

# Beating the Odds

Monica M. Grady

The Open University

**Enterprise Tuesday**  
**Judge Business School, Cambridge**

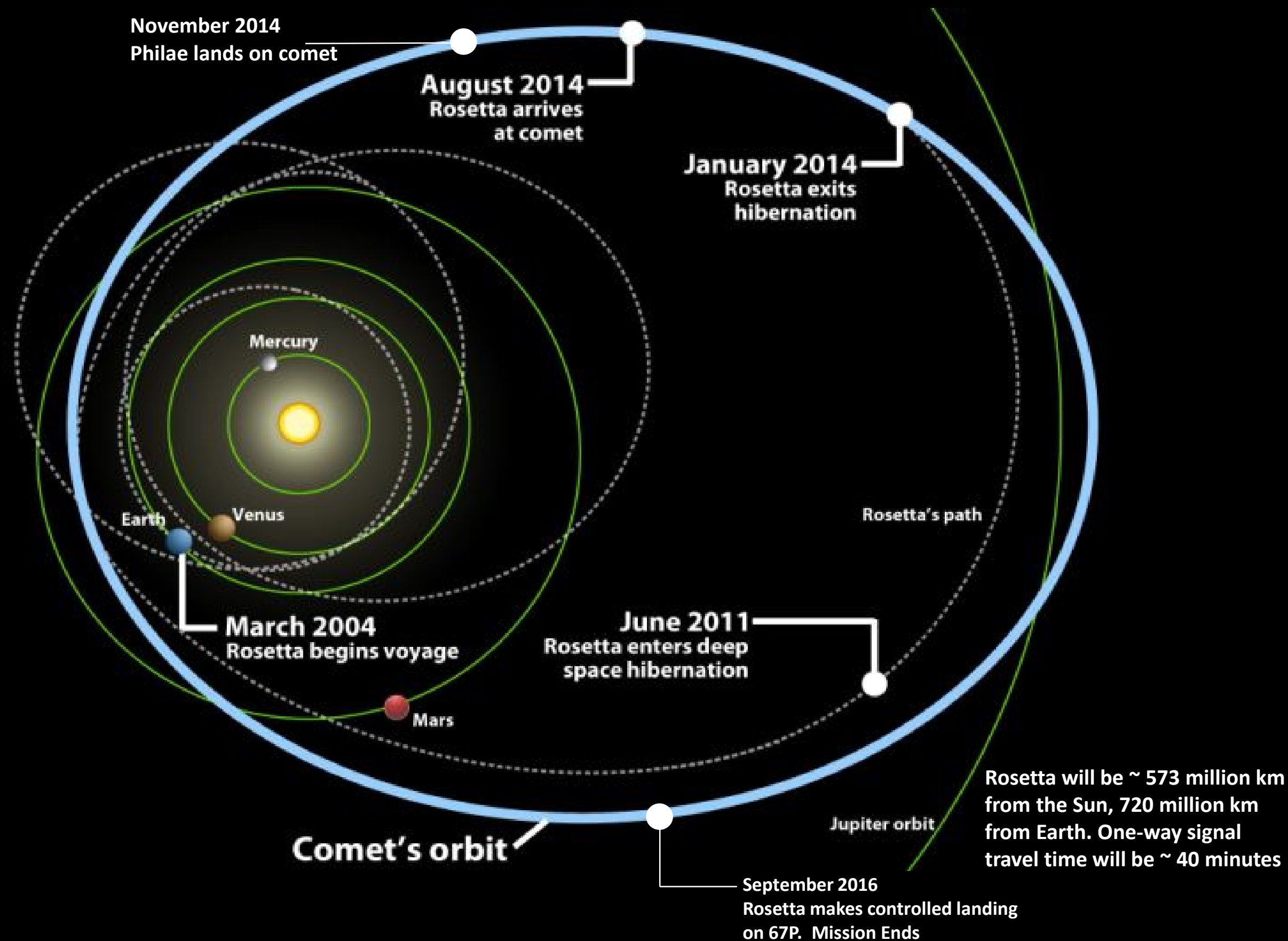
Note: all images in this presentation are © ESA, unless stated otherwise

# Beating the Odds:

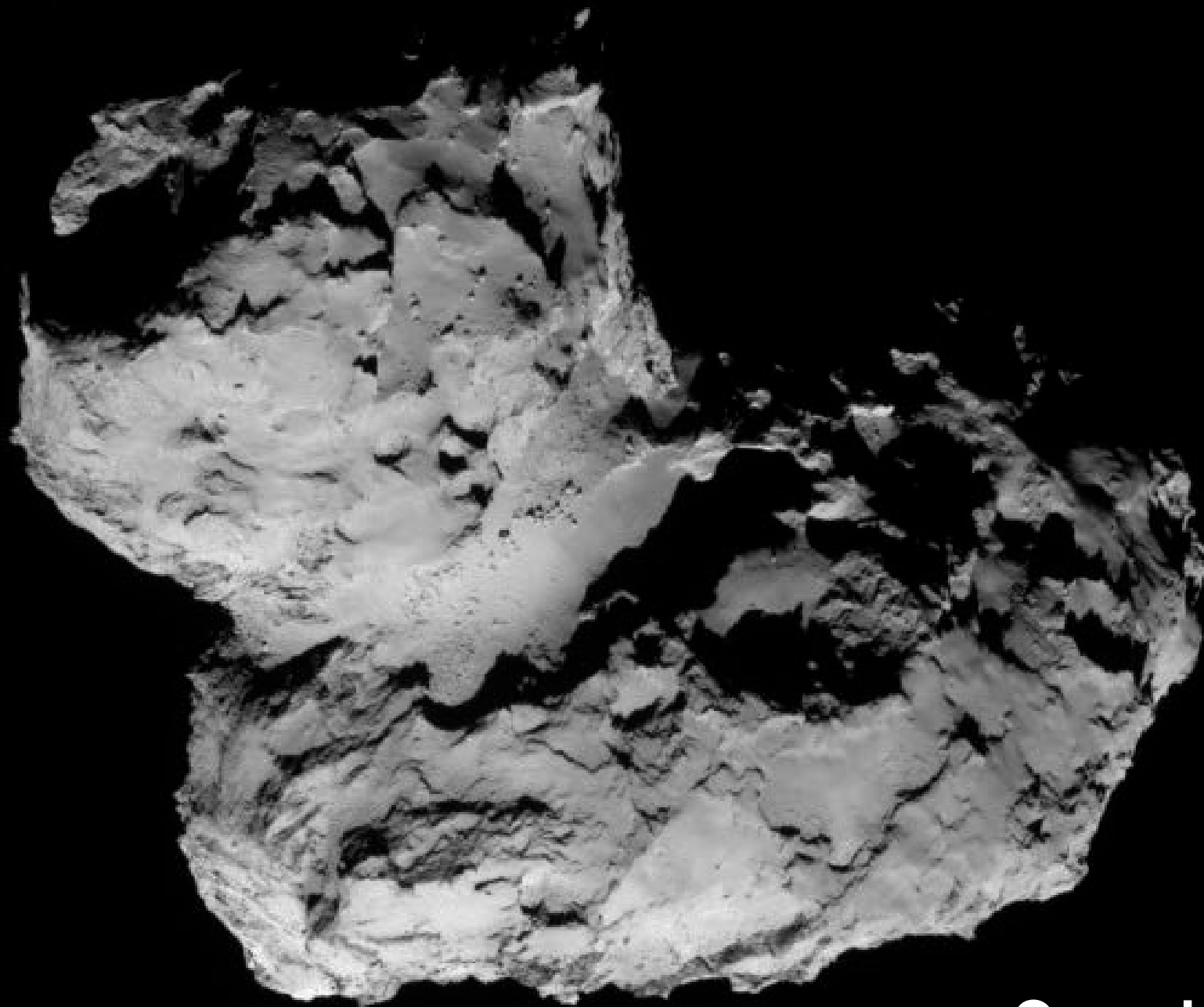
Planning and carrying out a space mission to a comet

- What could (did) go wrong – and how were those problems solved?
  - Launch
  - Landing Site
  - Landing

# Rosetta: Mission Timeline from Launch

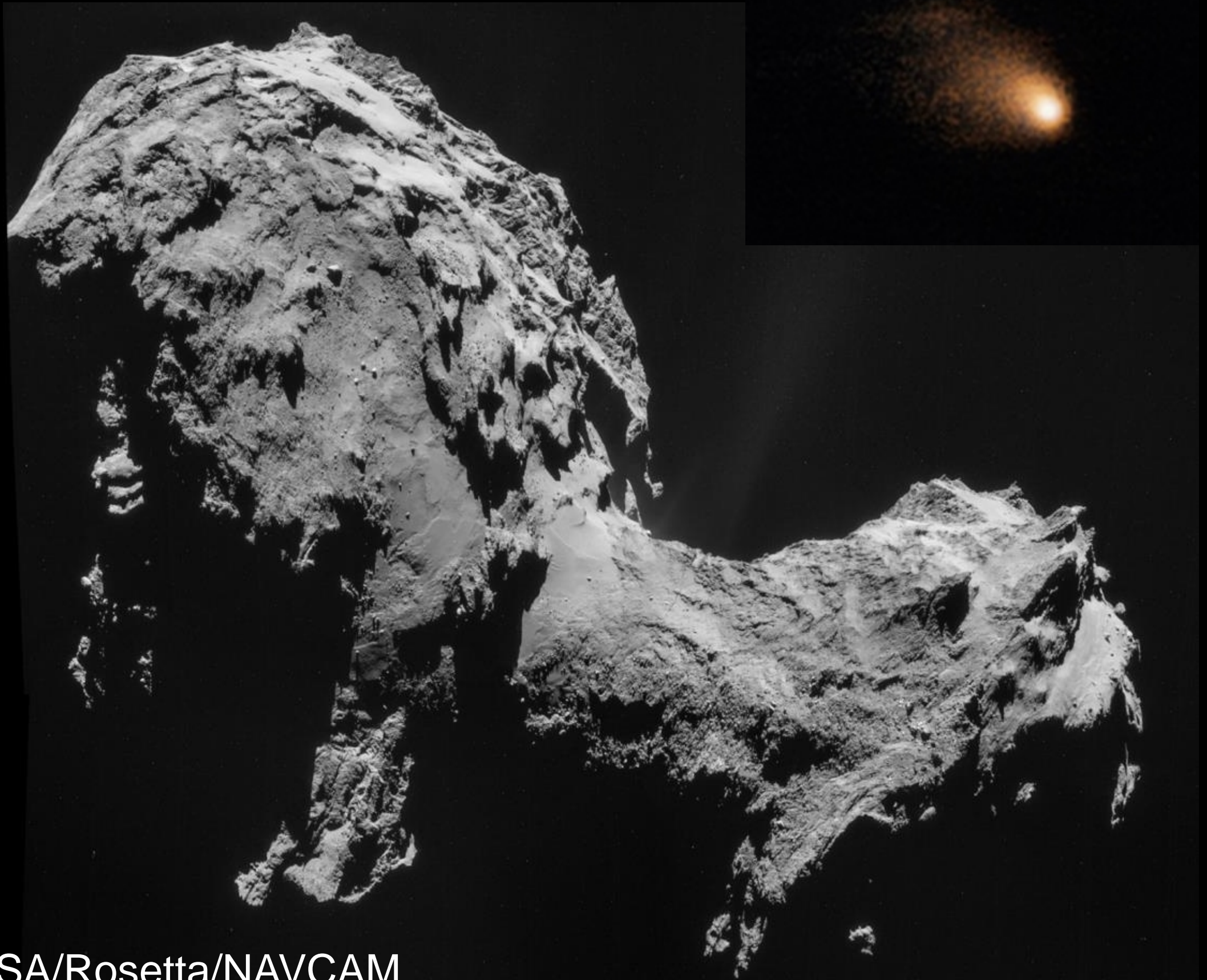


# Comet P/67 Churyumov-Gerasimenko



Copyright: ESA/Rosetta/NAVCAM

# Getting closer.....



Copyright: ESA/Rosetta/NAVCAM

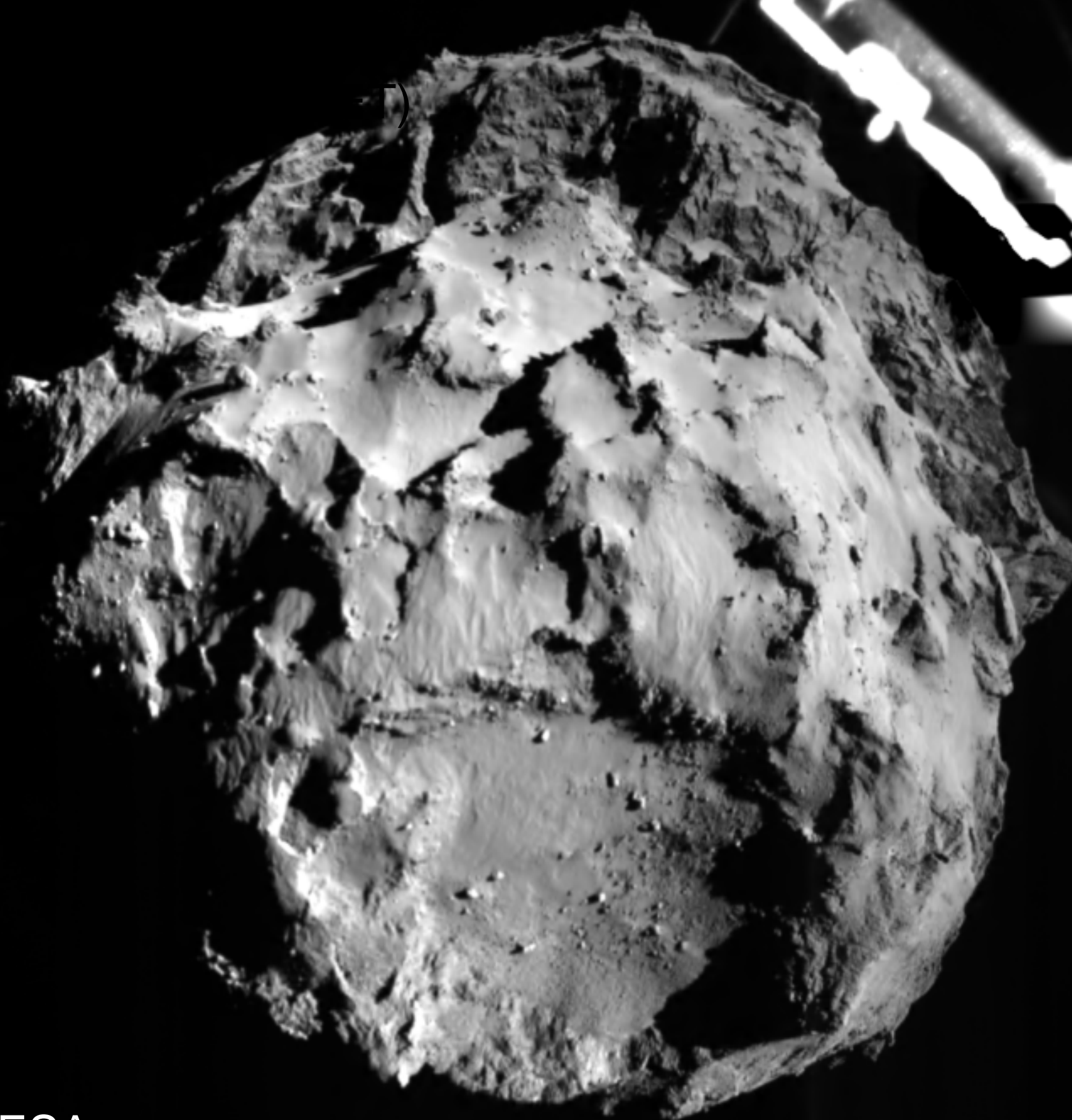
# Philae from Rosetta

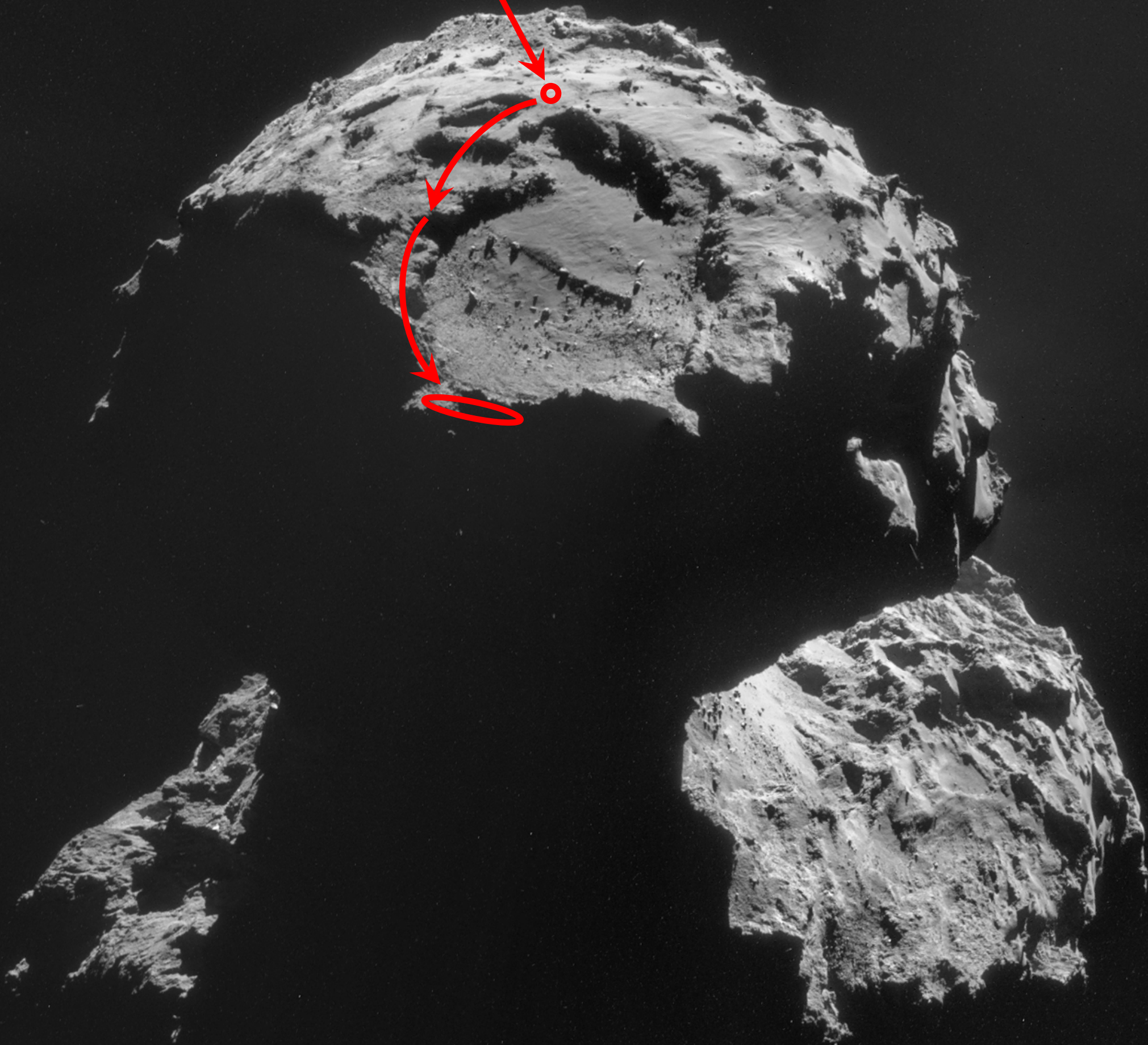


Copyright: ESA/Rosetta/NAVCAM



# Churyumov-Gerasimenko from Philae

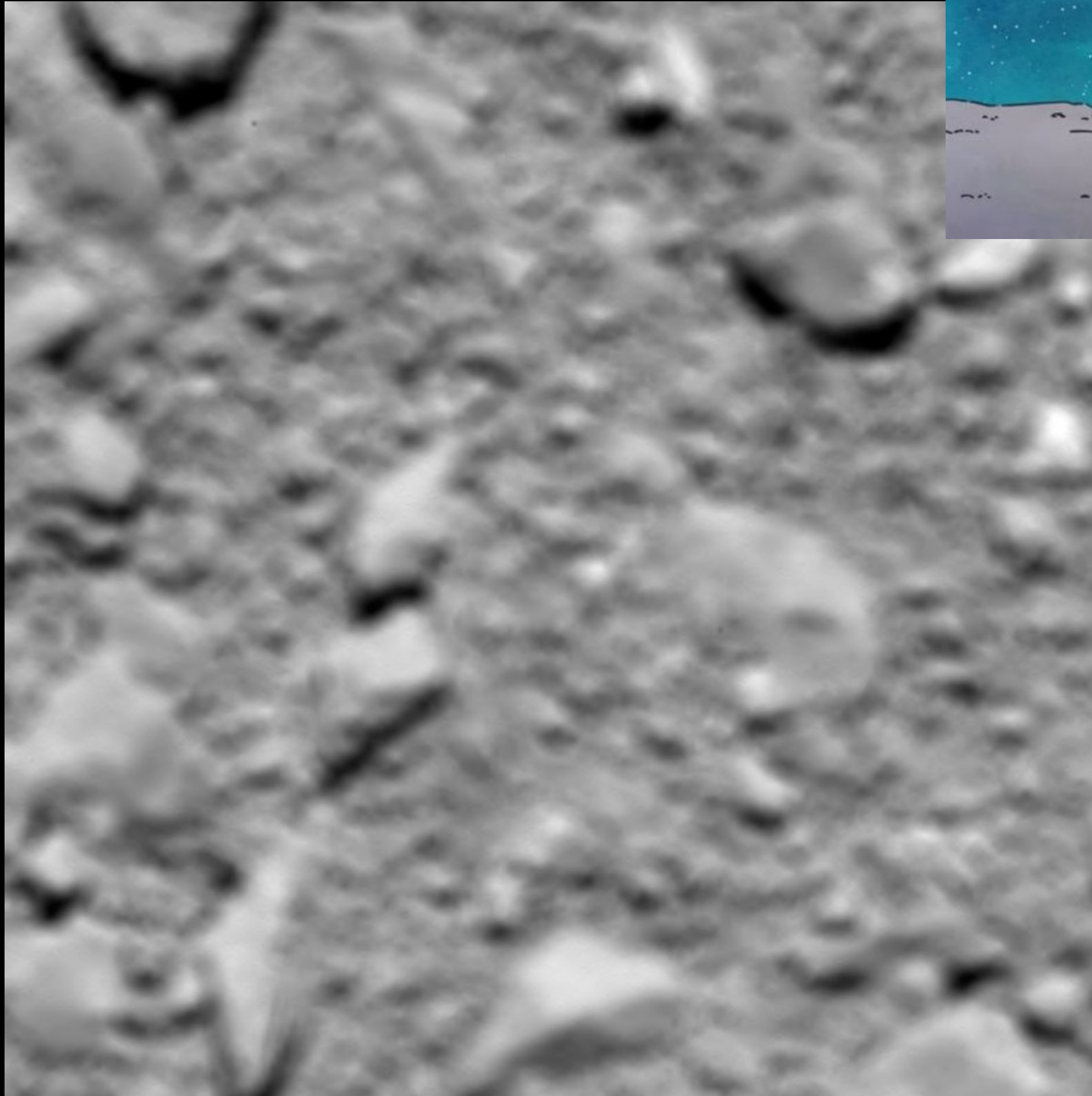






# The Final Frame

Copyright: ESA/Rosetta/NAVCAM



# Lessons Learned:

- Be ambitious
- Be flexible
- Be co-operative
- Be collaborative
- Be optimistic



**Title:** Comet on 15 June 2015 – NavCam  
**Released:** 24/06/2015 10:00 am  
**Copyright:** ESA/Rosetta/NAVCAM – CC BY-SA IGO 3.0

