



















	How Long is a Month?
Synodic Month	
New Moon to New Moon	29.53 days
Draconic Month	
Node to Node	27.21 days
Anomalistic Month	
Perigee to Perigee	27.55 days
Eclipse of the Sun / Month	11

	Periods Between Eclipses
223 Synodic months	= 6585.32 days
242 Draconic months	= 6585.36 days
239 Anomalistic months	= 6585.54 days
Over this time period, the the Moon's orbital periods	•
Two eclipses separated by similar geometries and so	•
Eclipse of the Sun / Periods Between Eclipses	12

				Saros 13
Date		ØM/ØS	Length	Seen from
1988	Mar 18	1.046	3 <sup>m</sup> 46 <sup>s</sup>	Asia
2006	Mar 29	1.052	4 <sup>m</sup> 07 <sup>s</sup>	Africa
2024	Apr 08	1.057	4 <sup>m</sup> 28 <sup>s</sup>	Americas
2042	Apr 20	1.061	4 <sup>m</sup> 51 <sup>s</sup>	Asia
2060	Apr 30	1.066	5 <sup>m</sup> 15 <sup>s</sup>	Africa
2078	May 11	1.070	5 <sup>m</sup> 40 <sup>s</sup>	Americas
2096	May 22	1.074	6 <sup>m</sup> 06 <sup>s</sup>	Asia
e of the Sun /	Periods Between Ed	clipses		

			<b>Eclipses Coming So</b>
Date	Total?	Length	Seen from
2006 Mar 29	Total	4 <sup>m</sup> 07 <sup>s</sup>	Africa, Turkey
2015 Mar 20	Total	2 <sup>m</sup> 47 <sup>s</sup>	N Atlantic, Faeroes
2016 Mar 09	Total	4 <sup>m</sup> 09 <sup>s</sup>	Australia
2016 Sep 01	Annular	3 <sup>m</sup> 06 <sup>s</sup>	Africa
2017 Feb 26	Annular	0 <sup>m</sup> 44 <sup>s</sup>	S America, Africa
2017 Aug 21	Total	2 <sup>m</sup> 40 <sup>s</sup>	N America
2019 July 02	Total	4 <sup>m</sup> 33 <sup>s</sup>	S Pacific, S America
of the Sun / Periods Betwee	en Eclipses		



































