A satellite is shown in orbit above the Earth's surface. The satellite is a rectangular box with solar panels on top and a thin line extending from it, possibly representing a tether or antenna. The Earth's surface is visible below, showing blue oceans and white clouds. The background is black, representing space.

Radio Amateurs en Wetenschappelijke Satellieten

Agenda

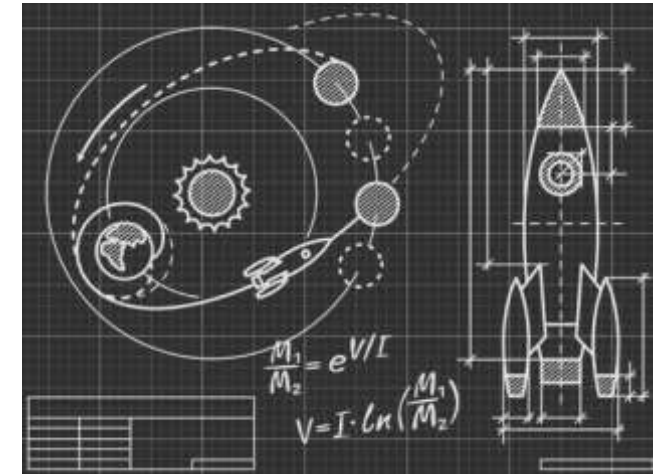
- **Inleiding**
- **Daarom zijn Radio Amateurs belangrijk!**
- **Succesverhalen**
- **Vragen**

Inleiding

Cameras, zonnecellen, motoren, sensoren,
grondradar, atmosfeer, zonnezeilen/wind, ..

- **OK... dus wat kunnen we nog meer doen BEHALVE gebruik maken van Amateur Satelieten?**

- **Wetenschappelijke Experimenten!**



- **RAFT, ANDE1, ANDE2, ..**
- **RAX, Aggiesat, Nanosail, O/OREOS**
- **+ vele Japanse projecten**



Daarom zijn Radio Amateurs belangrijk!

- **Radiocommunicatie**
 - Niet onderzoeks-hoofddoel van de universiteiten
- **Footprint / access**
 - Spannende momenten: direct na lancering
 - Meer contacttijd: meer data
- **Ervaring is beschikbaar**
 - Bewezen radio-installaties & operators staan klaar
 - Ook tijdens weekenden & vakanties

Compass-1



- **Universiteit Aken**
- **Wereldwijde grond station operatie: door zendamateurs (DK3WN)**
 - **Zeeland, Japan, Australie, Duitsland, US, ..**
 - **Worden allemaal vernoemd op internet**
 - **Oorkondes & persoonlijke dank brieven**
 - **waardering!**



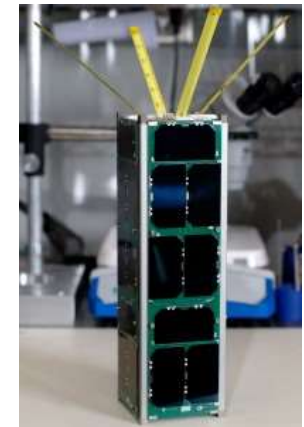
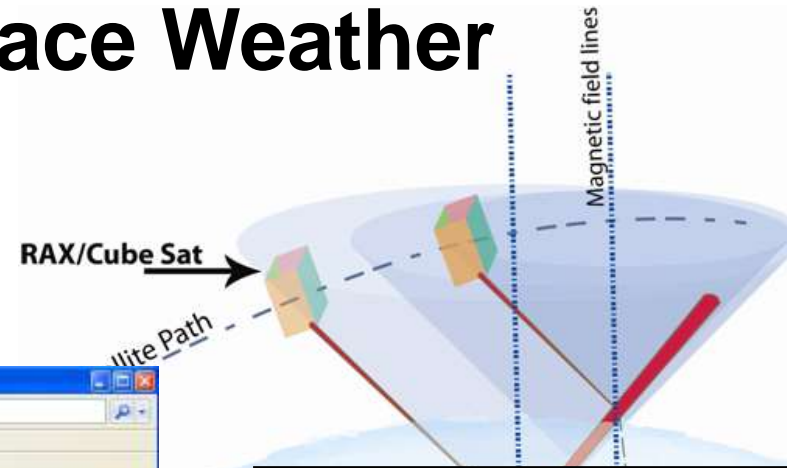
RAX

- University of Michigan, James Cutler
- Onderzoek van Space Weather



The image shows two computer screens. The top screen displays a 'RAX Ground Station Object' window with a table of satellite data. The bottom screen shows a 'BroadCam' window with a live stream of data. The data stream includes the following text:

```
!S 12:36:49 !RAX-1*>CQ:nvms8k|b3H?Call f<ll  
!S 12:39:50 !RAX-1*>CQ:nvms8k|jvMKH#qg @DP  
!S 12:40:30 !RAX-1*>CQ:nvms8k|Q>Jqham)Fe  
!S 12:40:50 !RAX-1*>CQ:nvms8k|VM1!iigOG-s  
!S 12:41:10 !RAX-1*>CQ:nvms8k|[CMh^an fH-  
!S 12:41:31 !RAX-1*>CQ:nvms8k|[ M*Pfgfp  
!S 12:41:51 !RAX-1*>CQ:nvms8k|U1NODcyp 3{  
!S 12:42:11 !RAX-1*>CQ:nv.ms8k|Z J1(tggf  
!S 12:42:31 !RAX-1*>CQ:nvms8k|Z_JW  
!S 12:42:51 !RAX-1*>CQ:nvms8k|T H7"ahh3
```



Watching your feed!

James Cutler <jwcutler@umich.edu>

U hebt dit bericht beantwoord op 28-10-2011 14:48.

Verzonden: vr 28-10-2011 14:45

Aan: Henk Hamoen

Thanks, looks great!

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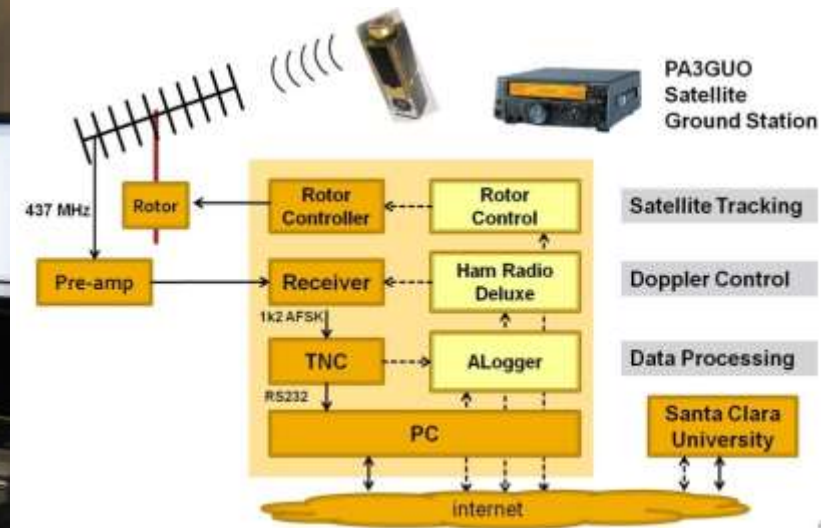
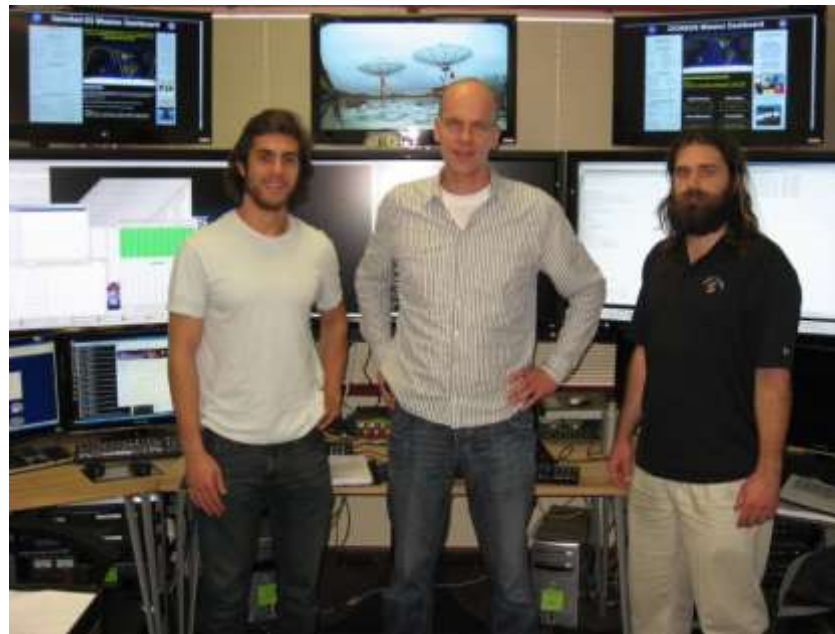
James Cutler, Assistant Professor

University of Michigan

Department of Aerospace Engineering

Nanosail & O/OREOS

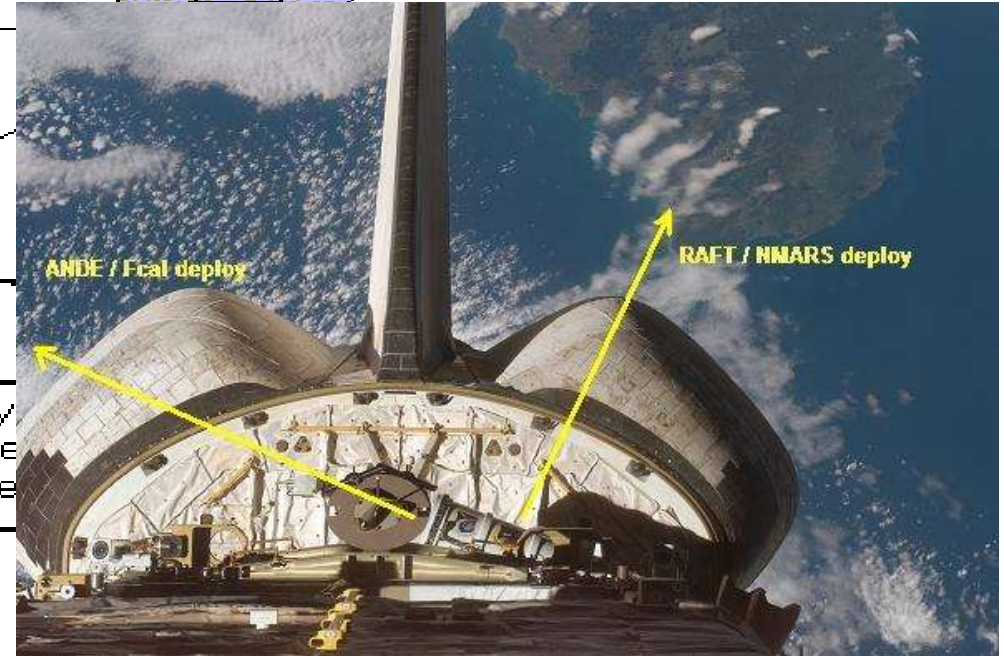
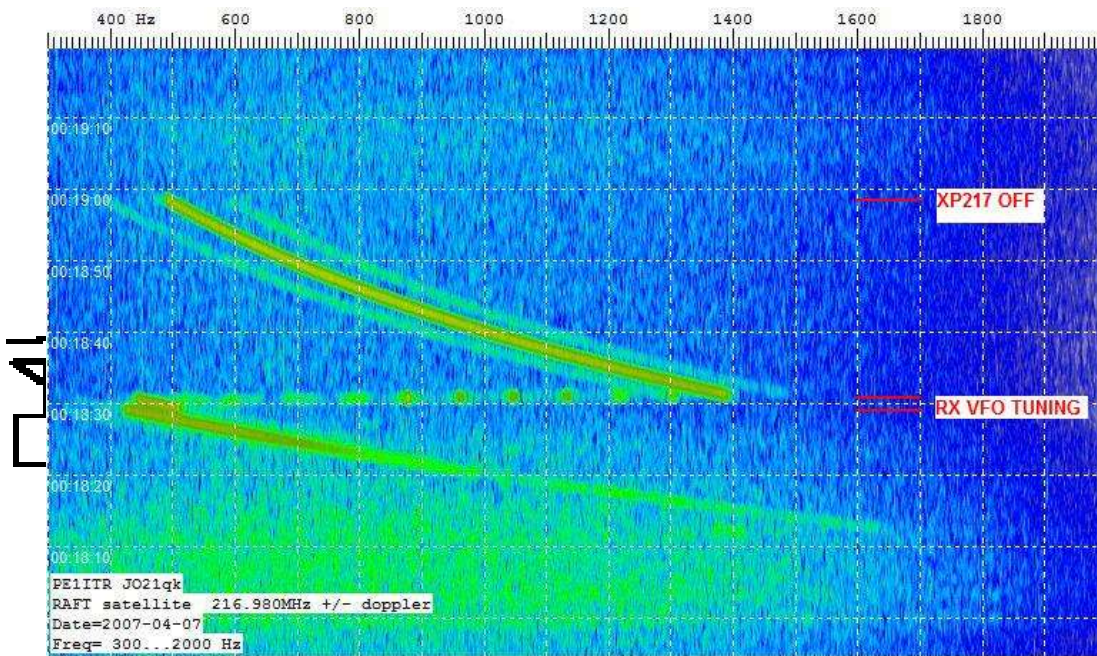
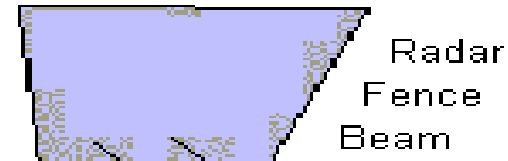
- NASA projecten
- Ondersteund door SCU (San Jose)



- Mislukking, Ontdekking, Spanning boven Spanje

RAFT, ANDE, MARS, FCAL

- USNA Satellite, Bob Bruninga
- PE1ITR/Rob, DK3WN/Mike, PA3GUO/Henk



Internet

Vragen?