

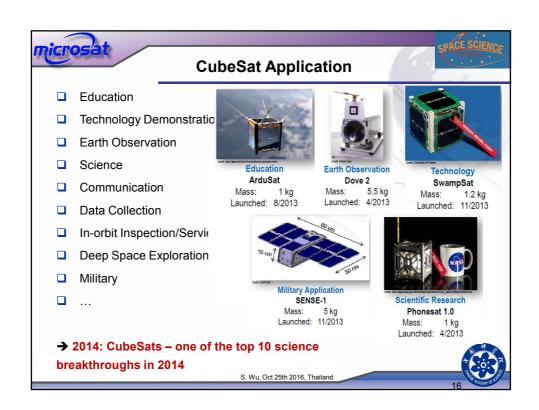
## microsat

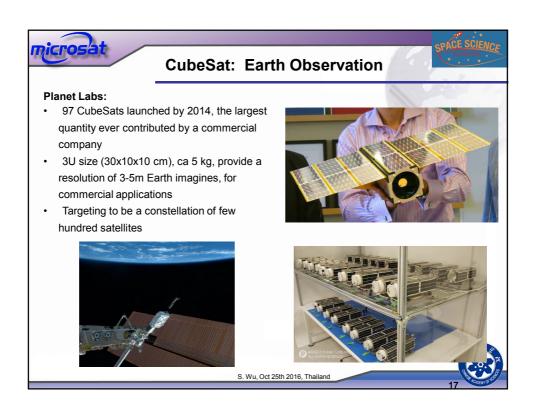
## **CubeSat Application**

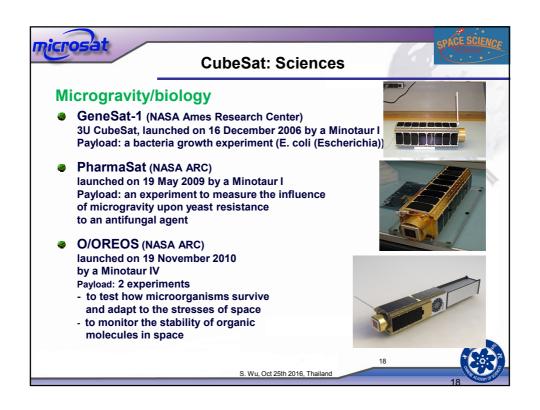
- ◆ The Important Way of Development for Engineering Training and Space Education
- **♦** The Important Platform of New Technology and New Concept Demonstration
- **♦** The Development of Hot Spots in the Field of Counter Space
- New Force of the Exploration for Tactical Application
- CubeSat has found Applications in all space sectors



S. Wu, Oct 25th 2016, Thailan

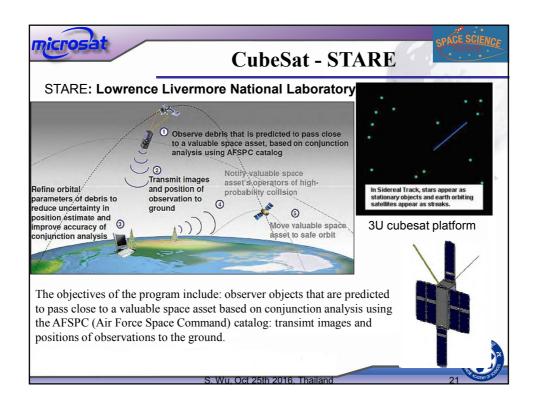




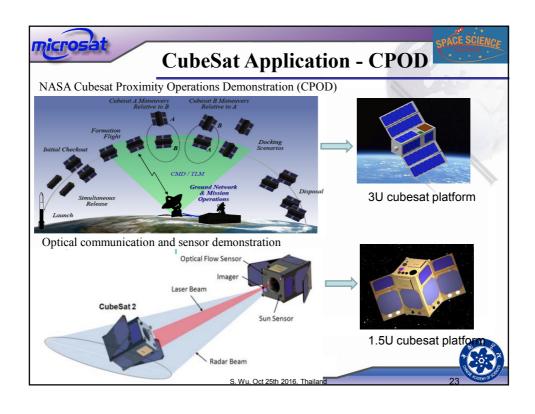


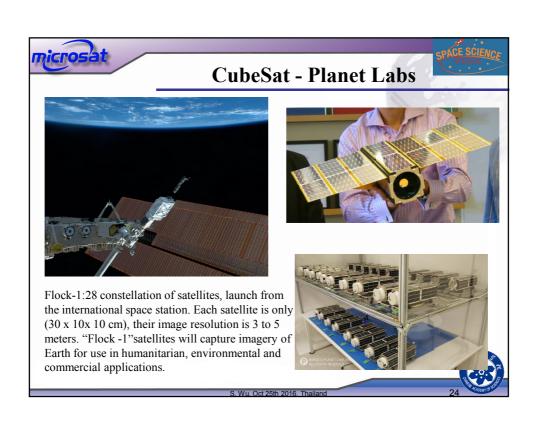




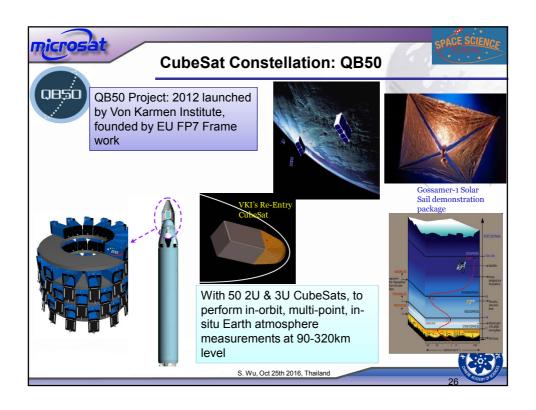


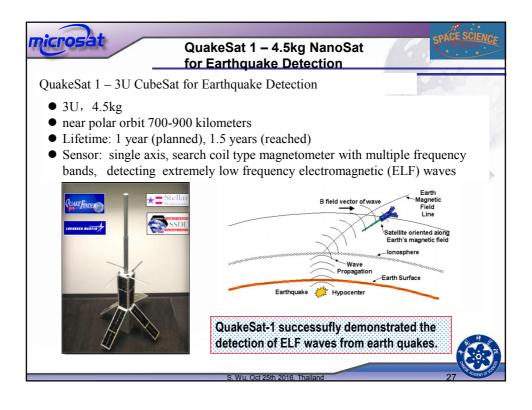
















## **Space Business: Planet Labs**



- In 2010 Start up by 3 physicians from the NASA Ames Research Center, aiming to provide cheap Earth imagines with low cost NanoSat technologies
- 3U CubeSats: size ca 10cm x 10cm x 30cm, mass ca 5kg, imagine resolution 3-5 meter
- 2013: Two experimental CubeSat Dove-1/2 launched in April , Dove-3/4 in November
- 2014: totally 93 launched, and 26 were lost by the Antares failure in Oct 28th 2014
- In just nine days, Planet Labs built and delivered 2 satellites to be on-board the SpaceX CRS-5 launch campaign, which replicated the 26 lost CubeSats.



Consulting work with domain relevance









