

- www.gemmi.edu/ded
- Each player picks or chooses randomly
 a role card
- Shuffle the Weather Deck and place it in front of Ist player (usually Inst. Eng.)
- Place Checkouts program card in the center of the table
- 4) Shuffle the Instrument Deck and reveal 2 instrument cards beside the deck
- 5) Shuffle the Player Deck and deal 5 cards to each player
- 6) Flip this card over and begin game



Seauence





2020





- Draw your hand up to 5 cards from Player Deck
- Use your role ability at any time during your turn Do one action (more if allowed by a card)
- Discard your entire hand
- Move an instrument
- Active a program Play a Target card
- Play a Time card on target if:
- Weather allows
- Target AO mode matches instrument Instrument type matches program type larget site matches instrument site
- If you completed a program, put it in score pile program for free, and discard the rest of cards) (You may move non AO instrument to new and program

Gemi<u>ni</u>

rd Game

Card Game

<u> Basic Game – 3 players</u>















.eau/crea



Complete ≥3 Band 1 Programs in 12 rounds. Game ends when all 12 turns are played Place a marker on the reputation track above or when reputation marker reaches the end space

End game:

If reputation marker is **not** on the end space -2 reputation / Band 1 program not completed (out of 3). all players win the game

Total up points to determine victory rating.

160	120	Points
Good	Not Bad	VICTORY

310	ő	ő	ŏ	0	į
Epic	Fantastic	Great!	Good.	Not Bad	A LOUND

Card Game

<u>Basic Game – 2 or 4 players</u>







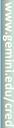








2020F



Complete ≥4 Band 1 Programs in 12 rounds.

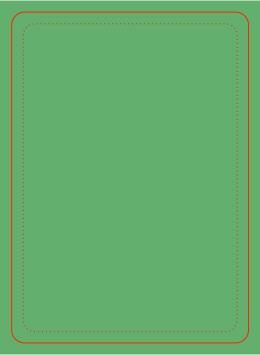
Place a marker on the reputation track above Game ends when all 12 turns are played or when reputation marker reaches the end space

End game:

-2 reputation / Band 1 program not completed (out of 4) If reputation marker is **not** on the end space all players win the game

Total up points to determine victory rating.

		Ÿ			
> 420	380	310	220	160	Points
Epic	Fantastic!!!	Great!	Good.	Not Bad	Victory





www.gemini.edu/gmos

Gemini Multi-Object Spectrograph (North & South):

- * imaging over a 5.5'x5.5' field of view
- * spectroscopy 0.35-1.03 um, R~600-4400 in long- or multi-slit (MOS) mode
- * can be used with an Integral Field Unit (IFU)



Imaging & Spectroscopy For imaging or spectroscopic programs

AO mode Unavailable

Cannot be played with an AO system card www.gemini.edu





www.gemini.edu/gnirs

Gemini Near Infra-Red Spectrograph (North):

- * long-slit spectroscopy R~1700, 5900, 18000 in I, H, K, L or M band (0.8-5.4 um).
- cross-dispersed w/ I, H and K simultaneously at R~1700 (partial coverage at higher res.).



Spectroscopy

For spectroscopic programs only

AO mode Available

Can be played with an AO system card www.gemini.edu





/gems

/gsaoi

Gemini South Adaptive Optics Imager (South): * diffraction limited in ages in $0.9 - 2.5 \mu m$

* 85" x 85" field-of-view (0.02"/pixel)

* 22 narrow and broad-band filters

* highly uniform PSF across the field-of-view!



Imaging

For imaging programs only

AO mode Enabled

Does not require an AO system card.



Instrument

NIFS





www.gemini.edu/nifs

Near-infrared Integral Field Spectrograph (North):

- * IFU spectroscopy 0.95-2.40 µm, R~5000
- * field of view of 3.0"x3.0"
- * spatial resolution of 0.1" with AO
- * can be used with a coronograph



Spectroscopy (IFU mode) For spectroscopic programs only

AO mode Available

Can be played with an AO system card www.gemini.edu





www.gemini.edu/niri

Near Infra-Red Imager (North):

* imaging 1-5 µm

Pix scale ("/pix)=	0.022	0.050	0.117
FOV (arcsec sq)=	22	51	120

* 8 broad-band, 21 narrow-band filters



Imaging

For imaging programs only

AO mode Available

Can be played with an AO system card www.gemini.edu





www.gemini.edu/f2

Flamingos-2 (South):

- * imaging over a 6.1' diameter field of view
- * spectroscopy 1.0-2.4 μm, R~250-3000
- * designed for multi-slit (MOS) spectroscopy



Imaging & Spectroscopy For imaging or spectroscopic programs

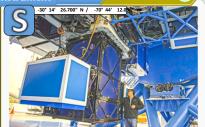
AO mode Unavailable

Cannot be played with an AO system card www.gemini.edu









www.gemini.edu/gpi

Gemini Planet Imager (S<mark>outh):</mark>

- * extreme AO imaging, 0.9-2.4 μm
- * polarimeter/IFU spectrometer (R~40 in H)
- * contrast of 10⁻⁶ at sep<mark>arations of 0.2-1"</mark>
- * bright natural guide sta<mark>r (I<9mag)</mark>



Imaging & Spectroscopy
For imaging or spectroscopic programs

AO mode Enabled

Does not require an AO system card. www.gemini.edu



2020

AO System

Altair





www.gemini.edu/altair

Altair (North):

- * Diffraction limited imaging using NGS mode
- * Laser guide star (LGS) for fainter targets
- * Super-seeing (~0.25") using LGS+P1 mode

Cannot be moved between programs. Discard to bottom of the instrument deck after the program is complete.

Gemini North AO system

Enables a Gemini North instrument's AO mode. www.gemini.edu





Program

$\mathsf{Checkouts}$





Calibration observations are required to align the optics each time an instrument is installed.



Requires an instrument (target already attached).

Time cards cannot be played on other programs before Checkouts are complete.













www.gemini.edu/ISS

www.gemini.edu

2020

Poor Weather





Proposals for programs under poor seeing or thick clouds can be submitted at anytime!



(target already attached).

+2 points per hour.















poorweather www.gemini.edu





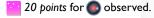




Spectroscopic program

Can only use instruments that have spectroscopic capability (in AO mode or not).





-30 points if 0 observed.

/expectations

Band 1 programs take the highest priority.
Our first goal is to complete as many, and as soon as possible.

















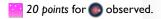




Imaging program

Can only use instruments that have imaging capability (in AO mode or not).





-30 points if 0 observed.

www.gemini.edu/Classical

A backup list of targets for Classical programs must be described which can use poorer conditions.















Band 1 🝥 🗬 💝



Spectroscopic program

Can only use instruments that have spectroscopic capability (no AO mode).



- 📔 20 points for 🌑 observed.
- -20 points if 0 observed.

www.gemini.edu/PV

Priority Visiting observers sit in the control room and elect when to carry out their program or to run the queue.

www.gemini.edu

Band















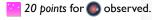




Imaging program

Can only use instruments that have imaging capability (in AO mode).





-20 points if 0 observed.



Gemini may subsidize the travel expenses of an individual student, or other early-career observer, when accompanied by an advisor.

Band

















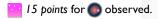




Imaging program

Can only use instruments that have imaging capability (in AO mode or not).





-15 points if 0 observed.

/expectations

Band 2 programs have lower priority, but are intended to be executed to as of a high completion rate as possible.



















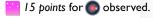




Spectroscopic program

Can only use instruments that have spectroscopic capability (in AO mode or not).





-10 points if 0 observed.



All Band 1 and 2 PIs are invited to eavesdrop if they wish, via the email announcing they have been granted time.























Spectroscopic program

Can only use instruments that have spectroscopic capability (in AO mode or not).



10 points for observed.

-15 points if 0 observed.



Rapid ToO observations must be executed within 24 hours. Standard ToO ones can be executed at any time after the trigger.























Imaging program

Can only use instruments that have imaging capability (in AO mode).





-10 points if 0 observed.

www.gemini.edu/Change

Requests for significant changes must be made by the PI to the Head of Science Operations for the relevant telescope.





















Spectroscopic program

Can only use instruments that have spectroscopic capability (no AO mode).



- 10 points for Pobserved.
- -0 points if 0 observed.

/expectations

Band 3 programs are fillers, which should, in order to get data, be able to take worse observing conditions.





















Spectroscopic program

Can only use instruments that have spectroscopic capability (no AO mode).



- 10 points for P observed.
 - -0 points if 0 observed.

www.gemini.edu/Band3

In Band 3, try to relax the observing constraints, avoid oversubscribed R.A.s, and use commune instrument configurations.

















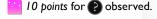




Imaging program

Can only use instruments that have imaging capability (no AO mode).





-0 points if 0 observed.

www.gemini.edu/Band3

In Band 3, get your Phase II ready early, be flexible with your targets, prioritize your observations, and choose a bright guide stars.

















Note: Becomes Bright/Primary target in AO mode.

16h 09m 30.3s / -21° 04m 58s

www.gemini.edu

(IRSX J160929.1-210524)

www.gemini.edu/release-J160929

Gemini adaptive optics image of the star 1RSX [160929.1-210524 and its likely ~8 Jupiter-mass companion. [NIRI+Altair]

🔘 Yasmin9\thgin8 💁





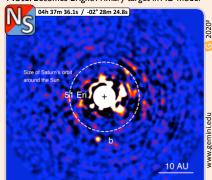


Bright





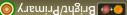
Note: Becomes Bright/Primary target in AO mode.



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]







ebom OA







Note: Becomes Bright/Primary target in AO mode.



(Saturn and Titan)

www.gemini.edu/release-titan

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



🔘 Ynsminght(Planary 🔘











Note: Becomes Bright/Primary target in AO mode.

17h 05m 38.0s / -10° 08m 34.6s

www.gemini.edu

(M2-9)

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]



🔵 YnsmirY/Primary 🌘







🍅 Bright





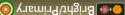
Note: Becomes Bright/Primary target in AO mode.



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]







abom OA









Note: Becomes Bright/Primary target in AO mode.



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]



🔘 YnsminY\zhginB 💽



ebom OA Target

Target







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]



🔊 Secondary 🎯













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]



⊘γscondary **⊘**



ebom OA Target









00h 18m 22.6s / +30° 04m 34.4s

(NGC68, 70, 71 and 72)

www.gemini.edu/release-VV166

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



🔊 Secondary 🎯













www.gemini.edu/release-NGC2770

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



🥏 Secondary 🎯





Secondary (S) 3h







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]



🔊 Secondary 🎯









Note: 2x 🔵 = 1x 💿

03h 18m 15.4s / -66° 29m 50.0s (NGC 1313)

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]



🔊 yecondary 🎯





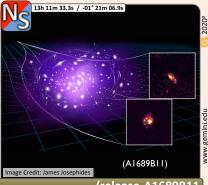


Primary





High resolution: Can only be played in AO mode



/release-A1689B11

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



Primary



tegraT Mom QA





Primary







/release-NGC1052-CF2

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







ว่อฐาธT ebom OA Target



Primary







/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



Primary







Primary 🕲





ToO: Complete before your next turn.



if played, but not complete in time.



www.gemini.edu/release-Juno

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

Too: Complete before your next turn.



Primary







Primary





ToO: Complete before your next turn.



13h 09m 48.1s / -23° 22m 53.3s

if played, but not complete in time.

(GW170817)

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.







Target





Primary





ToO: Complete before your next turn.



/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.







Target



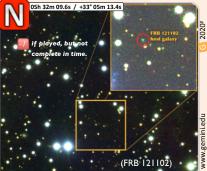


Target Primary (S)





ToO: Complete before your next turn.



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.





Primary



Target

1 hour

+1h



www.gemini.edu/Overheads

+1 observed hour

Can only be played on the active target of a program, when all the conditions are met

Depending on the instrument, acquisition time in the imaging mode is around 6 minutes.



1 hour





www.gemini.edu/Overheads

+I observed hour

Can only be played on the active target of a program, when all the conditions are met.

Depending on the instrument, acquisition time in the spectroscopic mode is around 15 minutes.



1 hour

+1h



www.gemini.edu/Overheads

+I observed hour

Can only be played on the active target of a program, when all the conditions are met.

When using the peripheral wave-front sensor, it is necessary to re-acquire the target every 45 min.



1 hour

+1h



www.gemini.edu/AO

+I observed hour

Can only be played on the active target of a program, when all the conditions are met.

Adaptive optics (AO) forms an integral part of the Gemini's current and future suite of instrumentation.



1 hour

+1h



www.gemini.edu/GCAL

+I observed hour

Can only be played on the active target of a program, when all the conditions are met.

The GCAL optics illuminate the instrument pupil in the same way as light from an astronomical source.



1 hour

+1h



www.gemini.edu/Telescopes

+I observed hour

Can only be played on the active target of a program, when all the conditions are met.

Know your Gemini telescopes!

(Mirrors, Plate scale, Focal plane, Throughput, etc...)



2 hours

+2h



www.gemini.edu/PIT-tutorial

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met

Nighttime calibration has to be added to the requested Time, but is charged to the partner, not to your program.



2 hours

+2h



www.gemini.edu/PIT-tutorial

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met

The Problem section in PIT lists missing items. Double clicking on an entry will take you to the relevant section.



2 hours

+2h



www.gemini.edu/PIT-tutorial

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met

Sections like the Science and the Technical Justifications are prepared separately in a .tex or Word template.



2 hours

+2h



www.gemini.edu/OT-tutorial

+2 observed hour

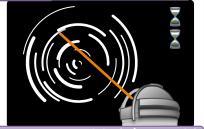
Can only be played on the active target of a program, when all the conditions are met.

Define your target parameters (SED, spectral type, etc.) in the OT, so you may use the embedded ITC.



2 hours

+2h



www.gemini.edu/OT-tutorial

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Make sure to Sync your program in the OT after you edit it. Or revert to the previous version, if needed.



2 hours

+2h



www.gemini.edu/OT-tutorial

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met.

If the OT could not find a guide star automatically for any angle, ask your support scientist for help.



2 hours





/phaseII-checklist

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Weather is often variable: consider constraints tradeoffs, if it does not compromise your science goals.



2 hours





/phaseII-checklist

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Program Notes are an important and useful way to communicate with our observers.



2 hours





/phaseII-checklist

+2 observed hour

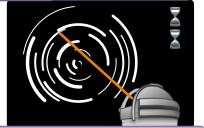
Can only be played on the active target of a program, when all the conditions are met.

Providing accurate and useful finding charts optimizes the time spent in acquisition and aids in program completion.



2 hours

+2h



/phaseII-checklist

+2 observed hour

Can only be played on the active target of a program, when all the conditions are met.

If you trigger a rapid ToO, make sure to indicate whether or not an immediate slew is necessary.



3 hours

+3h



www.gemini.edu/DR

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Data from Gemini facility instruments are stored as Multi-Extension FITS (MEF) files.



3 hours





www.gemini.edu/DR

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Check your data soon after they were taken, so you may get a chance to have them re-observed in case of problems!



3 hours

+3h



www.gemini.edu/DR

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Garbage in, garbage out: a quick visual inspection of your data before reduction can save you time.



3 hours

+3h



www.gemini.edu/DR

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

There are many resources available to help with data reduction (tutorials, examples, cookbooks, etc.).



3 hours





www.gemini.edu/help

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Contact the Observatory and/or the NGO for any help you may need with your proposal, program or data.



3 hours





www.gemini.edu/GOA

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

All Gemini raw data and some processed data are distributed via the Gemini Observatory Archive.



3 hours

+3h



/acknowledgments

+3 observed hour

Can only be played on the active target of a program, when all the conditions are met.

Don't forget to acknowledge the Gemini Observatory in your publications;)



5 hours





www.gemini.edu/eavesdropping

+5 observed hour

Can only be played on the active target of a program, when all the conditions are met.

-1

Complete a program the state of the state o

Remote Eavesdropping is a great way to be a live part of your observations, without having to travel!

5 hours





www.gemini.edu/Classical

+5 observed hour

Can only be played on the active target of a program, when all the conditions are met.



Complete a program * (*)
If used under Great or Best conditions on a program that is not complete at the end this

We strongly encourage the classical observer to meet with their support scientist assigned to the program.

round, you lose a reputation point.



Software Engineer



www.gemini.edu/jobs

"I write software for the telescope and instruments and make sure that everything works as expected. I have a degree in Physics with a specialization in computer science."

"I worked for 10 years at CTIO before moving to Gemini to participate to the construction and commissioning on the GN and GS telescopes. I have spent pretty much my whole professional career working in observatories and I cannot imagine working in any other environment!"



Pedro Gigoux

Once per round, the Software Engineer can swap or move instruments between programs, free of action.



Instrument Engineer



www.gemini.edu/careers

"En Gemini desarrollo proyectos tecnológicos específicos en el Grupo de Electrónica e Instrumentación."

"De esta manera, no sólo participo en la mantención operacional del telescopio, sino también, en la planificación y puesta en marcha de nuevos conceptos. "



Vanessa Montes

Once per round, the Instrumentation Engineer can move a face up instrument from the instruments deck to a program, free of action.



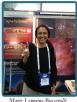
International Time Allocation Committee Chair 🖴



www.gemini.edu/jobs

"The International Time Allocation Committee (ITAC) Chair is responsible for the proposals process, from publishing the general call for proposals to generating the queue of programs at both telescopes. I like what I do, and I strive to doing it well!"

"I put all my passion and energy in building the future of Gemini. I am exited about the science that will be enable by JWST and the ELTs on the study of high redshift galaxies."



Once per round, the ITAC Chair can search the draw pile for a program of a Band not already in play, and pass it to a player of their choice, free of action. Reshuffle the draw pile after.



Core Queue Coordinator



www.gemini.edu/careers

"My job as a scientist working at Gemini is to ensure other astronomers using our telescope get the data they need for their research "

"I also study old stars, to understand what will happen to our Sun when it gets older. I also research high-energy physics and the age of the Universe. When I do research, there is no greater joy than being the first to learn or discover new things that adds to the knowledge for us all!"



Once per round, if there are no Band 1 programs active, the Core QC can search the draw pile for the first Band 1 program from the top. and activate it, as their action. Reshuffle the draw bile after.



Science Operation Specialist



www.gemini.edu/jobs

"As an SOS my position consists of both day and night work. During the **night**, I am either operating the telescope (slewing, setting up on guide stars, and fixing any problems that occur) or observing (determining what programs in the Queue are suitable to run in the current conditions, checking real-time data, and logaina events)."

"During my **project time** I am helping with the installation of the laser quide star system!"



Christy Cunningham

Once per round, the SOS may play up to 2 time cards on a given target, or 2 target cards on 2 different active programs, as a single action.



Science Operation Specialist



www.gemini.edu/careers

"As an SOS my position consists of both day and night work. During the day, I am involved in science data assessment and quality control, instruments calibration, maintenance of a data pipeline, software testing, systems engineering work, and creating images for public outreach and press releases."

"My position allows me the opportunity to be involved in many different projects, to learn new skills, and to be a part of cutting edge science and scientific breakthroughs."



Jennifer Miller

Once per round, the SOS may play as many 1 hour cards as they want, in whichever way they want, as a single action.



Science User Support Dep. Intern



www.gemini.edu/jobs

"I'm a 20YO undergraduate student who found an opportunity to work as an intern at the Gemini Offices in both Hilo and La Serena over the course of 8 months!"

"My job focuses on data reduction software development and testing, contributing to the Science User Support Department (SUSD). Data reduction development is important so our users receive software that is not only robust but also easy to maintain and extend."



Ivan Sharankov

The SUSD Intern plays with a 6 card hand instead of 5.

2020^p

Project Support Specialist



www.gemini.edu/careers

"I enjoy my work as a member of the Project Management Office supporting Gemini projects."

"I am a social worker and teacher by training and worked in loads of different types of non profit organizations. I love working with different personalities and have come to appreciate everyone has something to offer the organization and to each other. Being positive motivates me and hope that rubs off on everyone I work with."



Catherine Blough

The Project Support Specialist draws their hand to 5 cards at the end of their turn, rather than at the start of the next one.

Weather Condition

Best



For this round



- o you can observe any target
- o you can use any mode
- each player may take 2 actions on their turn

Band 1 completions

if you do not complete one Band 1 program during this round



observing-condition-constraints

Cloud Cover (CC) 50%: Photometric conditions Image Quality (IQ) 20%: ~0.6" in optical, ~0.4" in NIR



Weather Condition

Great





For this round

- o you can observe any target
- . you can use any mode

Band 1 completions

If you do not complete one Band 1 program during this round



/observing-condition-constraints

Cloud Cover (CC) 50%: Photometric conditions Image Quality (IQ) 70%: ~0.8" in optical, ~0.6" in NIR



Weather Condition

Great





For this round

- . you can observe any target
 - o you can use any mode



/observing-condition-constraints

Cloud Cover (CC) 50%: Photometric conditions Image Quality (IQ) 70%: ~0.8" in optical, ~0.6" in NIR

Good











. you cannot observe Primary targets

. you can only use AO on Bright/Primary targets



observing-condition-constraints

Cloud Cover (CC) 70%: Thin Cirrus, 0.3 mag ext Image Quality (IQ) 70% : ~0.8" in optical, ~0.6" in NIR Condition

Poor



For this round





. you can only observe Bright targets . you cannot use AO



observing-condition-constraints

Cloud Cover (CC) 80%: Thick Clouds, ~1 mag extinction Image Quality (IQ) 85%: ~1.05" in optical, ~0.8" in NIR





Earthquake! 🔕

IV Región

No observations at Gemini South this round

Gemini North keeps last round's conditions

If drawn on first round, discard and take another

www.gemini.edu/CPweather

Era solo un temblorsito..

www.gemini.edu

Image Credit: https://earthquake.usgs.gov

Special Condition

Storm!



No observations at Gemini North this round

Gemini South keeps last round's conditions

If drawn on first round, discard and take another

www.gemini.edu/MKweather

Yes! Hawai'i does get snow sometimes...



Special Condition

Shutdown



Shutdown scheduled at Gemini North next round

This round: Turn a new weather card.

No observations at Gemini North.

/observing-condition-constraints

Because a telescope doesn't just fix itself!





Shutdown



Shutdown scheduled at Gemini South next round

This round: Turn a new weather card.

No observations at Gemini South.

/observing-condition-constraints

Because a telescope doesn't just fix itself!

