

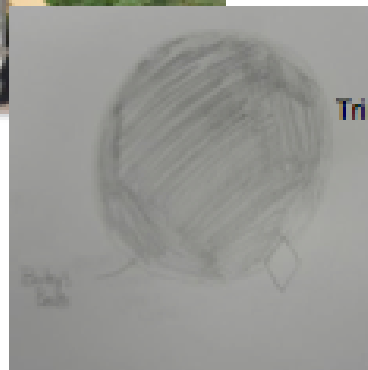
Minden, Nebraska Eclipse Project August 21, 2017



Site #1- Steve Exstrom, teacher, Colton Taylor & Trinity Olson, students
40°30'20.46" N, 98°59'23.05"W (985 ft N from midpoint on 30 Rd.)



1. I noticed the "diamond ring" as the moon passed.....didn't get my glasses off in time to see the oncoming diamond ring. Baily's Beads were also apparent as the moon started to completely cover the sun's surface.
2. The corona was very visible upon totality but not for very long.....could see red areas of light which were possible prominences or flares.....didn't get a good chance to really look at these areas.
3. total blockage - corona very visible - red areas along the edge of the moon.
4. I got my glasses off for about 15-20 seconds so I really didn't get a chance to look around. I really wanted to see the corona and I got to see that very well. The sunlight began to reappear and then the "diamond ring" shown as the moon passed totality.



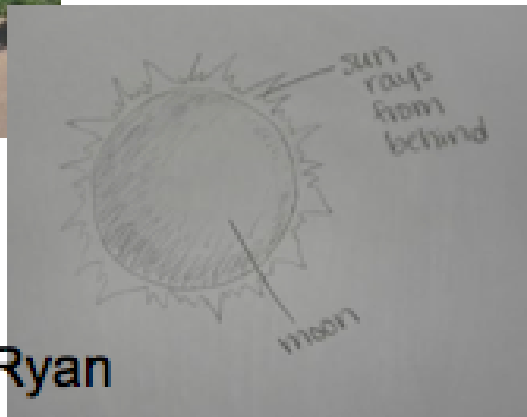
Trinity Olson

Site #2- Jebb Hatch, teacher, Kenan Horner & Emma Ryan, students
40°30'17.22"N, 98°59'23.05"W (657' N of midpoint on 30 Rd.)



Mr. Hatch did not provide a narrative. The students did provide drawing of what they saw.

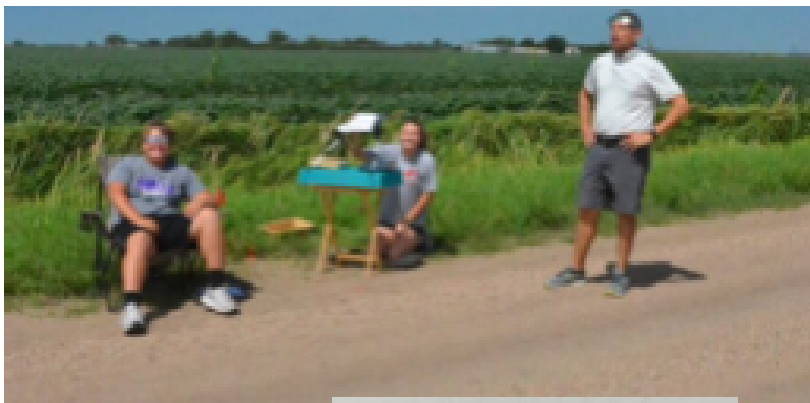
Emma Ryan



Kenan Horner



Site #3-Tony Marino, teacher, Ethan Hanson & Camryn Melroy, students
40°30'15.59"N, 98°59'23.05"W (492' past midpoint on 30 Rd.)



Ethan Hanson



 Tony Marino

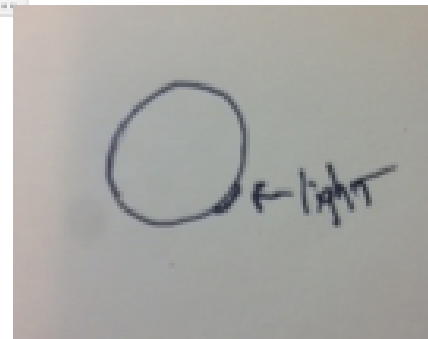
Aug 29 ☆



to me ▾

1. I did see a bright light at 4:00
2. I do not remember a "halo" around the moon although light was visible.
3. I e-mailed a separate picture (sorry I am no artist)
4. I was comfortable viewing it without glasses.

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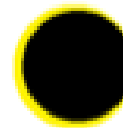
Mr. Marino

Site #4- Steve Zeliff, teacher, Patrick Rose & Lindsay Scanlan
40°30'13.97"N, 98°59'23.05"W (328' N of midpoint on 30 Rd.)



1. The only bright light that I saw was a single spot at about the 4 o'clock position on the covered disk. It looked like the diamond ring image.
2. Yes the corona was visible but seemed the moon was not perfectly centered across the face of the sun.

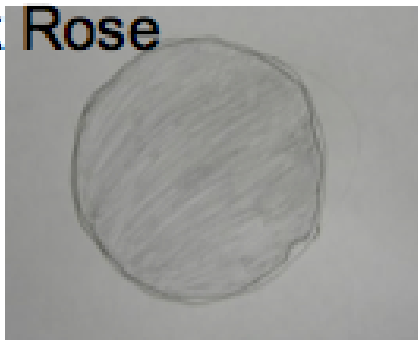
3. Drawing



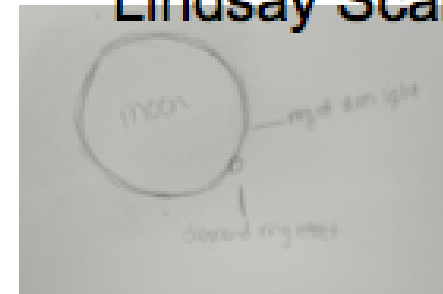
more of the corona
on the left, top and bottom.

4. No discomfort during the middle of the eclipse. When the sun re-emerged, I put my protective glasses back on.

Patrick Rose



Lindsay Scanlan

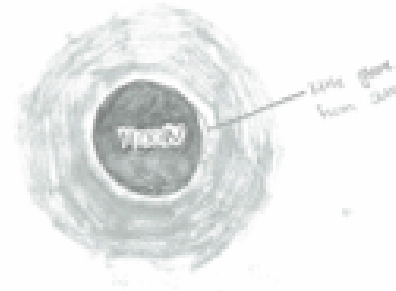


Site #5- Ken Carpenter, adult, Jake Putnam & Michaela Sinsel, students
 $40^{\circ}30'13.16''\text{N}$, $98^{\circ}59'23.05''\text{W}$ (246' N of midpoint on 30 Rd.)

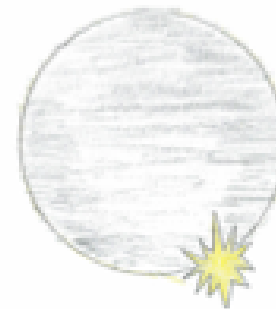


1. yes little bright lights 2. yes 3. little bright lights and rainbow colors under the eclipse 4 no problem didn't bother my eyes at all let me know if you need anything else and thanks for letting me be apart of it I had a blast Ken

Michaela Sinsel

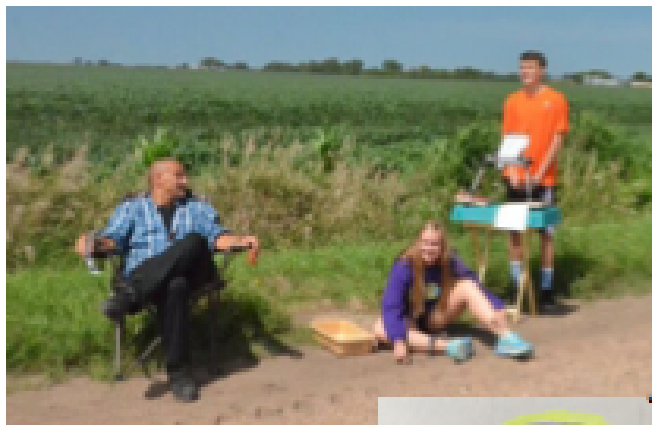


It was dark but not
Dark enough to see
the stars.

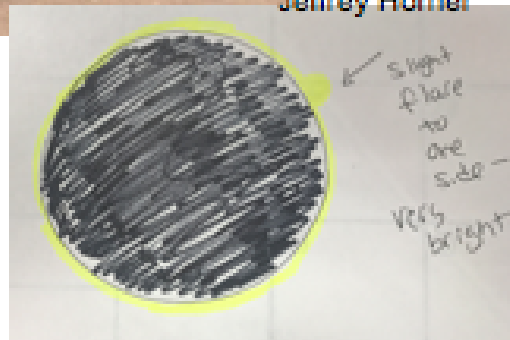


Jacob Putnam

Site #6-Jeffrey Horner, teacher, Aidan Wheelock & Laney Thatcher, students
40°30'11.54"N, 98°59'23.05"W (164' N of midpoint 30 Rd.)



Jeffrey Horner

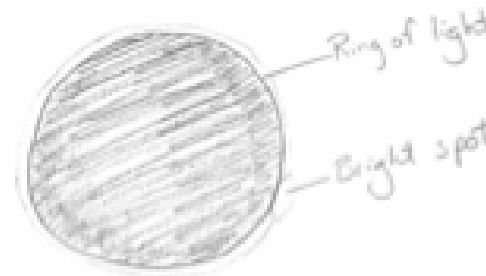


1. Were there any bright points of light visible during the middle of the **eclipse**? - yes, there was a slight bit of light "bursting" on one side of the sun/moon during "totality" ...it was not absolutely covered.
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? besides the little burst of light on one side, yes, it was visible around.
3. Can you draw what you saw during the middle of the **eclipse**? This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds. - sent drawing
4. Did you feel comfortable viewing the Sun during the middle of the **eclipse** or did it seem to hurt your eyes? did not seem to hurt my eyes...looked without glasses...

Site #7-Jayne Hoban, Adult, Chase Villars & Hannah Boehler, students
 $40^{\circ}30'11.54''\text{N}$, $98^{\circ}59'23.05''\text{W}$ (82' N of midpoint)



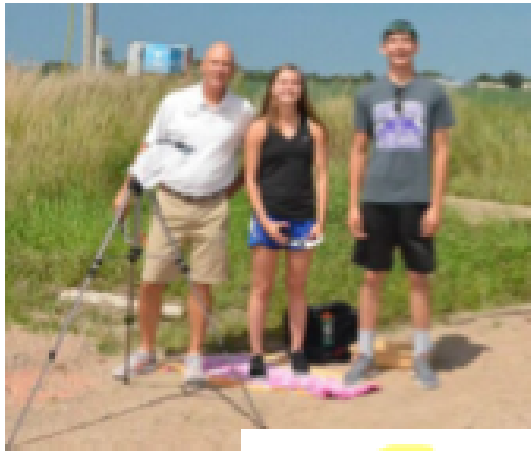
1. Yes, I saw one bright point during the eclipse. It was toward the middle to lower right side.
2. Yes, there was a full ring of light with the one bright spot of light.



Jayne Hoban

4. I didn't really hurt my eyes, I was ok with looking at it.

Site #8-Greg Sitorius, teacher, Aiden Smith & Alex Bauer, students
40°30'10.39"N, 98°59'23.06"W (midpoint on 30 Rd.)



1. I saw no bright points

2. yes

3. saw 5 to 7 Bailey's beads on both ends of the "total" eclipse. Also saw the "diamond ring" configuration as the moon was coming "off" of the sun.

4. Yes, no pain. Only short time to view without the glasses. No glasses was the only way to see what was happening during the total part of the eclipse.

Greg Sitorius



Greg Sitorius

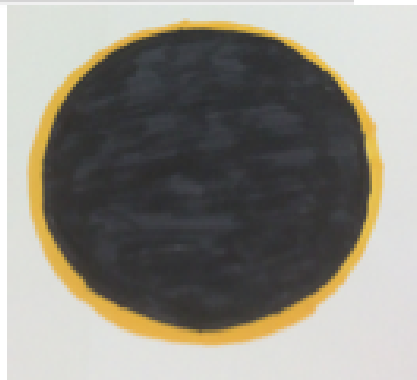


Site #9-Cindy Peterson, teacher, Jaron Brown & Haidyn Mount, students
40°30'09.92"N, 98°59'23.05"W (82' S of midpoint on 30 Rd.)



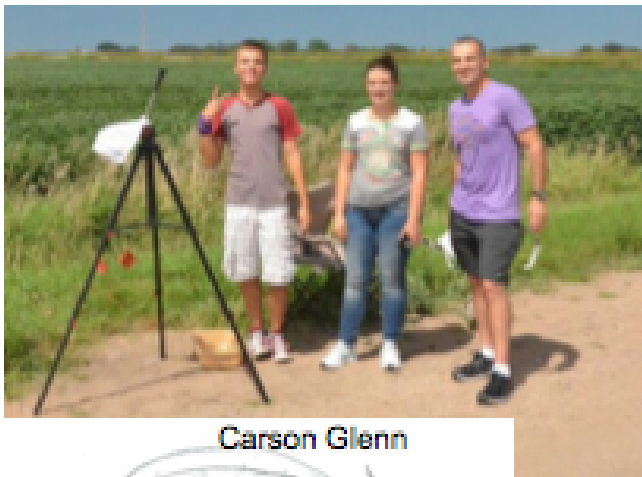
1. Were there any bright points of light visible during the middle of the eclipse? **Yes**
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? **Yes**
3. Can you draw what you saw during the middle of the eclipse? **Yes** This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds. (I will send this to you via email).
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes? **I felt very comfortable viewing it. It was an amazing experience.**

Cindy Peterson
Station #9



Cindy Peterson

Site #10- Ed Rowse, teacher, Carson Glenn & Alexas Kuehn, students
40°30'09.11"N, 98°59'23.05"W (164' S of midpoint on 30 Rd.)

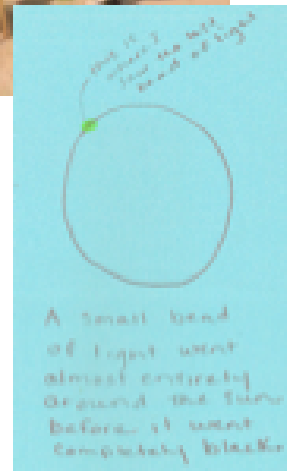
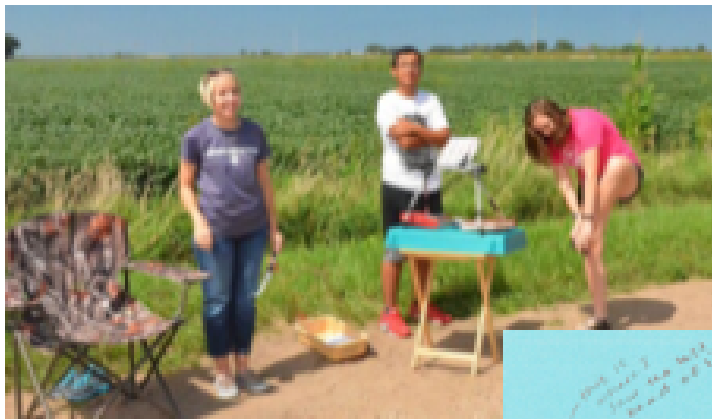


Carson Glenn



1. Were there any bright points of light visible during the middle of the eclipse? **Yes, I could see bright light most of the way around until at least the midpoint.**
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? **I never saw it the full way around but most of the way around the sun.**
3. Can you draw what you saw during the middle of the eclipse? This could be the most critical thing? We need some sort of accurate description of what happened there and we wont be able to get it from the videos due to the clouds. **I only saw a rim of bright light around the edges most of the way around the sun. Carson Glenn was really gogling and awing about what he could see. He may be a better person to have draw what he saw.**
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes? **I didn't watch consistently for any length of time just 10 or so seconds before looking away. It never hurt my eyes.**

Site #11- Julie Ratka, teacher, Eric Iniguez & Jensen Rowse, students
40°30'08.29"N, 98°59'23.05"W (246' from midpoint on 30 Rd.)



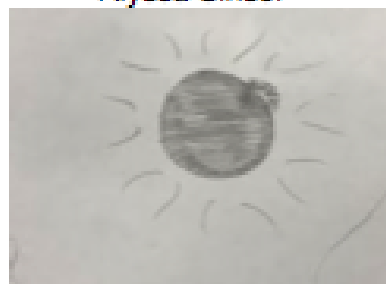
1. Were there any bright points of light visible during the middle of the eclipse?
 - a. Not that I saw. I saw a small bead of light go around the sun before it went completely black.
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun?
 - a. I saw a small bead of light go around the entire sun before it went to totality.
3. Can you draw what you saw during the middle of the eclipse? This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds.
 - a. Attached to email
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes?
 - a. Totally comfortable.

Julie Ratka

Site #12- Drew Carlton, teacher, Jackson Myers & Alyssa Sinsel, students
40°30'07.48"N, 98°59'23.05"W (328' S of midpoint on 30 Rd)



Alyssa Sinsel



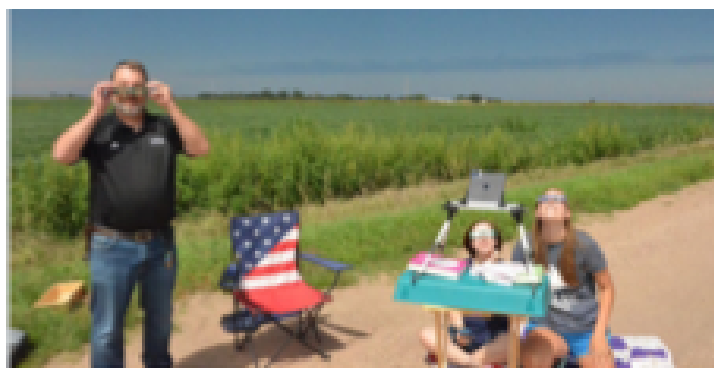
Jackson Myers



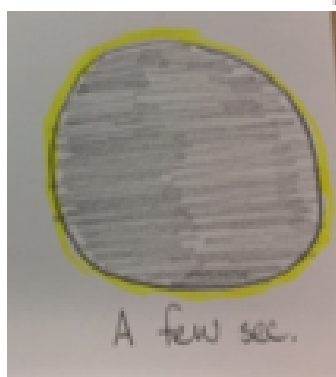
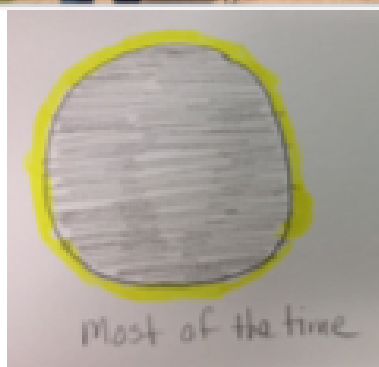
Drew Carlton - Station 12

1. Were there any bright points of light visible during the middle of the eclipse?
Yes
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? **Yes**
3. Can you draw what you saw during the middle of the eclipse? This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds.
I saw a small bright circle of light beaming from the upper right side of the moon.
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes?
I felt very comfortable viewing the Sun during the middle of the eclipse with no discomfort during or after the eclipse.

Site #13- John Jacobs, teacher, Emily Brandt & Brinn Space, students
40°30'06.67"N, 98°59'23.05"W (410' S of midpoint on 30 Rd.)

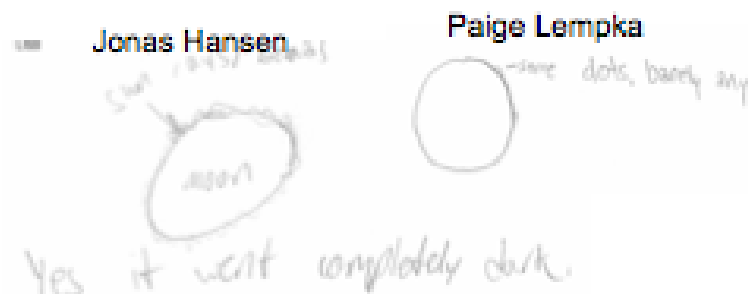


1. Were there any bright points of light visible during the middle of the eclipse?
 - a. There was a small, bright bead at the 4-5 position on a clock and then for a few seconds the moon completely covered the sun.
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun?
 - a. I saw a small bead of light move up the sun just before it covered completely and then the light came back above within a few seconds.
3. Can you draw what you saw during the middle of the eclipse? This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds.
 - a. Attached to email
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes?
 - a. Totally comfortable viewing it.



John Jacobs

**Station #14- Carla Jacobs, teacher, Jonas Hansen & Paige Lempka, students
40°30'05.86"N, 98°59'23.05"W (492' S of midpoint on 30 Rd.)**



1. Were there any bright points of light visible during the middle of the eclipse?

As things went dark, there was a bright bubble of light that appeared between as on a clock face at about 4:00 to 5:00 that appeared. I remember being confused by this because I had taken my glass off and then this really bright light appeared and I thought "oh, great I've taken my glasses off too soon."

2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? Yes, but it was very brief because I had taken my glasses off and then immediately put them back on because of the bright light I described in questions #1.

3. Can you draw what you saw during the middle of the eclipse? This could be the most critical thing? We need some sort of accurate description of what happened there and we won't be able to get it from the videos due to the clouds.

"bright bubble of light was between as on a clock face at about 4:00 to 5:00 that appeared almost immediately after seeing the moon cover the face of the sun" Later Lisa said, "did you see the diamond ring?" and I assume this is what I saw at this point.

4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes? I was not comfortable viewing the sun during the eclipse because of the bright light that happened, so then I mostly looked around checking out the horizons on all sides of me. I didn't want to risk ruining my eyesight.

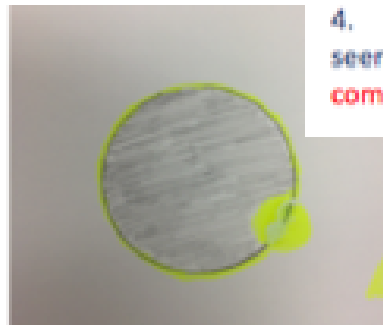
I am fairly certain this all happened between 12:57 and 12:58 because I kept on thinking surely she is going to say the first "mark" pretty soon.

Station #15- Lisa Clapper- teacher, Marshall Chasek & Cayley Carpenter, students.
40°30'04.24"N, 98°59'23.05"W (657' S of midpoint on 30 Rd)



Lisa Clapper
Station #15

1. Were there any bright points of light visible during the middle of the eclipse? **Yes**
2. Was a full ring of light (as you describe it)—the corona—visible surrounding the Sun? **very faint at the top, but brighter at the bottom where there was a bright light at the 4-5 position on a clock. It never got completely dark where the bright light was located.**



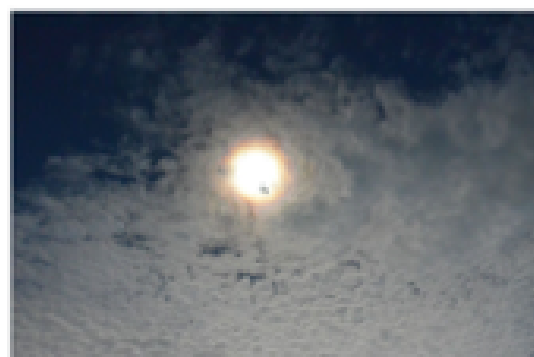
4. Did you feel comfortable viewing the Sun during the middle of the eclipse or did it seem to hurt your eyes? **My glasses went totally dark so I took them off. I felt very comfortable viewing it. It was absolutely beautiful!**



1

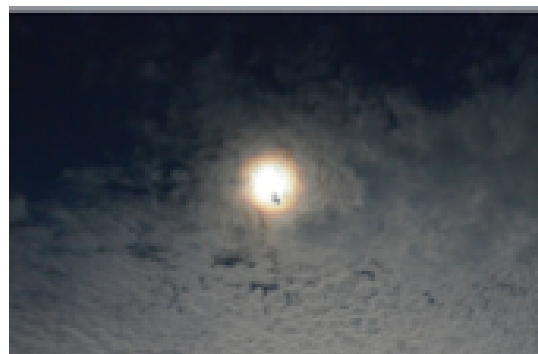


2



3

These pictures were all taken with a camera at station 15 by Tony Ratka.



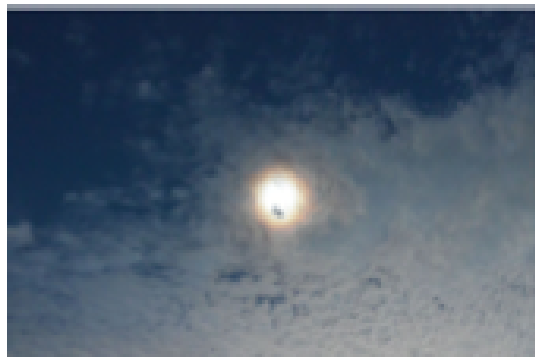
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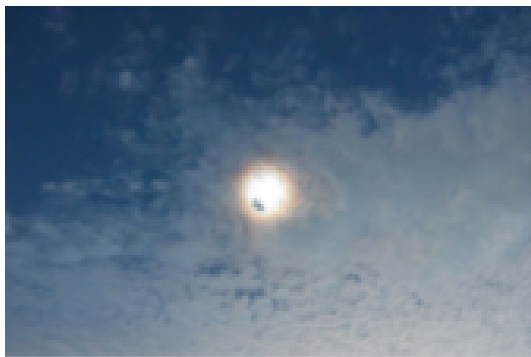
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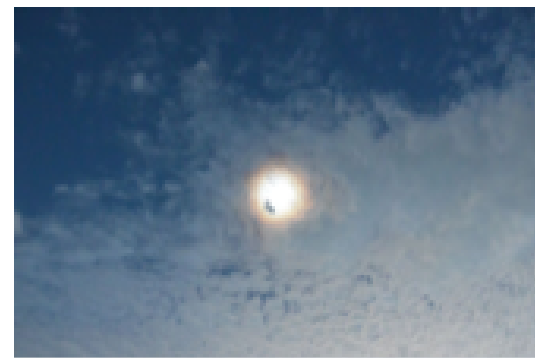
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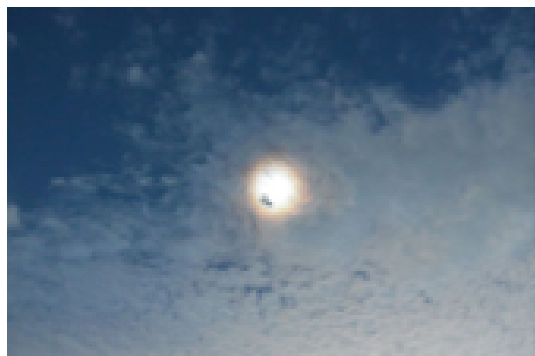
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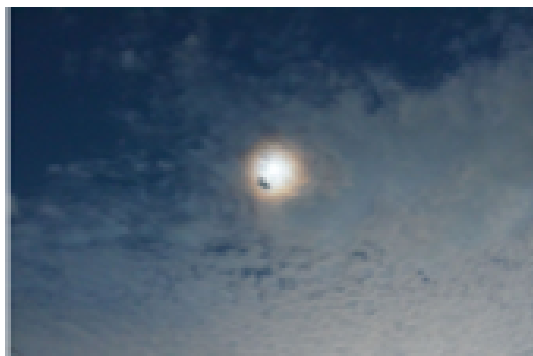
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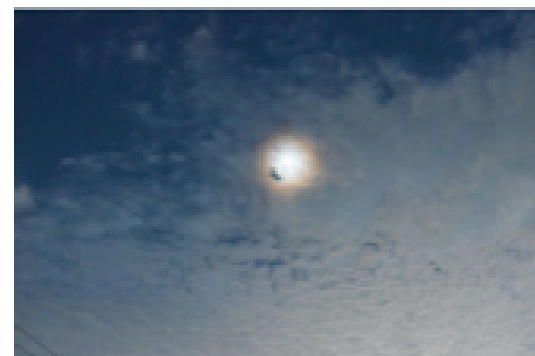
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10



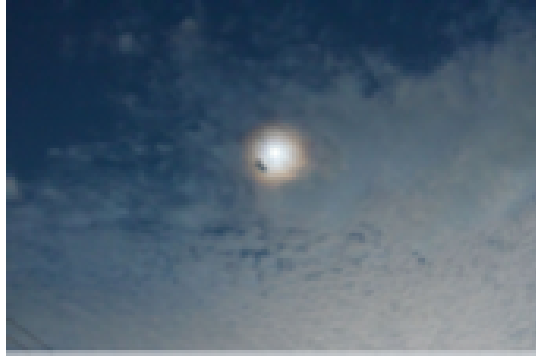
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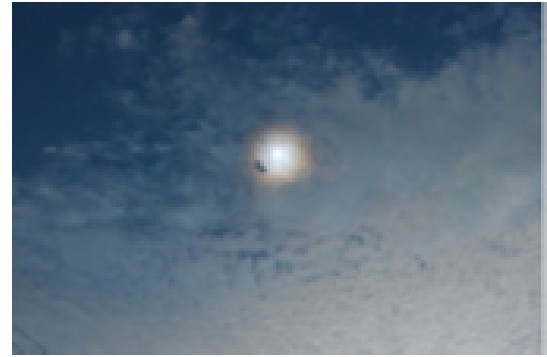
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13



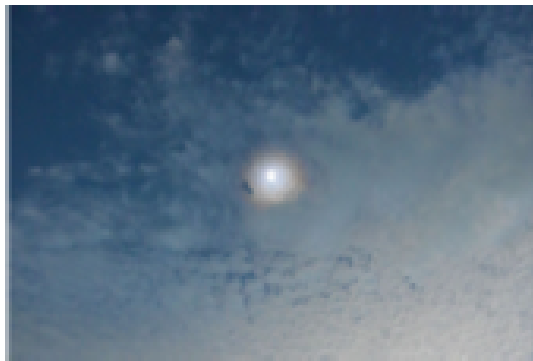
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15



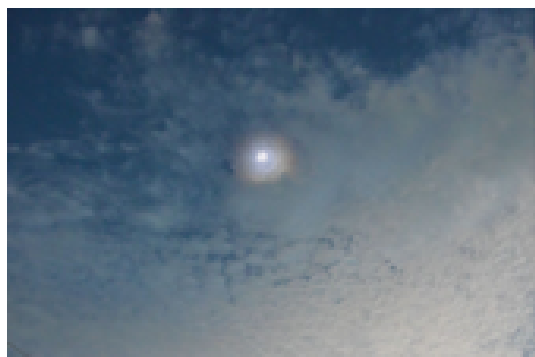
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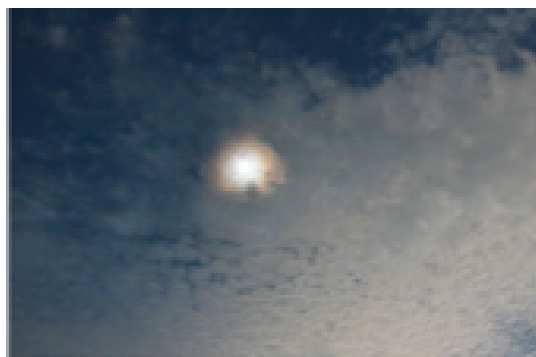
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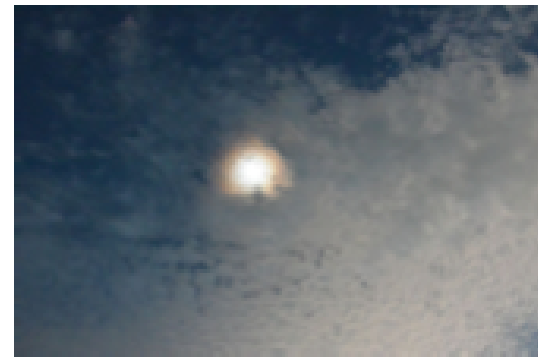
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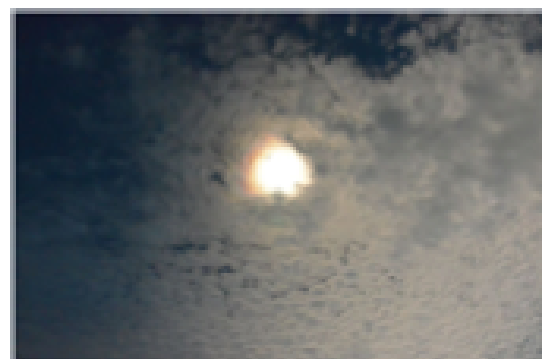
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21



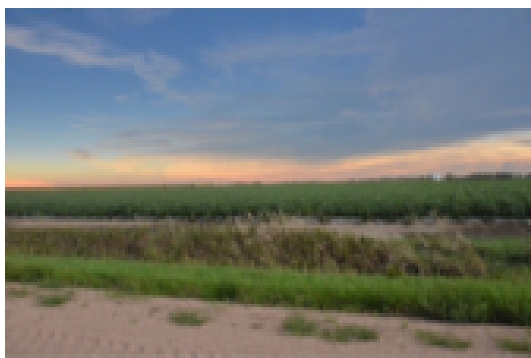
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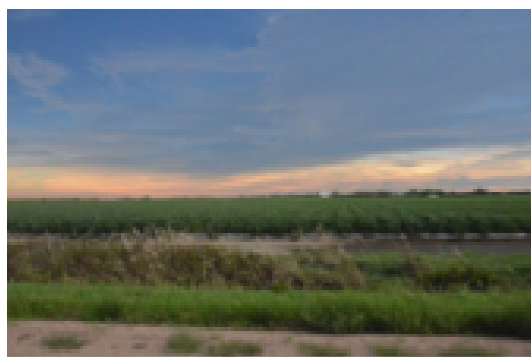
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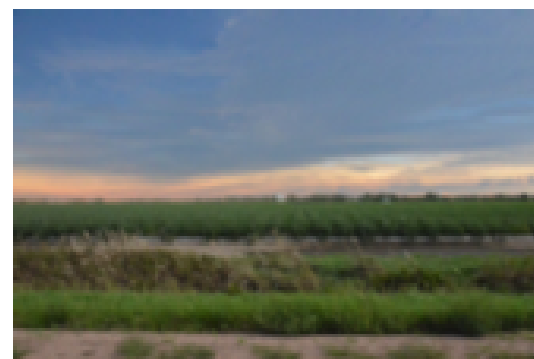
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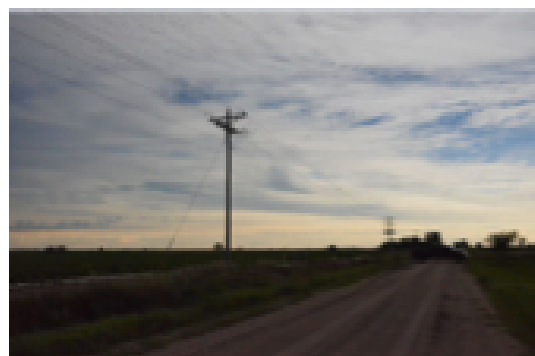
25-E



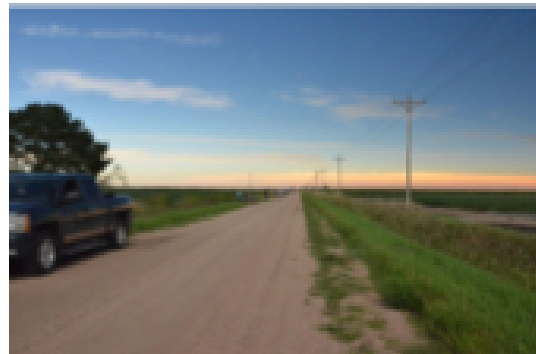
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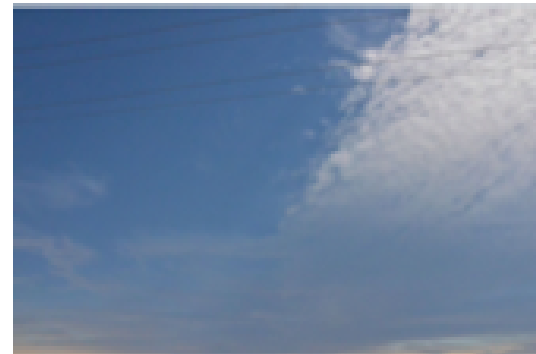
27-E



28-S



29-N



30



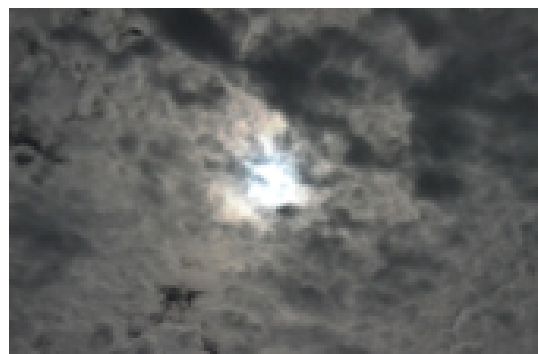
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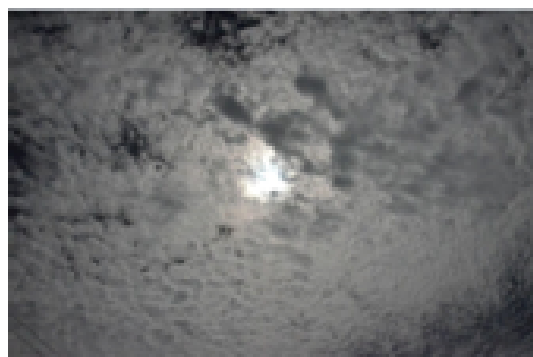
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Group picture of participants for 2017 Total Solar Eclipse!

