917 The Cosmic Year of the Cosmic Calendar is the scale on which the life of the 13.7 billion years of the universe is mapped to one year. This image helps put the history of cosmology, evolution, and writing in context. On this scale the Big Bang takes place on January 1 at midnight, and the current time is mapped to December 31 at midnight. On this scale, there are 434 instantaneous years, 1.57 million year-an-hour, and 37.7 million years a day. This concept was popularized by Carl Sagan in his book *The Dragons of Eden* (1977) and in his television series *Cosmos*. [2] Sagan goes on to compare in terms of surface area, explaining that if the Cosmic Calendar scaled to the size of a football field, then all human history would occupy the area of [his] hand size. [3] Cosmic Year This article requires additional passages for authentication. Please help improve this article by adding passages to reliable sources. Unsumbossed material can be spread and removed. Find sources: Cosmic Calendar - news - newspapers - books - cleric - JSTOR (April 2018) (Know how and when to outsource this template message) The Cosmic Calendar shows the relationship of the universe's scaled time and all events on Earth as plotted throughout one 12 months, 365 days, years. On this scale, one moment is worth 438 years; one minute is approximately 26,000 years; an hour is 1.6 million years; and a day is 38 million years. Cosmological Date Bya (Billion Years Ago) Event 1 Jan 13.8 Big Bang, as seen through cosmic background radiation 14 Jan 13.1 The oldest known Gamma Ray Burst 22 Jan 12.85 First galactic form[4] 16 March 11 Milky Way Galaxy was established May 12, 8.8 Milky Way Galaxy cakera formed 2 Sep 4.57 formation of solar system 6 Sep 4.4 The oldest known stone at Tarikh Earth in years is calculated from formula T(day) = 365 days * 0.100/13.797 (1- T_Gya/13.797) Evolution of life in Earth Date Bya (Billion Years Ago) Event 14 Sep 4.1 The first known corpse of biotic life (found in rocks aged 4.1 billion years in Western Australia). [5] [6] 21 Sep 3.8 First Life (Prokaryotes)[7][8][9] 30 Sep 3.4 Photosynthesis 29 Oct 2.4 Atmospheric Oxygenation 9 Nov 2 Complex Cells (Eukaryotes) 5 Dis 5 Dis 1 0.8 First Multicellular Life[10] 7 Dis 0.67 Easy Haiwans 14 Dis 0.55 Artropods (ancestor insects, arachnids) 17 Dis 0.5 Fish and Proto-amfen 20 Dis 0.45 Earth Loji; Ordovician-Silurian 21 Dis 0.4 Insect and Seed Events 22 Dis 0.36 Amphibia; Devonian foreskin through 23 Dis 0.3 Reptilia 24 Dis 0.25 Permian-Triassic event of extension; 57% of all biological families and 83% of all dead genera 25 Dinosaur 26 Dinosaur 26 Dis 0.2 Mammals; Triassic-Jurassic 27 Dis 0.15 Dis 28 Dis 0.13 Flowers 30 Dis, 06:24 0.065 Cretaceous-Paleogene event kepupusan, dinosaur not dead bird[11] Date of human evolution / mya period(Million Years Ago) Event 30 Dis 65 Primates 31 Dis, 06:05 15 Apes 31 Dis, 14:24 12.3 Hominids 31 Dis, 22:24 2.5 Primitive Man and Stone Tools 31 Dis, 23:44 0.4 Domestic Fire 31 Dis, 23:52 0.2 Modern Human Anatomy 31 Dis, 23:55 0.11 Beginning of Period Most Recent 31 Dis, 23:58 0.035 Statues and Paintings 31 Dis, 23:23:58 0.035 Statues and Paintings 31 Dis, 23:23:55 23:23:55 History of Agriculture begins Date / time of Kya (Thousands of Years Ago) Events 31 Dec, 23:59:33 12.0 End of Ice Age 31 Dec, 23:59:41 8.3 Doggerland Flood 31 Dec, 23:59:46 6.0 Chalcolithic 31 Dec, 23:59:47 5.5 Gangsa; Proto writing; Stonehenge Cursus Building Dec 31, 23:59:48 5.0 Egypt's First Dynasty, Early Dynasty Period at Sumer, Indus Valley Commencement Civilization 31 Dec, 23:59:49 4.5 Abjad, Akkadian Empire, Wheeler 31 Dec, 23:59:51 4.0 Hammurabi Code, Central Government of Egypt 31 Dec, 23:59:52 3.5 Wonder Minoan 31 Dec, 23:59:53 3.0 Iron Age; Classic Antiquities Startup 31 Dec, 23:59:54 2.5 Buddha, Mahavira, Zoroaster, Confucius, Qin Dynasty, Greek Classic, Ashokan Empire, Vedas Finished, Euclidean Geometry, Archimedean Physics, Republic of Rome 31 Dec, 23:59:55 2.0 Astronomy olemaic, Rome Creation 0 Gupta Empire 31 Dec, 23:59:56 1.5 Muhammad, Virtual Civilization, Song Dynasty, Rise of the Byzantine Empire 31 Dec, 23:59:58 1.0 Mongol Empire, Maratha EmpirePire, Crusades, Christopher Columbus Voyages to America, Renaissance in Europe, Classical Music to Johann Sebastian Bach's Time Second/Kya time (Thousands of Years Ago) Event 31 Dec, 23:59:59 0.5 Modern History; 437.5 years ago earlier. Masa Depan Sistem Bumi dan Surya (Tahun 2) Tarikh / masa kyr (Ribu tahun), myr (Juta tahun), dan Byr (berbilion tahun) Peristiwa 1 Jan, 00:00:01 0.5 Kyr Anthropocene Epoch 1 Jan, 00:00:23 10.0 Kyr Antares meletup ke dalam supernova 1 Jan, 00:00:50 20.0 Kyr Chernobyl menjadi selamat 1 Jan, 00:00:57 20.0 Kyr Mesej Arecibo mencapai kelompok M13 1 Jan, 00:01:54 50.0 Kyr Niagara Jatuh terhakis 1 Jan, 00:03:48 100.0 Usul Kyr Proper membuat semua buruj tidak dapat dikenali 1 Jan, 00:11:24 300.0 Kyr WR 104 meletup 1 Jan, 00:19:02 5 00.0 Kyr Earth mungkin melanda 1 km asteroid 1 Jan, 00:38:05 1.0 Myr Pyramids dari Giza menghakis jauh 1 Jan, 04:34:17 7.2 Myr Mount Rushmore menghakis 1 Jan , 16:30 20.00 Myr Timur Afrika berpecah selain 2 Jan 50.00 Myr Mediterranean Sea ditutup kerana Eropah dan Afrika berlanggar 3 Jan 100.00 Myr Zuhul kehilangan cincinnnya 5 Jan 180.00 Myr Earth hari menjadi satu jam lagi 7 Jan40.00 Sistem Solar Myr melengkapkan satu year galaxy 8 Jan 250.00 Myr formation is likely to be a new supercontinent Jan 600.00 Myr Solar Eclipse is no longer possible Jan 700.00 Myr Atmospheric CO2 level too low for photosynthesis, all life complex dead 8 Feb 1.0 Byr Earth ocean eroded away March 1, 2.0 Byr All life on Earth died March 18, 3.0 Byr Milky Way-Andromeda collision 9 Apr 4.0 Byr Sun grew into a red giant Apr 4.0 Byr Global, hot enough to melt lead 28 Jul 7.9 Byr Sun destroyed Earth August 12, 8.0 Byr Sun became a white dwarf 31 Dec 12.0 Byr Solar System no longer exists Next Time (Year 3 onwards) Date / time Byr (berbilion years) and above Year of Events 8, 1 Apr 100.0 The galaxy is lost beyond the horizon of light Year 7247, 13 Dis 100 trilion Star formation ends Year 72,479, 11 Jul 1 quadrillion Sun cool down to -268 deg C Year 7.94×1035 3×1043 Black Hole Era Year 4.54× & amp; Lt;7>1098 1.7×1098 The last black hole to climb the Year 10100 The Dark Era began, The death of the heat of the universe See also The Great History – the history of the Big Bang to this day. Detailed logarithmic timelines List of ancient historical timelines The earliest modern historical timelines of the evolution of life - Scientific theory while outlining key events during the construction of distant future lifelines - Scientific explanation of the line future of human evolution - chronological guidelines of major events in the development of human species Prehistoric human timeline - Timeline of ancient humanity modern history Timeline of natural history of plant evolution - Guideline chronology of major events in plant development Chronology of the universe - Events since the Big Bang, 13.8 billion years ago The Medieval Cosmic Period Reference Line ^ Therese Puyau Blanchard (1995). The Universe At the End of Your Finger Activity: The Cosmic Calendar. Pacific Astronomical Union. Diarkibkan from the original in 2007-12-16. 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