

PRESS CONFERENCE:
29 and counting: Latest
NASA Juno Mission
science results

Friday, 11 December

11:00 am US Eastern Time

AGU FALL
MEETING

SHAPING
THE FUTURE
OF SCIENCE

PANELISTS

- **Heidi Becker**, NASA Jet Propulsion Laboratory
- **Scott Bolton**, Southwest Research Institute
- **Tristan Guillot**, Observatoire de la Côte d'Azur / CNRS, France
- **Candice Hansen**, Planetary Science Institute

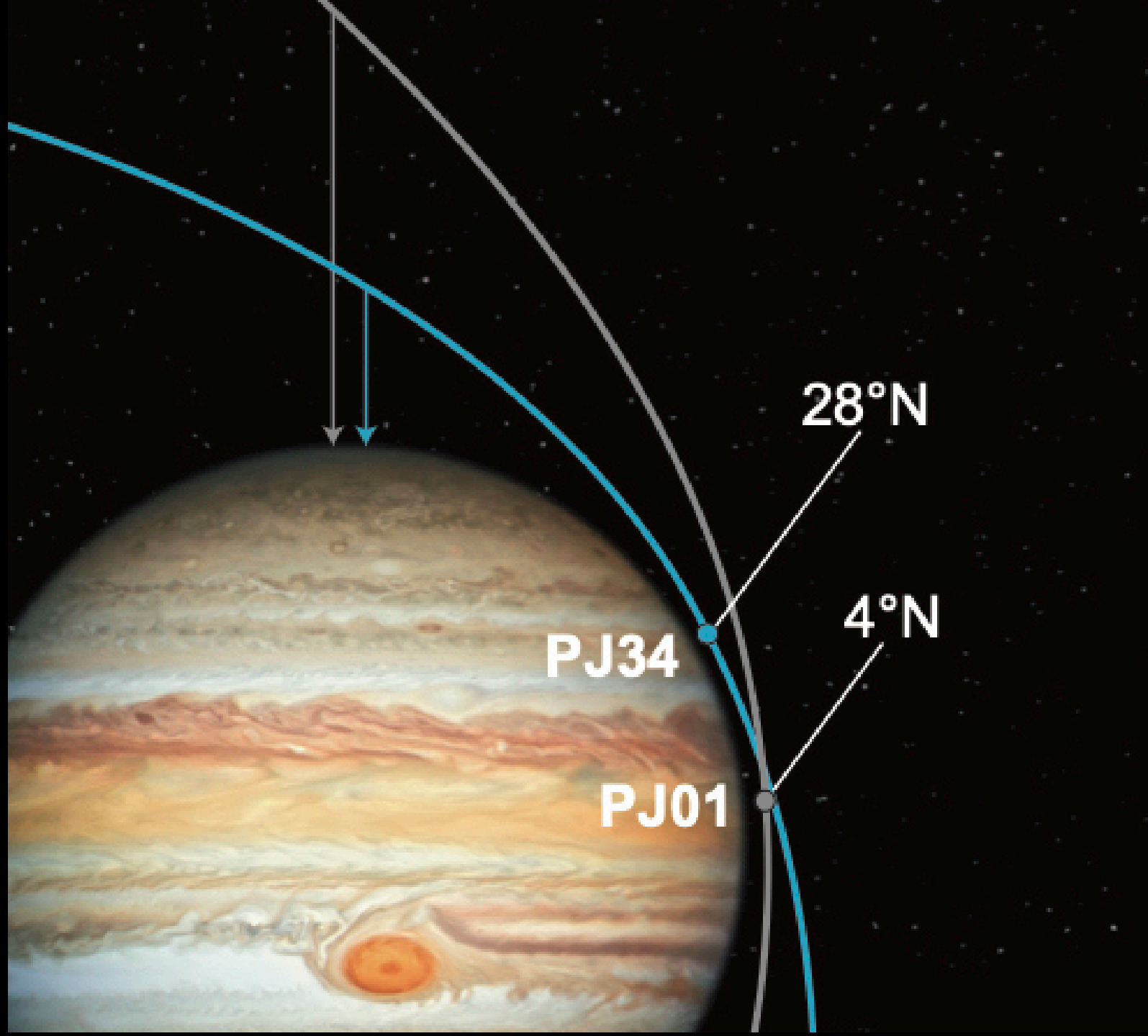
INFORMATION FOR REPORTERS

- Slides from this presentation are available in the Fall Meeting Media Center:
<https://www.agu.org/Fall-Meeting/Pages/Attend/Media-Center>
- A recording of this event will be posted to AGU's YouTube channel:
<https://www.youtube.com/c/AGUvideos>
 - Playlist "Fall Meeting 2020 Press Conferences"
- An informal, 30-minute discussion room via Zoom will follow this event:
 - Link will be posted in this event's chat box
 - Meeting ID: 962 1469 2326
 - Passcode: agupress
- Questions: Email news@agu.org

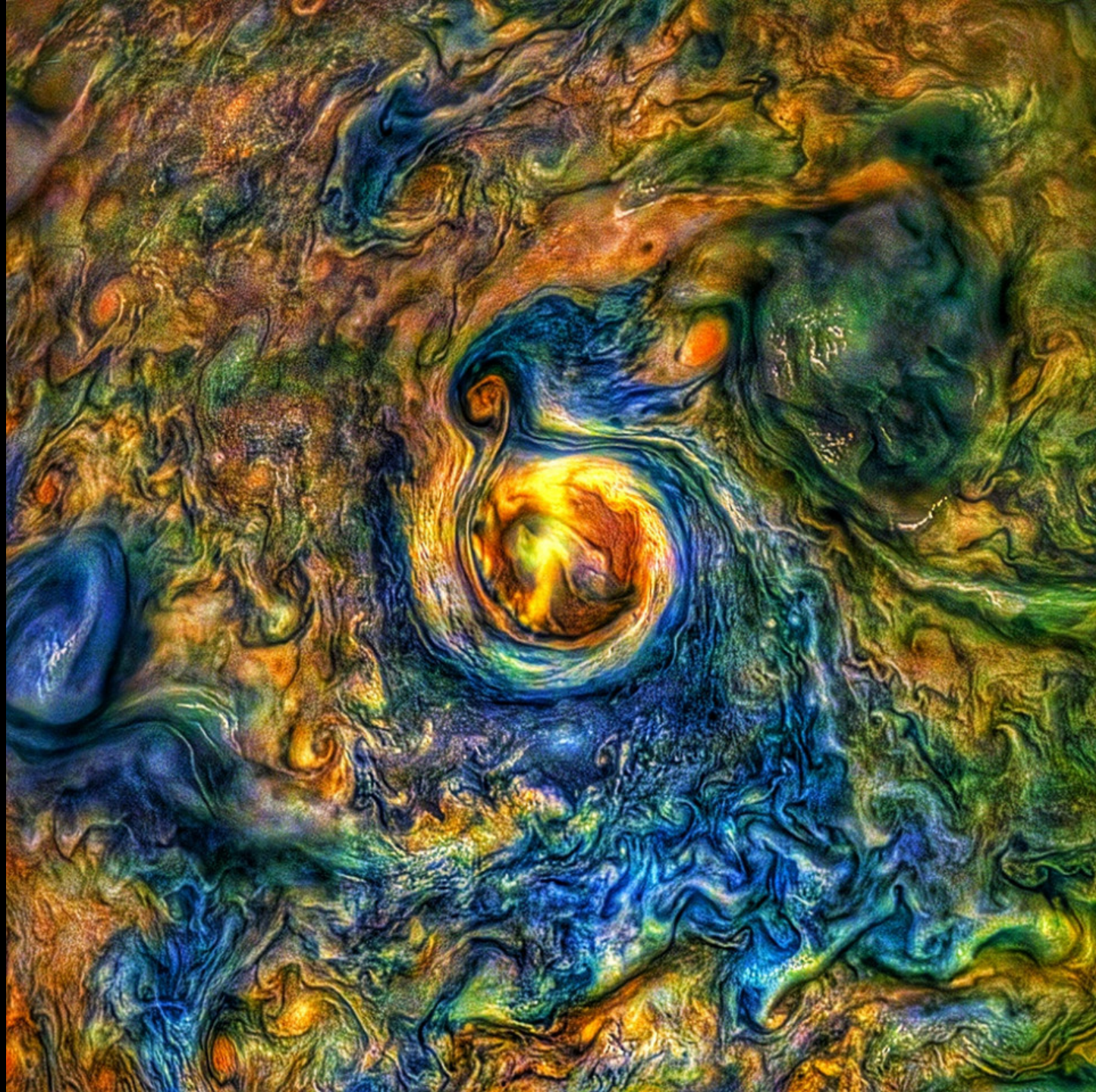
Scott Bolton

Juno Principal Investigator
Southwest Research Institute







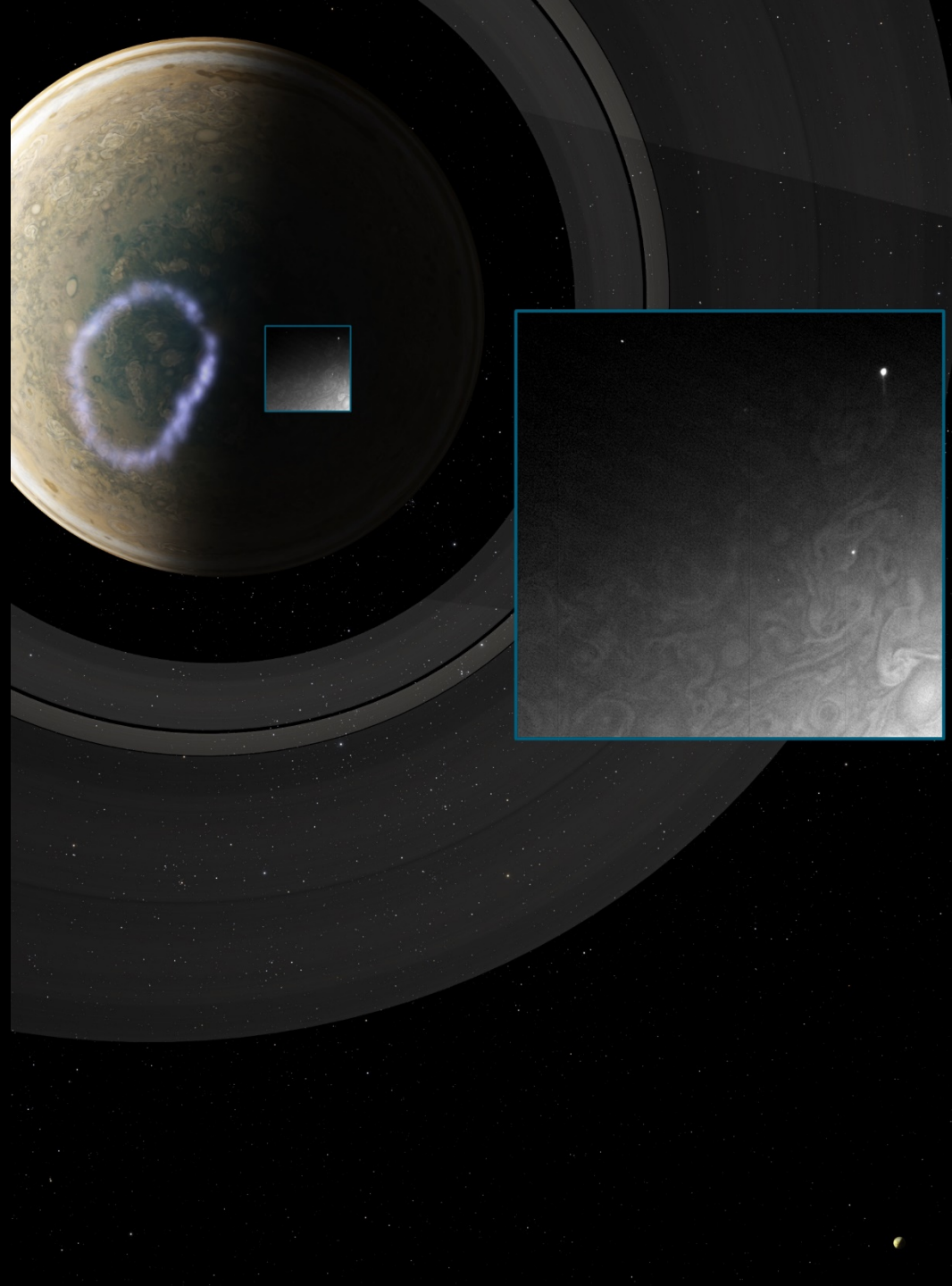


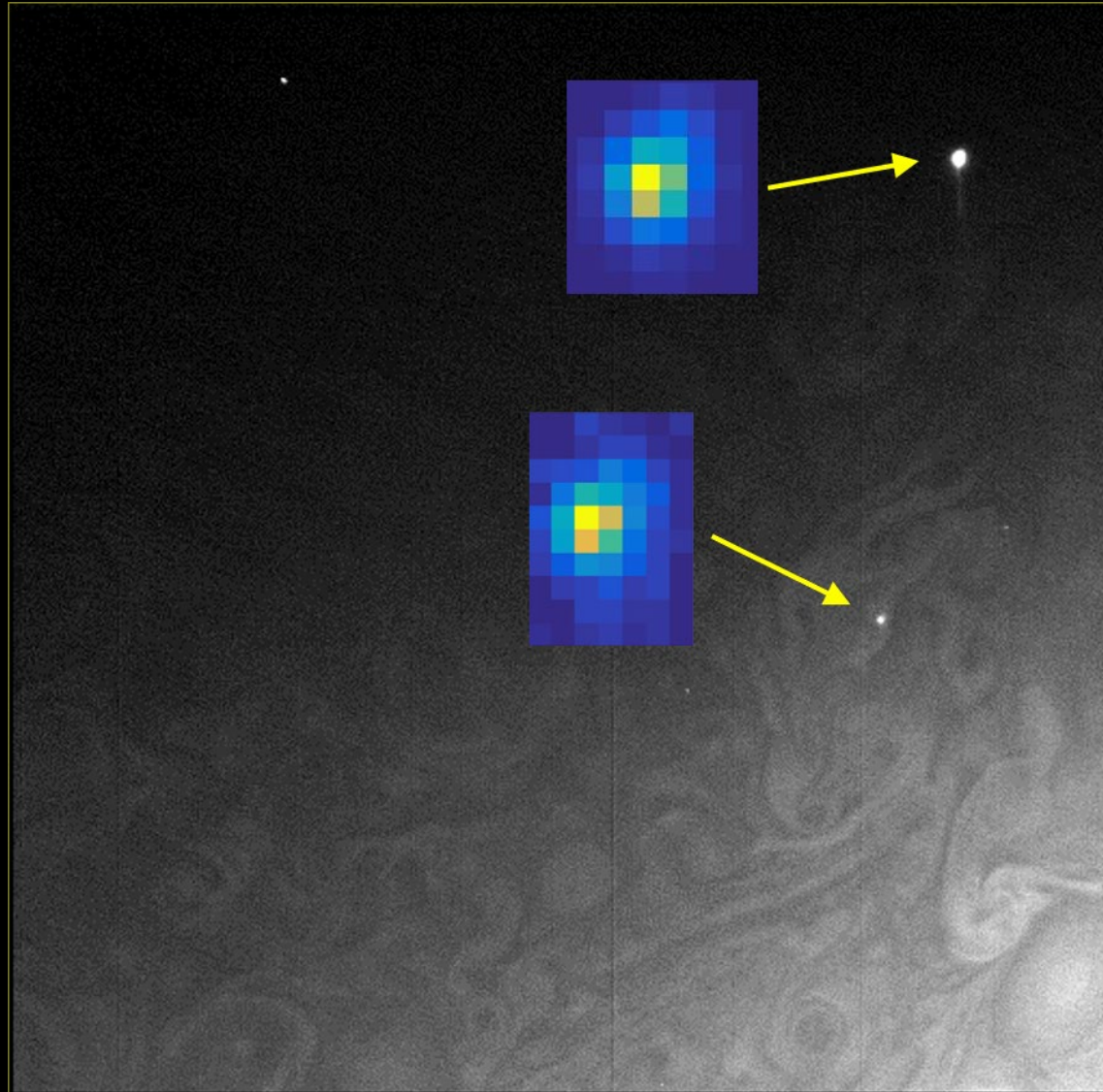
Heidi Becker

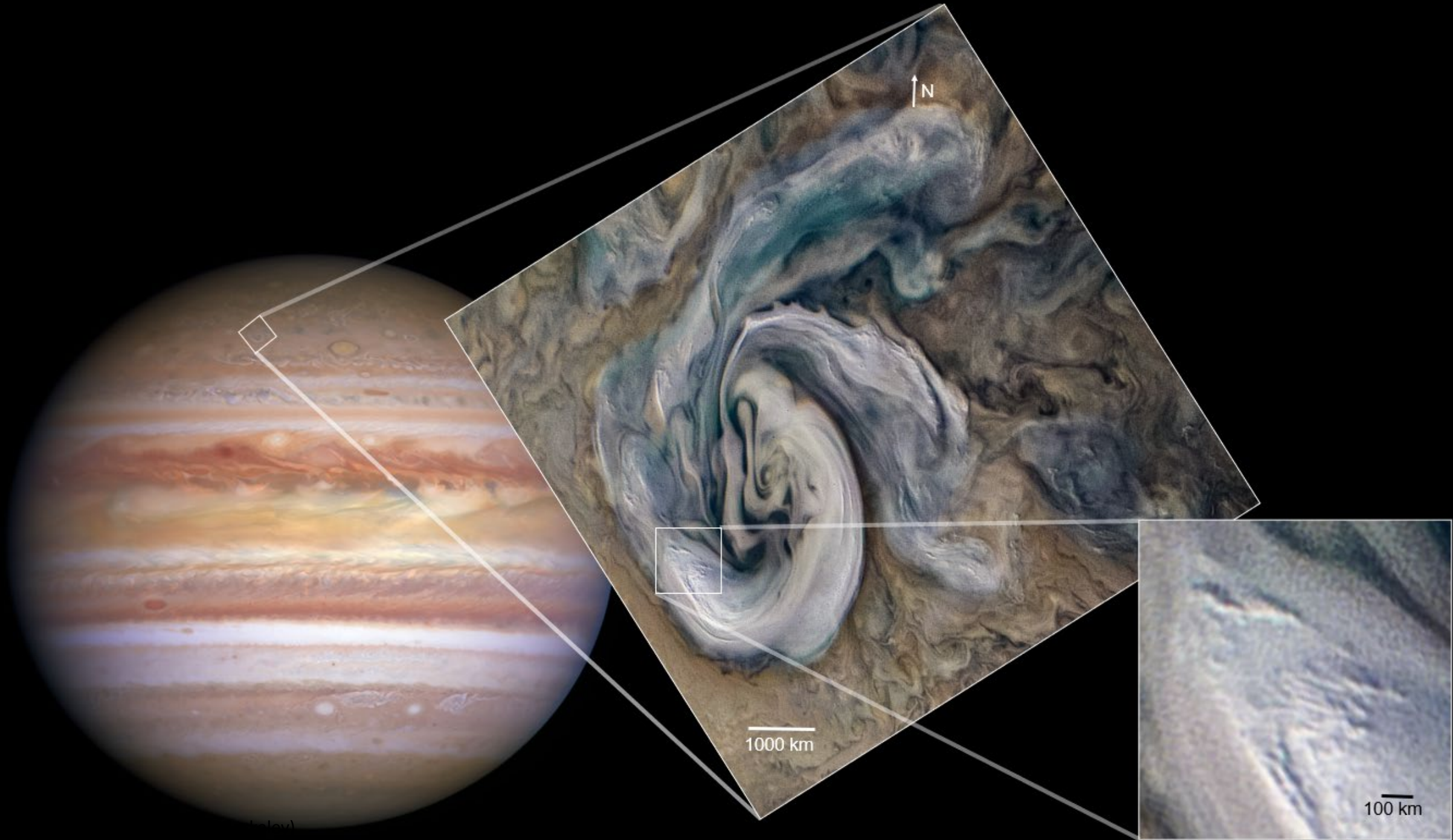
Juno Radiation Monitoring
Investigation Lead
Jet Propulsion Laboratory









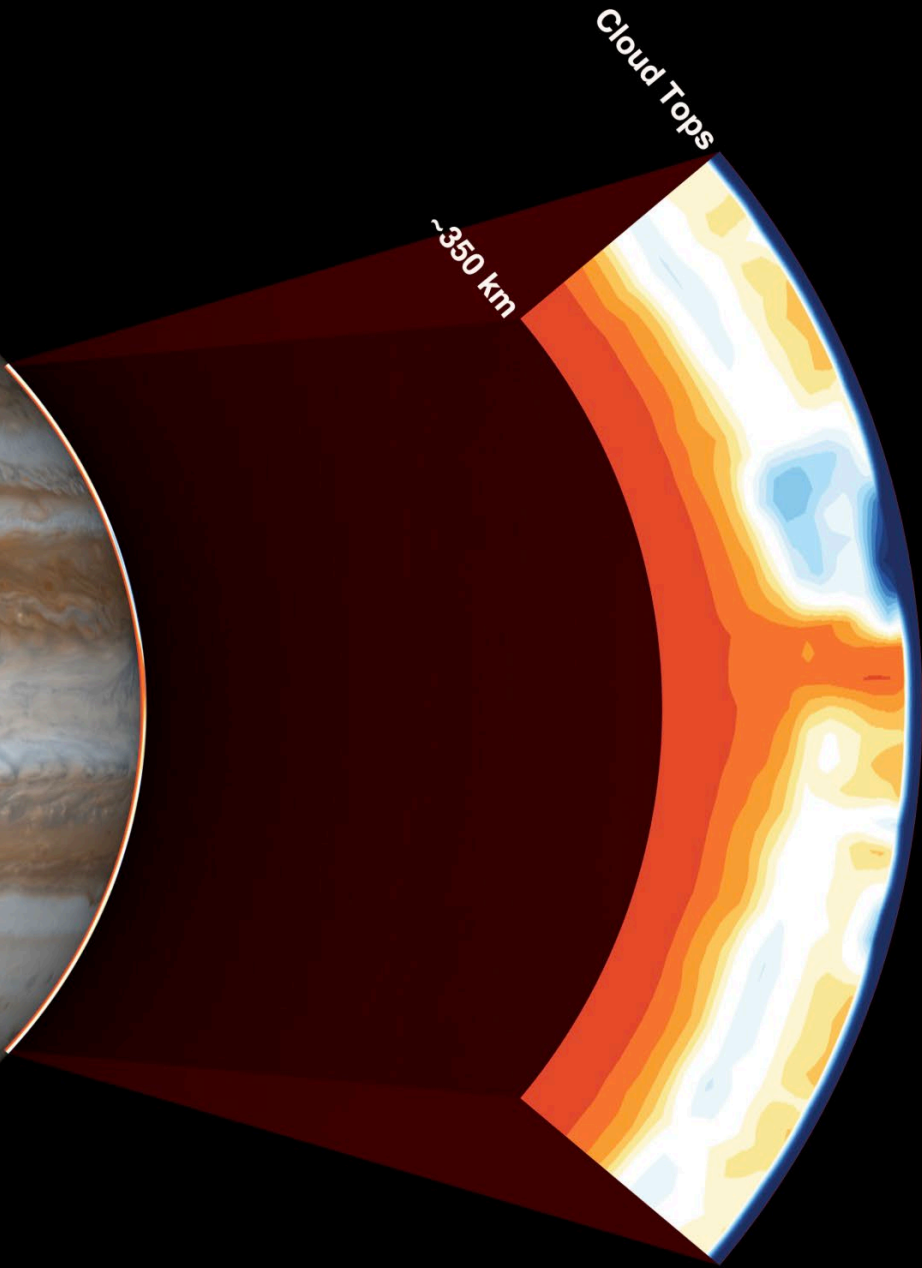
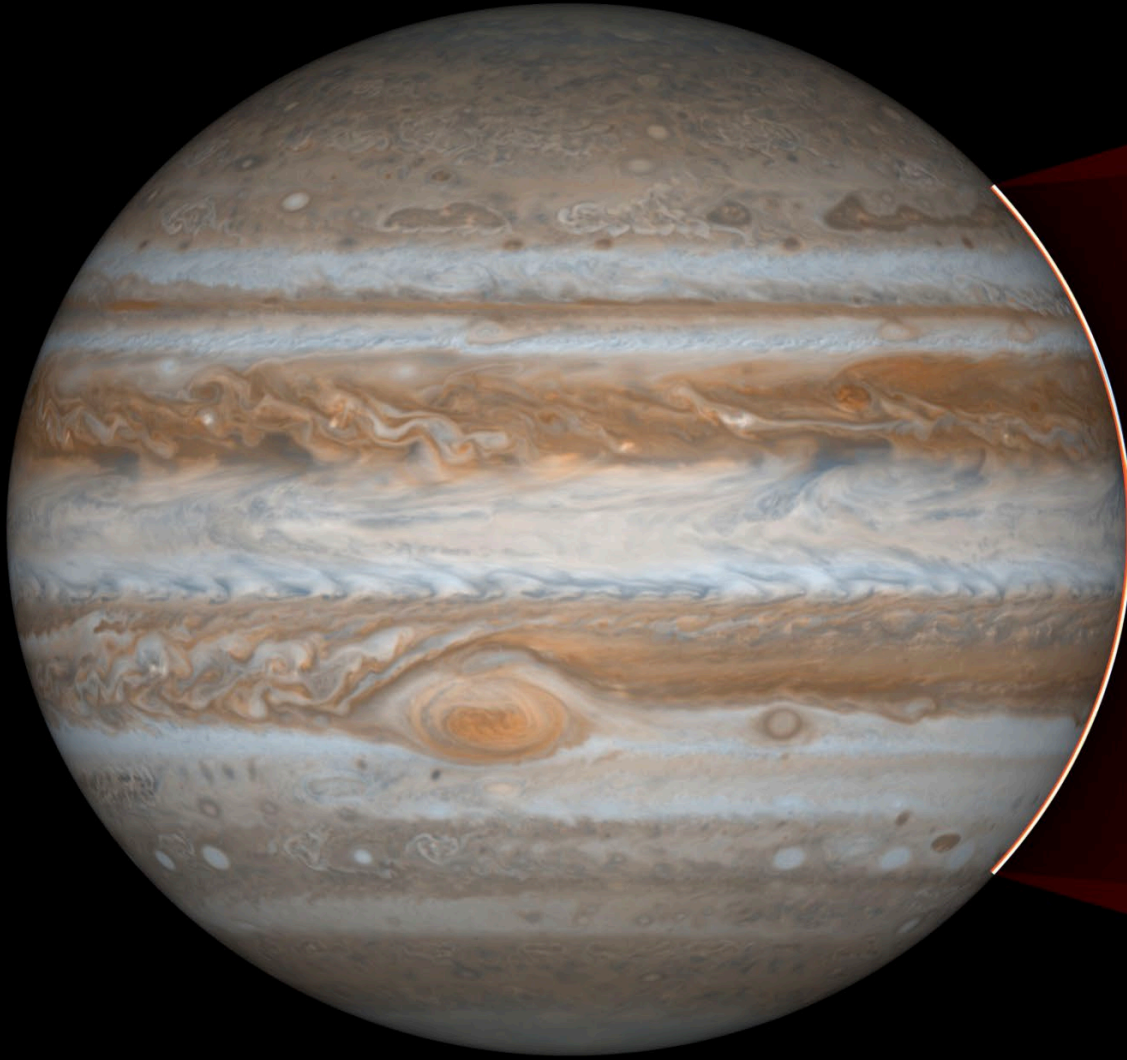


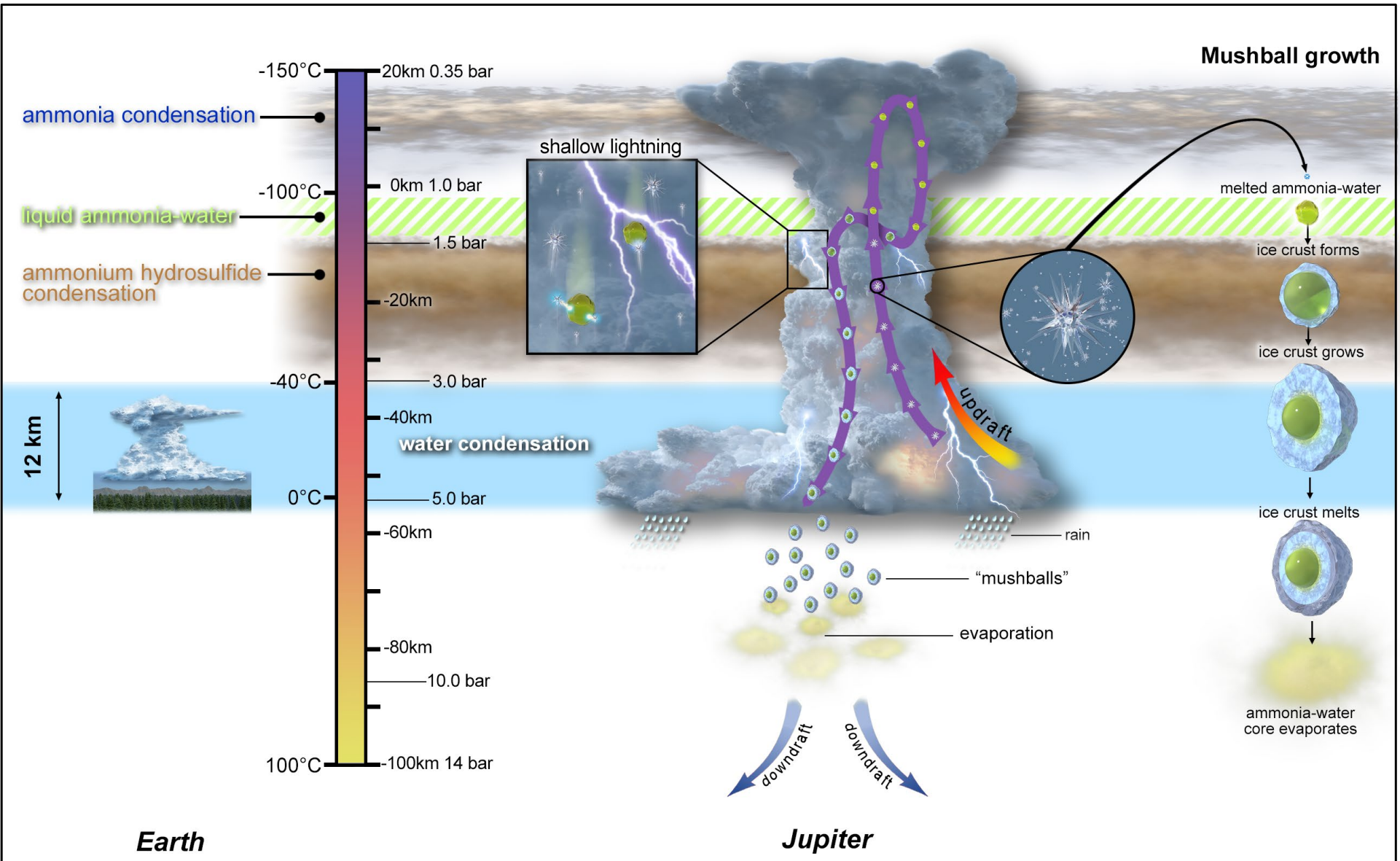
Tristan Guillot

Juno Co-Investigator

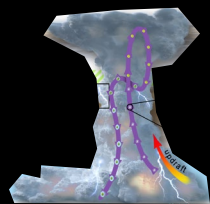
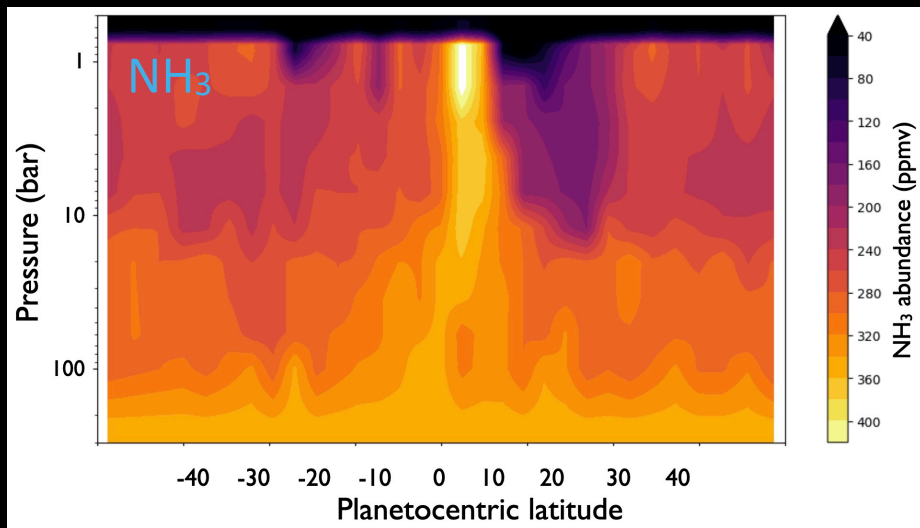
Observatoire de la Côte d'Azur / CNRS, France



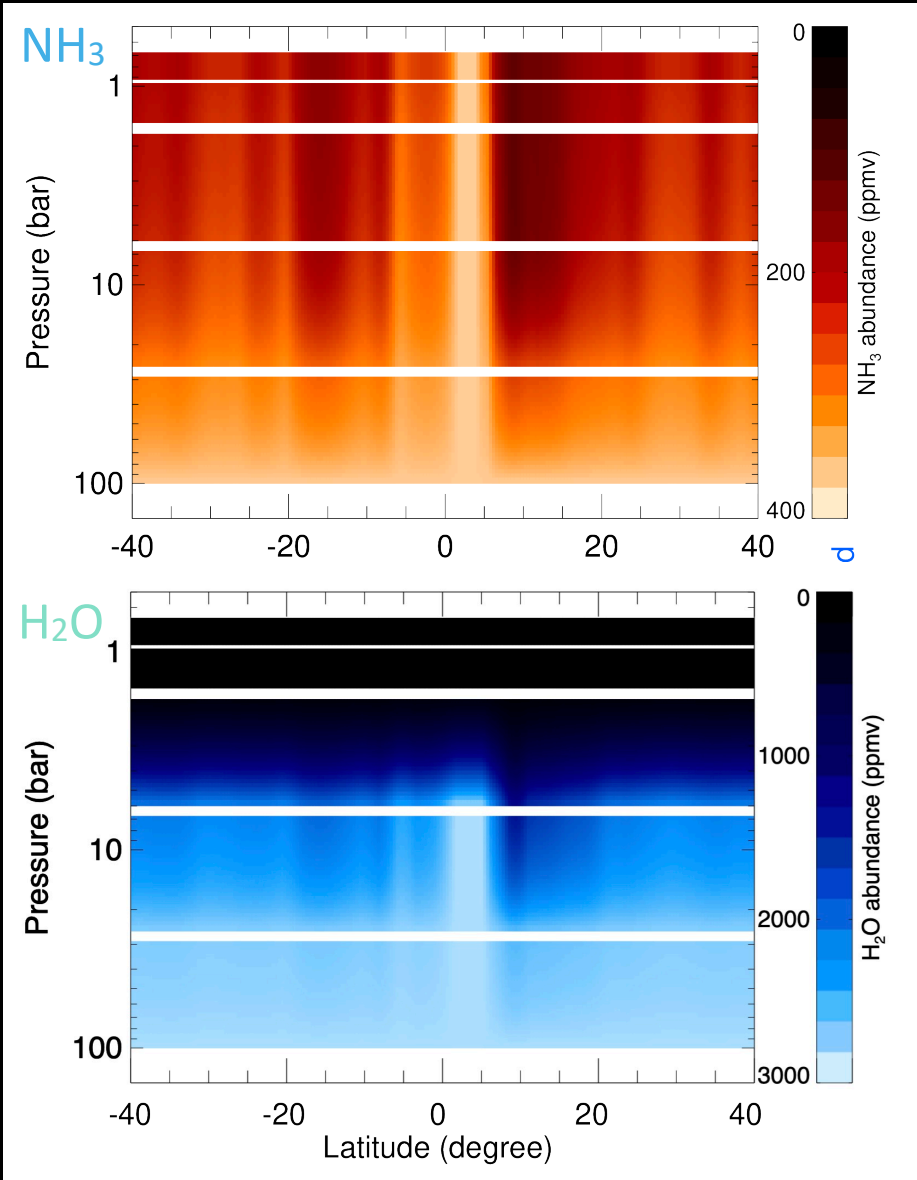


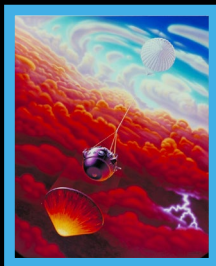


Juno MWR

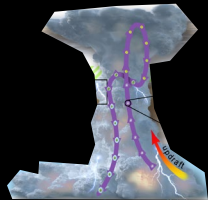


Theoretical

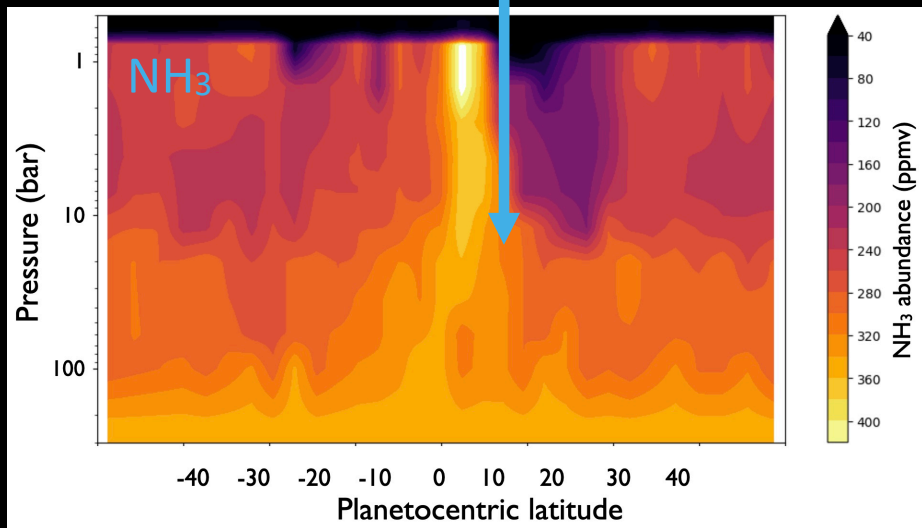




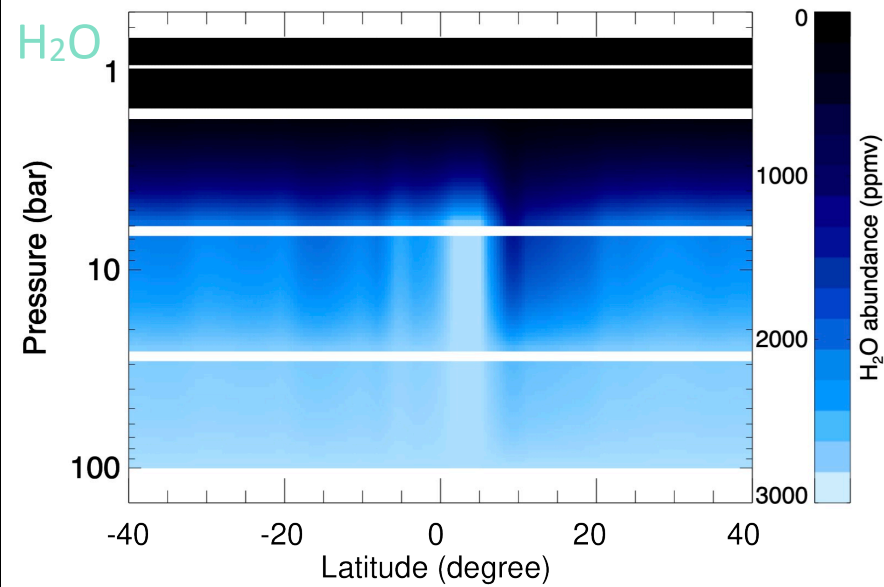
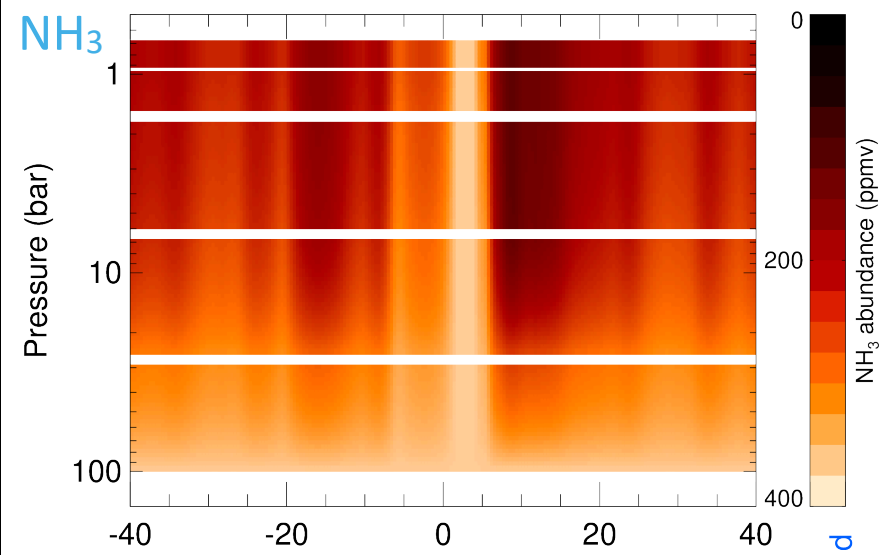
Galileo probe
1995



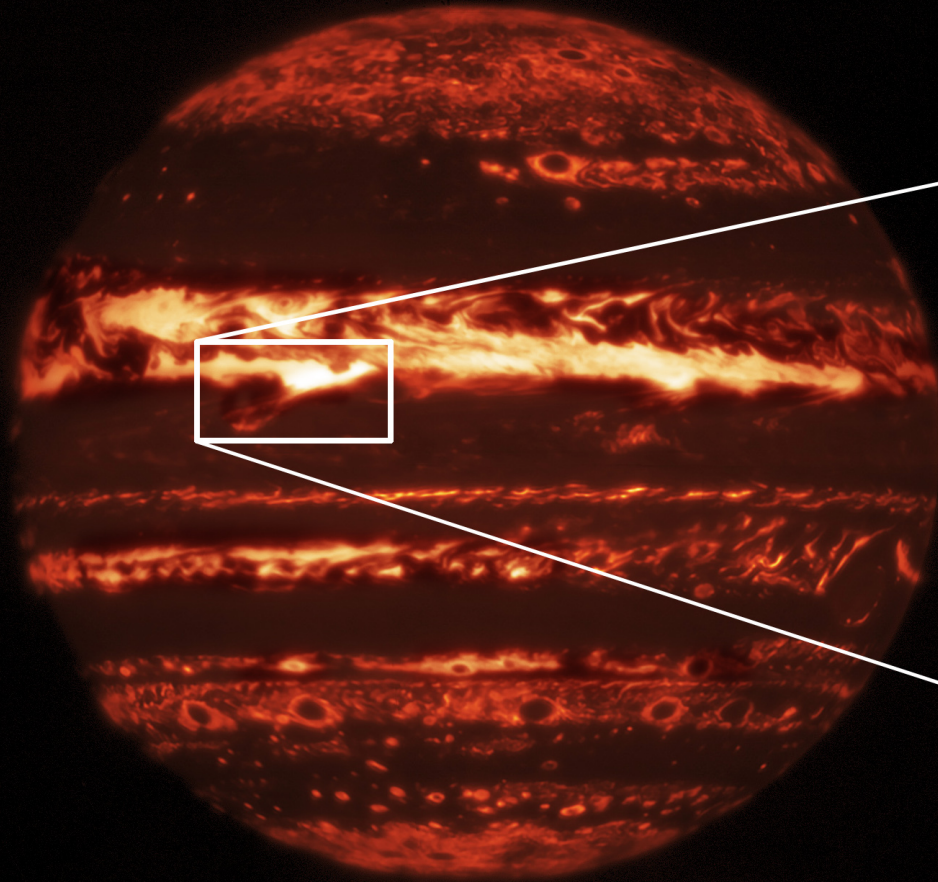
Juno MWR



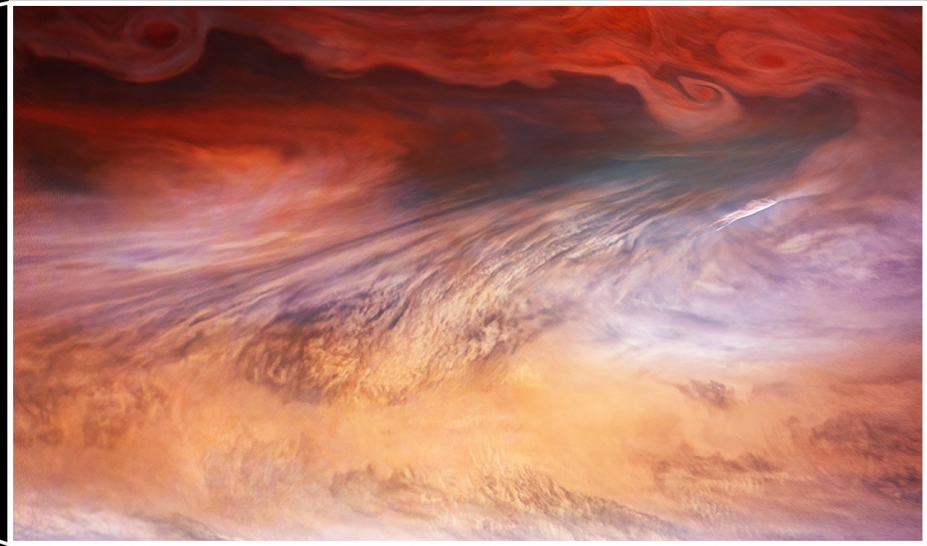
Theoretical



Perijove 29

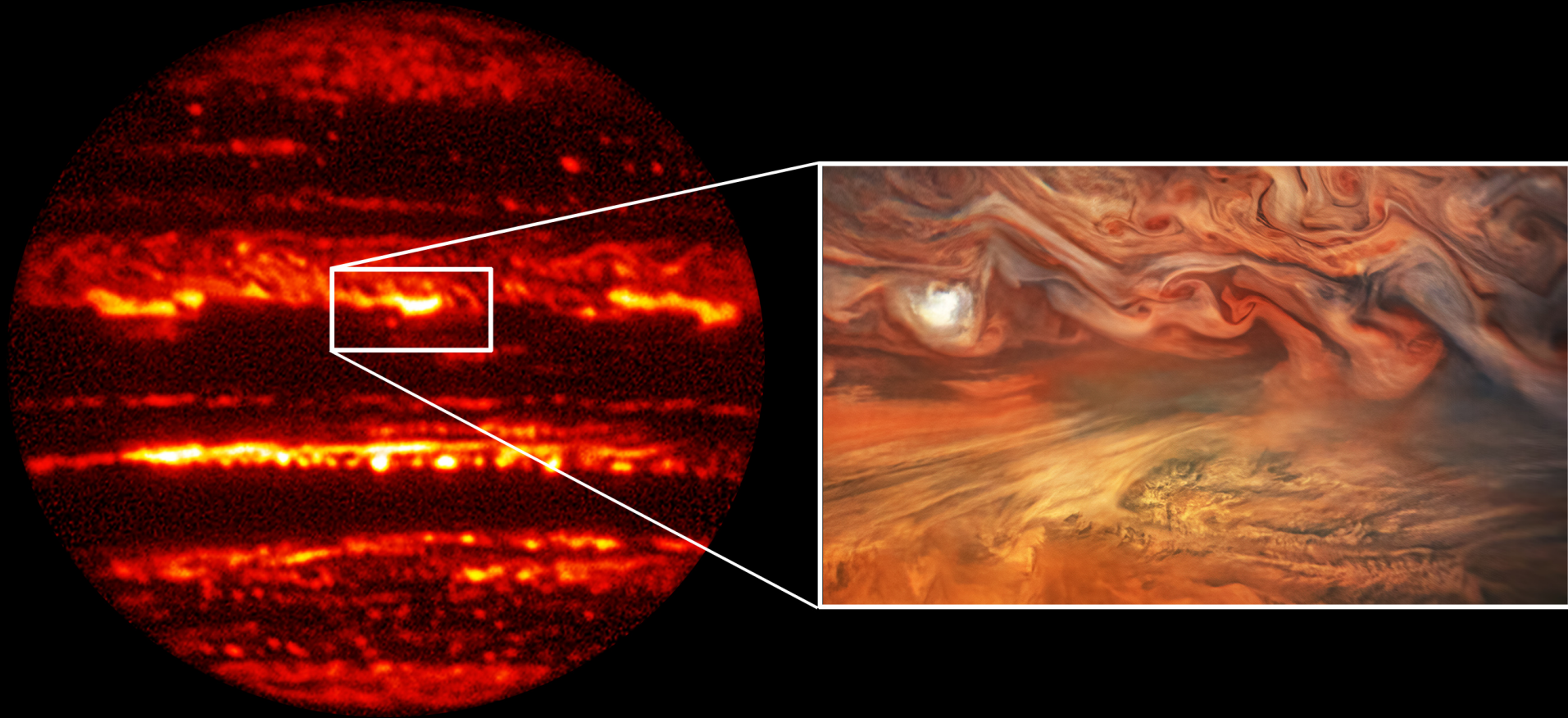


Gemini / NIRI 5 μm



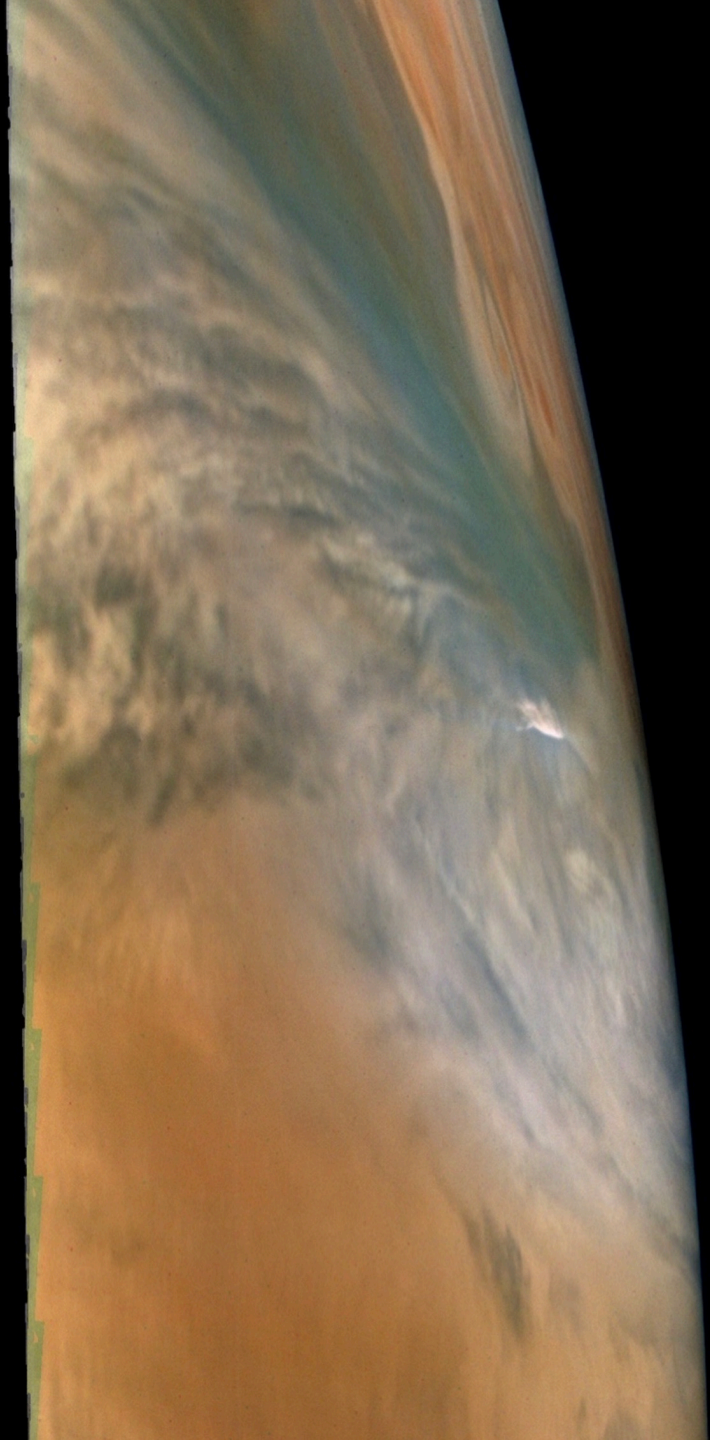
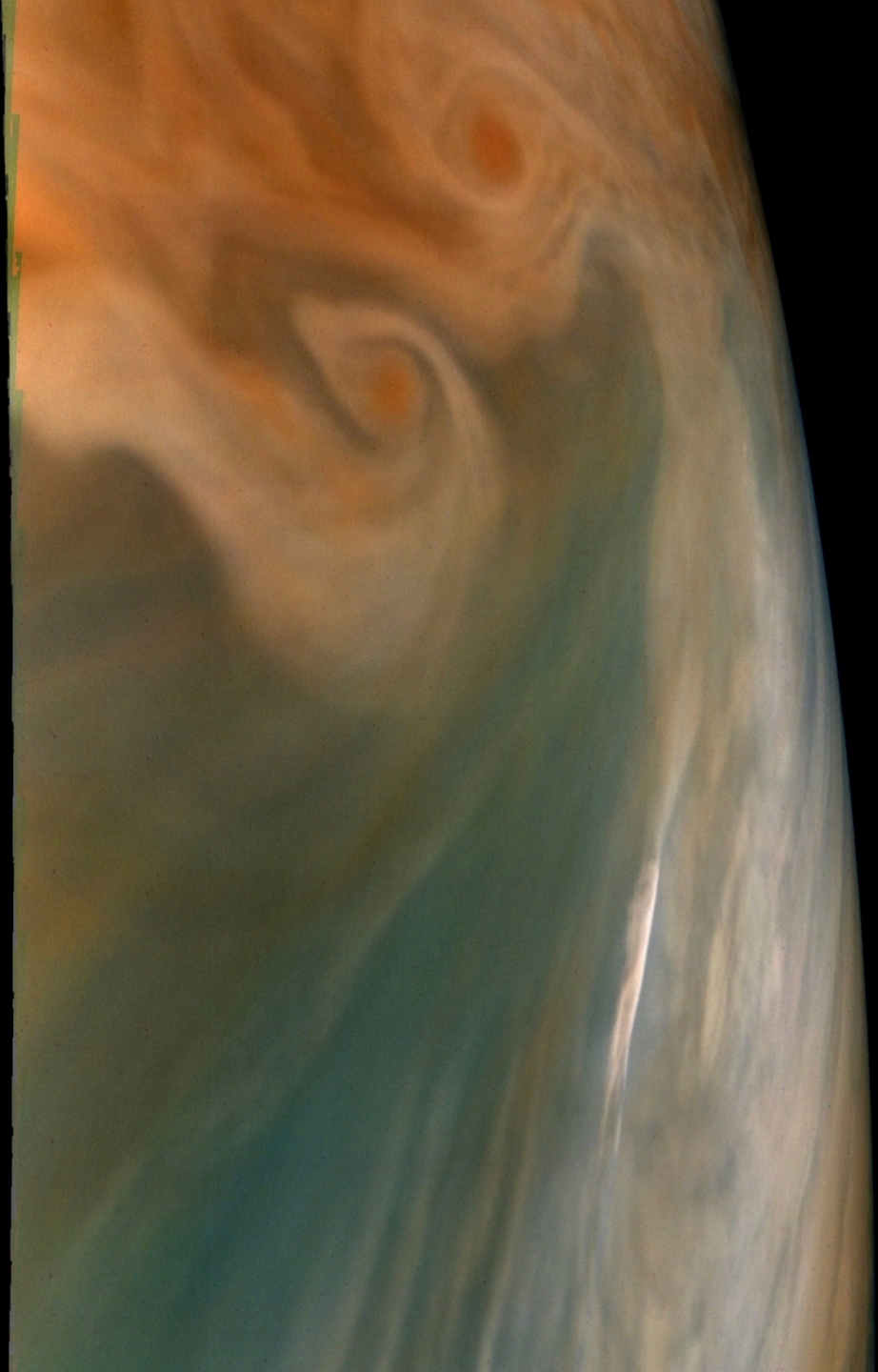
JunoCam

Perijove 30



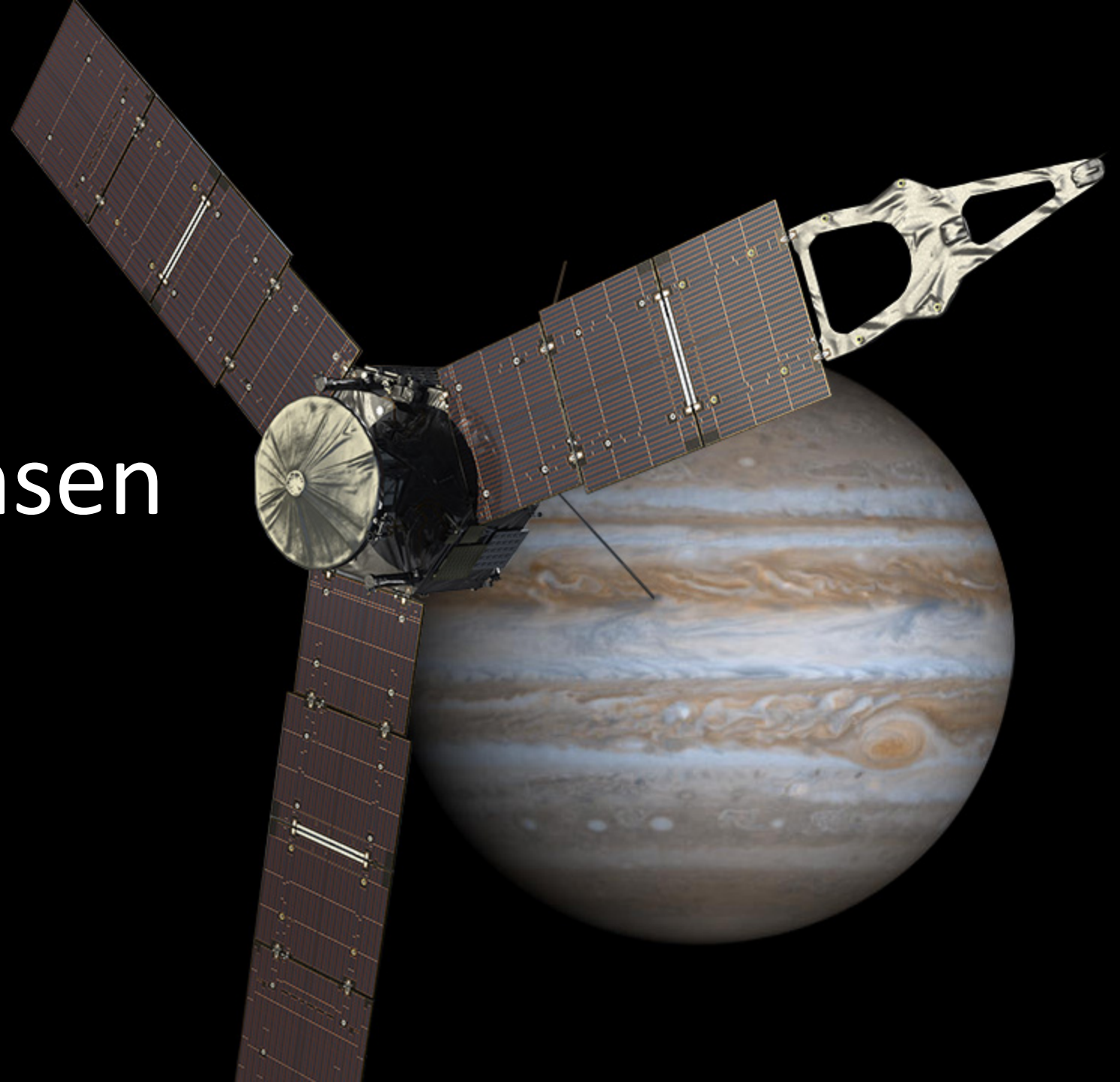
NASA / IRTF 5 μm

JunoCam

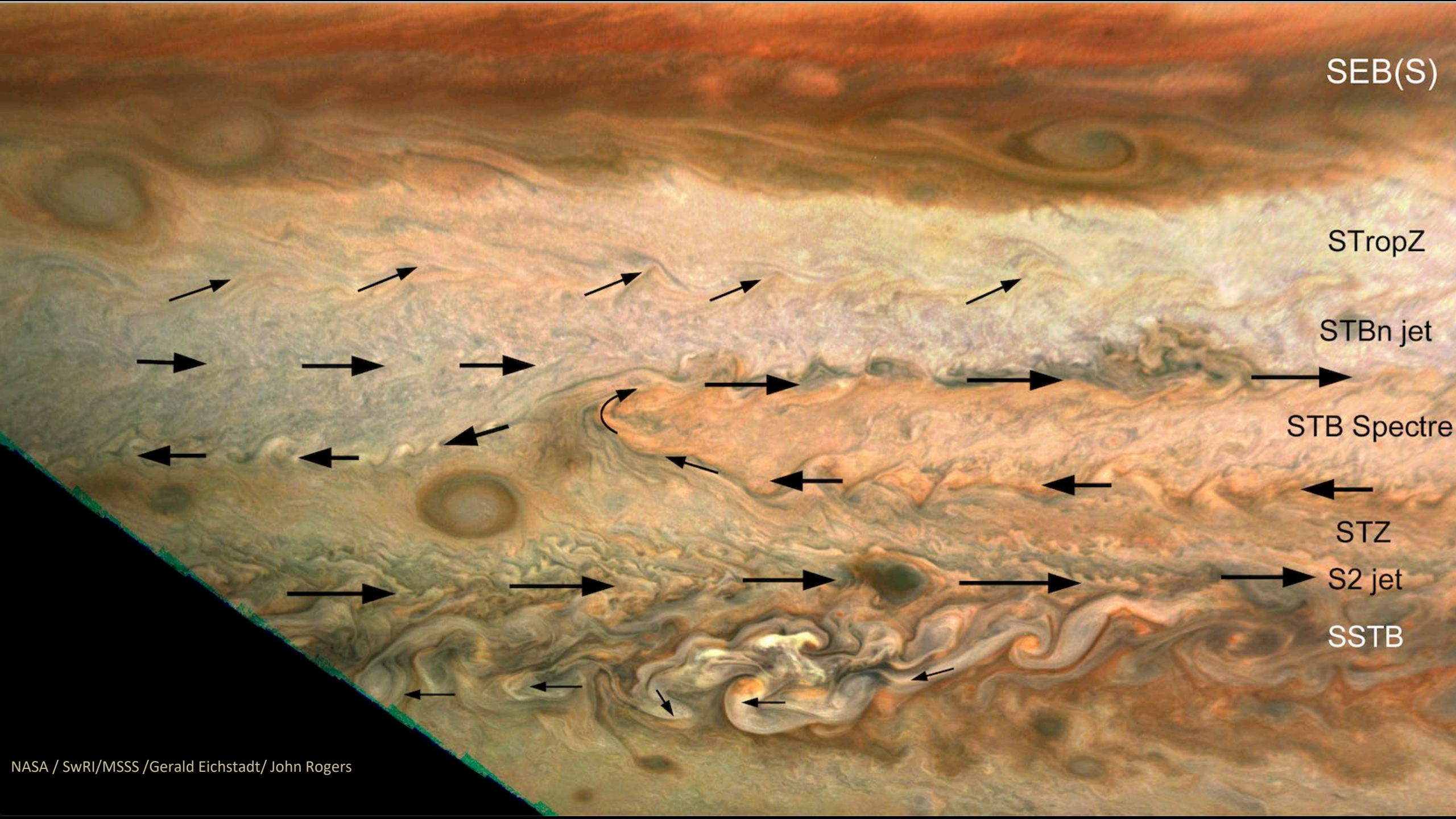


Candice Hansen

Juno Co-Investigator







SEB(S)

STropZ

STBn jet

STB Spectre

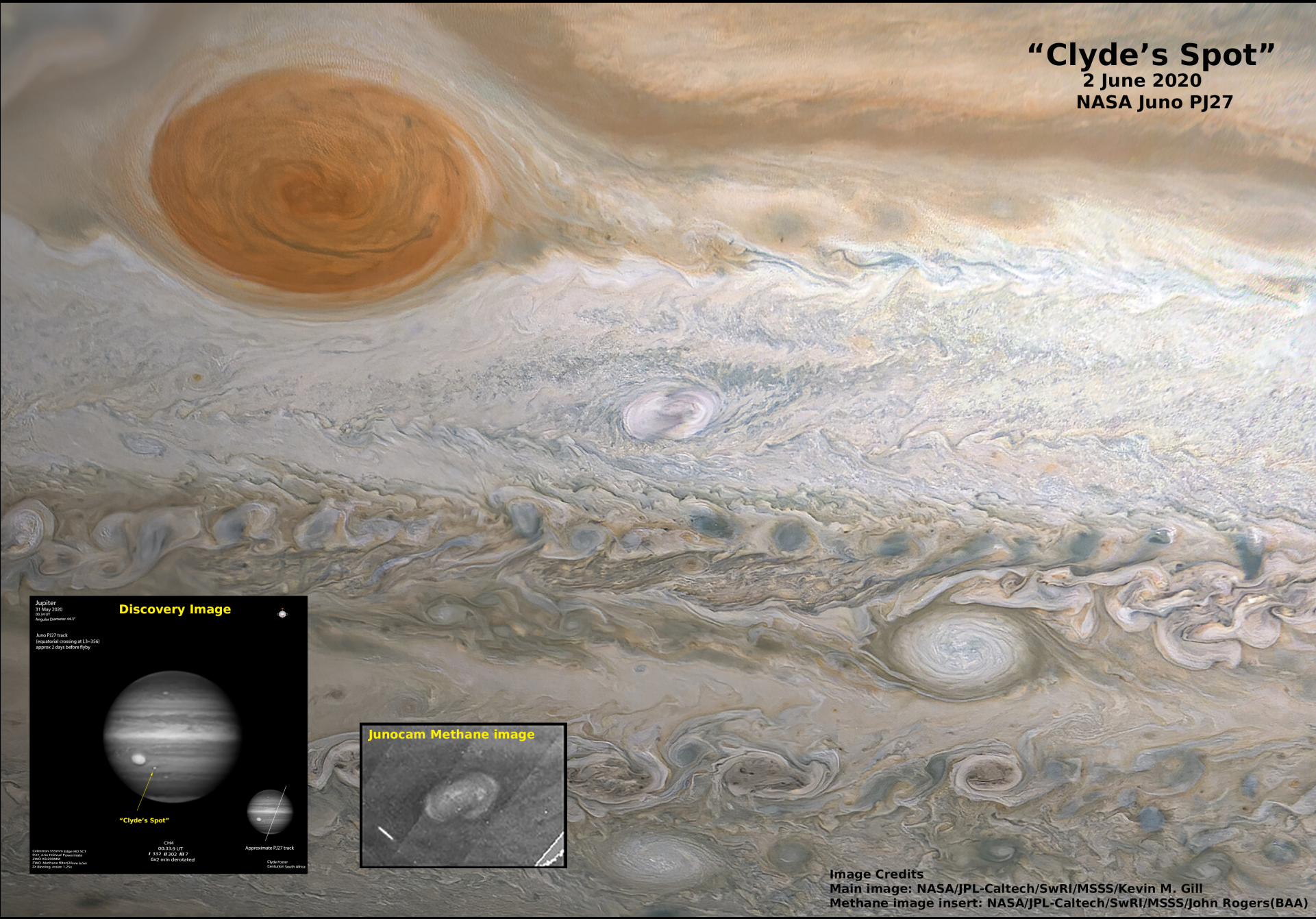
STZ

S2 jet

SSTB

"Clyde's Spot"

2 June 2020
NASA Juno PJ27



Discovery Image

Jupiter
31 May 2020
00:00 UT
Angular Diameter 44.2"

Juno P127 track
Equatorial crossing at L=356
approx 2 days before flyby

"Clyde's Spot"

C148
00:33.9 UT
F 332 #8200 IR F
042 min deconvolved

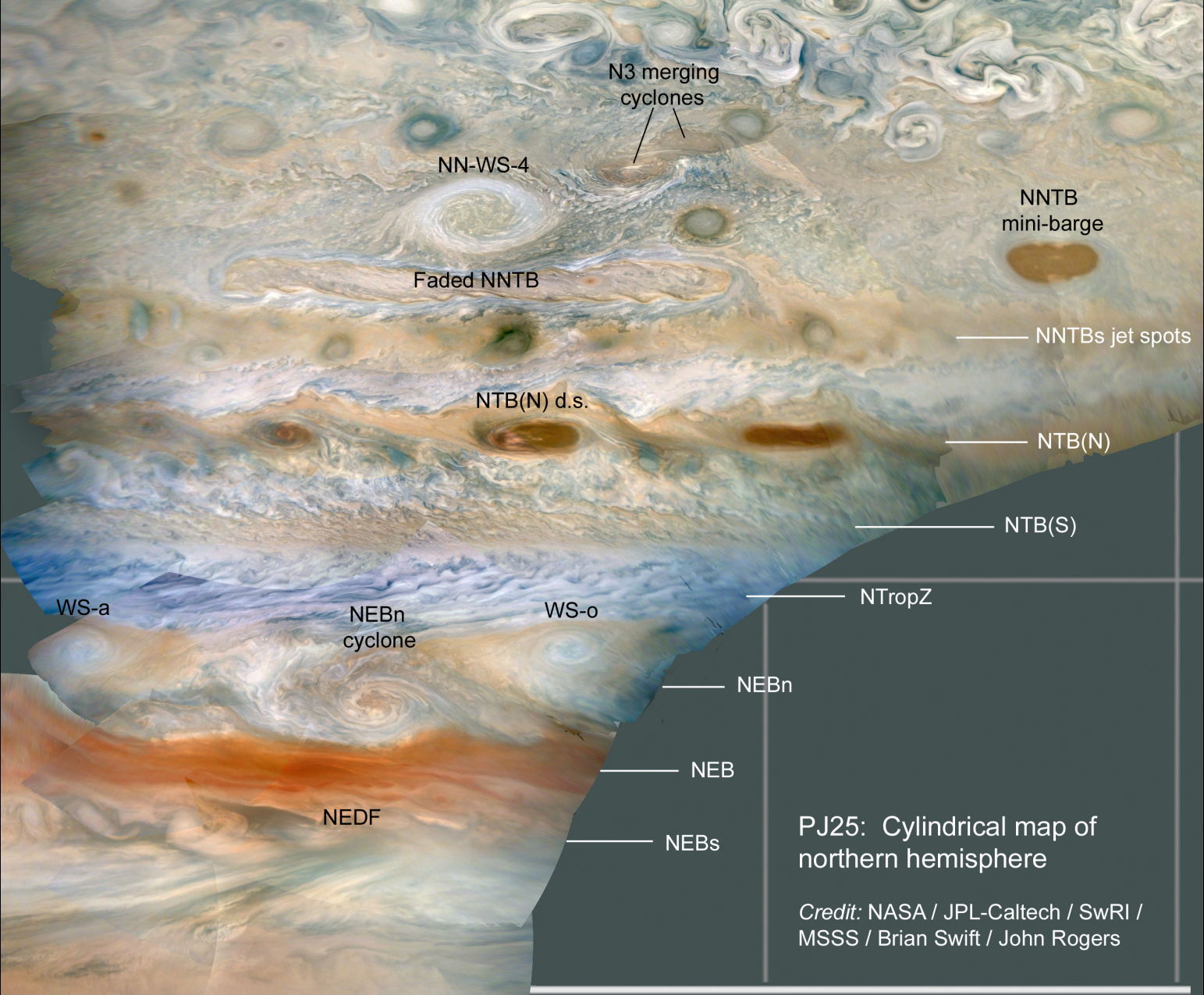
Approximate P127 track

Clyde Foster
Cape Town, South Africa

Exposure: 110mm f/4.5
Filter: 800nm
Gain: 1000
Offset: 0
Scale: 0.15 arcsec/pixel
Size: 128x128



Image Credits
Main image: NASA/JPL-Caltech/SwRI/MSSS/Kevin M. Gill
Methane image insert: NASA/JPL-Caltech/SwRI/MSSS/John Rogers(BAA)



Composite north polar projection map, PJ25-PJ28

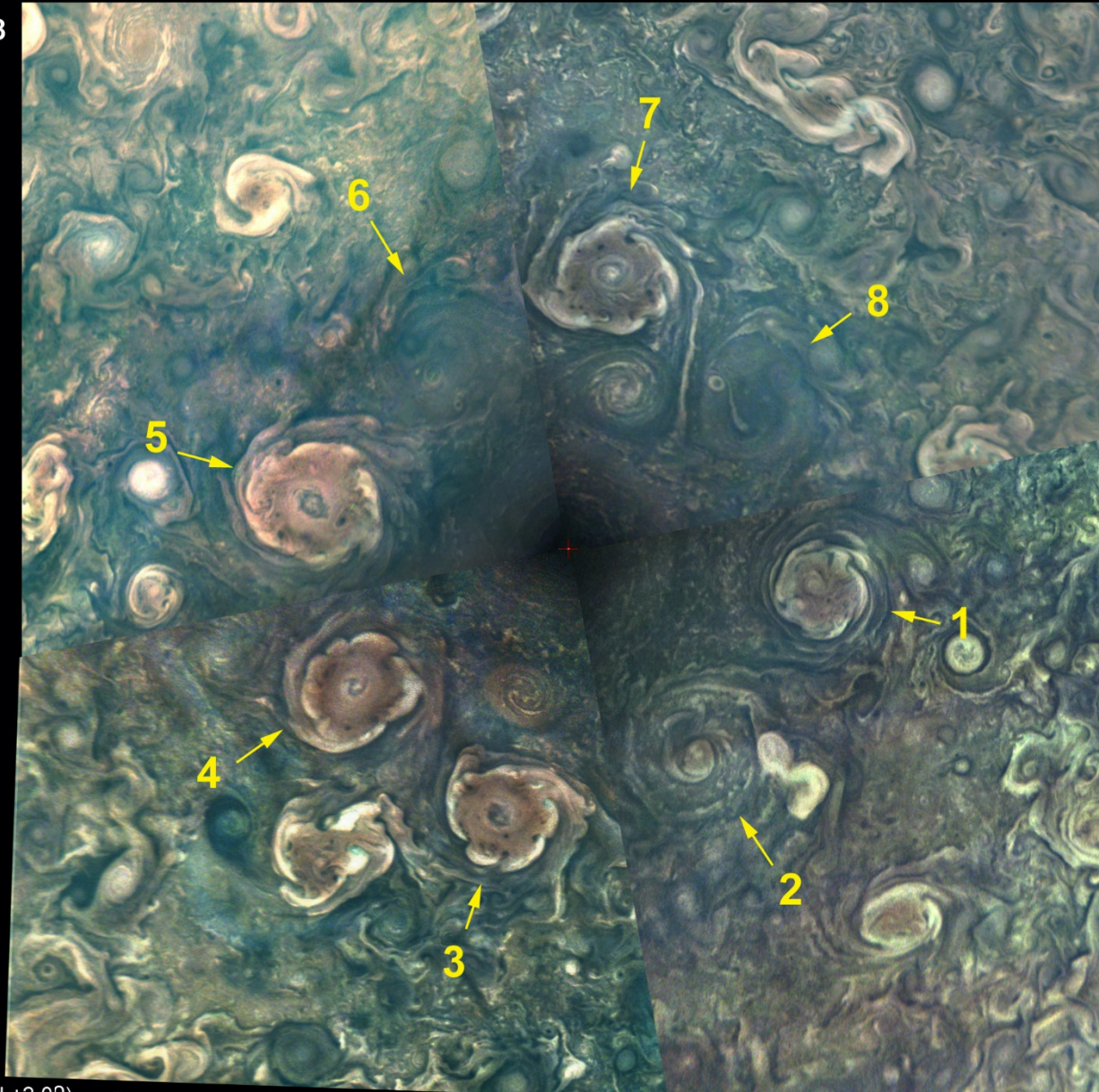
Credit: NASA / JPL / SwRI / MSSS / Gerald Eichstädt / John Rogers

L3=0 to right.



PJ28

PJ27



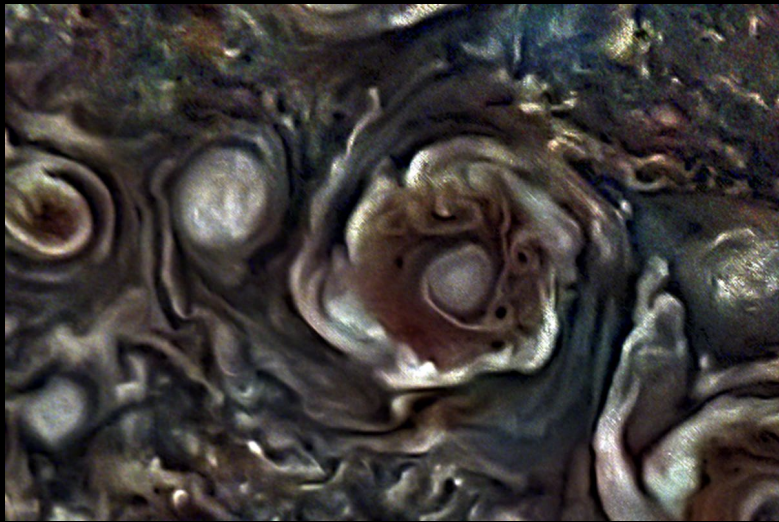
PJ25

(rotated $+2.0^\circ$)

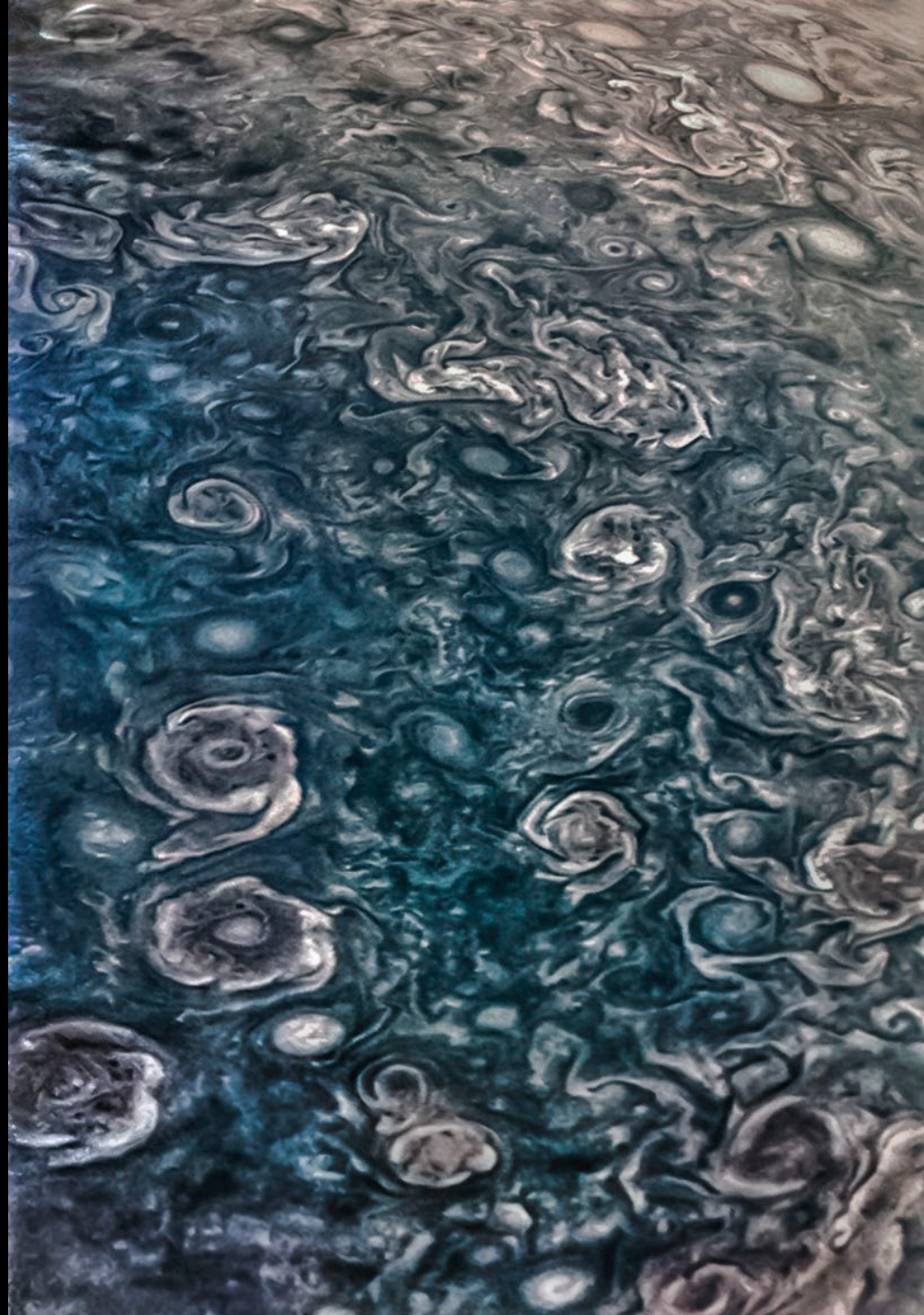
PJ26

(No rotation nor translation of PJ26-PJ28 maps)

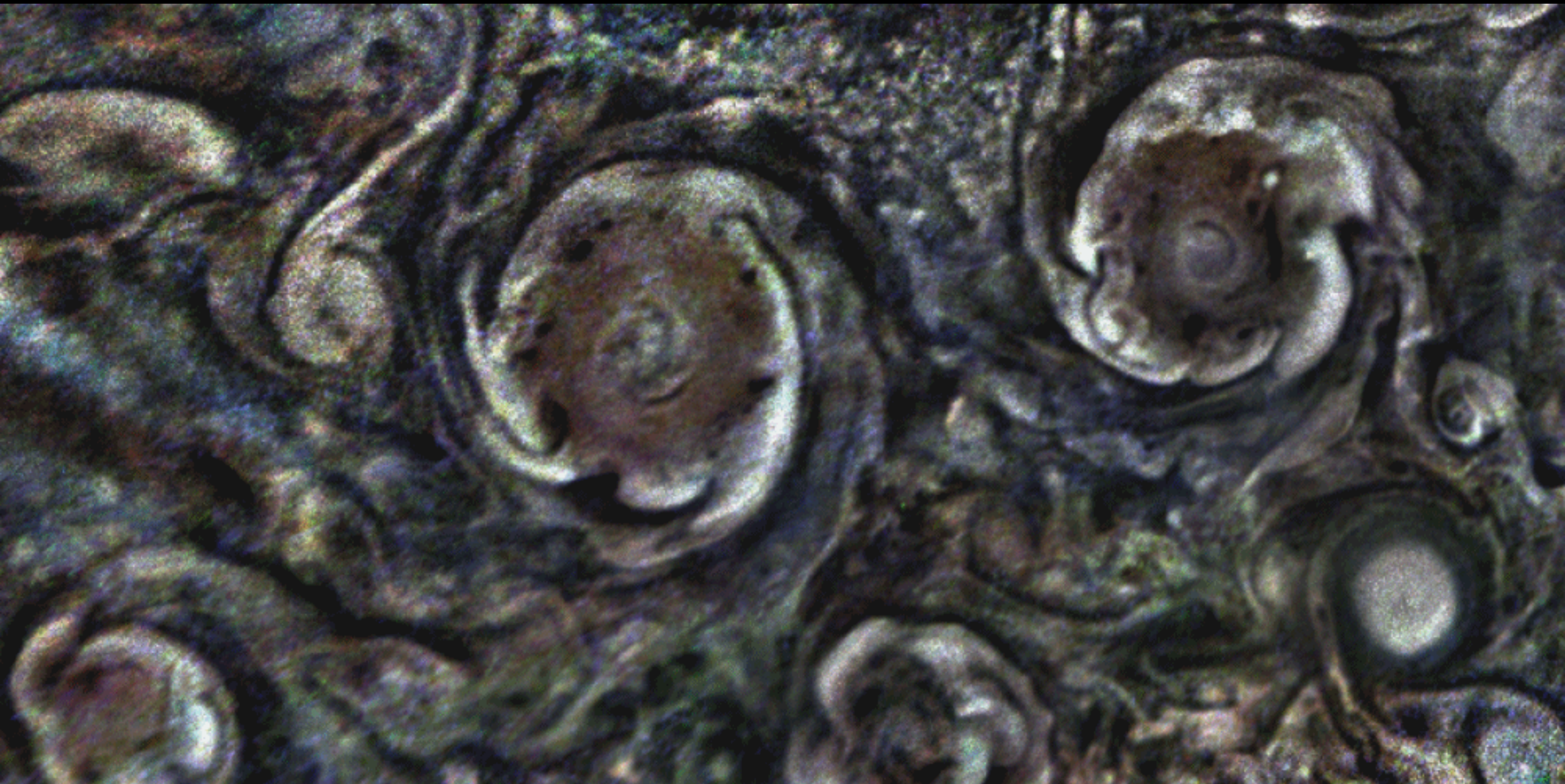
Northern Circumpolar Cyclones

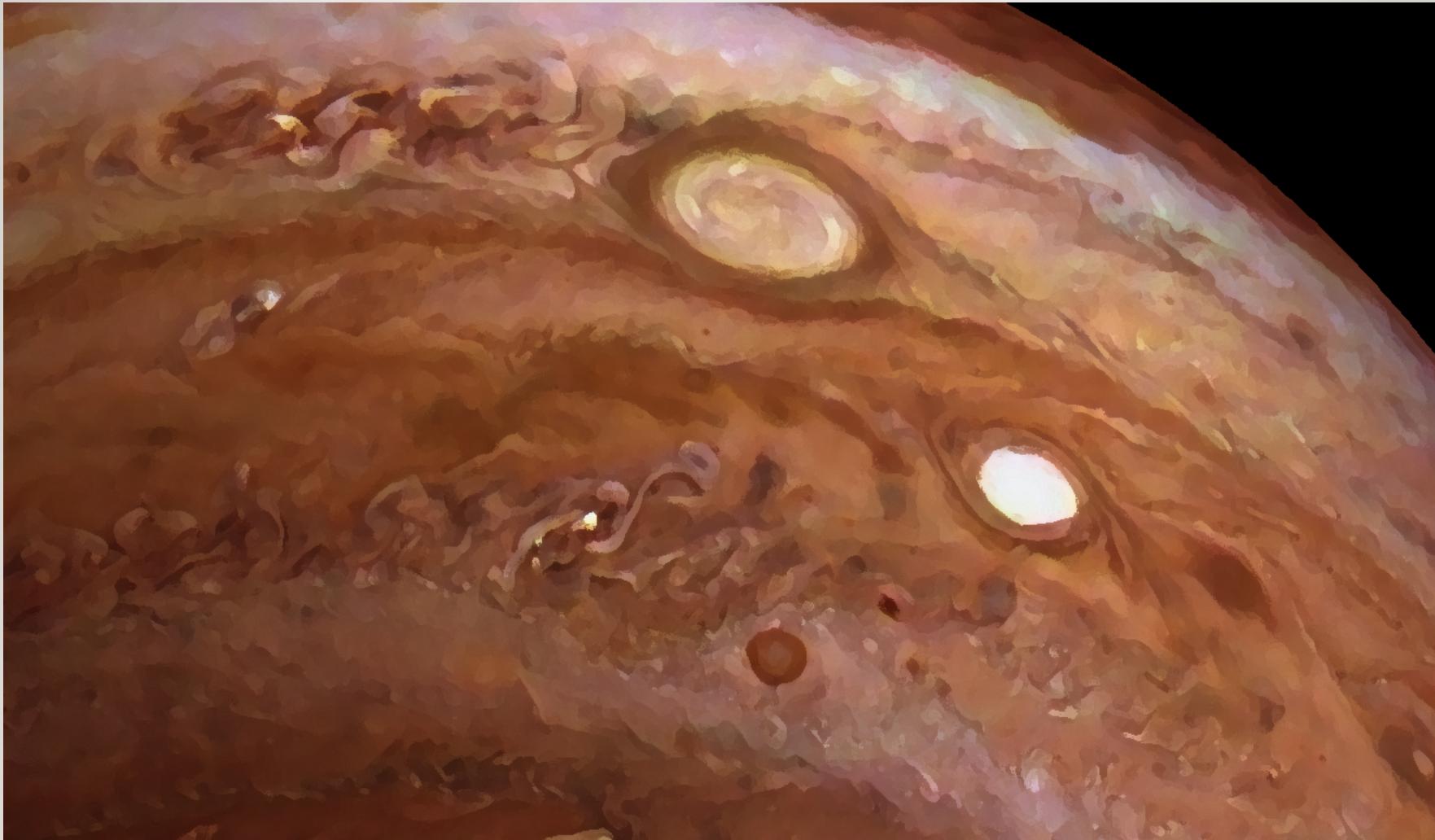


NASA / SwRI / MSSS / Gerald Eichstädt cc by

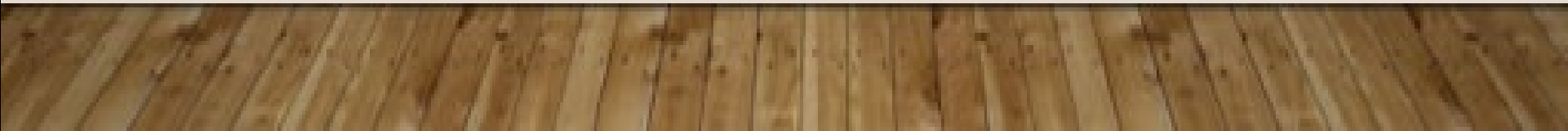


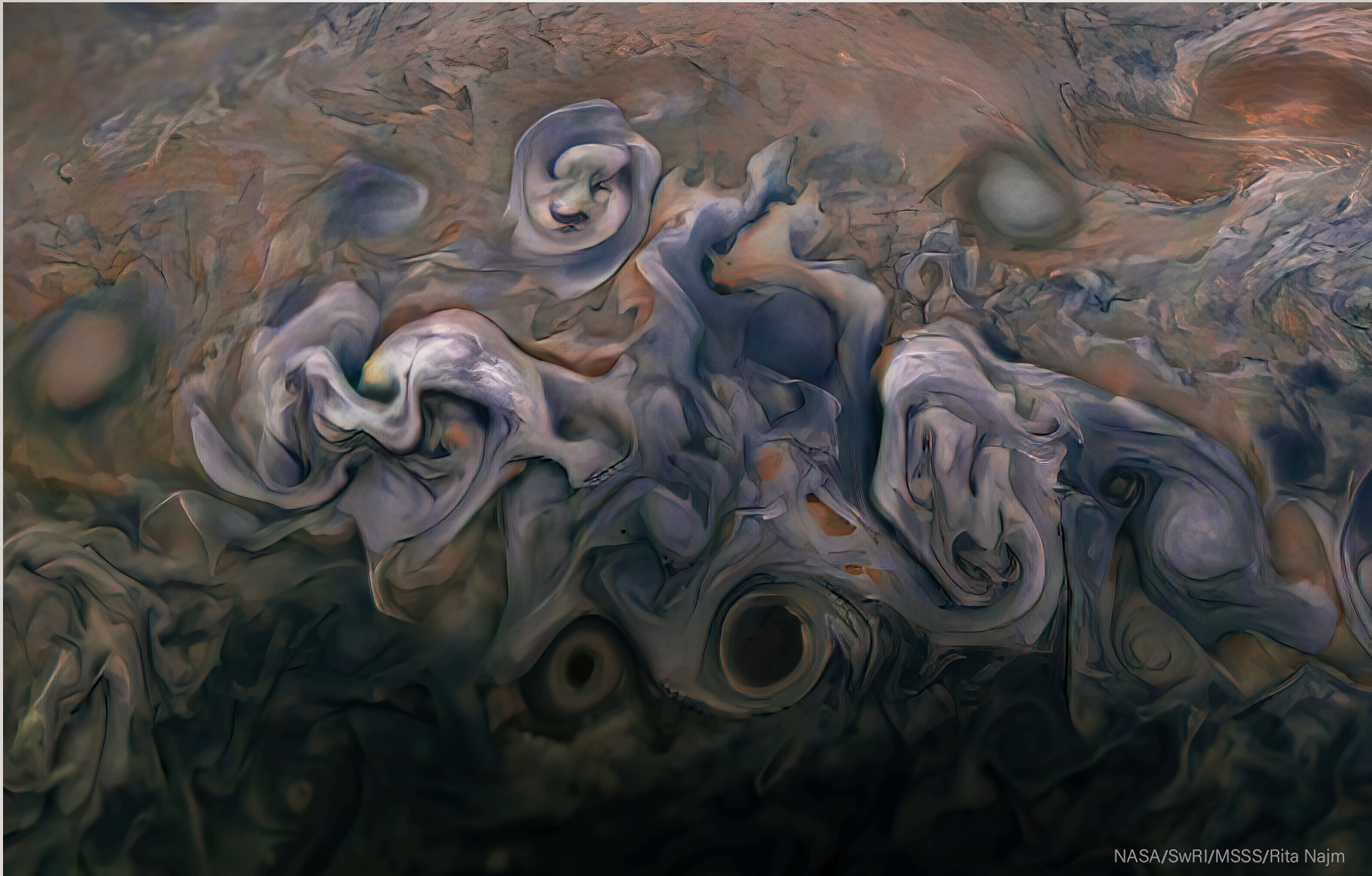
NASA / SwRI / MSSS / Emma Wälimäki cc by



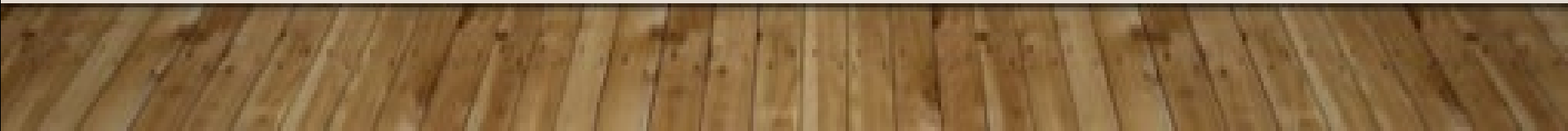


NASA / SwRI / MSSS / Navaneeth Krishnan cc by





NASA/SwRI/MSSS/Rita Najm





QUESTIONS

Please write your questions in the Q&A box and AGU will ask it on your behalf.

Reminder: A 30-minute, informal discussion will commence in Zoom after this event ends.