Eral/markera

Eonothem/Eon

Siozone

INTERNATIONAL CHRONOSTRATIGRAPHIC CHART www.stratigraphy.org International Commission on Stratigraphy v 2015/01



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	numerical gage (Ma)	~ 541.0 ±1.0 ~ 635	~ 720	1000	1200	1400	9 0	1600	1800		_	2500	2800		3200		3000	4000		~ 4600	d by Global their lower	rozoic, long Charts and the website	und below.	oundaries	orovided.	leistocene, ken from	2); Cretaceous			15	X. (2013; updat s 36: 199-204.
	P & System / Period & S	Ediacaran 🔇	Cryogenian (7)		Stenian	Ectasian	Calymmian	Statherian	Orosirian	Rhyacian	Siderian	⋑ —	0		0			1	ean	ոնվունվունվունվունվունվունվուն	ocess of being defined and Points (GSSP) for	undriady suredyte section and chairs (USSA) for their lower boundaries, including those of the Archean and Protenzoric, long defined by Global Standard Stratigraphic Ages (GSSA), Charts and detailed information on ratified GSSPs are available at the website thtp://www.stratigraphy.org. The URL to this chart is found below.		Numerical ages are studed; to revision and do not define units in the Phanerozoica and the Edicacran; only GSSPs do. For boundaries in the Dhanerozoic without ratified GSSPs or without Americained.	e numerical age (~) is p	Numerical ages for all systems except Lower Pleistocene, Permian, Triassic, Crefaceous and Precambrian are taken from	A Geologic Time Scale 2012' by Gradstein et al. (2012); those for the Lower Pletstocene, Permian, Trissic and Cretaceous	for the	:://www.ccgm.org)	Criar draited by N.W. Corieri, S.C. Fillingy, F.L. Gibbard (c) International Commission on Stratigraphy, January 2015	To cite: Cohen, K.M., Finney, S.C., Gibbard, P.L. & Fan, JX. (2013; update The ICS International Chronostratigraphic Chart. Episodes 36: 199-204.
	Erathem / Era	Neo- proterozoic			Meso- proterozoic			Paleo-		proterozoic			archean	Meso- archean	- (Paleo- archean	E0-	archean	Hadean	ՈւՈւՈւՈւՈւՈւ	anks are in the priratotype Section a	italotype Section of including those of including those of including those of including the includin		oic and the Ediacara	jes, an approximat	ages for all systensic. Cretaceous a	Fime Scale 2012' b Lower Pleistocene	we the Commission	Geological Map of the World (http://www.ccgm.org)	al Commission on S	n, K.M., Finney, S.C national Chronostra
	Eonothem / Eon	Precambrian Proterozoic															ոՈոՈոՈո	Units of all Boundary S boundaries, defined by C detailed inficients.//www.s			Numerical and Phanerox in the Phanerox in the Phanerical and Institute Insti		Jumerical a	A Geologic hose for the	vere provide	Seological M	c) Internation	To cite: Cohe			
	_	358.9 ± 0.4	372.2 ±1.6		382.7 ±1.6	387.7 ±0.8	393.3 ±1.2	407.6 ±2.6	410.8 ±2.8	419.2 ±3.2	425.0 ±2.3 425.6 ±0.9	430.5 ±0.7	433.4 ±0.8	438.5 ±1.1 440.8 ±1.2	443.8 ±1.5	445.2 ±1.4	453.0 ±0.7	458.4 ±0.9	467.3 ±1.1 470.0 ±1.4		477.7 ±1.4 U	485.4 ±1.9 0	494			504.5	~ 514 tt		20 00	970	541.0 ±1.0
003 / 100 Policod	Stage / Age C		ramennian	Frasnian	Givetian	Eifelian			Pragian Lochkovian		Ludfordian 4 Gorstian	Homerian Sheipwoodian S	Telychian		Himantian *		Sandbian	Darriwilian	Dapingian <	Floian	ian	Stage 10	Jiangshanian	Guzhangian <		Stage 5	Stage 4	Stage 3	Stage 2	Fortunian	
	ج Series / Epoch		Upper			Middle		Lower		Pridoli	Ludlow	Wenlock		Llandovery		Upper		Middle		Lower			Furongian		Series 3			Series 2		Terreneuvian	
M/EON	Eonothers Methers System																														
numerical age (Ma) - 145.0 152.1±0.9 157.3±1.0 168.3±1.3 168.3±1.3 168.3±1.3 168.3±1.3 168.3±1.3 174.1±1.0 182.7±0.7 - 227 - 237 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 227 - 237 - 247 - 268.9 ±0.1 - 268.9 ±0.1 - 268.9 ±0.1 - 315.2 ±0.2 - 323.2 ±0.4															330.9 ±0.2		346.7 ±0.4	358.9 ±0.4													
	Stage / Age CS	Tithonian	Kimmeridgian	Callovian	Bathonian Sajocian	Aalenian	Toarcian	Pliensbachian 🧸	Sinemurian	Rhaetian	1	Nonan	Carnian	Ladinian	Anisian	Olenekian Induan	Wuchiapingian	Capitanian		Roadian	Kungurian	Artinskian	Sakmarian		Kasimovian	Moscovian	Bashkirian	Serpukhovian	Visean	Toumaisian	- Colligional
Poliod	Series / Epoch		Upper					Lower			-			Middle		Lower			Guadalupian	Cisuralian		Upper			Pennsylva			Middle Middle Middle			
U) EOU	Eonothers Mediters Andrem System																orəli	Carbonife													
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	Stage / Age CS		Middle	Calabrian 4	Piacenzian 4	Zanclean		Serravallian		Aquitanian &		Rupelian	Priabonian	Bartonian	Lutetian 🤦	Ypresian		Selandian	a.		Campanian	Santonian	Turonian	⊆		Albian	Aptian	Barremian	Hauterivian	Valanginian	Berriasian
POUS	Series / Epoch	Holocene			gaooila				Miocene			Oligocene			Focene			- 				Upper						3	L L COME		
LEB VEB WIED	4/010	suy	tern.)		əu	ə6o:		70U:			Э	uəf) ()	Pale				Mesozoic Cretaceous											

Phanerozoic

URL: http://www.stratigraphy.org/ICSchart/ChronostratChart2015-01.pdf