




Phanerozoic							Eonothem Eon
Paleo zoic				Meso zoic			Erathem Era
Carboniferous		Penn- sylvanian		Upper		Jurassic	145.5 ±4.0
		Missis- sippian		Lower			
Permian		Lopingian		Triassic	150.8 ±4.0		
		Guadalupian			~ 155.6		
Cisuralian		Middle	161.2 ±4.0				
Carboniferous		Upper		Jurassic	164.7 ±4.0		
		Lower			167.7 ±3.5		
Permian		Lopingian		Triassic	171.6 ±3.0		
		Guadalupian			175.6 ±2.0		
Cisuralian		Middle	183.0 ±1.5				
Carboniferous		Upper		Triassic	189.6 ±1.5		
		Lower			196.5 ±1.0		
Permian		Lopingian		Triassic	199.6 ±0.6		
		Guadalupian			203.6 ±1.5		
Cisuralian		Middle	216.5 ±2.0				
Carboniferous		Upper		Triassic	~ 228.7		
		Lower			237.0 ±2.0		
Permian		Lopingian		Triassic	~ 245.9		
		Guadalupian			~ 249.5		
Cisuralian		Middle	251.0 ±0.4				
Carboniferous		Upper		Triassic	253.8 ±0.7		
		Lower			260.4 ±0.7		
Permian		Lopingian		Triassic	265.8 ±0.7		
		Guadalupian			268.0 ±0.7		
Cisuralian		Middle	270.6 ±0.7				
Carboniferous		Upper		Triassic	275.6 ±0.7		
		Lower			284.4 ±0.7		
Permian		Lopingian		Triassic	294.6 ±0.8		
		Guadalupian			299.0 ±0.8		
Cisuralian		Middle	303.4 ±0.9				
Carboniferous		Upper		Triassic	307.2 ±1.0		
		Lower			311.7 ±1.1		
Permian		Lopingian		Triassic	318.1 ±1.3		
		Guadalupian			328.3 ±1.6		
Cisuralian		Middle	345.3 ±2.1				
Carboniferous		Upper		Triassic	359.2 ±2.5		
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			
		Lower					
Permian		Lopingian		Triassic			
		Guadalupian					
Cisuralian		Middle					
Carboniferous		Upper		Triassic			

	Eonothem Eon	Erathem Era	System Period	Age Ma	GSSP GSSA
Precambrian	Proterozoic	Neo-proterozoic	Ediacaran	542	
			Cryogenian	~635	
			Tonian	850	
		Meso-proterozoic	Stenian	1000	
			Ectasian	1200	
			Calymmian	1400	
		Paleo-proterozoic		1600	
			Statherian	1800	
			Orosirian	2050	
	Rhyacian		2300		
	Archean		2500		
		Neoarchean		2800	
		Mesoarchean		3200	
		Paleoarchean		3600	
		Eoarchean		4000	
Hadean (informal)				~4600	

The listed numerical ages are from 'A Geologic Time Scale 2004', by F.M. Gradstein, J.G. Ogg, A.G. Smith, et al. (2004; Cambridge University Press) and "The Concise Geologic Time Scale" by J.G. Ogg, G. Ogg and F.M. Gradstein (2008).

Copyright © 2009 International Commission on Stratigraphy