

Target



Bright

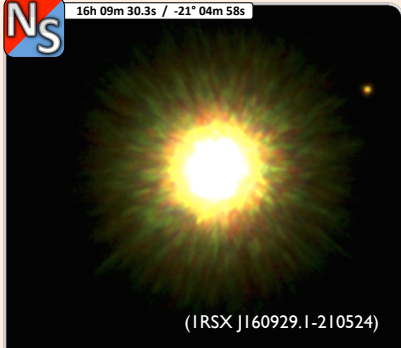


2h

Note: Becomes Bright/Primary target in AO mode.



16h 09m 30.3s / -21° 04m 58s



G 2020^p

www.gemini.edu

(IRSX J160929.1-210524)

www.gemini.edu/release-J160929

Gemini adaptive optics image of the star IRSX J160929.1-210524 and its likely ~8 Jupiter-mass companion. [NIRI+Altair]

4h



Bright/Primary



Target
AO mode

Target



Bright

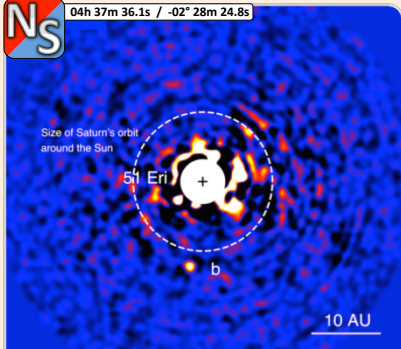


2h

Note: Becomes Bright/Primary target in AO mode.



04h 37m 36.1s / -02° 28m 24.8s



G 2020^p

www.gemini.edu

www.gemini.edu/release-51Eri-b

51 Eri b is a Solar System-like planet that has twice the mass of Jupiter and an atmosphere rich in methane. [GPI]

4h



Bright/Primary



Target
AO mode

Target



Bright



3h

Note: Becomes Bright/Primary target in AO mode.



--- Non-siderial target ---



(Saturn and Titan)

G 2020^p

www.gemini.edu

www.gemini.edu/release-titan

Saturn and Titan! What else needs to be said?! [NIRI + Altair]

5h



Bright/Primary



Target
AO mode

Target



Bright

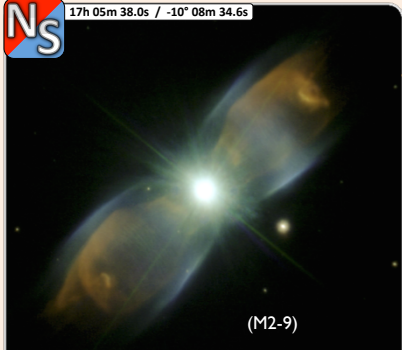


3h

Note: Becomes Bright/Primary target in AO mode.



17h 05m 38.0s / -10° 08m 34.6s



(M2-9)

G 2020^p

www.gemini.edu

www.gemini.edu/gallery

Our Sun might meet a similar fate in 4-5 billion years once its hydrogen nuclear fuel becomes scarce! [NIRI+Altair]

5h



Bright/Primary



Target
AO mode

Target



Bright



1h

Note: Becomes Bright/Primary target in AO mode.

N

10h 46m 36.8s / +63° 13m 25s



(NGC3359)

G 2020^p

www.gemini.edu

www.gemini.edu/gallery

NGC3359 is one of the most glorious examples of a spiral galaxy with the presence of a straight bar in the center. [GMOS-North]

3h



Bright/Primary



Target
AO mode

Target



Bright



1h

Note: Becomes Bright/Primary target in AO mode.

S

18h 23m 41s / -30° 21m 39s



(NGC 6624)

G 2020^p

www.gemini.edu

www.gemini.edu/release-NGC6624

Old star clusters help to better understand the formation and evolution of our Galaxy during its earliest development. [GSAOI + GeMS]

3h



Bright/Primary



Target
AO mode

Target



Secondary

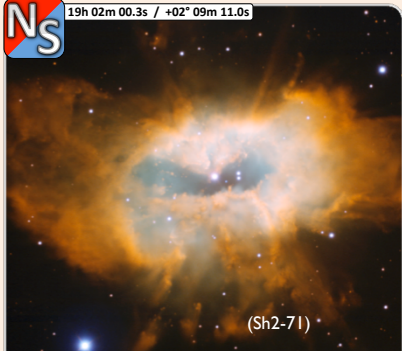


3h

Note: **2x**  = **1x** 

Ns

19h 02m 00.3s / +02° 09m 11.0s



(Sh2-71)

G 2020^p

www.gemini.edu

www.gemini.edu/release-Sh2-71

It remains unclear if the parent of this beautiful object is the brightest star near the center or the much dimmer and bluer star! [GMOS-N]

2h



Secondary



Target
Ao mode

Target



Secondary



4h

Note: 2x  = 1x 



18h 03m 24s / -27° 53m 00s



(NGC 6520)

G 2020^p

www.gemini.edu

www.gemini.edu/gallery

Young open cluster of massive stars. Its total mass sums to 300 to 400 times the mass of the Sun. [GMOS-South]

2h



Secondary



Target
Ao mode

Target



Secondary



2h

Note: **2x**  = **1x** 

N

00h 18m 22.6s / +30° 04m 34.4s



(NGC68, 70, 71 and 72)

G 2020^p

www.gemini.edu

www.gemini.edu/release-VV166

The galaxy group VV 166 is in the direction of the Andromeda constellation. [GMOS-North]

1h



Secondary



Target
AO mode

Target



Secondary



3h

Note: **2x**  = **1x** 

N

09h 09m 33.7s / +33° 05m 05s



(NGC2770)

G 2020^p

www.gemini.edu

www.gemini.edu/release-NGC2770

Three Type Ib supernovae have exploded in this galaxy recently: SN 1999eb, SN 2007uy, and SN 2008D (this image). [GMOS-North]

2h



Secondary



Target
AO mode

Target



Secondary

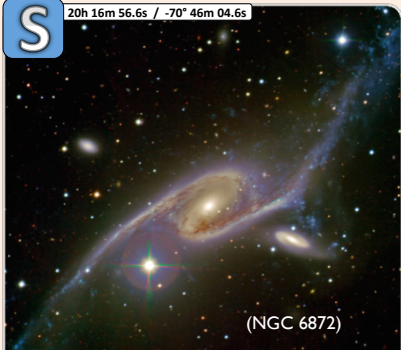


3h

Note: **2x**  = **1x** 

S

20h 16m 56.6s / -70° 46m 04.6s



(NGC 6872)

G 2020P

www.gemini.edu

www.gemini.edu/gallery

NGC 6872 (left) and companion galaxy IC 4970 (right) are locked in a tango as the two galaxies gravitationally interact. [GMOS-South]

2h



Secondary



Target
AO mode

Target



Secondary

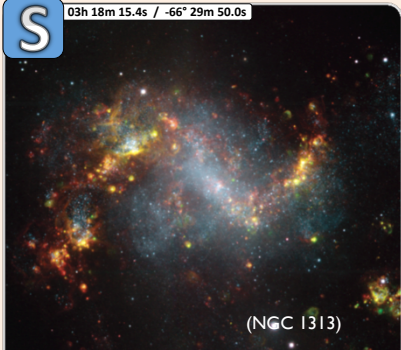


2h

Note: **2x**  = **1x** 

S

03h 18m 15.4s / -66° 29m 50.0s



(NGC 1313)

G 2020^P

www.gemini.edu

www.gemini.edu/release-NGC1313

Starburst galaxy NGC 1313 is a stellar incubator delivering stars on a scale rarely seen in a single galaxy of its size! [GMOS-S]

1h



Secondary



Target
AO mode

Target
AO mode



Primary

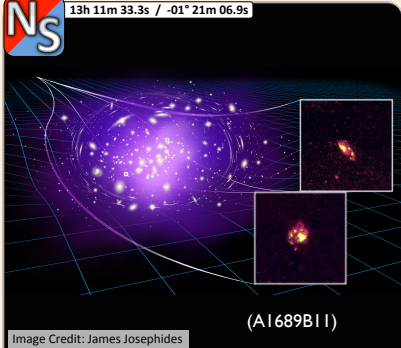


5h

High resolution: Can only be played in AO mode



13h 11m 33.3s / -01° 21m 06.9s



(A1689B11)

Image Credit: James Josephides

/release-A1689B11

A1689B11 is an extremely old spiral galaxy located in the Abell 1689 galaxy cluster. [Artist interpretation + NIFS]

G 2020[©]

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5h



Primary



Target
AO mode

Target



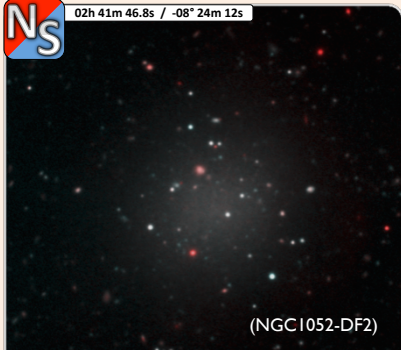
Primary



7h



02h 41m 46.8s / -08° 24m 12s



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(NGC 1052-DF2)

/release-NGC1052-CF2

NGC1052-CF2, an ultra-diffuse galaxy, appears to have almost no dark matter! [GMOS-North]

6h



Primary



Target
AO mode

Target



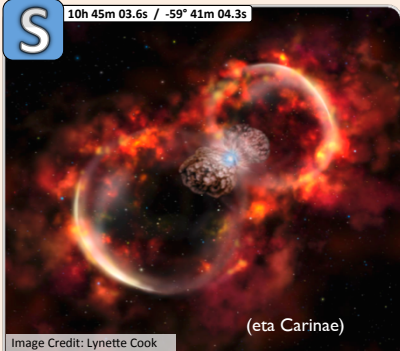
Primary



6h

S

10h 45m 03.6s / -59° 41m 04.3s



(eta Carinae)

Image Credit: Lynette Cook

G 2020^o

www.gemini.edu

/release-etaCar

The ejected material from the 1843 eta Carinae blast is the fastest ever seen from a star that survived a massive ejection. [Artist interpretation]

5h



Primary



Target
Ao mode

Target



Primary



6h

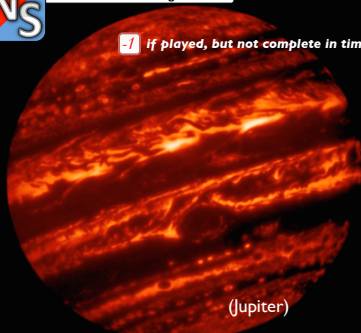
ToO: Complete before your next turn.



--- Non-sidereal target ---

-1

If played, but not complete in time.



(Jupiter)

G 2020^p

www.gemini.edu

www.gemini.edu/release-Juno

This 4.8-micron image was obtained on January 11, 2017, to support the NASA/JPL Juno spacecraft. [NIRI + Altair]

ToO: Complete before your next turn.

4h



Primary



Target
AO mode

Target



Primary



6h

ToO: Complete before your next turn.



13h 09m 48.1s / -23° 22m 53.3s



if played, but not complete in time.



(GW170817)

G 2020P

www.gemini.edu

www.gemini.edu/release-GW

The gravitational wave event GW170817 emitted optical and infrared light, and was the product of colliding neutron stars. [Flamingos-2]

ToO: Complete before your next turn.

6h



Primary



Target

Target



Primary



5h

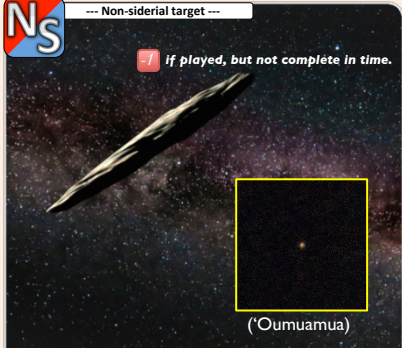
ToO: Complete before your next turn.



--- Non-siderial target ---



-1 if played, but not complete in time.



(‘Oumuamua)

G 2020^p

www.gemini.edu

/release-Oumuamua

‘Oumuamua is an object from outside our Solar System that passed near Earth in mid-October 2017. [Artist interpretation + GMOS-South]

ToO: Complete before your next turn.

5h



Primary



Target

Target



Primary



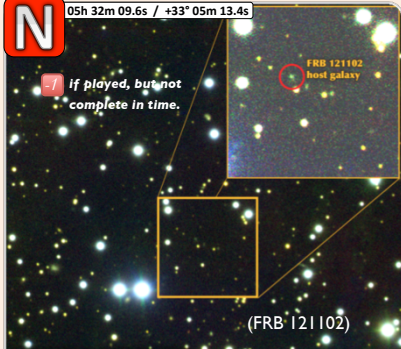
4h

ToO: Complete before your next turn.

N

05h 32m 09.6s / +33° 05m 13.4s

-1 *If played, but not complete in time.*



FRB 121102
host galaxy

(FRB 121102)

G 2020^p

www.gemini.edu

www.gemini.edu/release-FRB

The host galaxy for this Fast Radio Burst is a dwarf galaxy, which is only about 1% of the mass of the Milky Way [GMOS-North].

ToO: Complete before your next turn.

4h



Primary



Target