



INTERNATIONAL CHRONOSTRATIGRAPHY

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International Commission on Stratigraphy

Eonothem / Eon
Erathem / Era
System / Period

Series / Epoch	Stage / Age	GSSP	numerical age (Ma)
Quaternary	Holocene	U/L	present
		M	0.0042
		L/E	0.0082
Pleistocene	Upper	U/L	0.0117
	Chibanian	M	0.129
	Calabrian	L/E	0.774
	Gelasian	L/E	1.80
	Piacenzian	U/L	2.58
Pliocene	Zanclean	L/E	3.600
	Messinian	U/L	5.333
Miocene	Tortonian	U/L	7.246
	Serravallian	M	11.63
	Langhian	L/E	13.82
	Burdigalian	L/E	15.97
	Aquitainian	L/E	20.44
	Chattian	L/E	23.03
	Rupelian	L/E	27.82
Oligocene	Priabonian	L/E	33.9
	Bartonian	L/E	37.71
	Lutetian	L/E	41.2
Eocene	Ypresian	L/E	47.8
	Thanetian	L/E	56.0
	Selandian	L/E	59.2
	Danian	L/E	61.6
Paleocene	Maastrichtian	L/E	66.0
	Campanian	L/E	72.1 ± 0.2

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Jurassic	Tithonian	L/E	~ 145.0	
	Upper	Kimmeridgian	149.2 ± 0.7	
		Oxfordian	154.8 ± 0.8	
	Middle	Callovian	L/E	161.5 ± 1.0
		Bathonian	L/E	165.3 ± 1.1
		Bajocian	L/E	168.2 ± 1.2
		Aalenian	L/E	170.9 ± 0.8
	Lower	Toarcian	L/E	174.7 ± 0.8
		Pliensbachian	L/E	184.2 ± 0.3
		Sinemurian	L/E	192.9 ± 0.3
Hettangian		L/E	199.5 ± 0.3	
Rhaetian		L/E	201.4 ± 0.2	
			~ 208.5	
Triassic	Upper	Norian	~ 227	
		Carnian	~ 237	
	Middle	Ladinian	L/E	~ 242
		Anisian	L/E	247.2
	Lower	Olenekian	L/E	251.2
Induan		L/E	251.902 ± 0.024	
Permian	Changhsingian	L/E	254.14 ± 0.07	
	Lopingian	L/E	259.51 ± 0.21	
	Wuchiapingian	L/E	264.28 ± 0.16	
	Capitanian	L/E	266.9 ± 0.4	
	Wordian	L/E	269.5 ± 0.6	
	Roadian	L/E	273.01 ± 0.14	
	Kungurian	L/E	282.5 ± 0.6	

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Devonian	Upper	Famennian
		Frasnian
	Middle	Givetian
		Eifelian
	Lower	Emsian
		Pragian
Lochkovian		
Silurian	Pridoli	
	Ludlow	
	Wenlock	Ludfordian
		Gorstian
		Homerian
	Sheinwoodian	
Llandovery	Telychian	
	Aeronian	
	Rhuddanian	
	Hirnantian	
Ordovician	Upper	Katian
		Sandbian
	Middle	Darriwilian
		Dapingian
	Lower	Floian
		Tremadocian