

INTERNATIONAL CHRONOSTRATIGRAPHIC CHART

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~ 139.8

~ 145.0

Berriasian

International Commission on Stratigraphy



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	į	, o .				Д	
	\$0000	E/34,	System Fig	Series / Epoch	Stage / Age	GSSP	numerical age (Ma)
			_>	Holocene		<	present
		第一页		全新统	Upper		0.0117
		L		Pleistocene 更新统	Middle		0.126
		7.	Quater		Calabrian	<	0.781
					Gelasian		1.80
					Piacenzian	1	2.58
			继Neogene	Pliocene 上新统	Zanclean	<	3.600
				Miocene 中新统	Messinian	<	5.333
					Tortonian		7.246
					Serravallian	1	11.62
		0				1	13.82
		Ö	幺		Langhian		15.97
		02	近系		Burdigalian		20.44
		数生界 Cenozoic			Aquitanian	1	23.03
			Í		Chattian		
	Phanerozoic			Oligocene 渐新统	Rupelian	4	28.1
				Eocene 始新统	Priabonian		
					Bartonian		38.0
					Lutetian	<	41.3 47.8
					Ypresian	<	
	an			Paleocene 古新统 Danian	Thanetian	<	56.0 59.2
	Ph				Selandian	4	61.6
					Danian	<	
	显						66.0
	生宇	出来 Mesozoic		Maastrichtian	<	72.1 ±0.2	
	T				Campanian		83.6 ±0.2
				Upper 上白垩统	Santonian	<	86.3 ±0.5
			※ 語 Cretaceous		Coniacian		
					Turonian	<	89.8 ±0.3 93.9
					Cenomanian	<	100.5
				系 Lower 下白垩统	Albian		
					Aptian		~ 113.0
					Barremian		~ 125.0 ~ 129.4
					Hauterivian		~ 129.4
				1	Valanginian		102.3

	3/4	(L)	, in o		
\$000°	Erath O	(S) (A)	Series / Epoch	Stage / Age	numerical 20 age (Ma)
		sic	Upper	Tithonian	~ 145.0
				Kimmeridgian	152.1 ±0.9
			上侏罗统	Oxfordian	157.3 ±1.0
				Callovian	163.5 ±1.0 166.1 ±1.2
			Middle	Bathonian	168.3 ±1.3
		ras	中侏罗统	Bajocian Aalenian	170.3 ±1.4
	中 Mesozoic	Olunassic 朱罗系		Toarcian	174.1 ±1.0
			Lower 下侏罗统	Pliensbachian _s	182.7 ±0.7
				Sinemurian	190.8 ±1.0
	es		-	•	199.3 ±0.3
	Ž			Hettangian S	201.3 ±0.2
	中			Rhaetian	~ 208.5
	生界	※ 要 I Triassic	Upper 上三叠统	Norian	227
				Carnian	~ 227
0			Middle 中三叠统	Ladinian s	~ 242
Phanerozoic				Anisian	
20			Lower	Olenekian	247.2 251.2
ne			下三叠统	Induan Changhsingian	252.17 ±0.00
ha			Lopingian	Wuchiapingian s	254.14 ±0.0
Ф			- 乐平统 	Capitanian <	259.8 ±0.4
显			Guadalupian	Wordian	265.1 ±0.4
生空		iar	瓜德鲁普统	Dandina	200.0 ±0.5
宇		憂 Permian			272.3 ±0.5
				Kungurian	283.5 ±0.6
			Cisuralian	Artinskian	290.1 ±0.26
	Sic	系	乌拉尔统	Sakmarian	295.0 ±0.18
	Paleozoic	731		Asselian s	298.9 ±0.15
			Upper H	Gzhelian	303.7 ±0.1
	P		廖法	Kasimovian	307.0 ±0.1
	古	ns	Middle	Moscovian	315.2 ±0.2
	生界	是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是 是	Lower下	Bashkirian _{<}	
			⊑ Upper_	Serpukhovian	330.9 ±0.2
			iddis Middle 中	Visean	3
			SS型 M系 Lower	Tournaisian	340.7 ±0.4
		系			358.9 ±0.4

	3/4	(CO) (CO)	Series / Epoch	地质: 宇界系统 生物: 宙代纪世				
\$00°	Erant	To To To	Series / Epoch	Stage / Age	GSSP	numerical age (Ma) 358.9 ± 0.4		
		Devonian	Upper	Famennian	<	372.2 ±1.6		
			上泥盆统	Frasnian	4	382.7 ±1.6		
			Middle 中泥盆统	Givetian	<			
				Eifelian	<	387.7 ±0.8		
		泥	Lower 下泥盆统	Emsian	X	393.3 ±1.2		
		盆系		Pragian	<	407.6 ±2.6 410.8 ±2.8		
				Lochkovian	7	110.0 12.0		
			Pridoli		1	419.2 ±3.2		
			普里道利统	Ludfordian	3	423.0 ±2.3		
		_	Ludlow	Gorstian	<	425.6 ±0.9		
		Ţ.	罗德洛统 Wenlock	Homerian	<	427.4 ±0.5 430.5 ±0.7		
		评Silurian	温洛克统	Sheinwoodian	1	430.5 ±0.7 433.4 ±0.8		
			Llandovery	Telychian	<			
				Aeronian	3	438.5 ±1.1		
<u>S</u> .	()	留	兰多维列统	Rhuddanian	<	440.8 ±1.2		
ZO	oi Oi	系	Upper 上奥陶统	Hirnantian	<	443.4 ±1.5 445.2 ±1.4		
Phanerozoic	Paleozoic			Katian	4	453.0 ±0.7		
ha	Pa	cian	1 上奥陶统	Sandbian	<	458.4 ±0.9		
显	古生	lovic	Middle	Darriwilian	4	467.3 ±1.1		
生宇	土界	Orc	中奥陶统	Dapingian	1	470.0 ±1.4		
宇	10	奥	Lower	Floian	4	477.7 ±1.4	Ur	
		陶 系	下奥陶统	Tremadocian	4	485.4 ±1.9	Bo bo	
			73.		Stage 10		~ 489.5	de de
			Furongian	Jiangshanian	<		htt	
		u	芙蓉统	Paibian	3	~ 494 ~ 497	Ņι	
			Series 3	Guzhangian	<		the	
				Drumian	~	~ 500.5	nu	
		ıria	第三统	Stage 5		~ 504.5	Nu Pe	
		Cambrian	Series 2 第二统	Stage 4		~ 509	'A tho	
				Stage 3		~ 514	WE	
		寒武		Stage 2		~ 521	Co Ge	
		系	不 Terreneuvian 纽芬兰统	Fortunian		~ 529	Ch (c) To	
					1	541.0 ±1.0	Th	

国际地层年代表

国际地层委员会

Erathem / Era System / Period © © age (Ma) ~ 541.0 ±1.0 Ediacaran < ~ 635 Neo-Cryogenian proterozoic 850 新元古界 Tonian 1000 Stenian 1200 Meso-Ectasian proterozoic **Proterozoic** 1400 中元古界 Calymmian 1600 Statherian 1800 Precambrian Orosirian Paleo-元 2050 proterozoic Rhyacian 古宇 古元古界 2300 Siderian 2500 Neoarchean 新太古界 2800 Mesoarchean 中太古界 3200 Paleoarchean 3600 Eo-4000 Hadean 冥古宇

Inits of all ranks are in the process of being defined by Global Soundary Stratotype Section and Points (GŠSP) for their lower oundaries, including those of the Archean and Proterozoic, long defined by Global Standard Stratigraphic Ages (GSSA). Charts and letailed information on ratified GSSPs are available at the website ttp://www.stratigraphy.org. The URL to this chart is found below.

lumerical ages are subject to revision and do not define units in ne Phanerozoic and the Édiacaran; only GSSPs do. For boundaries the Phanerozoic without ratified GSSPs or without constrained umerical ages, an approximate numerical age (~) is provided.

lumerical ages for all systems except Lower Pleistocene, Permian, Triassic, Cretaceous and Precambrian are taken from Geologic Time Scale 2012' by Gradstein et al. (2012); nose for the Lower Pleistocene. Permian, Triassic and Cretaceous vere provided by the relevant ICS subcommissions.

Coloring follows the Commission for the Geological Map of the World (http://www.ccgm.org)

hart drafted by K.M. Cohen, S.C. Finney, P.L. Gibbard c) International Commission on Stratigraphy, February 2014

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CCGM CGMW

URL: http://www.stratigraphy.org/ICSchart/ChronostratChart2014-02.pdf