What is the UNP Mission Concept Program?

Helping University & Students Get Ready for Space Opportunities – Inaugural Summer 2023 Program

• Alleviate high barrier to entry
  o Full satellite development is not easy
  o UNP/CSLI cycle(s) have aggressive schedule(s)
  o Improve university proposals

• Provide support for and strengthen readiness of universities, teams and faculty*
  o Prepare teams for UNP Nanosatellite Cycle
  o Prepare teams for NASA CSLI

• The next UNP Nanosatellite Cycle begins in 2024, now is the time to prepare!

*Participation in this program does not guarantee future selection for UNP programs or NASA CSLI.
• UNP/NASA Mission Concept-1 Program advertised thru:
  o The Air Force University Nanosatellite Program (UNP) Solicitations Website
  o NASA MUREP Minority Serving Institution (MSI) Exchange
  o The NASA Small Spacecraft Virtual Institute
  o NASA Days at Texas Southern University
  o The NASA Space Grant Consortium

• Received 21 Universities Proposals reviewed by 28 different experienced Air Force/NASA/Contractor evaluators

• Selected universities based on the following criteria:
  o Educational impact
  o University program impact/development
  o Minority outreach/support
  o NASA/DoD relevance
UNP Mission Concept Awardees / Summary

1. Florida Institute of Technology – Not a minority serving institution
2. University of the Virgin Islands – HBCU
3. University of South Florida – Not a minority serving institution
4. University of New Mexico – Minority Serving Institution – Hispanic Serving Institution (HSI)
5. Missouri University of Science and Technology – Not a minority serving institution
6. New Mexico State University – Minority Serving Institution – Hispanic Serving Institution (HSI)
7. Columbia University – Not a minority serving institution
8. Tarleton State University – Minority Serving Institution – Hispanic Serving Institution (HSI)

• **Summary**
  1. 1 HBCU, 3 HSIs, 4 Non
  2. First time that a HBCU has won a UNP competition
  3. 6 of the Universities are new to UNP (all but New Mexico State and Missouri S&T)
  4. 4 Universities are new to CSLI (Florida Tech, UVI, USF, and Tarleton)

• **Kick-off Meeting – KSC Visitor Center, May 22-24, 2023**
  1. Students will spend a month (June) at Air Force’s UNP facilities in Albuquerque, New Mexico
  2. Final presentation at Albuquerque, followed by meeting at Small Sat Conference – Logan, Utah