



Red & Silver

REVIEW

NOC Enid Observatory measures star light output

The NOC Enid Observatory successfully measured the light output from a very distant star as the asteroid 32 Pomona passed in front of the star on March 6.

The NOC Observatory was uniquely situated so that the shadow of the asteroid passed directly over the telescope at 11:03 p.m.

NOC Enid Astronomy instructor Fritz Osell was contacted by members of the International Occultation Timing Association at the request of the Jet Propulsion Laboratory in Pasadena to try to measure the change of light as the asteroid passed in front of the star.

This asteroid had only been measured twice before.

The NOC Observatory was very successful in measuring the event, according to Osell.

“Our telescope recorded 22.8 seconds of the event as the shadow passed directly over the NOC Observatory at a speed of 1000 miles per hour,” he said.

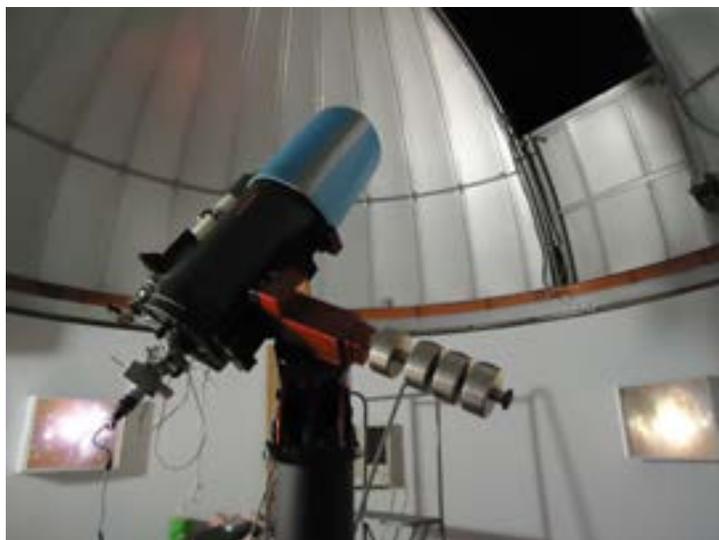
The light curve was measured from the star as the asteroid passed over the NOC Observatory in Enid. The comparison from the two curves directly from the NOC telescope clearly showed the drop in light intensity as the asteroid passed in front of the star.

Further analysis of this measurement conducted by the professional research community will determine properties of the asteroid.

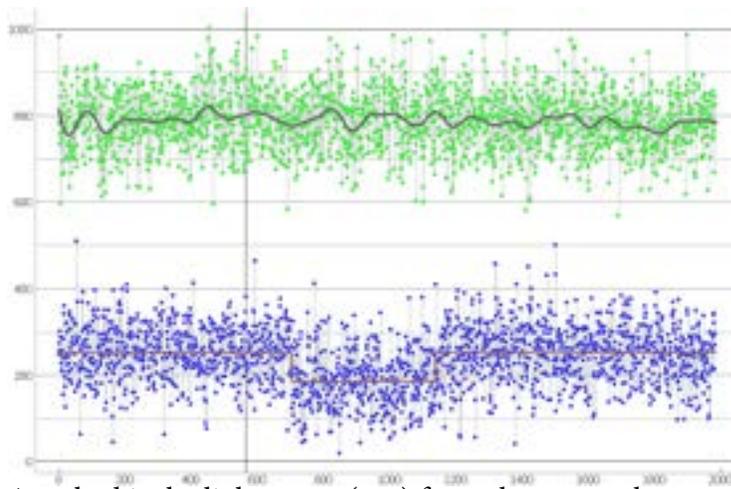
An observation of the event was attempted in Blackwell but missed the star and an attempt from Bartlesville focused on the wrong star.

According to Osell, NOC Enid was the only one that recorded the measurements. He said there may have been a successful observation in Arizona but only 15 seconds of the event was recorded. This was an international effort.

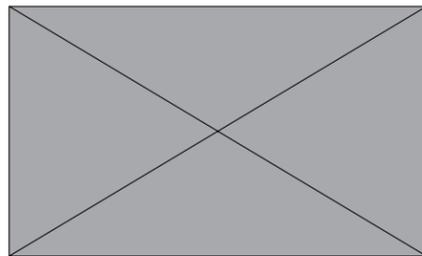
“This is a good example how undergraduate students at small college observatories can conduct research projects that contribute to the professional research community,” Osell said. “Students at NOC learn astronomy by doing astronomy.”



NOC Enid Observatory set up for asteroid occultation (photo provided)



Attached is the light curve (top) from the star as the asteroid passed over the NOC Observatory In Enid. The bottom curve is directly from the NOC telescope and clearly shows the drop in light intensity as the asteroid passed in front of the star.



The Red & Silver Review

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NOC hosting 'Freshman Fridays' during April

NOC will be hosting "Freshman Fridays 2018" during the month of April at NOC Tonkawa, NOC Enid and NOC Stillwater.

Enrollment is open from 9 a.m. – 4 p.m. for the fall semester.

Potential NOC students may meet academic advisors, create a class schedule, speak with financial aid advisors, enjoy a tour of NOC, apply for residential housing and apply for scholarships. Students are asked to bring their high school transcript, ACT scores and other college transcripts, if applicable.

The dates are April 6, April 13, April 20 and April 27. If Fridays are not convenient, students may enroll anytime for Fall 2018.

For more information call NOC Tonkawa (580.628.6220), NOC Enid (580.548.2272) or NOC Stillwater (405.744.2246) for more information.

NOC Distinguished Alumni Award Recipients Chad Weiberg (left) and Bill McCloud (right) were inducted into the Northern Oklahoma College Distinguished Alumni Hall of Fame Saturday night at the Renfro Center at NOC Tonkawa. The distinguished alums were inducted by NOC President Cheryl Evans (center). There are now 42 members in the NOC Distinguished Alumni Hall of Fame. (photo by John Pickard/Northern Oklahoma College)



PTEC team qualifies for national skills competition

A NOC Process Technology team recently qualified for the North American Process Technology Alliance (NAPTA) Troubleshooting Skills Competition Championships at River Parishes Community College in Gonzales, Louisiana April 20-21.

The NOC team, named "The Crude Okies" earned a spot in the 10 team final through an on-line qualifying round.

Team members include Zac Swords (Captain), Gavin Flett, Greg Summitt, Josh Smith (Coach), Mark Goddard (Mentor) and Deon Allen (Alternate).

The competition simulates process technology problems and the students use their skills to solve the problem. "The ability to troubleshoot is exactly what employers want to see," said PTEC Director Frankie Wood-Black. "We are excited to have a team in the Top 10, that speaks well of the PTEC program at NOC."

The PTEC program is designed to provide students with entry level training to become a Process Technician in the petrochemical and power industry. The program was developed in 2000 through an Oklahoma State Regents three year grant in partnership with ConocoPhillips, British Petroleum, Sunoco, Valero, Sinclair, and other corporations.

This is NOC's second team to participate in the National Competition, in April 2012, another NOC PTEC Troubleshooting Competition Team participated in the First National Simulation Troubleshooting Shootout.



PTEC Team qualified for the North American Process Technology Alliance (NAPTA) Troubleshooting Skills Competition Championships Pictured (L-R): Josh Smith, Mark Goddard, Zac Swords, Greg Summitt. Not Pictured: Deon Allen. (photo by John Pickard/Northern Oklahoma College)

Chloe's Corner

Chloe Hughes, R&S Reporter

I don't know if you could tell, but I am mildly obsessed with personal growth. Although I know I will never be perfect, deep down that's what I'm going for. While self-improvement isn't such a bad thing, when you're me, it can get out of hand. Because I am a flawed human being, I mess up. This might not be earth shattering news to you, but to me, someone who is low-key trying to be perfect, it can be quite a hit to my morale.

I am not entirely sure where it started. I suppose, as a child, I had a natural propensity to be a deep thinker. Because of that, I was quickly labeled as "smart, creative, wise-beyond-her-years, a good girl, good student, and good example." Maybe I'm a bit of a self-fulfilling prophecy. A small natural inclination towards "thinking" (and a lot of people pleasing tendencies) combined with being labeled as a good, wise, role model was all it took to make me to the person I am today – constantly striving to be better, do better, and achieve more. But what happens when I fail? Even the slightest hint of correction or criticism that comes my way destroys the identity I've worked so hard to achieve: "smart, wise, strong, good," slips through my fingers like sand, and I'm left to try my best to pick up every grain that made up the illusion of perfection in my mind.

It is a frustrating way of life. I am never happy with myself or my decisions. There is always something that I should have done differently. No matter what, I could have done better. It is a discouraging way of life, a tiring way of life, and a hopeless way of life. There is no end to my flaws, no bottom to the pit, no light at the end. But I find peace in the words of John Steinbeck, "And now that you don't have to be perfect, you can be good."

Perfection is no longer the goal. I have messed up too bad and too often to ever think that I could be perfect. So as a nearly twenty-year-old woman, I have accepted that I will never be perfect. As sad as I thought I would be, I am only relieved. For the first time in my life, I can relax knowing that I don't have to be the best, I only have to be my best. I will be the best Chloe that I can be today. Tomorrow might not always be as good as yesterday, but I don't have to worry about it. One day at a time, one decision at a time, I will do my best. I don't need to be perfect, I am not expected to be perfect, and I will never be perfect. But I can and will be good.

Diemer Construction receives regents Business Partner Excellence Award

Diemer Construction in Tonkawa received an Oklahoma State Regents for Higher Education (OSRHE) Business Partner Excellence Award on March 13 in Edmond at a University of Central Oklahoma awards luncheon. This award is designed to highlight successful partnerships and to further cultivate the higher learning environment through the State Regents' Economic Development Grants.

For more than ten years, Northern Oklahoma College and Diemer Construction Company, LLC have enjoyed a partnership centered on higher education as well as on economic development. Since 2008, the company has provided endowed student scholarship support totaling over \$65,000 in contributions to the NOC Foundation. Bob Diemer and the late Carol Diemer founded their business on the principles of honesty, integrity and dedication to the local community.

As a proud and permanent part of the community since 1964, Diemer Construction continues to serve area businesses and citizens by providing quality dirt work, transportation and farming services.

The company employs more than 40 people.

Not only has Diemer Construction provided significant economic growth to the Tonkawa area through the formation and expansion of the family's businesses over the years, but the company also quietly donates time and money to many local organizations. The family is focused on building a legacy of local giving that benefits the infrastructure, education and services for all area citizens through its Diemer Family Foundation.

In 2017, the Carol Diemer Memorial Scholarship Fund was established to provide female students majoring in Business or Agriculture Business scholarship assistance at NOC Tonkawa. The partnership with Diemer Construction Company, LLC will continue to impact NOC as well as its students and programs for generations.

NORTHERN
Oklahoma College
Presents

GALA XXIII

Saturday 4.28.2018
7:30 PM

Gerald STEICHEN
Conductor

Jessica Medoff
Mezzo-Soprano

Tickets \$20
* General Admission (Nonrefundable)
* Ticket Office Opens April 9 9:00 am
Vineyard Library Administration Building
580.628.6214
Overflow tickets for the performance live streamed into KPAC Band Room 150 are available at no charge.

DINEO HEILMANN, Clarinet
SHANNON VARNER, Soprano
EDWARD DIXON, Tuba
BRANDON HAYNES, Bari-Tenor
CHAD ANDERSON, Tenor
ABIGAIL MACE, Piano
NOC COLLEGE CHOIR
THE GALA CHAMBER ORCHESTRA

Kinzel Performing Arts Center
Tonkawa, Oklahoma

Autism Spectrum Awareness

April 6, 2018
12-1 pm



GUEST SPEAKER
ROBIN ATKINSON, M.S.

30 Years' Experience
Early Childhood Special Education

Author

*Helping Your Child Live
with a Developmental Delay:
A Practical Guide to the Dos and Don'ts*



Increasing numbers of students diagnosed with Autism Spectrum Disorder (ASD) are entering higher education institutions, and that number is expected to significantly increase over the next decade. Once thought unqualified for post-secondary settings, students with ASD are meeting the requirements for admission, and institutions are faced with addressing the unique needs of these students. Specifically, transition, academic achievement and social skills deficits can create barriers for students with ASD. This workshop will attempt to discuss these barriers and summarizes how departments and colleges of education can get involved in the support process.

Join Us

Fountain Square 116 Stillwater

Live Stream

Renfro Center 112	Tonkawa
President's Conference Room	Enid
Cowboy Mall 175	Stillwater