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**NEW!**  
**DOWNLOAD THE INTERACTIVE PDF FOR LIVE LINKS TO MORE INFO**

**Parade of Planets**  
View these planets now through mid-February as they move across the sky

1  
**GIUSEPPE PIAZZI DISCOVERS CERES (1801)**

2  
**QUADRANTID METEOR SHOWER**  
Occasional fireballs radiate from near the Big Dipper

3  
**MOON - VENUS APPULSE**  
Best viewing dusk to 8pm

4  
**MOON - SATURN APPULSE**  
Best viewing dusk to 9pm

5  
**JUPITER'S MOON ELARA DISCOVERED (1905)**  
From Lick Observatory

6  
**FIRST QUARTER MOON**

7  
**GALILEO FIRST OBSERVES JUPITER'S MOONS (1610)**

8  
**EARTH ROTATION DAY**

9  
**FIRST EXOPLANETS ANNOUNCED (1992)**

10  
**MOON - JUPITER APPULSE**  
Best viewing dusk to 3am

11  
**VENUS AT DICHOTOMY**

12  
**MARS AT PERIGEE**

13  
**FULL Wolf Moon**  
**LUNAR OCCULTATION OF MARS**  
In Nashville: Blinks out at 8:04pm, reemerges 9:15pm

14  
**SHANNON LUCID BIRTHDAY (1943)**  
American biochemist and astronaut

15  
**MARS AT OPPOSITION**

16  
**FINAL COLUMBIA LAUNCH (2003)**  
Disintegrated 16 days later on re-entry

17  
**DELTA II CARRYING GPS IIR-1 SATELLITE EXPLODES (1997)**  
Drops 250 tons of debris

18  
**VENUS - SATURN APPULSE**  
Best viewing dusk to 8pm

19  
**Γ-URSAE MINORID METEOR SHOWER**

20  
**"BUZZ" ALDRIN BIRTHDAY (1930)**  
Second person on the Moon with Apollo 11

21  
**THIRD QUARTER MOON**  
**PLUTO AT SOLAR CONJUNCTION**

22  
**LOTTIE WILLIAMS IS FIRST PERSON HIT BY SPACE DEBRIS (1997)**

23  
**FINAL SIGNAL FROM PIONEER 10 (2003)**

24  
**FIRST APPLE MACINTOSH RELEASED (1984)**  
Cost \$2495

25  
**NASA DAY OF REMEMBRANCE**  
Apollo 1, Challenger, Columbia

26  
**HALE TELESCOPE AT PALOMAR OBSERVATORY SEES FIRST LIGHT (1949)**  
Under direction of Edwin Hubble

27  
**UN RATIFIES OUTER SPACE TREATY (1967)**

28  
**CHALLENGER DESTROYED AT LAUNCH (1986)**

29  
**NEW MOON**  
**LUNAR NEW YEAR**

30  
**VENUS AT HIGHEST EVENING ALTITUDE**  
**URANUS ENDS RETROGRADE MOTION**

31  
**MOON - SATURN APPULSE**

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**Local Featured Events**

4 6-8 PM **BSAS STAR PARTY AT SHELBY BOTTOMS NATURE CENTER**

15 7 PM **PUBLIC BSAS MEETING AT DYER + ONLINE**

More information about the observatory, events, resources, and how to reach us is available at [dyer.vanderbilt.edu](http://dyer.vanderbilt.edu).  
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ALL TIMES CENTRAL