PHANEROZOIC and PRECAMBRIAN CHRONOSTRATIGRAPHY 2016

Eonothem Eon	Erathem Era	System Period	Series/ Epoch	Stage/Age	Age Ma	GSSP
			Anthropoc			
		Quaternary		Upper	4.2 ka	
			Holocene	Middle	8.2 ka	
				Lower	11.8 ka	
				Upper	126 ka	
			Pleisto- cene	"lonian"	773 ka	
				Calabrian	1.80	8
				Gelasian	2.58	8
			Pliocene	Piacenzian	3.60	8
				Zanclean	5.33	8
	i C	e e		Messinian	7.25	1
	0 2	ger		Tortonian	11.63	8
	Cenozo	Neogene	Miocene	Serravallian	13.82	8
				Langhian	15.97	
				Burdigalian	20.44	
				Aquitanian	23.03	8
			Oligocene	Chattian	28.1	
				Rupelian	33.9	8
		a)		Priabonian	38.0	_
		en	F	Bartonian	41.0	
		Paleogene	Eocene	Lutetian	47.8	8
				Ypresian	56.0	8
i C		П		Thanetian		8
anerozoic			Paleocene	Selandian	59.2	8
0 2					Danian	61.6 66.0
-			Upper	Maastrichtian	72.1	8
n				Campanian	84.2	
а				Santonian	86.5	8
P h				Coniacian	89.8	_
		ns		Turonian	93.9	8
	sozoic	9		Cenomanian	100.5	8
			Lower	Albian	113.1	_
				Aptian	126.3	
				Barremian	126.3	
				Hauterivian	134.7	
				Valanginian	134.7	
				Berriasian	145.0	
			Upper	Tithonian	152.1	
	S O			Kimmeridgian	157.3	
	Mes			Oxfordian	163.1	
			Middle	Callovian	166.1	
				Bathonian	168.3	8
				Bajocian	170.3	8
				Aalenian		8
			Lower	Toarcian	174.2	8
				Pliensbachian	183.7	8
				Sinemurian	191.4	8
				Hettangian	199.4	1
			Upper	Rhaetian	201.4	-
				Norian	~ 209.6	
					~ 228.5	

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Eonothem Eon	Erathem Era	System Period	Se Er	ries/ ooch	Stage/Age	Age Ma	GSSP
	Ö	0		iddle	Ladinian	237.0 -	A
	020	ssic	IVI	idale	Anisian	241.5	
	Mesc	Trias	Lower		Olenekian	246.8 249.8	
					Induan	251.9	A
			Lon	ingion	Changhsingian	251.9	<i>></i>
		Permian	Lop	ingian	Wuchiapingian	259.8	<i>></i>
			Gu lu	ıodo	Capitanian	265.1	<i>></i>
				pian	Wordian	268.8	<i>></i>
					Roadian	272.3	22222
		Pe	Cisuralia		Kungurian	282.0	-
				ıralian	Artinskian	290.1	
				ıranan	Sakmarian	295.0	
					Asselian	298.9	
				Upper Middle	Gzhelian	303.4	
		sn	Penn- sylvanian		Kasimovian	l	
		ferous			Moscovian	306.7	
		ᅙ	S	Lower	Bashkirian	314.6	<i>></i>
		Carbo	,, ⊏	Upper	Serpukhovian	323.2	0
		Cal	ssis- opian	Middle	Visean	330.9	A
			≅ ig	Lower	Tournaisian	346.7	1
				pper	Famennian	358.9	^
			Up		Frasnian	372.2	٨
ပ		Devonian	.		Givetian	382.7	1
ļ. <u>-</u>			Mi		Eifelian	387.7	~
2		e S	Lower		Emsian	393.3	2
anerozoi	ပ			Pragian	407.6	2	
e	-				Lochkovian	410.8	ひと ひと ひと ひと ひと ひと ひと
_	eozoi		Pı	idoli		419.2	1
7	0			enlock	Ludfordian	423.0	~
۵	<u>_</u>				Gorstian	425.6	2
	Д.	lä			Homerian	427.4	2
		Siluriar	We		Sheinwoodian	430.5	<i>></i>
		လ	Llan	Llandovery	Telychian	433.4	>
					Aeronian	438.5	8
		Ordovician			Rhuddanian	440.8	2
			Up		Hirnantian	443.8	2
				oper	Katian	445.2	2
					Sandbian	453.0	<i>></i>
			М	iddle	Darriwilian	458.4	~~~~~~~~
					Dapingian	467.3	2
			Lo	ower	Floian	470.0	1
					Tremadocian	477.7	1
					Stage 10	485.4	0
			Furongian	Jiangshanian	489.5	<i>></i>	
		Cambrian		Paibian	494		
			Series 3	Guzhangian	497	8 8 8	
				Drumian	500.5	2	
				Stage 5	504.5	0	
					Stage 4	509	
			Se	ries 2	Stage 3	514	
				erre-	Stage 2	~ 520	
				uvian	Fortunian	~ 530 541.0	٨
						J4 1.0	0

	Eonothem Eon	Erathem/ Era	System/ Period	Age Ma SSS Age Age Age Ma
ecambrian	Proterozoic	Neo- proterozoic Cryogenian Tonian Meso- proterozoic Ectasian Calymmian Statherian Paleo- proterozoic Rhyacian Proterozoic Rhyacian		720 d 1000 d 1200 d 1400 d 1600 d 1800 d 2050 d 2300 d 2500 d
ecan	Archean	Neo- archean		2800 (1)
Pro		Meso- archean		3200 (4)
		Paleo- archean		3600 🕘
		Eoarchean Hadean (ir	-fa was a l)	4000
\sim		~4560		

Units of the international chronostratigraphic scale with estimated numerical ages.

Colors are according to the Commission for the Geological Map of the World.

Subdivisions of the Phanerozoic (~541 Ma to Present) and the base of the Ediacaran are defined by a basal Global Boundary Stratotype Section and Point (GSSP), whereas the Precambrian units are formally subdivided by absolute age (Global Standard Stratigraphic Age, GSSA). Stratigraphic information and

details on international and regional geologic units can be found on the websites of the Geologic TimeScale Founda-

https://engineering.purdue.edu/s tratigraphy and

the ICS www.stratigraphy.org.

This chart was drafted by Gabi Ogg