151119 john@earthPa.us

NASA's satellite **DSCOVR** launched 150211

at gravitational equilibrium 1507

note seasonal tilt!

(how much more?) *(on earth)*

Time

now daily updates GOD's view of us !

2015 07 20

eon	era	period	epoch
ecozoic	succeeds Cenozoic **era**, transition bridged by continuing? **anthropo**cene **epoch**		
phanerozoic	**Cenozoic** -66	quaternary	-.002 anthropocene
			- .01 holocene
			-2.6 pleistocene
		neogene	pliocene
			miocene
		paleogene	oligocene
			eocene
			paleocene
	mesozoic -252	cretacious	
		jurassic	
		triassic	
	paleozoic -541	permian	
		carboniferous	
		devonian	
		silurian	
		ordovician	
		cambrian	
prot ero zoic -2500	neo		
	meso		
	paleo		
Archean -4000	neo		
	meso		
	paleo		
	eo		
Hadean -4540			

?? how much farther goes anthropo ??

The Cretaceous–Paleogene (K–Pg) extinction event,[a] formerly known as the Cretaceous–Tertiary (K–T) extinction,[b] was a mass extinction of some three-quarters of plant and animal species on Earth—including all non-avian dinosaurs—that occurred over a geologically short period of time 66 million years ago.[2][3] It marked the end of the Cretaceous period and with it, the entire Mesozoic Era, opening the Cenozoic Era which continues today.

(from wikipedia)

Pangaea

[a] The abbreviation is derived from the juxtaposition of **K**, the common abbreviation for the Cretaceous,
which in turn originates from the correspondent German term Kreide, and Pg, which is the abbreviation for the Paleogene

[b] The former designation includes the term 'Tertiary' (abbreviated as **T**), which is now discouraged
as a formal geochronological unit by the International Commission on Stratigraphy.[1]

1 Ogg, James G.; Gradstein, F. M; Gradstein, Felix M. (2004). *A geologic time scale 2004* .
Cambridge, UK: Cambridge University Press. ISBN 0-521-78142-6.

2 Renne, Paul R.; Deino, Alan L.; Hilgen, Frederik J.; Kuiper, Klaudia F.; Mark, Darren F.; Mitchell III, William S.; Morgan, Leah E.; Mundil, Roland; Smit, Jan. (7 February 2013)
"Time Scales of Critical Events Around the Cretaceous-Paleogene Boundary". Science 339 (6120): 684–687. Bibcode:2013Sci.339..684R

3 Fortey, R (1999). *Life: A Natural History of the First Four Billion Years of Life on Earth* . Vintage. pp. 238–260. ISBN 978-0-375-70261-7.

Million years ago (earth is born!)

Detailed, official chart

This page may facilitate further reading,
especially **Thomas Berry**
especially **Sacred Universe**, especially later chapters...

or, start with

A Walk Through Time
from Stardust to Us; evolution of life on earth
by Sidney Liebes, Elisabet Sahtouris, & Brian Swimme