Total Solar Eclipse – July 22, 2009



Imaging Results

Hartmut Renken; http://renken.de

Last update: August 23, 2009

Boundary conditions

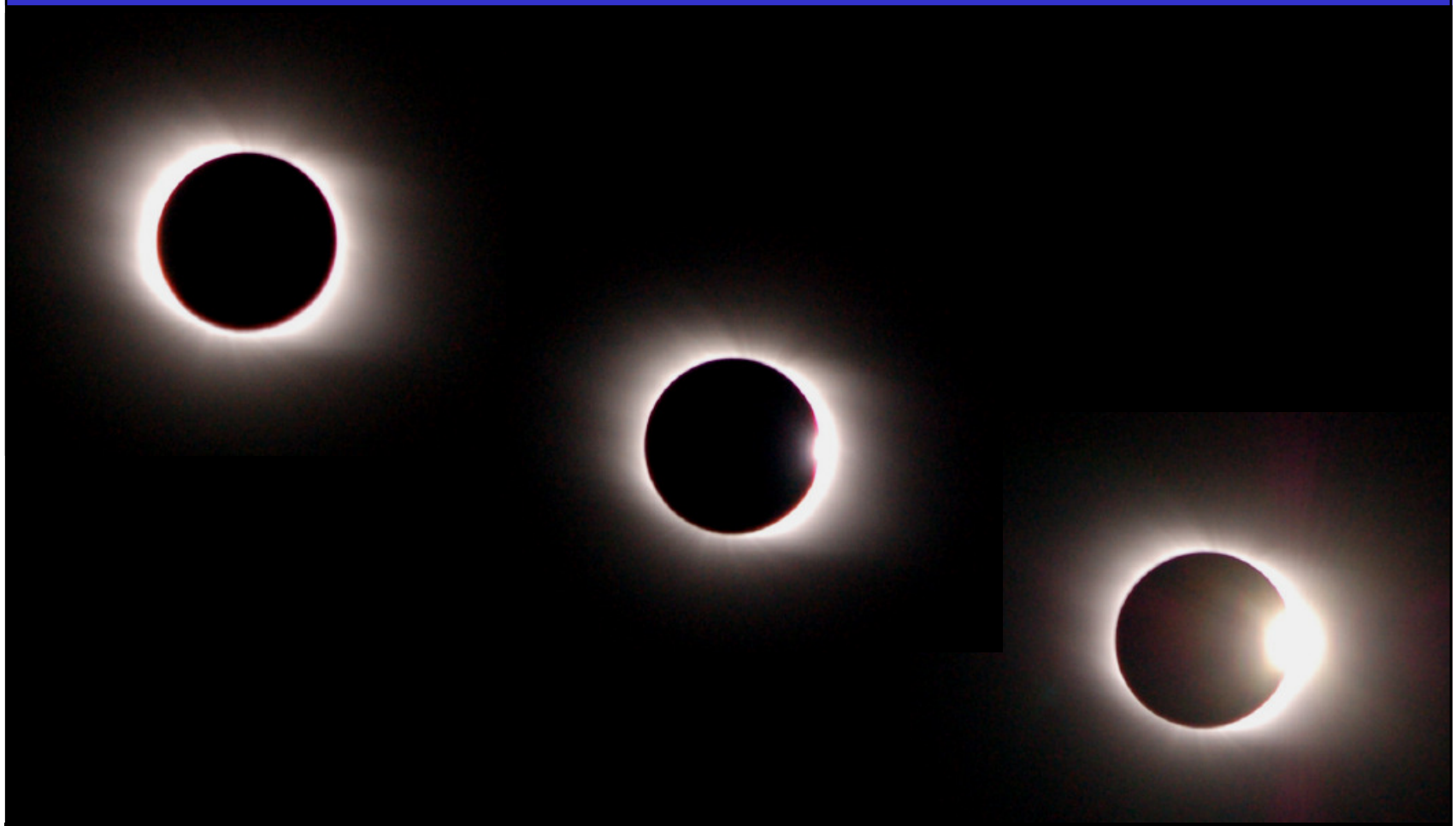
Camera:	“Old” Nikon D50 (3008 x 2000 pixel), hand held
Optic:	Sigma zoom optic (f=18 to 200 mm)
Time:	UTC+9 (Japanese time zone)
Location:	Western Pacific Ocean, close to island “Iwo Jima”
	25° 20’ 06” North; 142° 04’ 14” East
Duration:	Phase of Totality: 6 minutes 42.3 seconds
	Longest Total Solar Eclipse of the 21st Century
Carrier:	Cruise Ship “Costa Classica”
Orientation:	All images are turned with respect to a “right to left”
	Movement of the Moon in front of the Sun

From first to second Contact



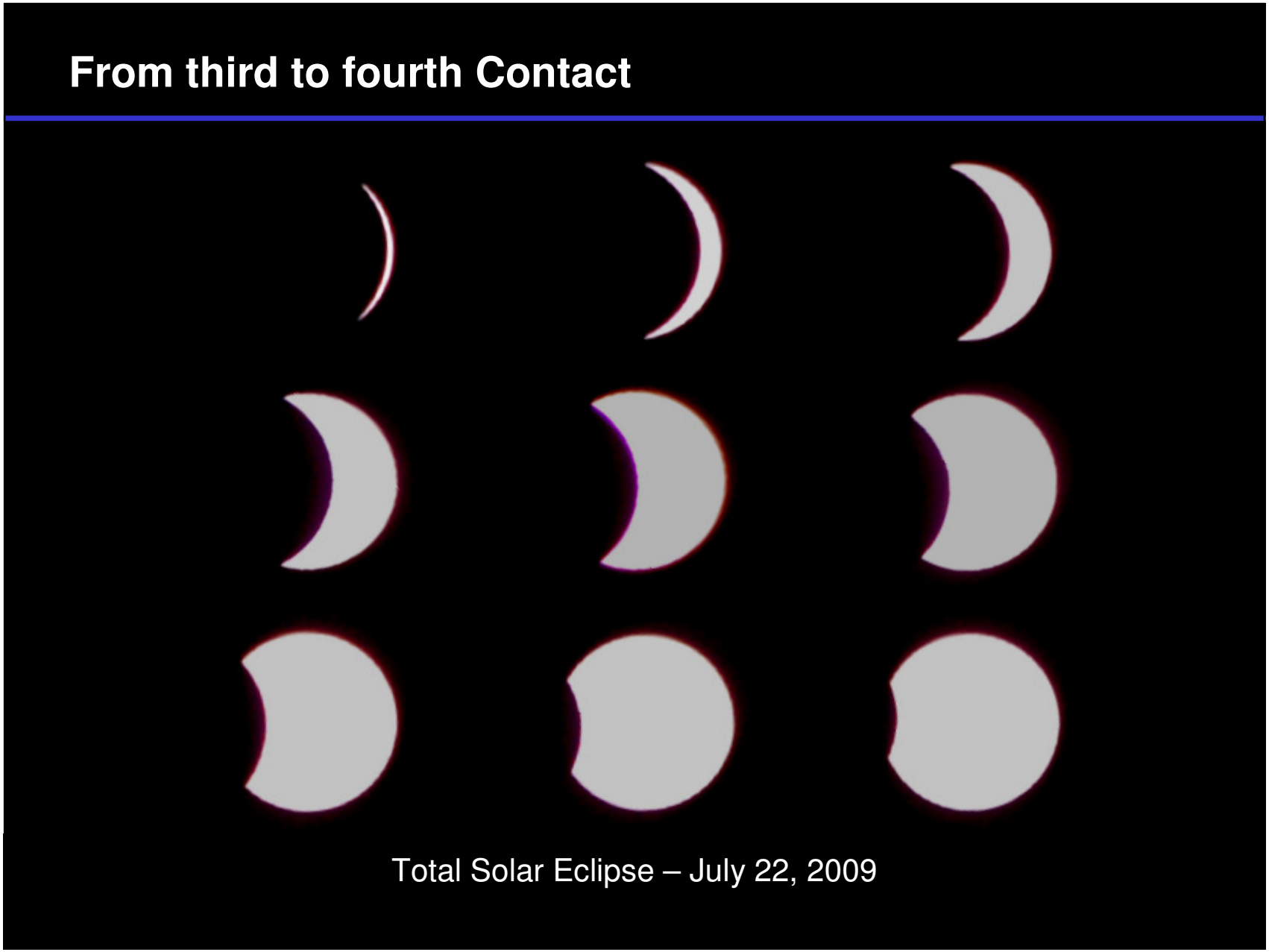
Total Solar Eclipse – July 22, 2009

Totality and third Contact

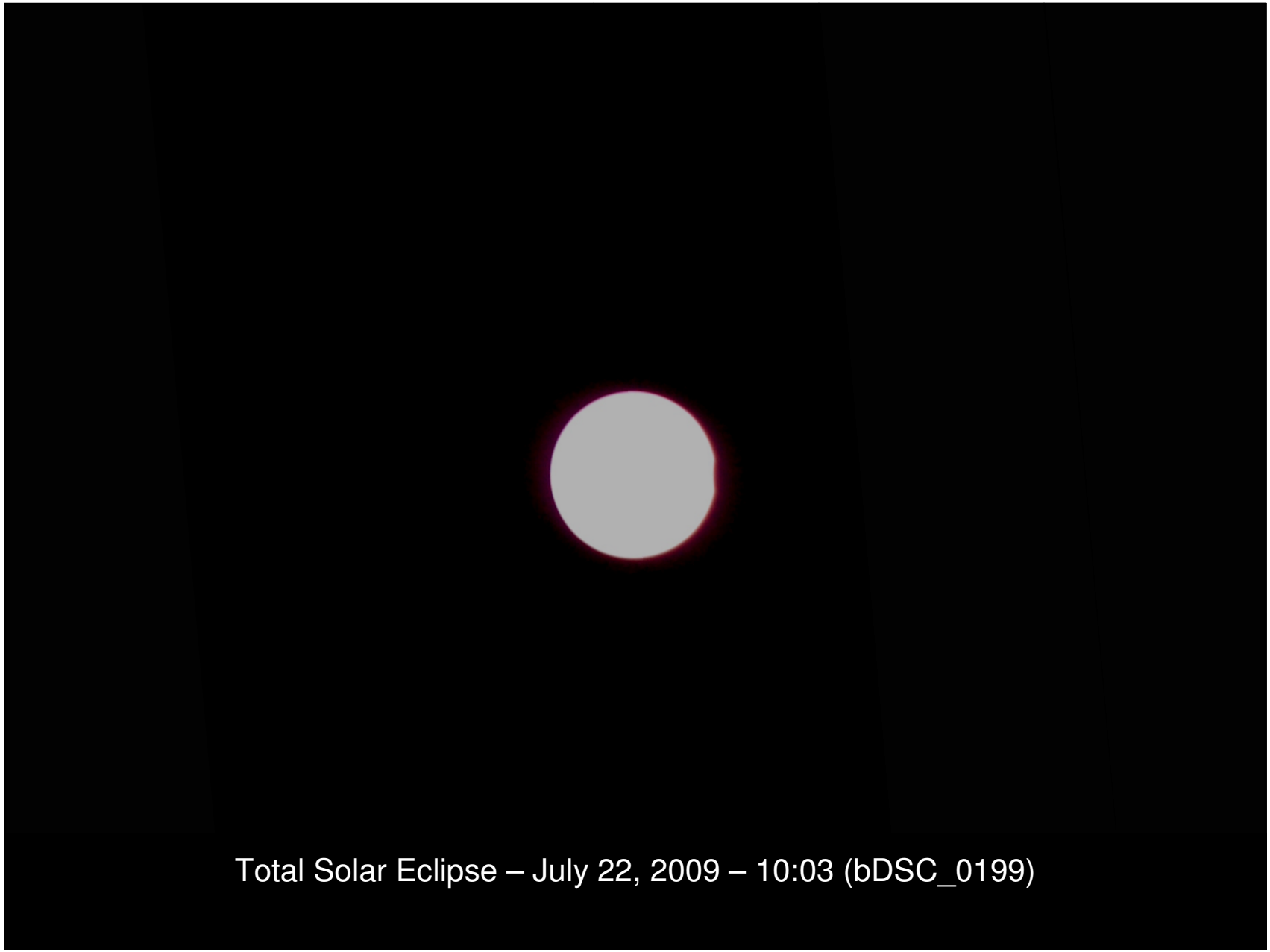


Total Solar Eclipse – July 22, 2009

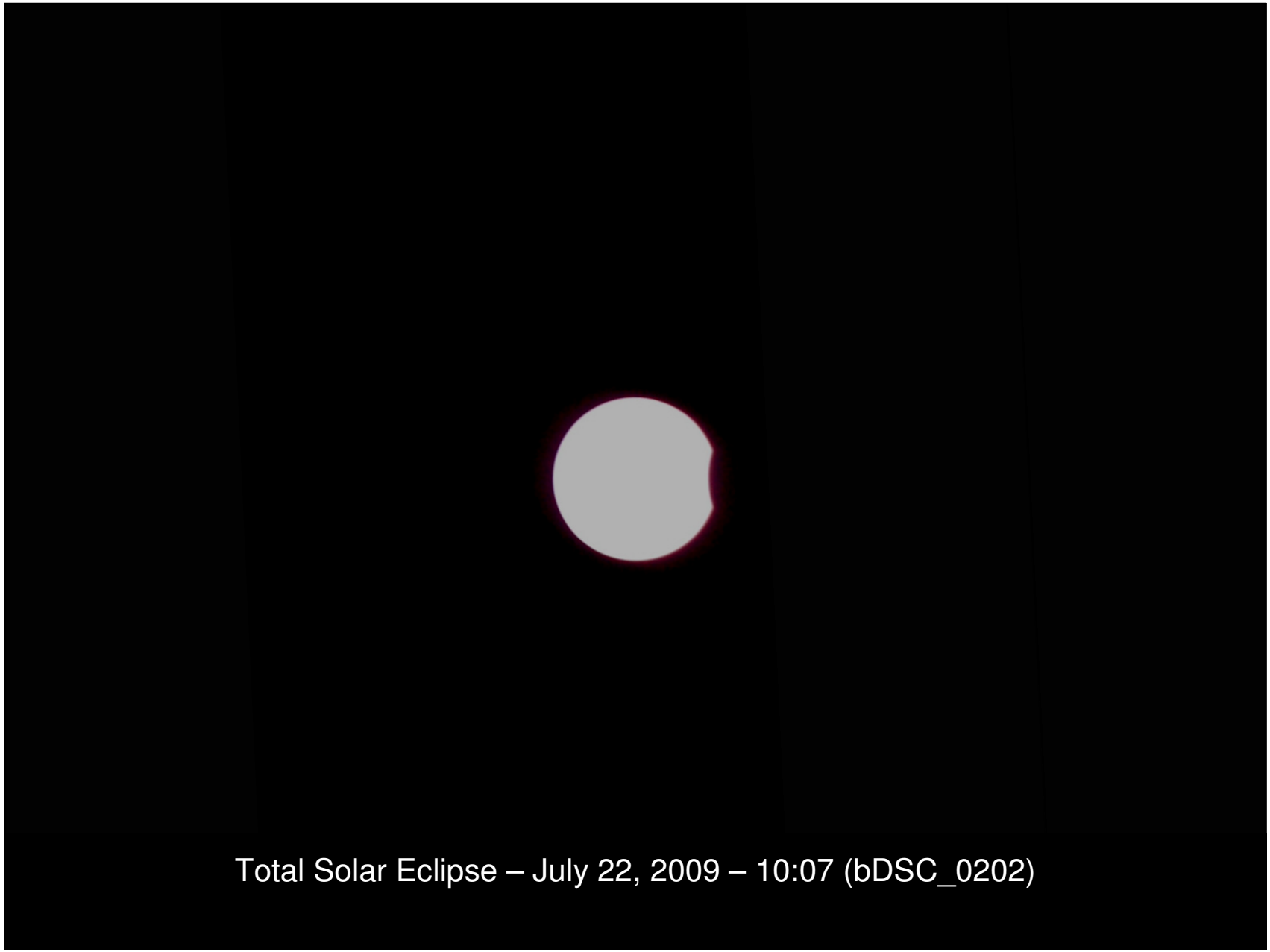
From third to fourth Contact



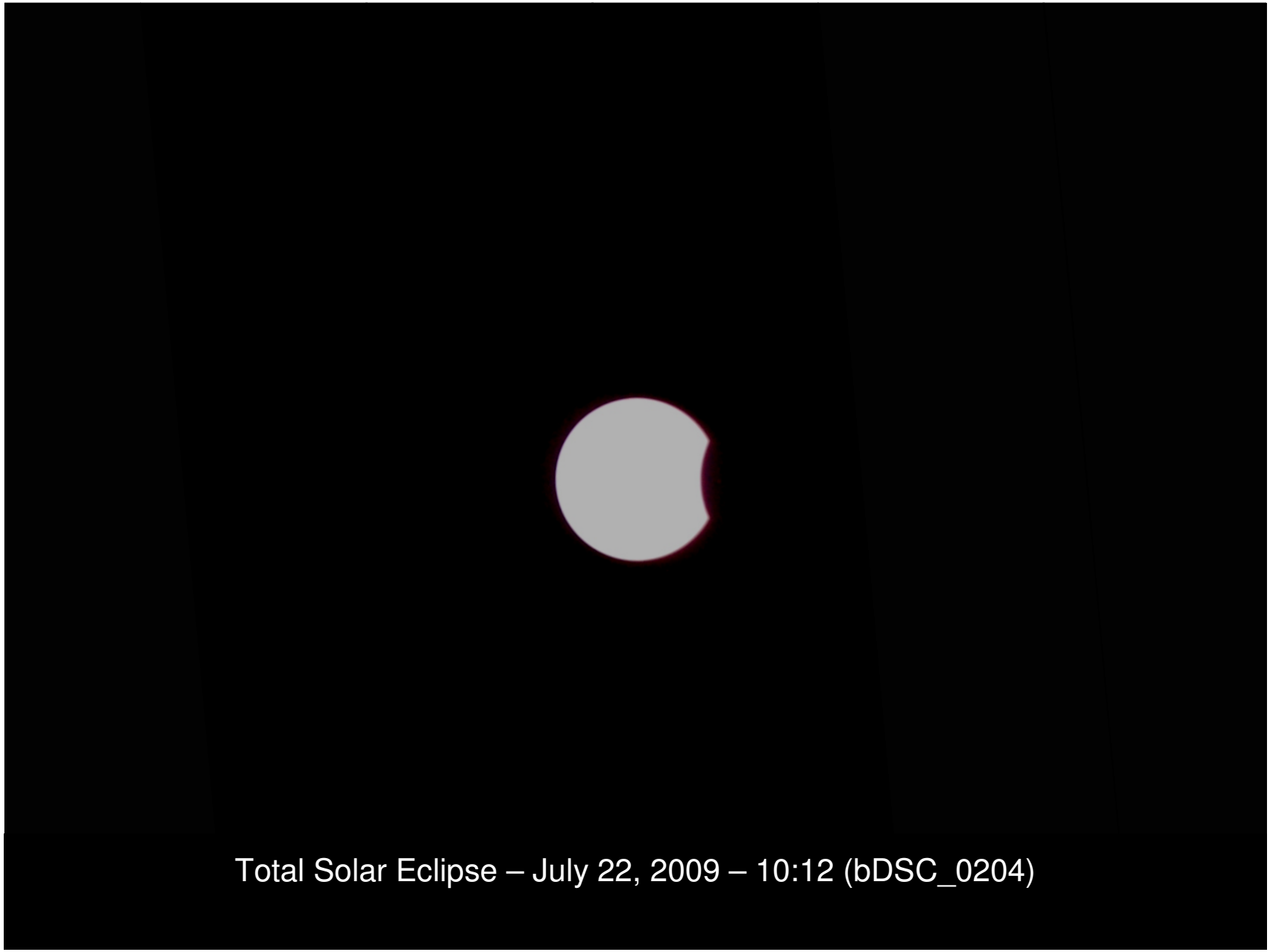
Total Solar Eclipse – July 22, 2009



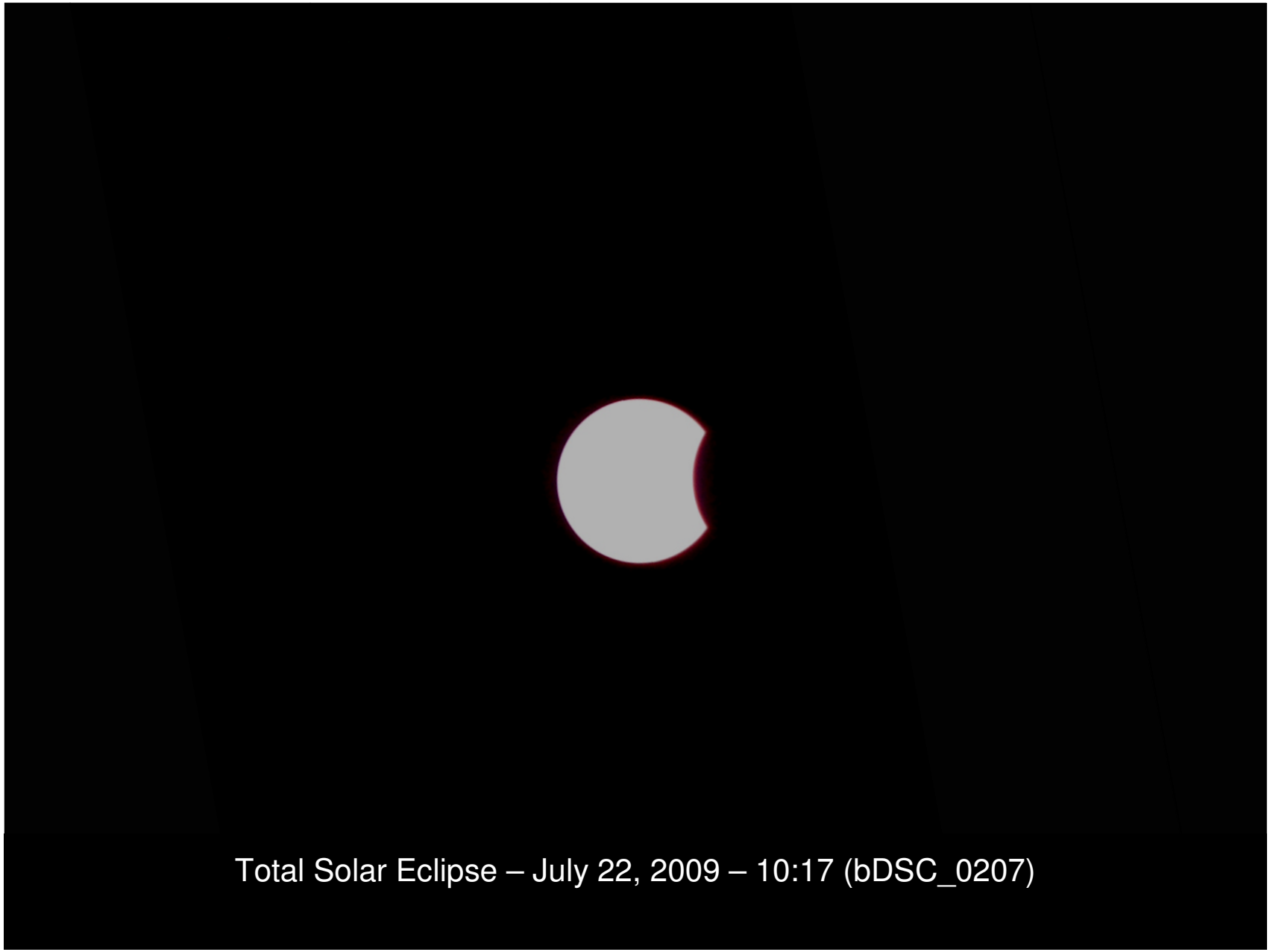
Total Solar Eclipse – July 22, 2009 – 10:03 (bDSC_0199)



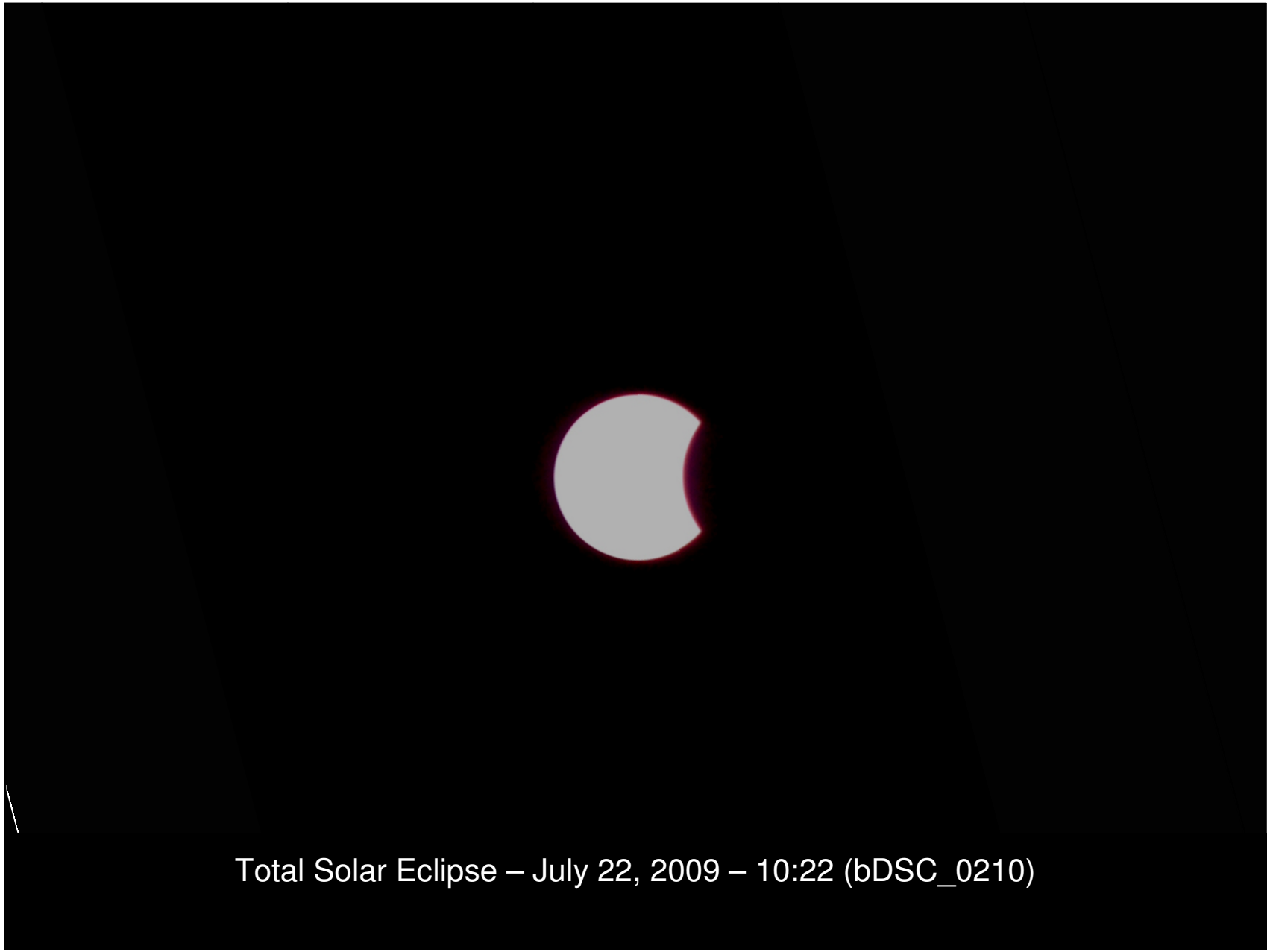
Total Solar Eclipse – July 22, 2009 – 10:07 (bDSC_0202)



Total Solar Eclipse – July 22, 2009 – 10:12 (bDSC_0204)



Total Solar Eclipse – July 22, 2009 – 10:17 (bDSC_0207)



Total Solar Eclipse – July 22, 2009 – 10:22 (bDSC_0210)



Total Solar Eclipse – July 22, 2009 – 10:27 (bDSC_0213)



Total Solar Eclipse – July 22, 2009 – 10:32 (bDSC_0217)



Total Solar Eclipse – July 22, 2009 – 10:37 (bDSC_0220)



Total Solar Eclipse – July 22, 2009 – 10:42 (bDSC_0222)



Total Solar Eclipse – July 22, 2009 – 10:47 (bDSC_0223)



Total Solar Eclipse – July 22, 2009 – 10:52 (bDSC_0225)



Total Solar Eclipse – July 22, 2009 – 10:57 (bDSC_0227)



Total Solar Eclipse – July 22, 2009 – 11:02 (bDSC_0230)



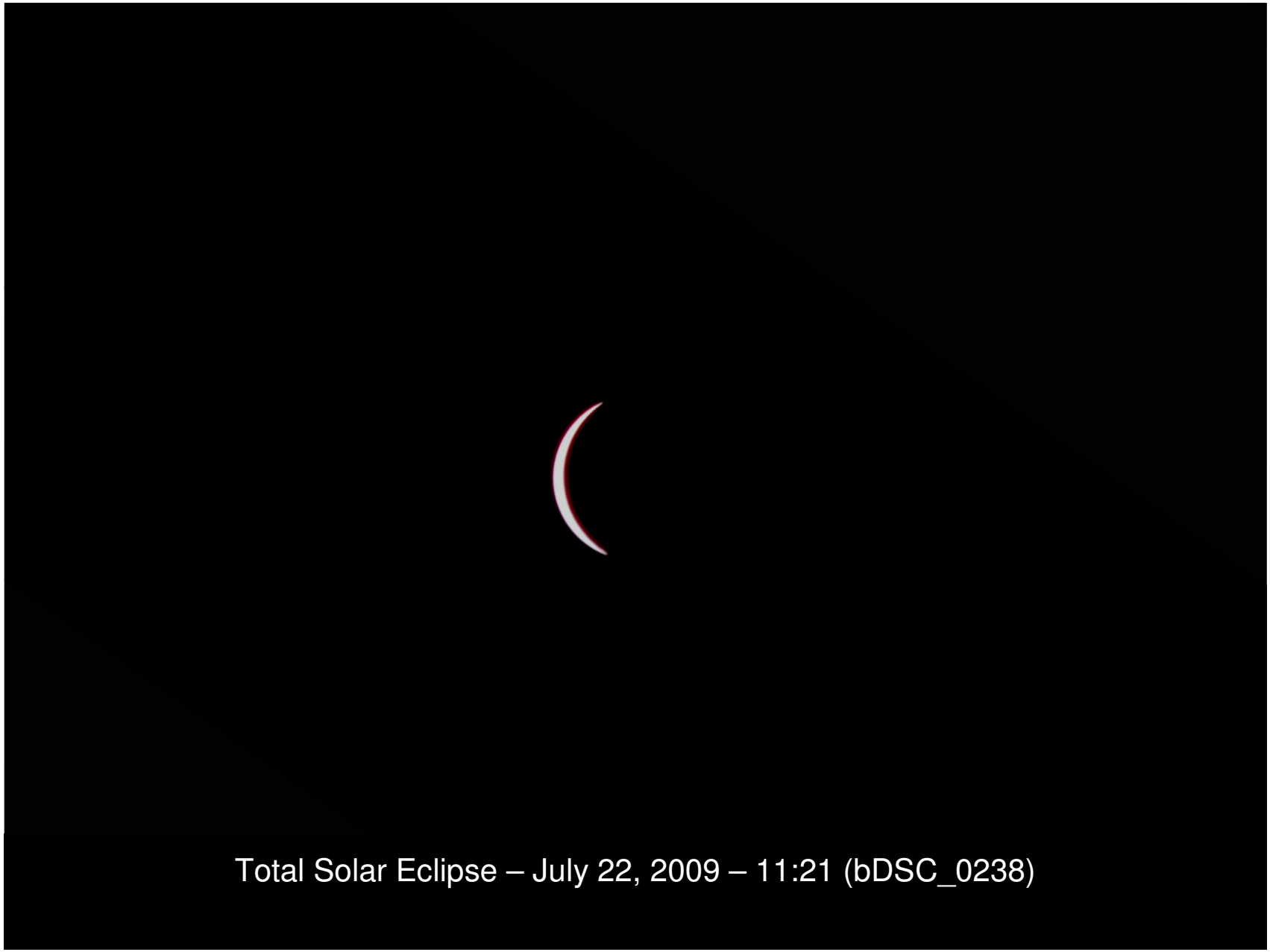
Total Solar Eclipse – July 22, 2009 – 11:08 (bDSC_0231)



Total Solar Eclipse – July 22, 2009 – 11:13 (bDSC_0233)



Total Solar Eclipse – July 22, 2009 – 11:17 (bDSC_0235)



Total Solar Eclipse – July 22, 2009 – 11:21 (bDSC_0238)



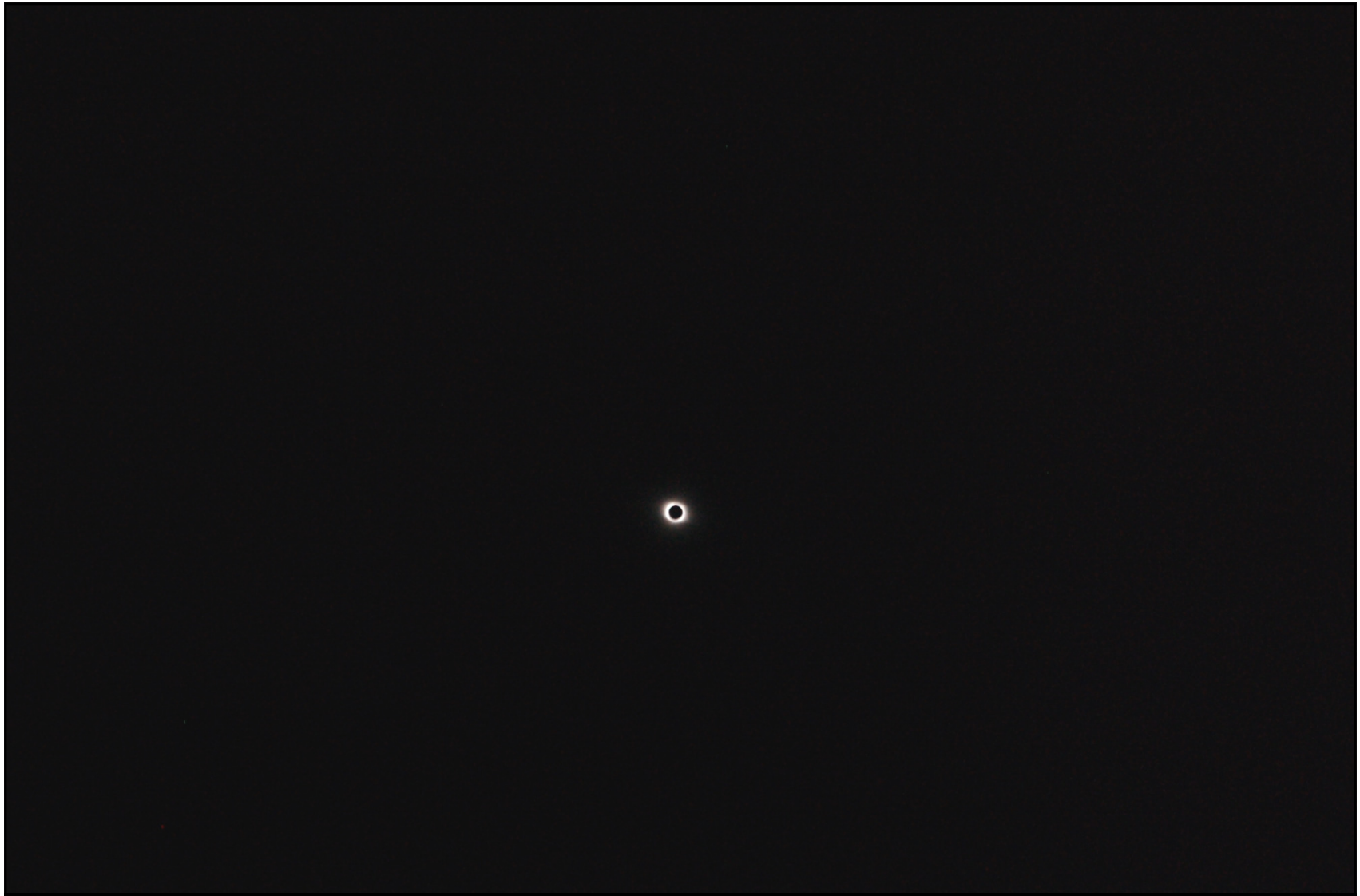
Total Solar Eclipse – July 22, 2009 – 11:23 (bDSC_0240)



Total Solar Eclipse – July 22, 2009 – 11:25 (bDSC_0242)



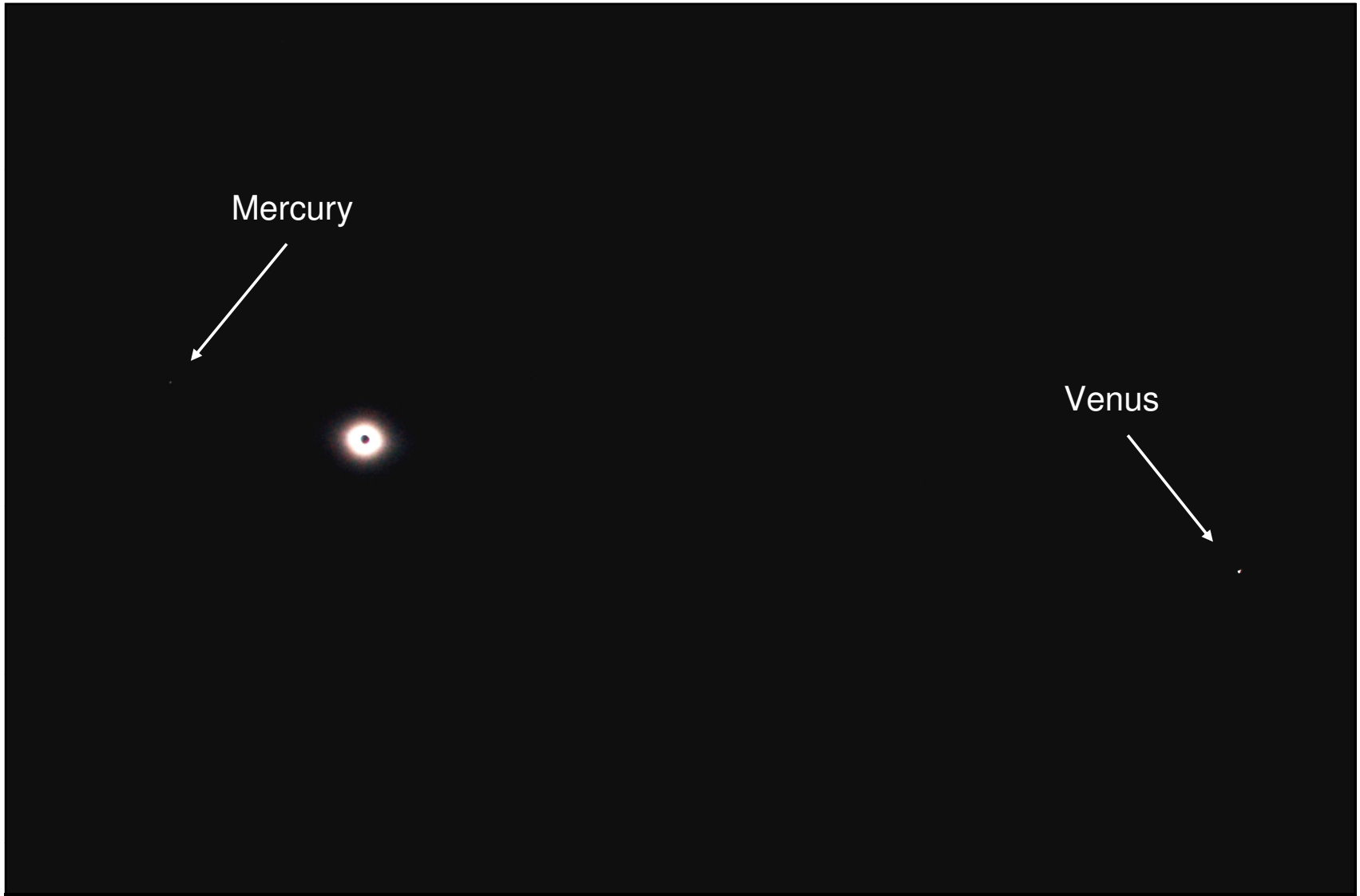
Total Solar Eclipse – July 22, 2009 – 11:27 (bDSC_0253)



Total Solar Eclipse – July 22, 2009 – 11:28 (bDSC_0264)



Total Solar Eclipse – July 22, 2009 – 11:28 (bDSC_0268a)



Total Solar Eclipse – July 22, 2009 – 11:28 (bDSC_0268a)



Total Solar Eclipse – July 22, 2009 – 11:28 (bDSC_0270)



Total Solar Eclipse – July 22, 2009 – 11:28 (bDSC_0271)



Total Solar Eclipse – July 22, 2009 – 11:29 (bDSC_0275)



Total Solar Eclipse – July 22, 2009 – 11:29 (bDSC_0281)



Total Solar Eclipse – July 22, 2009 – 11:29 (bDSC_0288)



Total Solar Eclipse – July 22, 2009 – 11:30 (bDSC_0293)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0301)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0302)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0303)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0304)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0305)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0306)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0307)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0308)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0309)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0310)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0311)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0312)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0313)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0314)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0315)



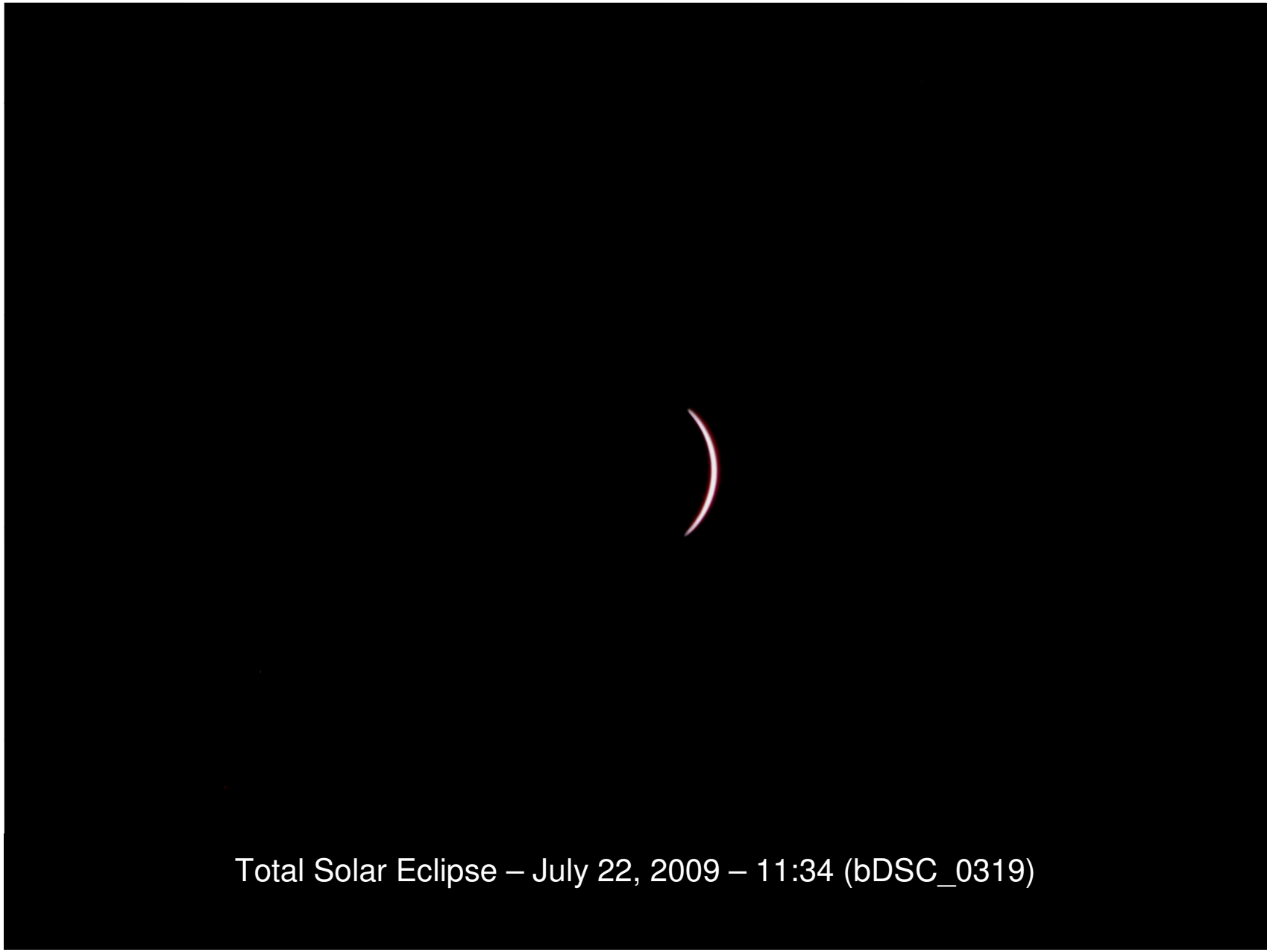
Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0316)



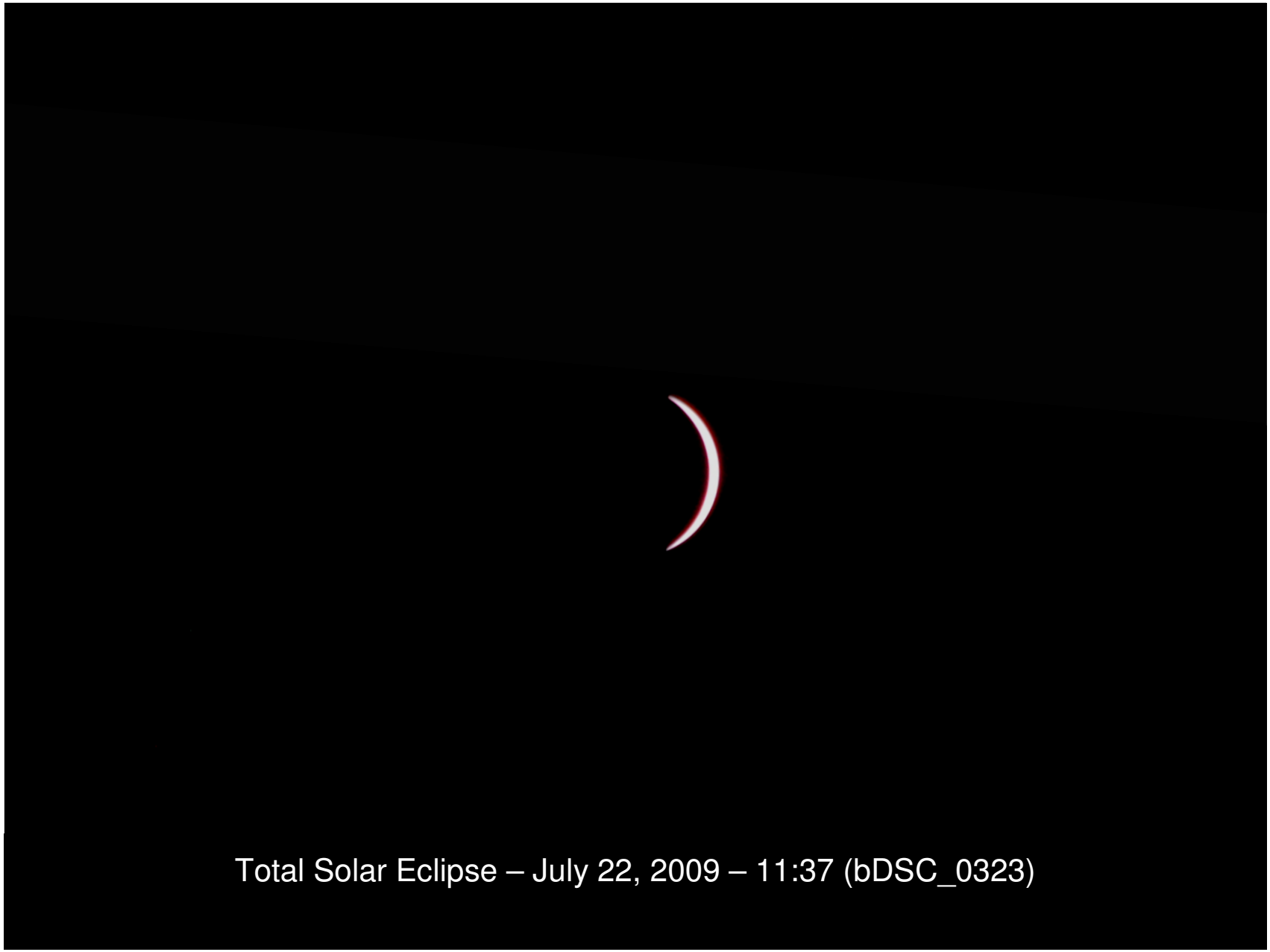
Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0317)



Total Solar Eclipse – July 22, 2009 – 11:32 (bDSC_0318)



Total Solar Eclipse – July 22, 2009 – 11:34 (bDSC_0319)



Total Solar Eclipse – July 22, 2009 – 11:37 (bDSC_0323)



Total Solar Eclipse – July 22, 2009 – 11:41 (bDSC_0326)



Total Solar Eclipse – July 22, 2009 – 11:46 (bDSC_0328)



Total Solar Eclipse – July 22, 2009 – 11:52 (bDSC_0333)



Total Solar Eclipse – July 22, 2009 – 11:57 (bDSC_0334)



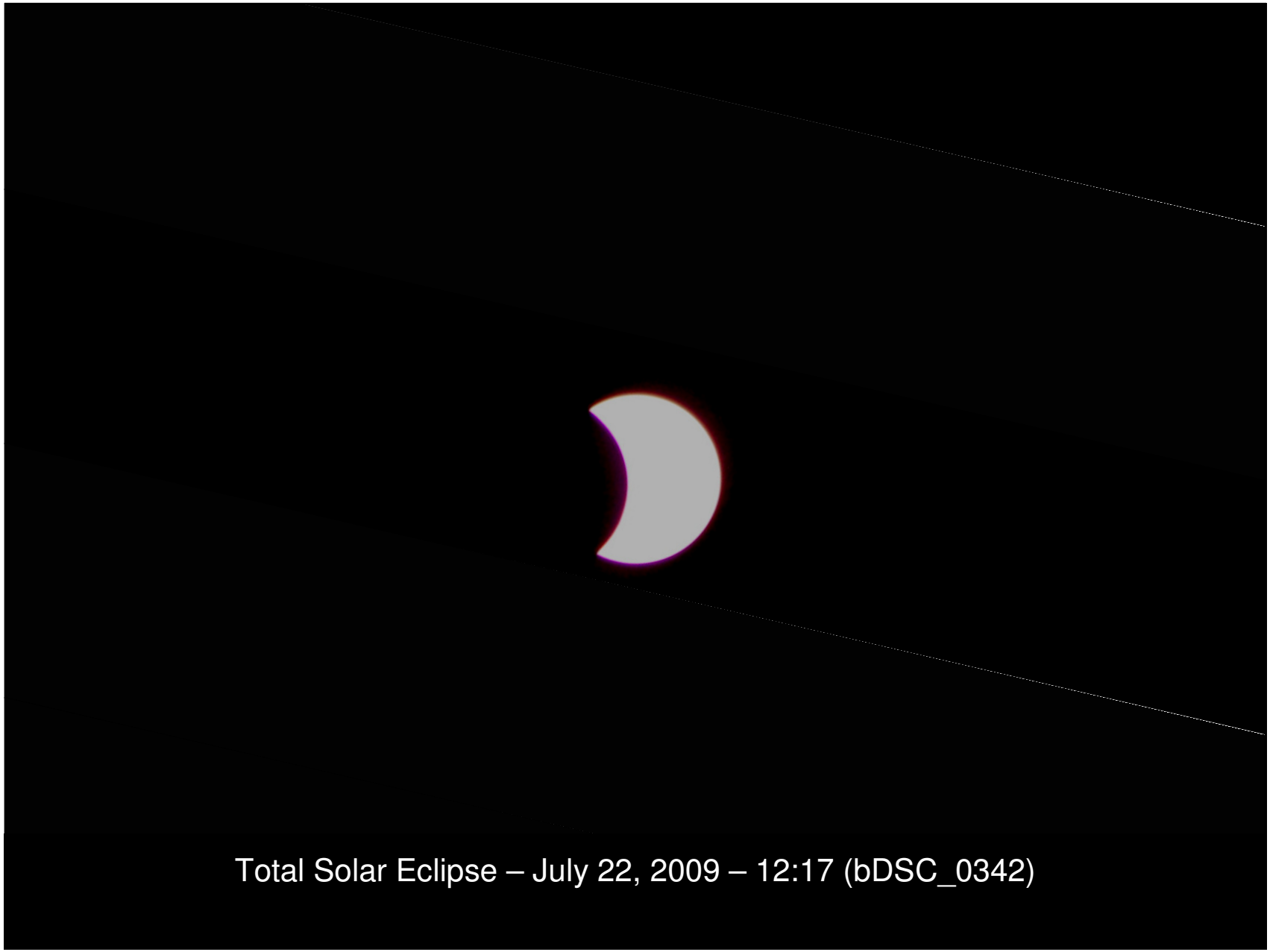
Total Solar Eclipse – July 22, 2009 – 12:02 (bDSC_0337)



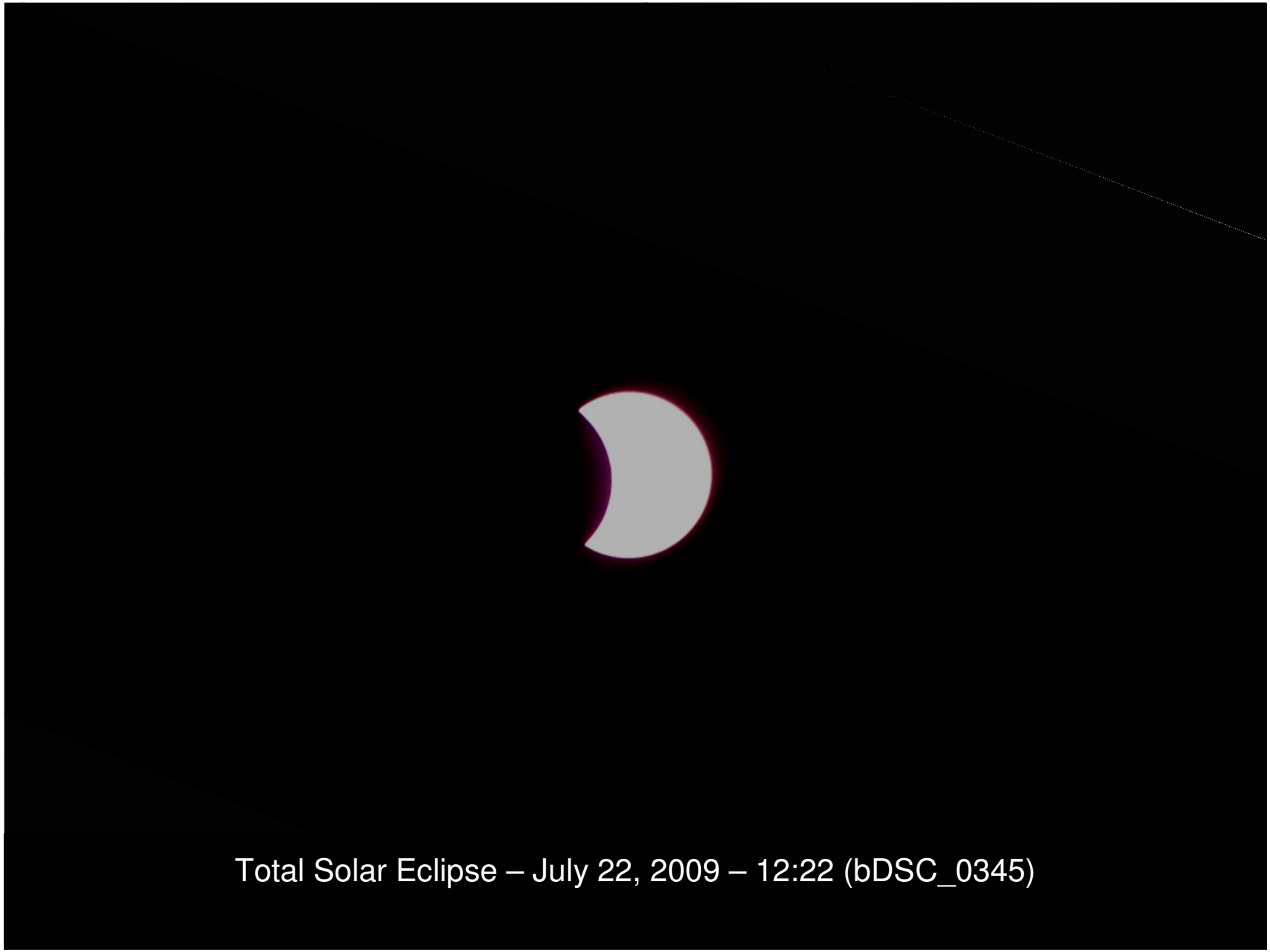
Total Solar Eclipse – July 22, 2009 – 12:07 (bDSC_0338)



Total Solar Eclipse – July 22, 2009 – 12:12 (bDSC_0340)



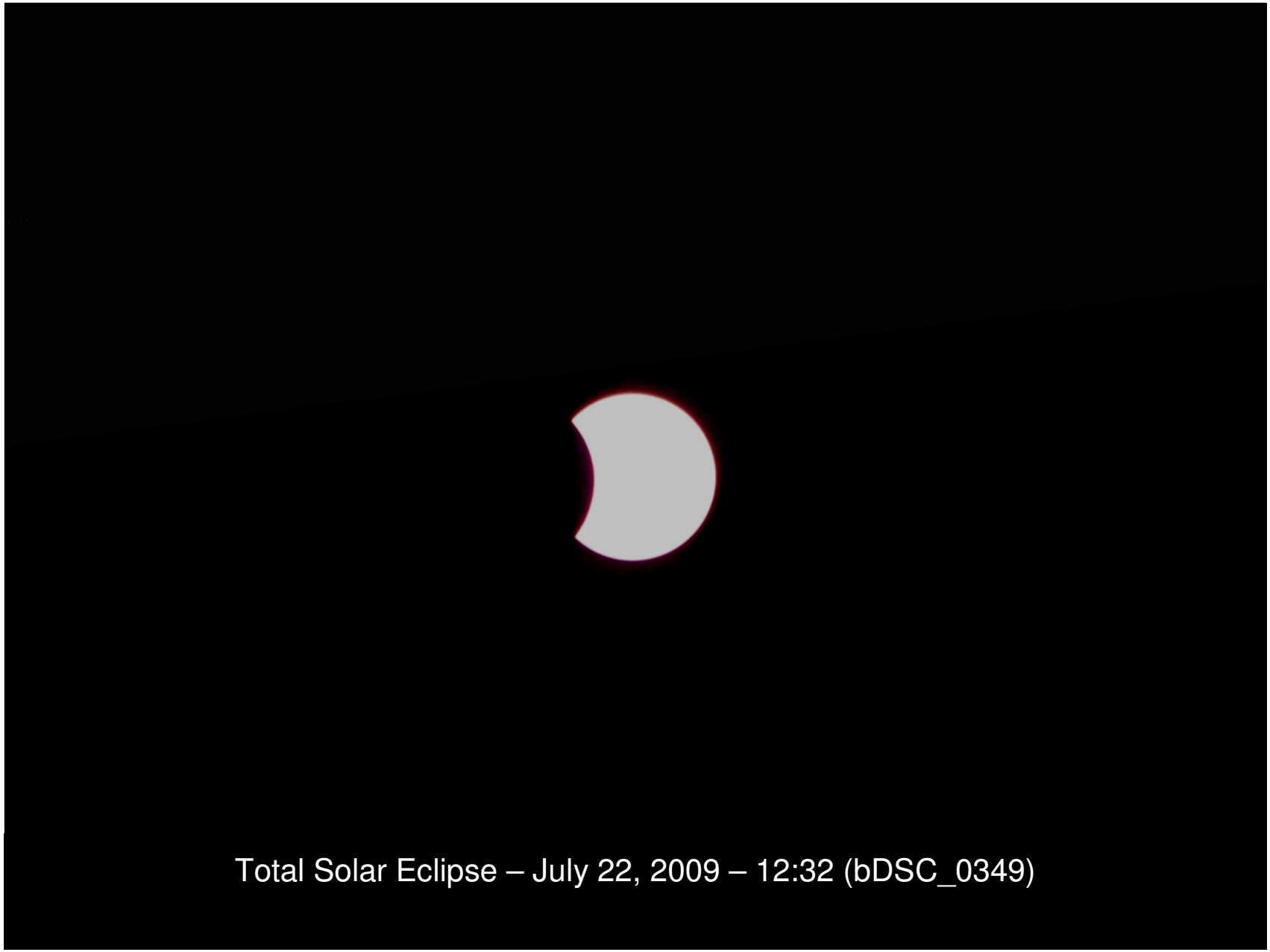
Total Solar Eclipse – July 22, 2009 – 12:17 (bDSC_0342)



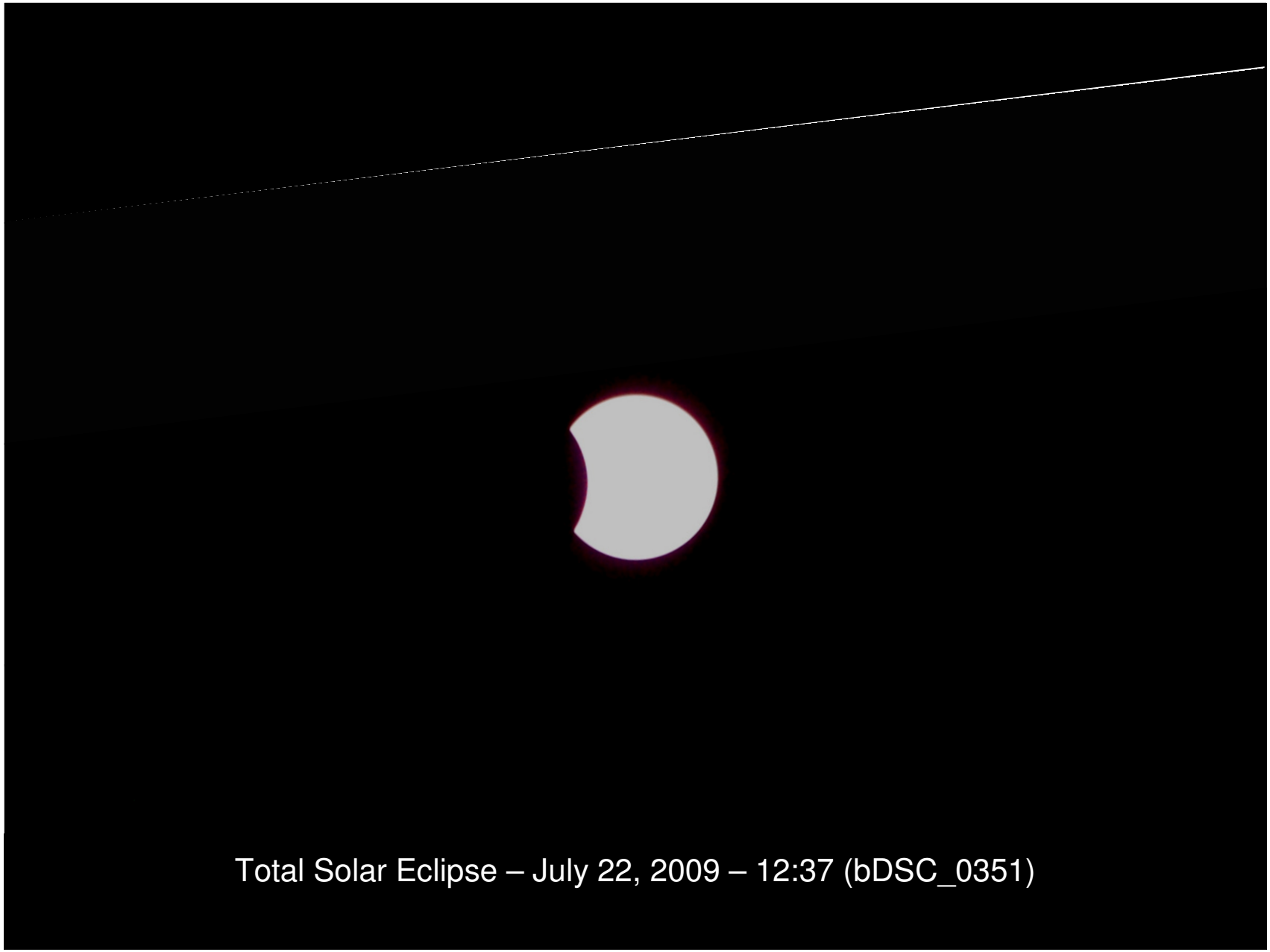
Total Solar Eclipse – July 22, 2009 – 12:22 (bDSC_0345)



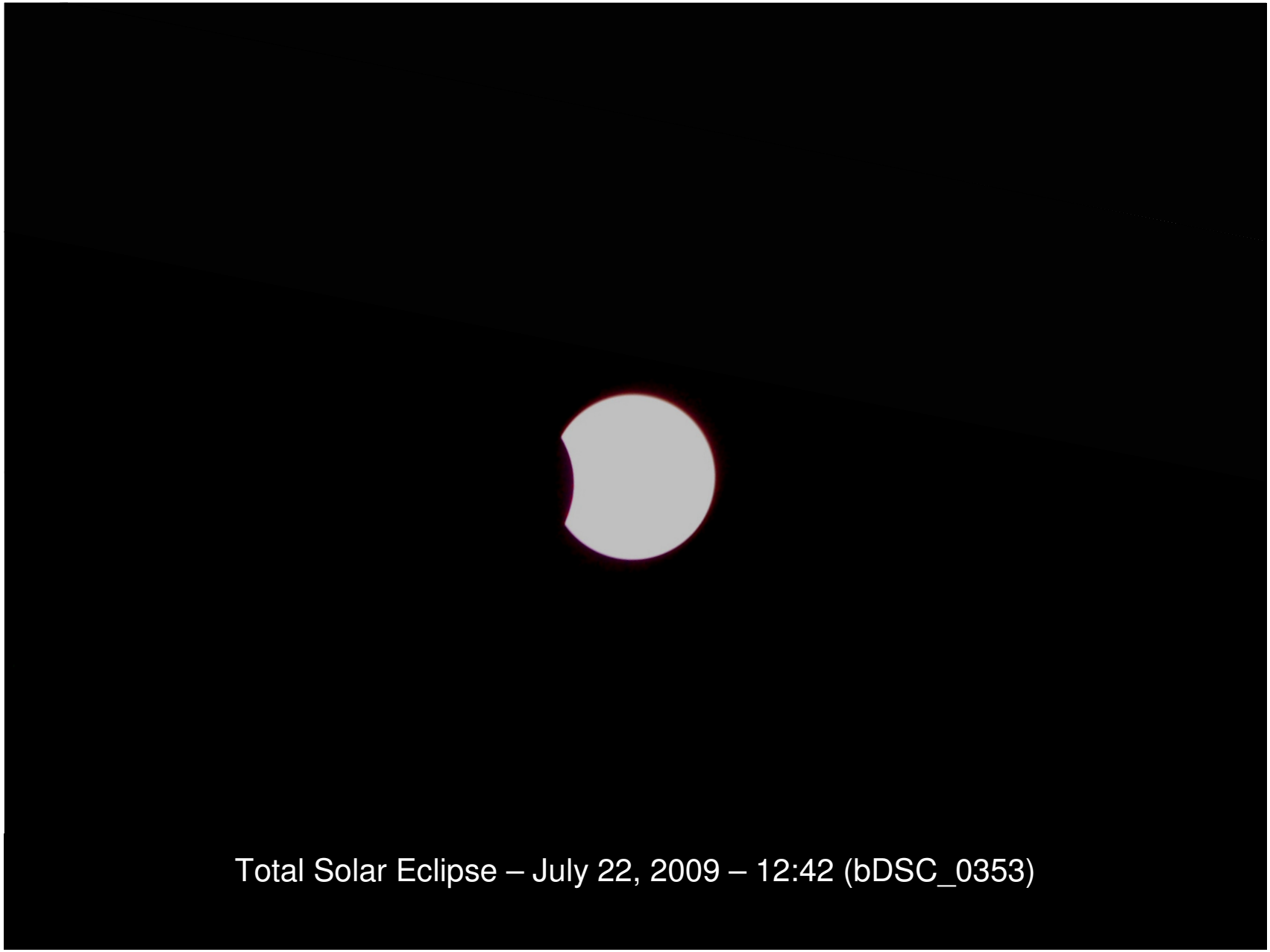
Total Solar Eclipse – July 22, 2009 – 12:27 (bDSC_0347)



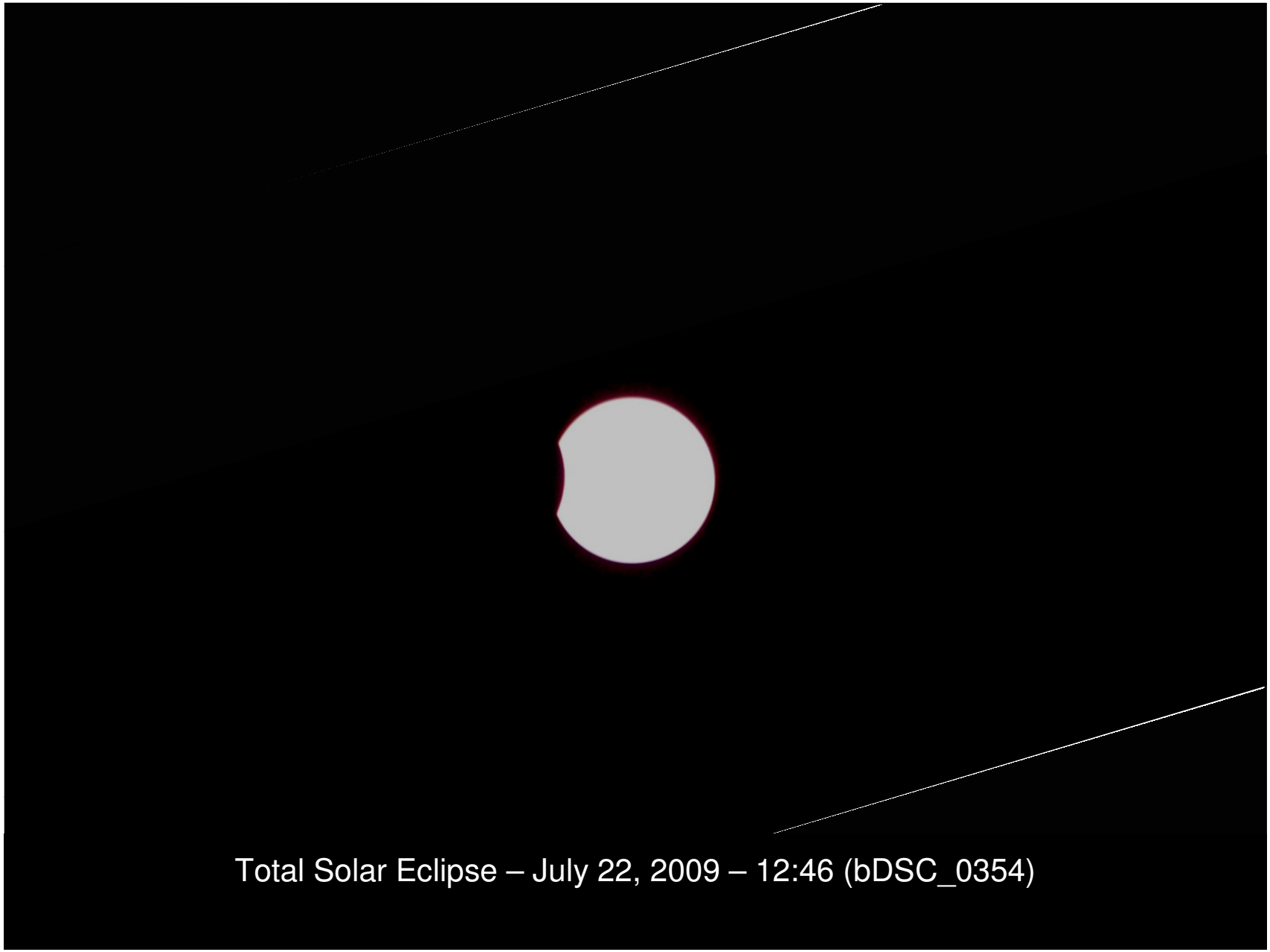
Total Solar Eclipse – July 22, 2009 – 12:32 (bDSC_0349)



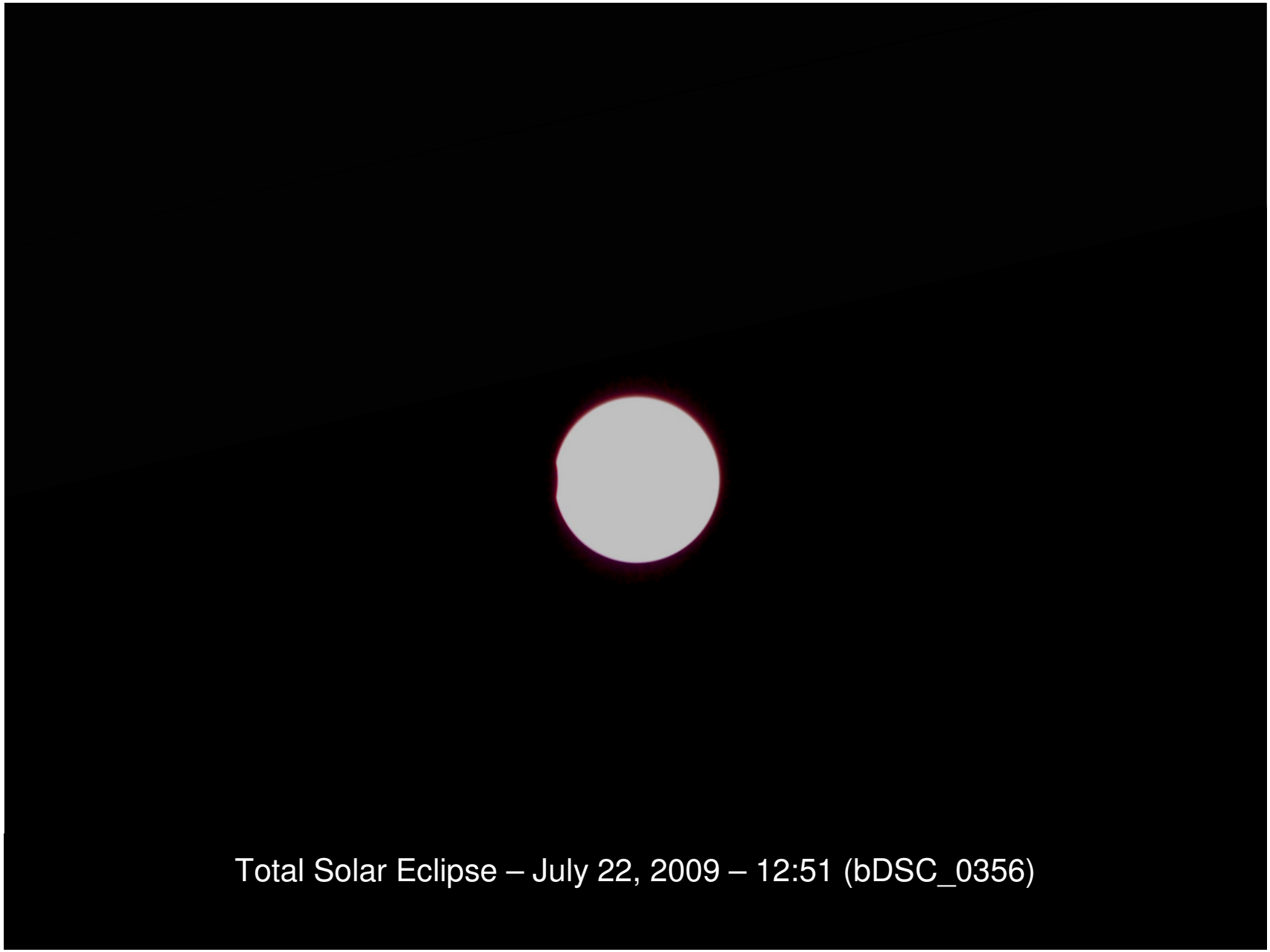
Total Solar Eclipse – July 22, 2009 – 12:37 (bDSC_0351)



Total Solar Eclipse – July 22, 2009 – 12:42 (bDSC_0353)



Total Solar Eclipse – July 22, 2009 – 12:46 (bDSC_0354)



Total Solar Eclipse – July 22, 2009 – 12:51 (bDSC_0356)



Thank you for your attention