

Over the last 8 years, NSF has successfully utilized CubeSat missions and commercial data buy arrangements to obtain critical observations in and from space to advance scientific understanding and discovery while at the same time providing extraordinary educational benefits. The NSF Cubesat program so far has carried out 8 missions involving a total of 13 satellites. Another 7 missions encompassing a total of 11 satellites are currently under development. Several of the 15 projects supported by the program so far have delivered first-of-their-kind observations and findings that have formed the basis for high profile engineering and science publications. The program has established beyond doubt the scientific value of CubeSats by the highly successful implementation of creative and innovative missions that carry out important science experiments while at the same time providing extraordinary educational benefits. Based on examples and lessons learned from current projects the presentation will document and explore the prolific scientific promise of CubeSat missions for Geospace research in general, and for radio science in particular.