

岩手県奥州市で観測した部分日食

「ベイリービーズが見えたか？」



水沢星のサークル  
酒井 栄

# 奥州市での見え方



ステラナビゲータver. 9でシミュレーション

# ☆奥州市で部分日食の撮影に成功しました！☆



2012/05/21 6:54:05



2012/05/21 7:30:21



2012/05/21 7:42:04

最大食分の頃  
太陽の距離：151393044km 視直径：31.6秒  
月の距離：401871km 視直径：29.4秒



2012/05/21 7:54:16



2012/05/21 8:30:02

# 部分日食観察記録



平成24年5月21日 部分日食  
撮影地：岩手県奥州市水沢区黒石町長田地内  
Photo S. Sakai

# ☆酒井天体観測所の観測施設紹介☆

←南側

西側

第二観測所

第一観測所

第三観測所

駐車場 (21台駐車可)

ポータブル赤道儀

ポータブル赤道儀

ポータブル赤道儀

ポータブル赤道儀

☆ポータブル赤道儀は、2台のカメラが一度にセットして撮影できます☆  
☆駐車場あり☆  
開所：(1978年6月)

観測機材は、ボーグ77mmとビクセン8cmF6テレプラスX2

東

南

←ビクセン8cmF6  
(ガイド鏡です~!)

←ボーグ



太陽フィルター—ND100000→

南





←カバー取り付け

ASKO  
High Quality - Edutech

KEEP OUR SKY  
夜空を守る  
水沢星のサークル

東

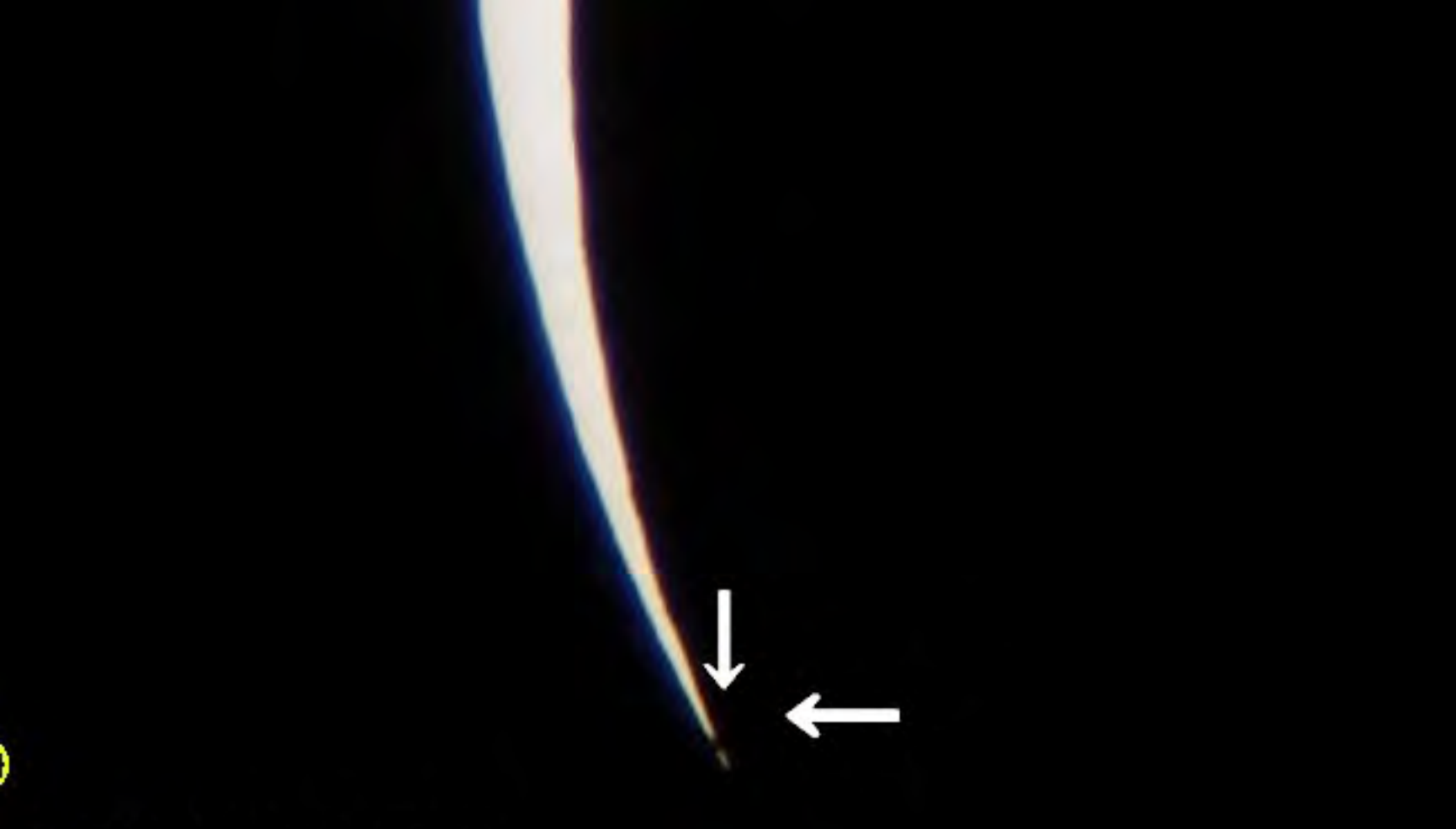




2012/05/21 7:42:59  
Photo S.Sakai



2012/05/21 7:43:04  
Photo S. sakai



2012/05/21 7:43:05  
Photo S. sakai



2012/05/21 7:43:22  
Photo S.Sakai







2012/05/21 7:42:46



2012/05/21 7:42:47





2012/05/21 7:42:49



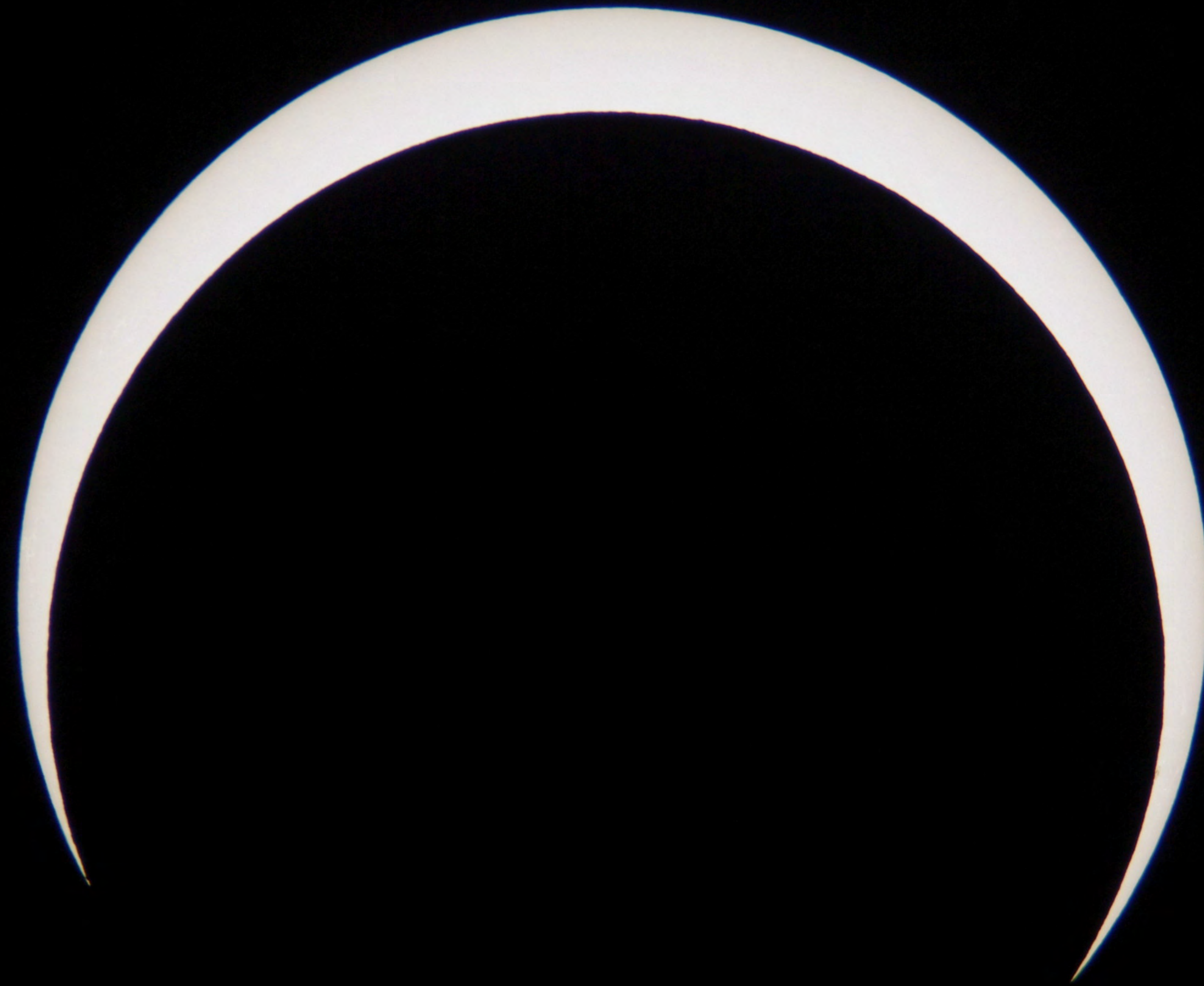




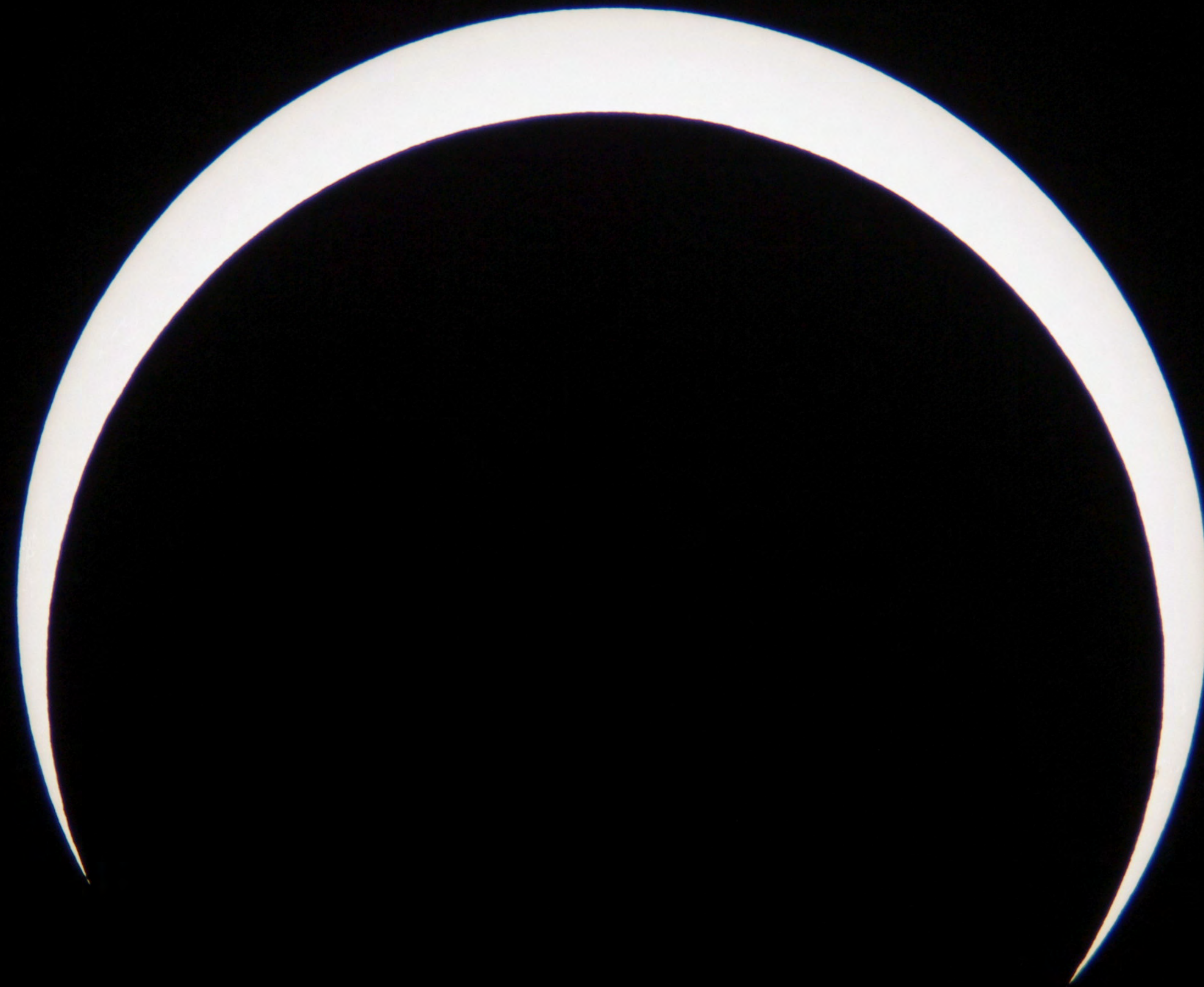
2012/05/21 7:42:58



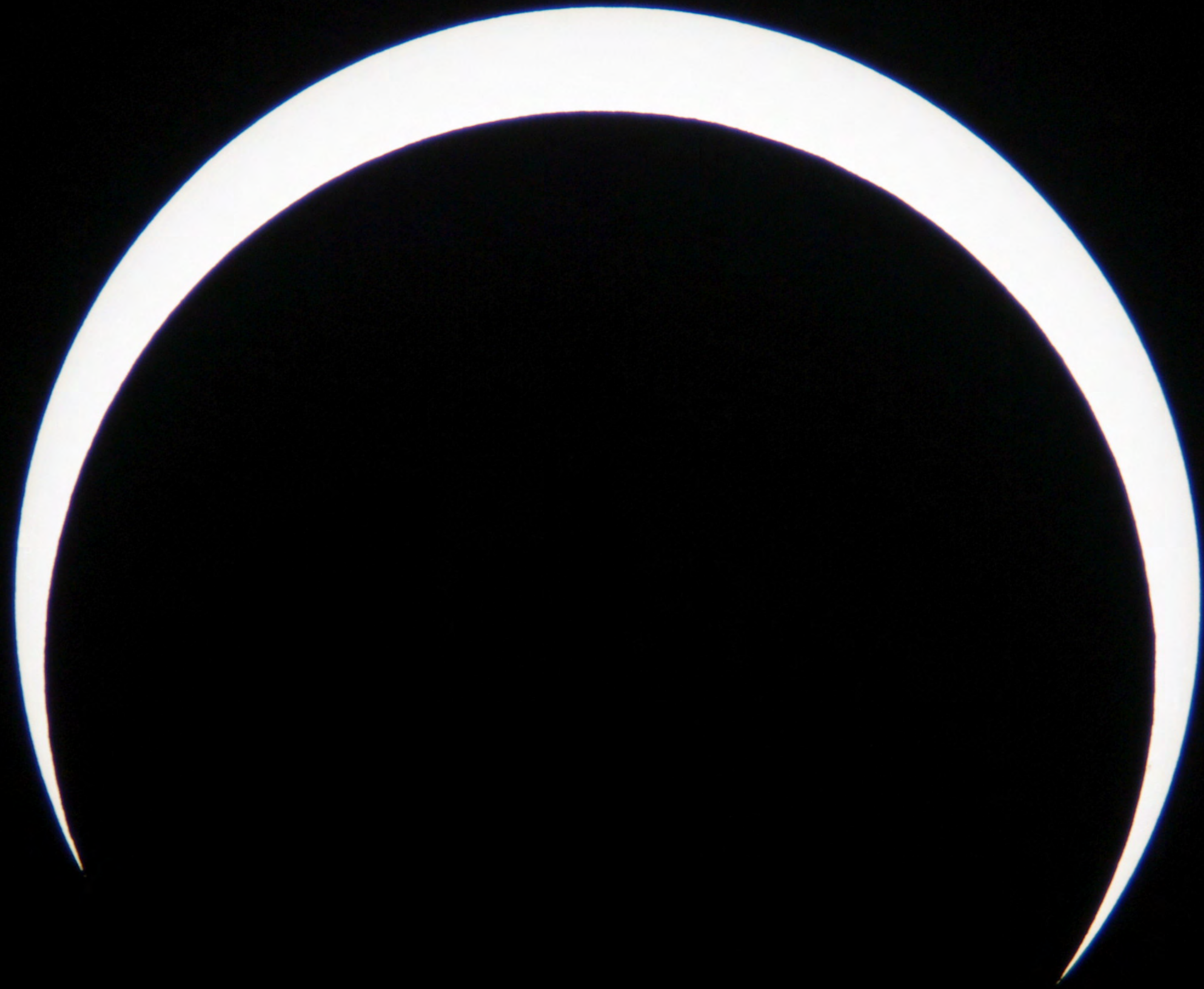
2012/05/21 7:42:59



2012/05/21 7:43:04



2012/05/21 7:43:05

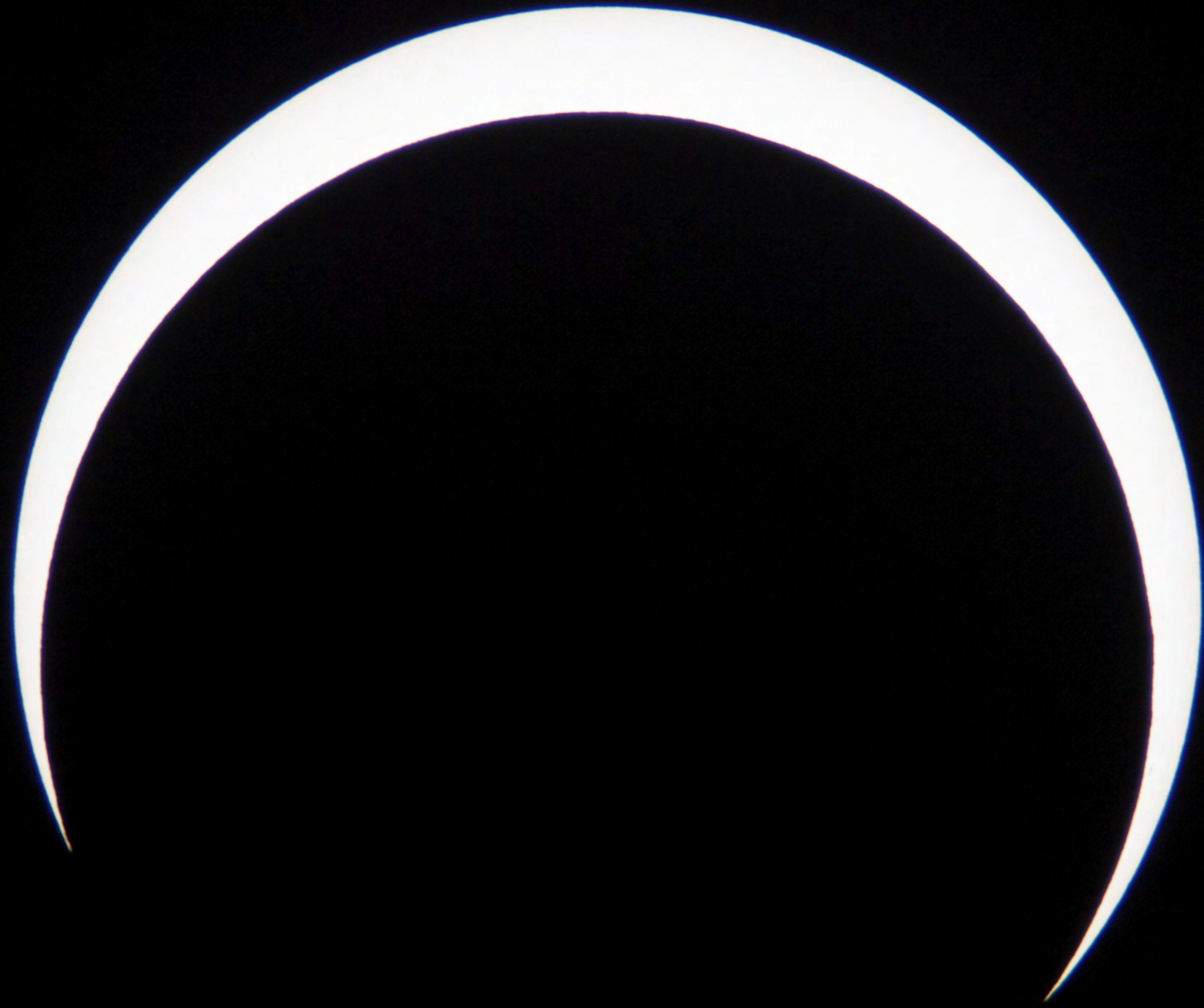


2012/05/21 7:43:07





2012/05/21 7:43:18







2012/05/21 7:43:22





2012/05/21 7:43:29











2012/05/21 7:43:53



2012/05/21 7:40:06  
Photo S. Sakai




2012/05/21 7:40:08(1/750s)  
Photo S. sakai


A bright, curved, glowing object, possibly a comet or a meteor, is captured against a black background. The object is a thin, curved line of light, starting from the top left and curving downwards and to the right, ending in a sharp point. The light is a pale yellow or white color, with a slight blue tint at the tip. The background is a deep, uniform black.

2012/05/21 7:40:10 (1/500S)  
Photo S. Sakai




A bright, curved, glowing object, possibly a comet or a piece of debris, is shown against a black background. The object is curved and tapers towards the bottom right. It has a bright yellow-white core that transitions to a blueish-white outer glow.

2012/05/21 7:40:14(1/250S)  
Photo S. Sakai




2012/05/21 7:40:15(1/180S)  
Photo S. sakai




2012/05/21 7:40:34(1/750S)  
Photo S. Sakai



A bright, curved, glowing object, possibly a comet or a celestial body, is shown against a black background. The object is a thick, curved line of light, tapering towards the bottom right. It has a yellowish-white core that transitions to a bright blue at the edges. The curve starts near the top center and arcs downwards and to the right, ending near the bottom right corner.


2012/05/21 7:40:35 (1/750S)  
Photo S. Sakai




2012/05/21 7:40:37 (1/500S)  
Photo S. sakai




2012/05/21 7:40:40 (1/500S)  
Photo S. Sakai

A bright, curved, glowing object, possibly a comet or a piece of debris, is shown against a black background. The object is curved and tapers to a point, with a bright yellow-white core and a surrounding blue-white glow. It is positioned in the upper right quadrant of the frame.


2012/05/21 7:40:42 (1/350S)  
Photo S. Sakai




2012/05/21 7:40:44(1/250S)  
S. Sakai



2012/05/21 7:40:45 (1/180S)  
S. Sakai




2012/05/21 7:40:47 (1/125S)  
Photo S. Sakai




2012/05/21 7:42:04(1/500S)  
S. Sakai




A bright, curved, glowing object, possibly a comet or a piece of debris, is shown against a black background. The object is curved and tapers to a point, with a bright white core and a yellowish-orange outer glow. It is positioned in the upper right quadrant of the frame.


2012/05/21 7:42:08 (1/350S)  
Photo S. Sakai

A bright, curved, glowing arc, possibly a comet tail or a light trail, curves from the top center towards the bottom right of the frame. The arc is white and yellow at its base, fading to a thin, bright blue line as it tapers off. The background is solid black.

2012/05/21 7:42:10 (1/250s)  
Photo S. Sakai



2012/05/21 7:42:12(1/180S)  
Photo S. Sakai




2012/05/21 7:42:14(1/125S)  
Photo S. Sakai




2012/05/21 7:42:18(1/180S)  
Photo S. Sakai



2012/05/21 7:42:20 (1/250S)  
Photo S. Sakai




2012/05/21 7:42:21 (1/350S)  
Photo S. Sakai




2012/05/21 7:42:23 (1/500S)  
Photo S. Sakai







2012/05/21 7:42:24(1/750S)  
Photo S. Sakai



2012/05/21 7:42:29 (1/750S)  
Photo S. Sakai




2012/05/21 7:42:31 (1/500S)  
Photo S. Sakai



2012/05/21 7:42:32 (1/350S)  
Photo S. Sakai




2012/05/21 7:42:34(1/250S)  
Photo S. Sakai



2012/05/21 7:42:35 (1/180S)  
Photo S. Sakai




2012/05/21 7:42:37(1/125S)  
Photo S. Sakai




2012/05/21 7:42:41 (1/125S)  
Photo S. Sakai







2012/05/21 7:42:42 (1/180S)  
Photo S. Sakai




2012/05/21 7:42:44(1/250S)  
Photo S. Sakai




2012/05/21 7:42:46 (1/350S)  
Photo S. Sakai




2012/05/21 7:42:47 (1/500S)  
Photo S. Sakai

A bright, curved, glowing object, possibly a comet or a bright meteor, is visible against a black background. The object is oriented vertically, with its curved edge facing left and its tip pointing downwards. The glow is most intense at the tip and fades as it moves upwards.


2012/05/21 7:42:49 (1/750S)  
Photo S. Sakai

A bright, curved, crescent-shaped object, possibly a celestial body or a light source, is visible in the upper right portion of the image. The object is white and yellowish, with a sharp, pointed tip at the bottom right. The background is dark and mostly black, with some faint blue and purple hues near the object.

2012/05/21 7:42:50 (1/1000S)  
Photo S. Sakai


A thin, curved, light-colored object, possibly a filament or a piece of paper, is shown against a black background. The object is curved from the top right towards the bottom right, tapering to a point.

2012/05/21 7:42:56 (1/1000S)  
Photo S. Sakai



2012/05/21 7:42:58 (1/750S)  
Photo S. Sakai






2012/05/21 7:42:59 (1/500S)  
Photo S. Sakai



2012/05/21 7:43:01 (1/350S)  
Photo S. Sakai



2012/05/21 7:43:04(1/250S)  
Photo S. Sakai



2012/05/21 7:43:05 (1/180S)  
Photo S. Sakai



2012/05/21 7:43:07(1/125S)  
Photo S. Sakai



2012/05/21 7:43:09 (1/90S)  
Photo S. Sakai



2012/05/21 7:43:18 (1/90S)  
Photo S. Sakai



2012/05/21 7:43:19 (1/125S)  
Photo S. Sakai







2012/05/21 7:43:21 (1/180S)  
Photo S. Sakai




2012/05/21 7:43:22 (1/250S)  
Photo S. Sakai

A bright, curved, crescent-shaped object, possibly a celestial body or a light source, is visible in the upper right portion of the image. It has a white, glowing inner edge and a blueish-white outer edge, set against a solid black background.


2012/05/21 7:43:24(1/350S)  
Photo S. Sakai

A thin, curved, light-colored object, possibly a piece of paper or a thin rod, is positioned vertically on the right side of the image. It is illuminated from the left, creating a bright, curved edge that tapers towards the bottom. The rest of the object and the background are dark.


2012/05/21 7:43:25 (1/500S)  
Photo S. Sakai

A thin, curved, light-colored object, possibly a filament or a piece of paper, is shown against a dark background. The object is curved and tapers towards the bottom right. It appears to be a close-up of a thin, curved object, possibly a filament or a piece of paper, against a dark background.


2012/05/21 7:43:27 (1/750S)  
Photo S. Sakai



2012/05/21 7:43:29 (1/1000S)  
Photo S. Sakai

A bright, curved, crescent-shaped object, possibly a celestial body or a light source, is visible in the upper right portion of the image. The object is white and yellowish, with a dark blue or black shadow on its inner curve. The background is a deep, dark blue or black.

2012/05/21 7:43:31 (1/750S)  
Photo S. Sakai



2012/05/21 7:43:32 (1/500S)  
Photo S. Sakai



次回もぜひ！  
大きい機材で  
ベイリーグー  
で見たいです  
～！

# 神秘の部分日食 完

☆御静聴ありがとうございました！☆

今回の奥州市での見えた部分日食は！  
2012年5月21日(6h26m～9h10m)  
食の最大時刻：7h43m(91%欠けた)  
Sun=31.6S Moon=29.6S Hi=37.6S



次回の岩手で見える部分日食は？  
2030年6月1日(13h53m～18h14m)  
食の最大時刻：17h 2m(89%欠ける)  
Sun=31.5S Moon=29.6S Hi=19.6S

観測地：岩手県奥州市水沢区黒石町長田地内  
東経131度13分04秒  
北緯 39度06分31秒  
標高 168m  
8cmF8 2X EOS KissX2 Photo By S. Sakai