



**ECLIPSE IN THE SHADOWS:
PVAMU SCIENTISTS EXPLAIN WHAT SKYWATCHERS WILL MISS AND WHAT'S AHEAD**

PRAIRIE VIEW, Texas September 5, 2025) - On September 7, stargazers worldwide will be treated to a total lunar eclipse. Most of the continental U.S.? Not so much; only a ghostly penumbral whisper will be visible in Hawaii and far-western Alaska before the Moon sets.

That doesn't mean we should look away. Prairie View A&M University's resident scientists, Dr. Premkumar Saganti and Mr. Brian Cudnik, are here to explain why even a subdued eclipse still echoes with cosmic significance, and why Houstonians should stay curious.

Saganti and Cudnik will walk through the science behind the eclipse: why the penumbra matters, how geometry puts the marvel just out of grasp for most U.S. viewers, and what future lunar and solar moments we can catch from Houston's streets.

Meet the Experts

- **Dr. Premkumar Saganti**
Regents Professor, Physics, Texas A&M University System, faculty at Prairie View A&M University and Director of the Chancellor's Research Initiative – Radiation Institute for Science and Engineering (CRI-RaISE), and Director of the Prairie View Solar Observatory
Focuses on radiation modeling and instrumentation (including Mars radiation via the MARIE project), radiation detection, medical imaging, and space radiation environments
- **Mr. Brian Cudnik, M.S.**
Laboratory Coordinator & Adjunct Instructor in the Department of Physics
Physics lecturer and Solar Observatory coordinator with nearly 25 years' experience, he explains phenomena like solar (and now lunar eclipses) in human terms

Saganti and Cudnik are on hand to unpack what this September eclipse actually teaches us and tease what local skywatchers in Houston can look forward to in the months ahead. To schedule an interview please contact Liz Faublas-Wallace at lswallace@pvamu.edu.

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PRAIRIE VIEW A&M UNIVERSITY, founded in 1876, is the second oldest public institution of higher education in the state of Texas and the third largest Historically Black College/University (HBCU) in the nation. Designated as an "institution of the first class" in the Texas Constitution, the enrollment exceeds 9,000 students and over 80,000 graduates. PVAMU offers academic programs through its ten colleges, Undergraduate Studies and School of Architecture, boasting degree options leading to bachelor's to doctoral-level degrees. A Carnegie-classified high-research (R2) University and a member of The Texas A&M University System, PVAMU is dedicated to fulfilling its land-grant mission of achieving excellence in teaching, research and service. For more information, visit www.pvamu.edu.

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