


Psyche IRB Response and Close Out – Onward to Psyche and Beyond!

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JPL History

1936 | The First Rocket Test



1958 | America's First Satellite – Explorer 1



JPL | Our North Star – Dare Mighty Things Together!



Drive the forefront of **scientific discovery** and extraordinary **benefit to humanity** through innovative missions, technology, and research



Inspire people everywhere to think bigger and imagine what is possible



Leverage our unique capabilities to advance the broader **space exploration and STEM ecosystems**



Create a safe, inclusive, exciting workplace where **all can thrive**

Our Future Framework: *Succeed – Seed – Lead*

The Psyche IRB's Positive Impact on the Lab

- **Psyche replan** being executed with enhanced, fully staffed team – mission status “green” -- on track for Oct 2023 launch
- New **Remote and Hybrid Work Policy** resulting in mission and other teams being on lab together more frequently, and more structured/thoughtful interaction with fully remote colleagues
- **Europa Clipper** receiving significant senior management attention, undergoing Psyche-inspired re-org to center on work-to-go, and making strong progress toward Oct 2024 LRD
- **Fully revamped senior management oversight** with new monthly senior management reviews to engage on issues and metrics more deeply and more frequently with senior leaders
- Added **full time Flight Projects Deputy and moved JPL Office of the Chief Engineer** to the Director's Office reporting to the ADFPMS (Leslie) & intentional project and management engagement around use of ITA
- Weekly **Director's Workforce Management Meeting** driving rapid response on staffing key flight projects (Psyche, Clipper, NISAR, MSR)
- Strong focus on **balance of work** while looking to the future: Launched **Future Work Board** to make essential choices about future work strategy and scope and drive appropriate make-buy decisions
- **Departure rate down to historical levels** due to focused action on hiring and retention
- Significant realignment of **line organization roles/responsibilities/organization/collaboration** underway

Psyche IRB Assessment: Summary and Conclusions

Psyche Project Summary and Conclusions

- The judgement of the IRB is that the response to the IRB recommendations and work-to-go is outstanding and exceeded the board's high expectations.
- The Principal Investigator, Psyche Project, JPL senior leadership, and JPL Line organization are to be commended for their exceptional contributions.
- A credible plan has been developed for the remaining work to be accomplished to support an October 2023 launch. Initial operations planning is viewed by the IRB to be positive; however, this area has a significant amount of work yet to be accomplished.
- The IRB believes the October 2023 LRD is credible and the overall probability of mission success is high.
- It is the judgement of the IRB that the positive actions observed validate NASA's decision to continue the Psyche Project.

JPL Institution Summary and Conclusions

- The IRB recognizes that the board's findings and recommendations were challenging, necessary, and would ultimately require considerable time to complete the corrective actions.
- The IRB's assessment includes the work accomplished to date and the plans to complete the remaining actions.
- The IRB assesses that the response to all the findings and recommendations are appropriate. The IRB is extraordinarily impressed by the accomplishments of the total JPL organization and Caltech.
- Engagement in and leadership of the overall response process by the JPL Director and senior leadership is deemed "world class."
- The amount of work-to-go is extensive and will require continued engagement, commitment, and leadership. The IRB is confident this will occur.

OUR MISSIONS

VOYAGER 1&2

EUROPA CLIPPER

JUNO

MARS ODYSSEY

MARS SAMPLE RETURN

MARS EXPRESS

CURIOSITY

PERSEVERANCE

MAVEN

VERITAS

EnVISION

NEO SURVEYOR

NEOWISE

PSYCHE

NuSTAR

ARIEL (CASE)

SPHEREX

JWST (MIRI)

ROMAN CORONAGRAPH

EUCLID

MAIA

JASON-3

GRACE-FO

AIRS

SENTINEL-6

SWOT

COSMIC

PREFIRE

MISR

NISAR

SUNRISE

AVIRIS, PRISM, UAVSAR, HyTES, PALS, AirMSPI, DopplerScat, SoOpSAR

CLOUDSAT

ASTHROS

OCO-2

ISS

ECOSTRESS
EMIT
OCO-3
TEMPEST-H8
COWVR
COLD ATOM LABORATORY

ASTER

MLS

EZIE

LUNAR TRAILBLAZER

CADRE

FSS

NTS-3

Legend
MISSIONS IN FLIGHT
MISSIONS IN DEVELOPMENT