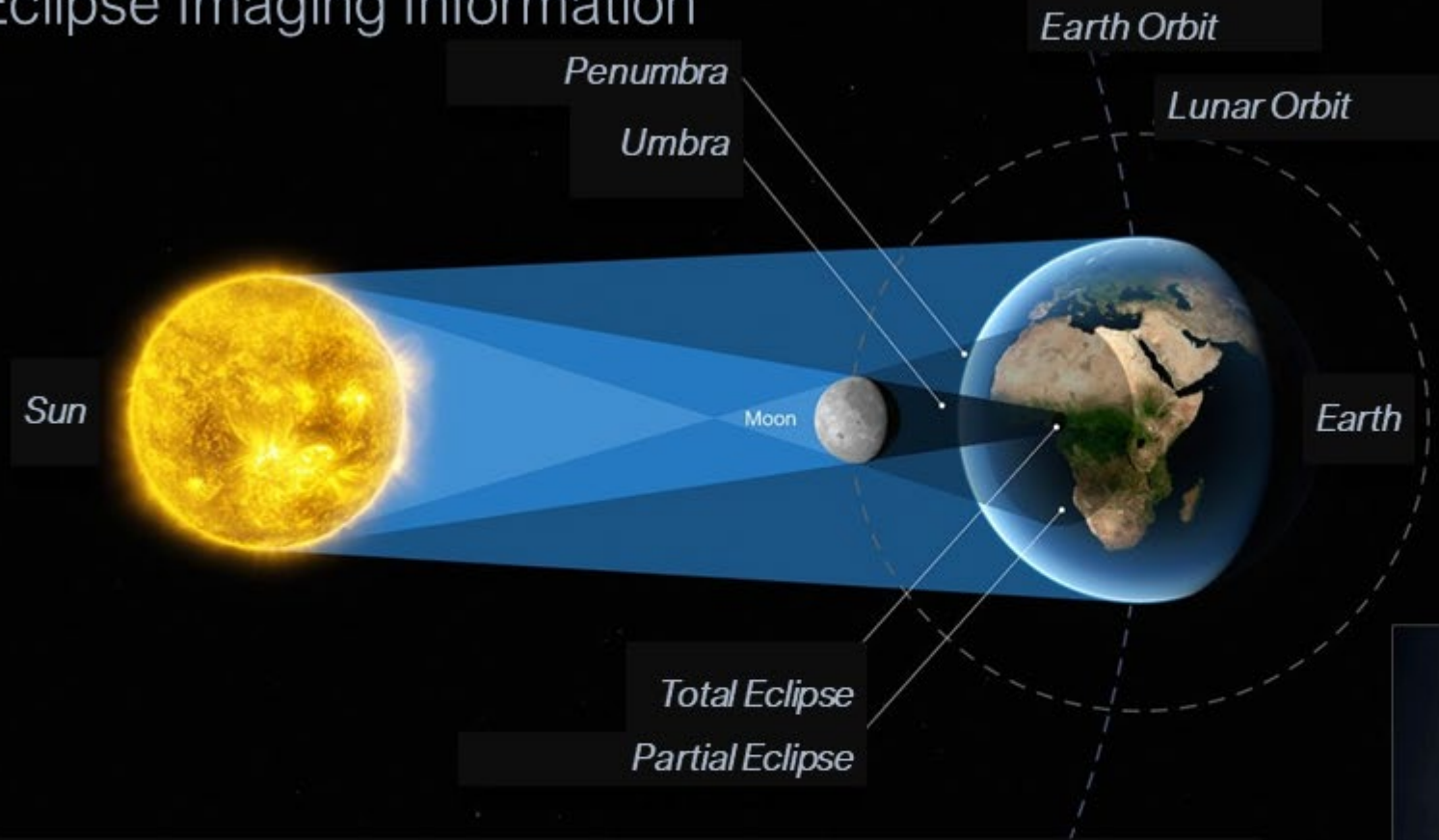


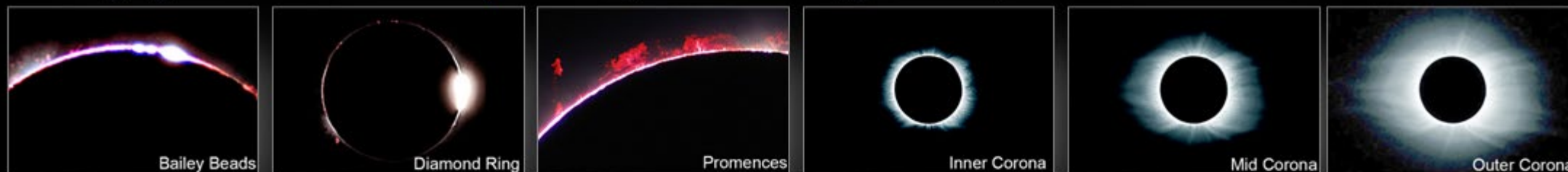
Eclipse Imaging Information



The Moon is 400 times less in diameter than the Sun, but is 400 times closer (give or take) to the Earth than the Sun. The result is, by pure celestial luck, the Moon's apparent diameter is the same as the Sun's, causing a perfect Eclipse when the two bodies are in alignment.



Imaging the Total Solar Eclipse Image Scale & Suggested Exposure



Total Solar Eclipse Exposure Guide

1.) Select the focal ratio of your lens (LEFT). 2.) Select your best ISO by following the ISO settings downward to the Eclipse Features.

f/ratio	ISO												
2.8	3200	1600	800	400	200	100							
4.0	6400	3200	1600	800	400	200	100						
5.6	12800	6400	3200	1600	800	400	200	100					
8.0	25600	12800	6400	3200	1600	800	400	200	100				
11.0		25600	12800	6400	3200	1600	800	400	200	100			
16.0			25600	12800	6400	3200	1600	800	400	200	100		
22.0				25600	12800	6400	3200	1600	800	400	200	100	
Eclipse Features	Exposure												
Partial with 5.0 ND Filt					1/ 8000	1/ 4000	1/ 2000	1/ 1000	1/ 500	1/ 250	1/ 125	1/ 60	
Bailey Beads or Diamond Ring							1/ 8000	1/ 4000	1/ 2000	1/ 1000	1/ 500	1/ 250	
Chromosphere					1/ 3200	1/ 1600	1/ 800	1/ 400	1/ 200	1/ 100	1/ 50	1/ 25	
Promences						1/ 8000	1/ 4000	1/ 2000	1/ 1000	1/ 500	1/ 250	1/ 125	
Corona Inner 0.10 sr				1/ 8000	1/ 4000	1/ 2000	1/ 1000	1/ 500	1/ 250	1/ 125	1/ 60	1/ 30	
Corona Inner 0.25 sr	1/ 4000	1/ 2000	1/ 1000	1/ 500	1/ 250	1/ 125	1/ 60	1/ 30	1/ 15	1/ 30	1/ 15	1/ 8	
Corona Mid 0.50 sr	1/ 1000	1/ 500	1/ 250	1/ 125	1/ 60	1/ 30	1/ 15	1/ 8	1/ 4	1/ 2	1	2	
Corona Mid 1.00 sr	1/ 250	1/ 125	1/ 60	1/ 30	1/ 15	1/ 8	1/ 4	1/ 2	1	2	4	8	
Corona Outer 2.00 sr	1/ 125	1/ 60	1/ 30	1/ 15	1/ 8	1/ 4	1/ 2	1	2	4	8	15	
Corona Outer 4.00 sr	1/ 60	1/ 30	1/ 15	1/ 8	1/ 4	1/ 2	1	2	4	8	15	30	
Corona Outer 6.00 sr	1/ 30	1/ 15	1/ 8	1/ 4	1/ 2	1	2	4	8	15	30		

Imaging the Total Solar Eclipse Sony Lenses-Focal Length suggestions



70-300mm f/5.6



70-350mm f/6.3



70-200mm f/4



70-200mm f/2.8



100-400 f/5.6



200-600 f/6.3

SONY TELEPHOTO Camera Lenses

Focal Length Range		F/Ratio	Model	Format	Field of view	Wt (g)	Wt (lbs)	MLSR
70	200 mm	F/ 4.0	G S	Full	8.00	840	1.9	\$1,500
70	200 mm	F/ 2.8	G-I	Full	8.00	1480	3.3	\$2,000
70	200 mm	F/ 2.8	GM-II	Full	8.00	1045	2.3	\$2,800
70	300 mm	F/ 5.6	GM	Full	5.33	854	1.9	\$1,300
70	350 mm	F/ 6.3	G	ASP-C	4.67	625	1.4	\$1,000
100	400 mm	F/ 5.6	GM	Full	4.17	1395	3.1	\$2,500
200	600 mm	F/ 6.3	G	Full	2.67	2115	4.7	\$2,000



200 mm



300 mm



400 mm



600 mm



800 mm

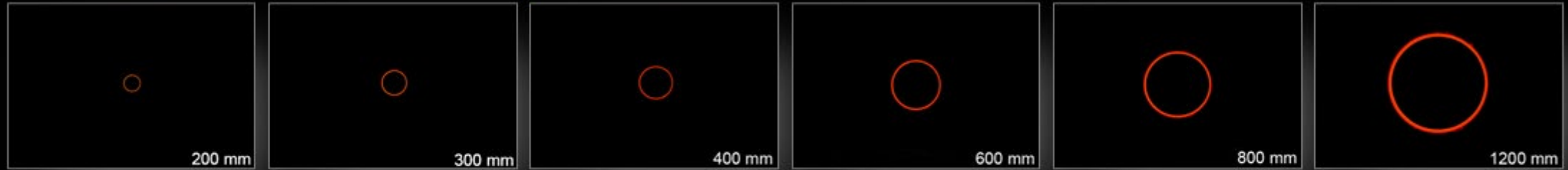


1200 mm

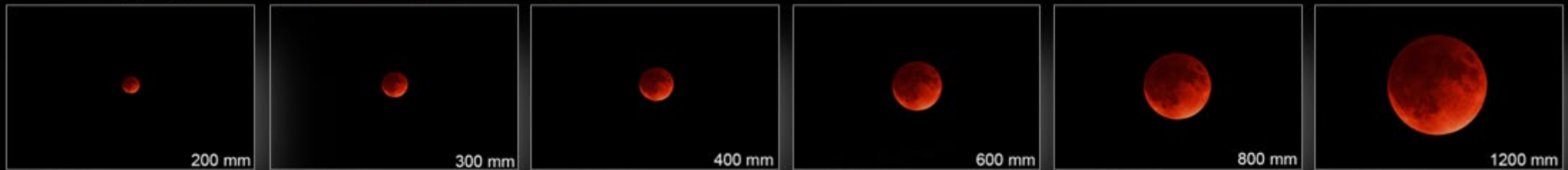
Imaging Scale

FULL FRAME CAMERAS

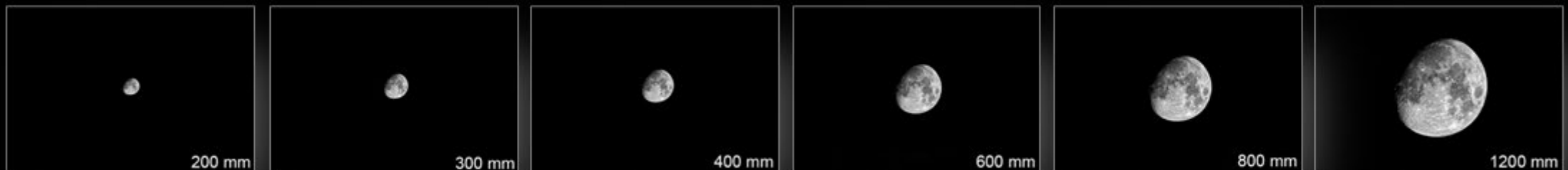
Imaging the Annular Solar Eclipse Image Scale



Imaging the Lunar Eclipse Image Scale



Imaging the Moon Image Scale



FULL FRAME CAMERAS