



#### **SUMMARY**

- → MISSION
- ESTABLISHING SPACE SITUATION
- DETECTING AND EVALUATING THREATS
- SUPPORTING OPERATIONS
- → ATMOSPHERIC REENTRIES FOLLOW-UP
- → DSE AND GEIPAN



### **MISSION**

Assigned to French Air Force by French Code of Defense

- → In order to:
  - detect and assess threats
  - report situation to Governmental and defense authorities (intelligence and support to operations)
  - give the alarm in case of space hazards
- Extended air defense mission, this mission is permanent

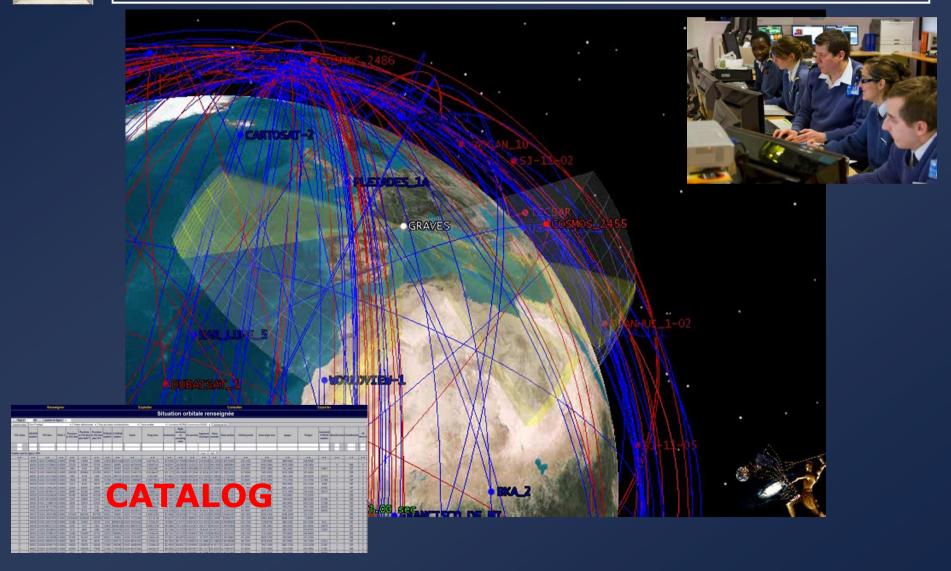


# ESTABLISHING SPACE SITUATION LEO SURVEILLANCE





# ESTABLISHING SPACE SITUATION CATALOG

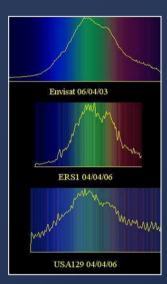




# ESTABLISHING SPACE SITUATION DEEP SPACE SURVEILLANCE

→ OSCEGEANE (spectroscopic characterization of GEO satellites)

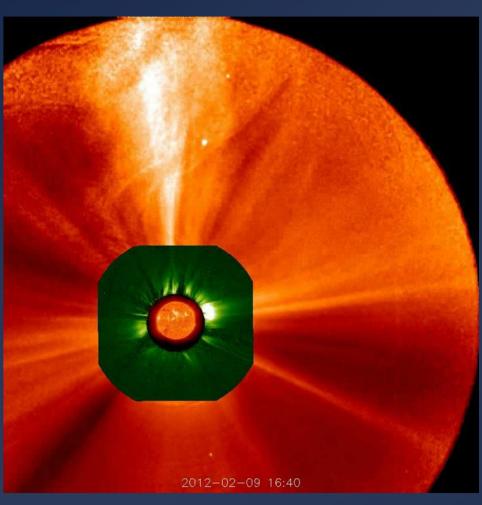




→ TAROT (CNRS, CNES) for proximity lookout



# ESTABLISHING SPACE SITUATION SPACE WEATHER



Warn MILCOMS of possible jamming/disruption

Provide advice to by-pass difficulties

AWACS (RAP) GPS

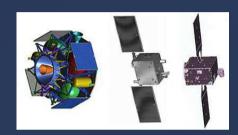
**FEDOME** (a federator of open-source and scientific data)



### **DETECTING AND EVALUATING THREATS**

- Mainly through analysis
  - Proximity operations
  - Jamming
  - Blindness
  - Furtivity

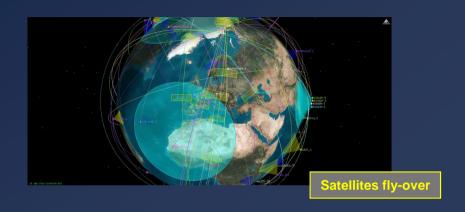




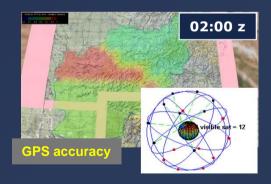




## **SUPPORTING OPERATIONS**



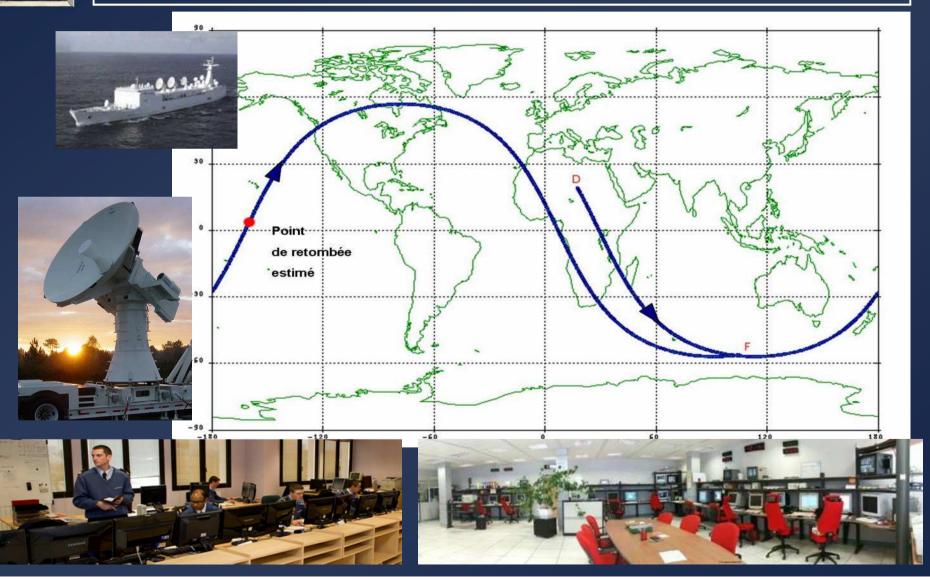








### **ATMOSPHERIC REENTRIES FOLLOW-UP**





### **DSE & GEIPAN**

- → GEIPAN appels
  DSE in order to
  make sure that the
  unidentified
  aerospace
  phenomena (UAP)
  has been detected
  by GRAVES radar
- DSE tries to identify the UAP to the space situation.

