Hubble Status Report

Space Technologies
Present and Future
Dnepropetrovsk
May 19th, 2015

Claude Nicollier
ESA & EPFL
Expected resolution of the Telescope, compared to other optical systems.
A very carefully polished primary mirror, but there was a problem...
25 Years Hubble Space Telescope in orbit (April 24, 1990)

STS-31 on Discovery April 24, 1990
HST payload 11’878 kg

Orbit:
\[ h \, 600 \, \text{km} \]
\[ i \, 28.5^\circ \]
25 Years Hubble Space Telescope in orbit

SM 1 in Dec 1993
SM 2 in Feb 1997
SM 3A in Dec 1999
SM 3B in Mar 2002
SM 4 in May 2009
COSTAR installation
A happy crew!
SM 3A Training
HDF (Hubble Deep Field) position in Ursa Major
HDF final, unretouched, an amazing result!
James Webb Space Telescope (JWST)

Studying the very distant Universe & exoplanets

Launch date 2018
Thank you for your attention!
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