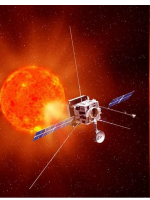


An Overview of CAU Clean Room Facility

Bob Wimmer
CAU Kiel
on behalf of CAU team

EPD TIM
Valencia
March 4-6, 2014

Introduction

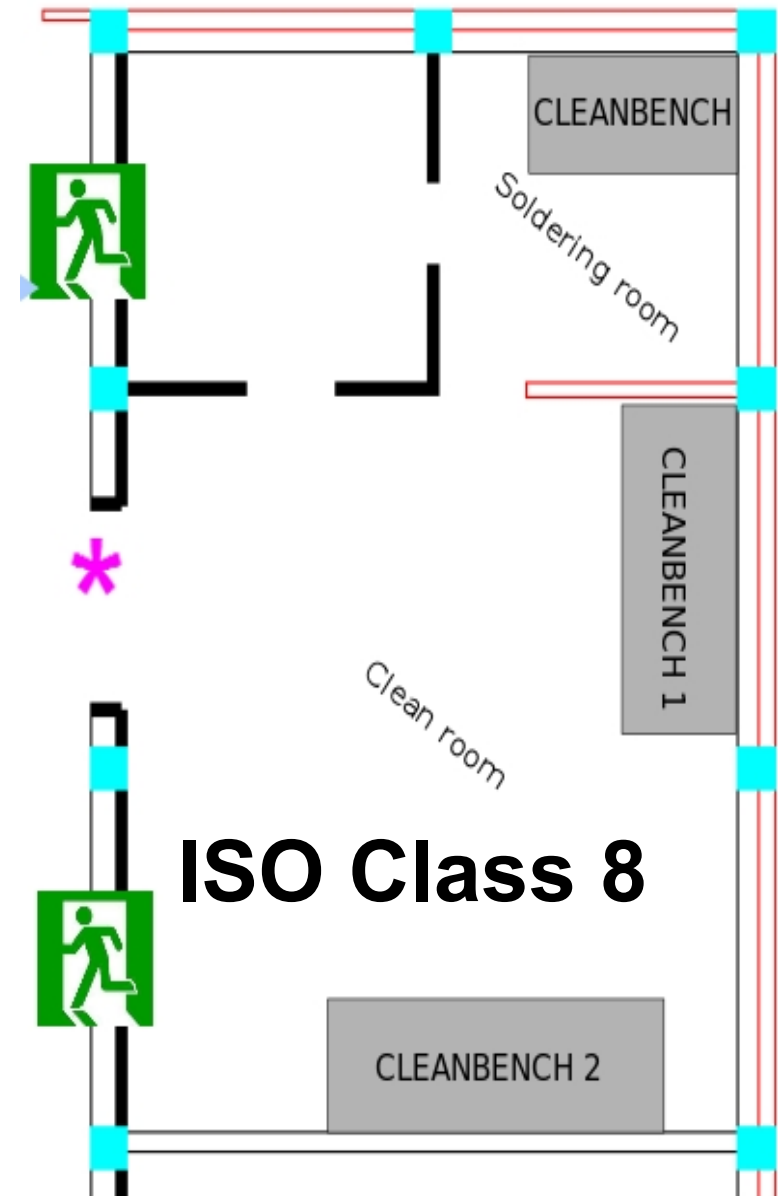


**ISO Class 8
Clean Room**

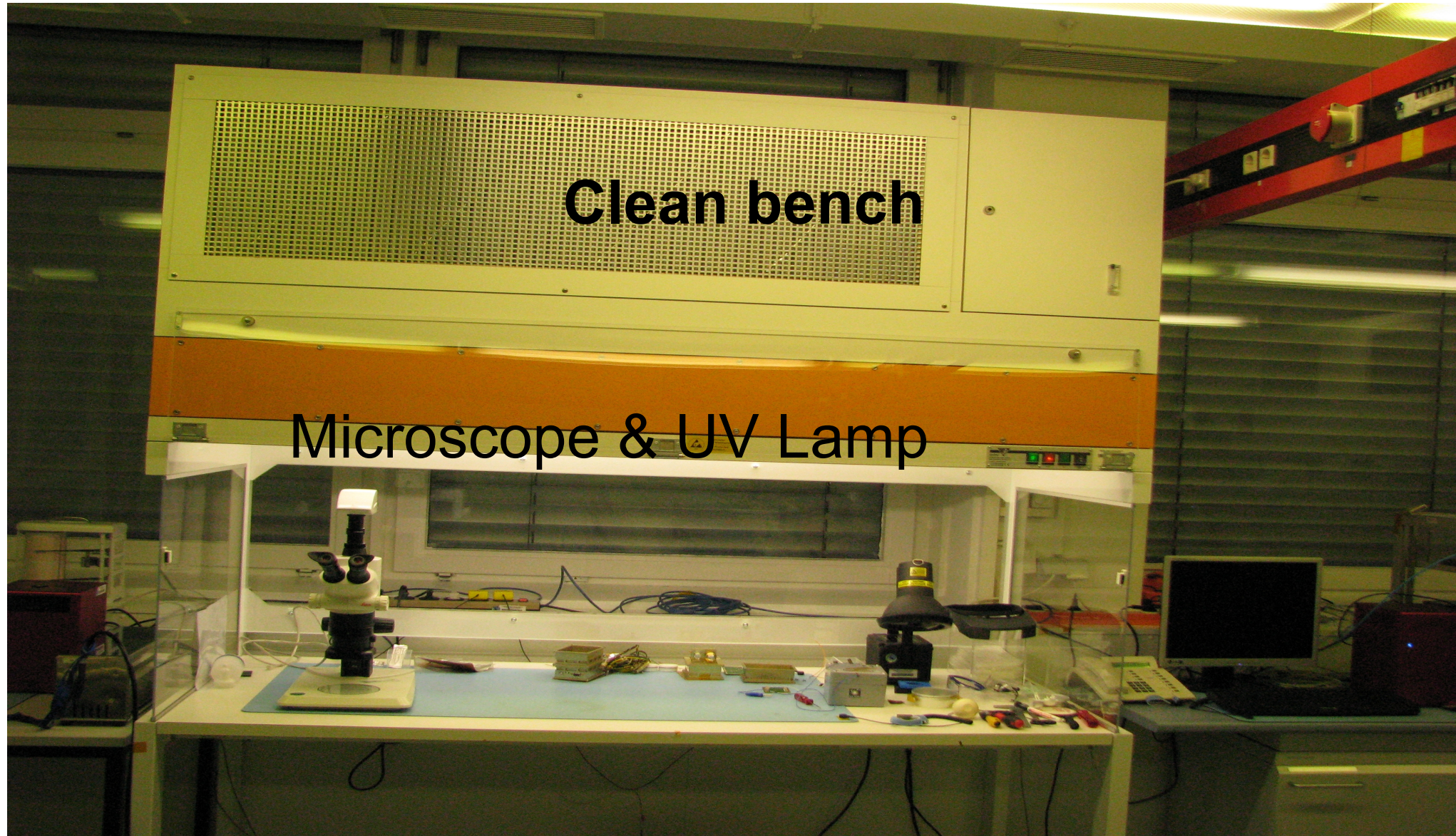
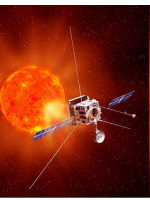
Clean room dress



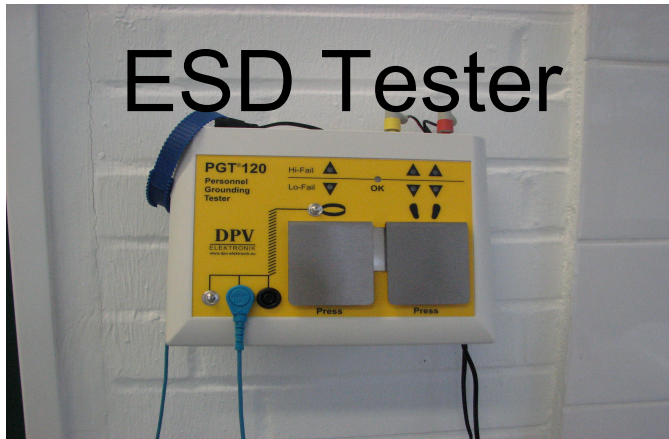
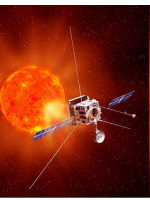
Clean Room Picture & Layout



Clean Room Facilities I



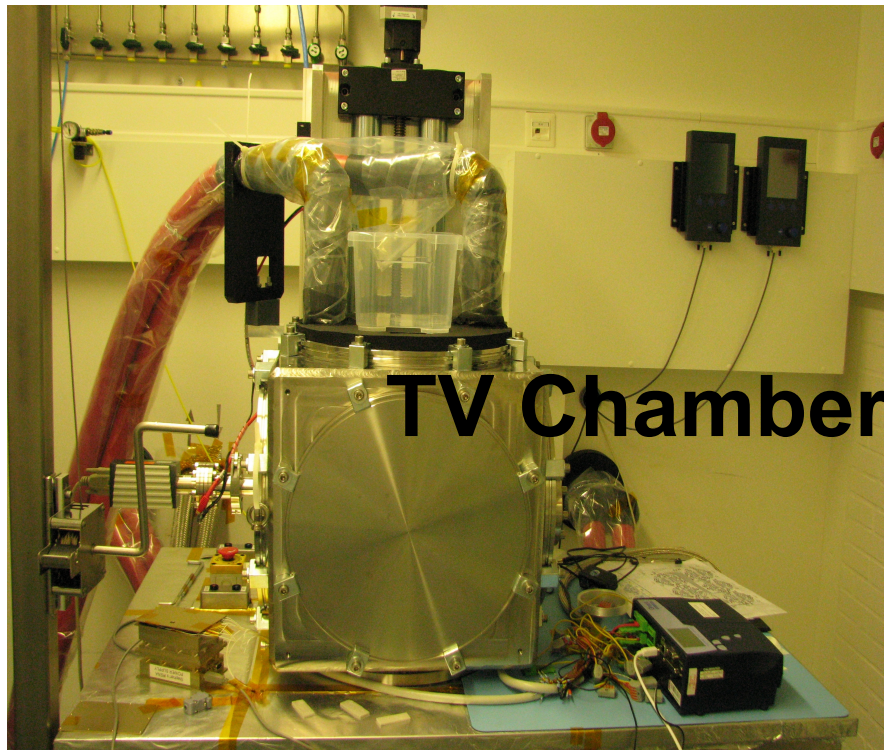
Clean Room Facilities II



ESD Tester



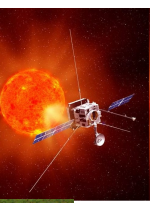
EE part &
Detector storage



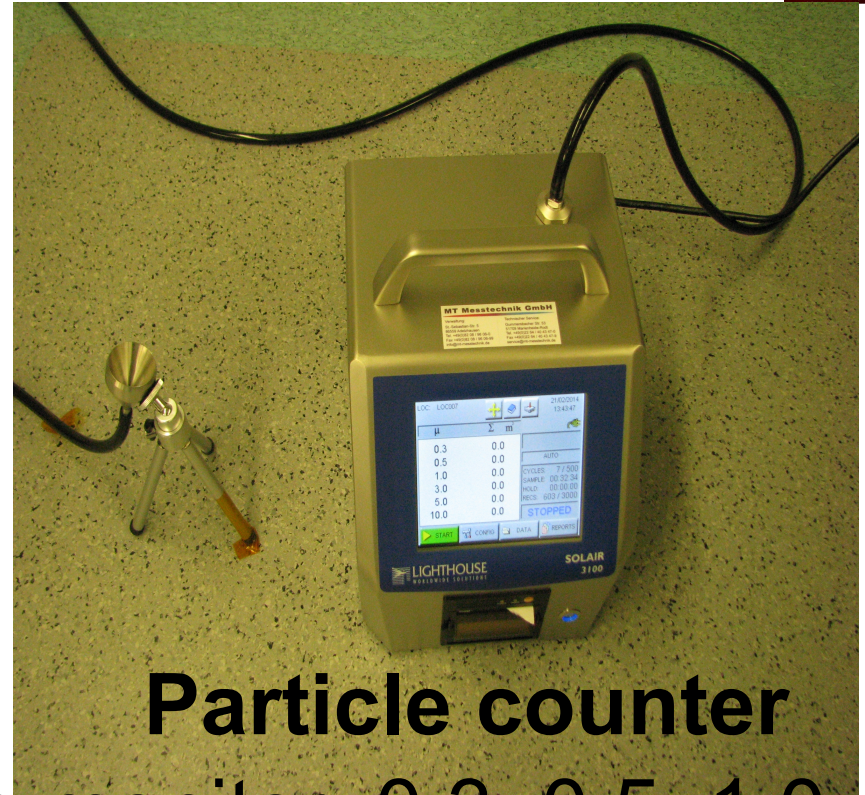
TV Chamber

Precision
balance





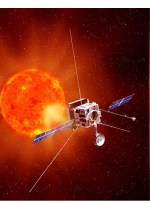
Air ionizer



Particle counter

Two particle counters One monitor: 0.3, 0.5, 1.0, 3.0, 5.0 & 10.0 μm size particles & another monitor: 0.5 & 5 μm size particles

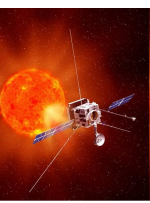
In addition to these humidity and temperature controller and monitors are present



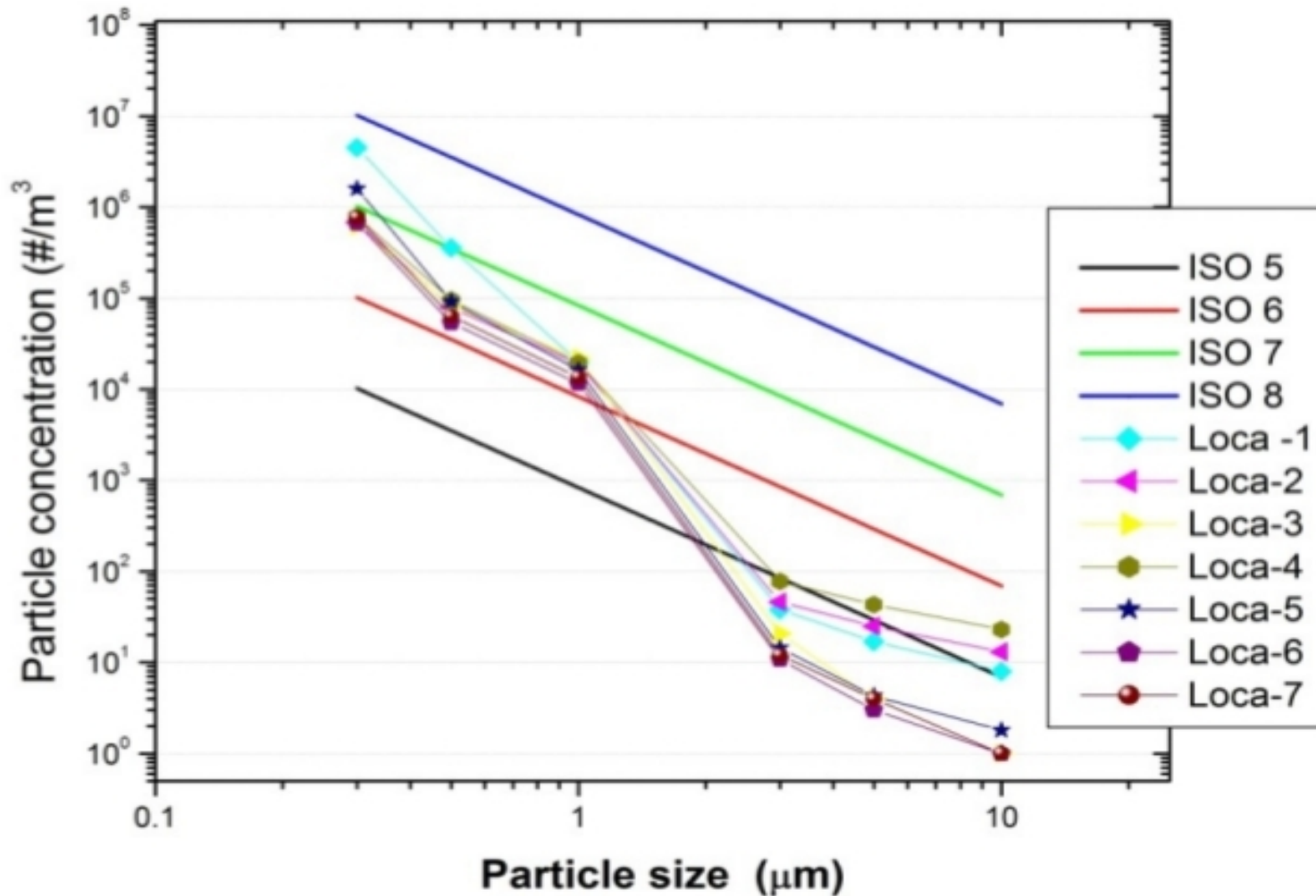
Maintain ISO class 8 environment always

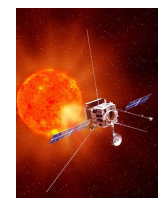
By continuous monitoring

- humidity,
 - temperature and
 - particle concentration
-
- ♦ Systematic & Thorough cleaning of in taking items
 - ♦ Visual inspection with magnifying glass and/or UV lamp of

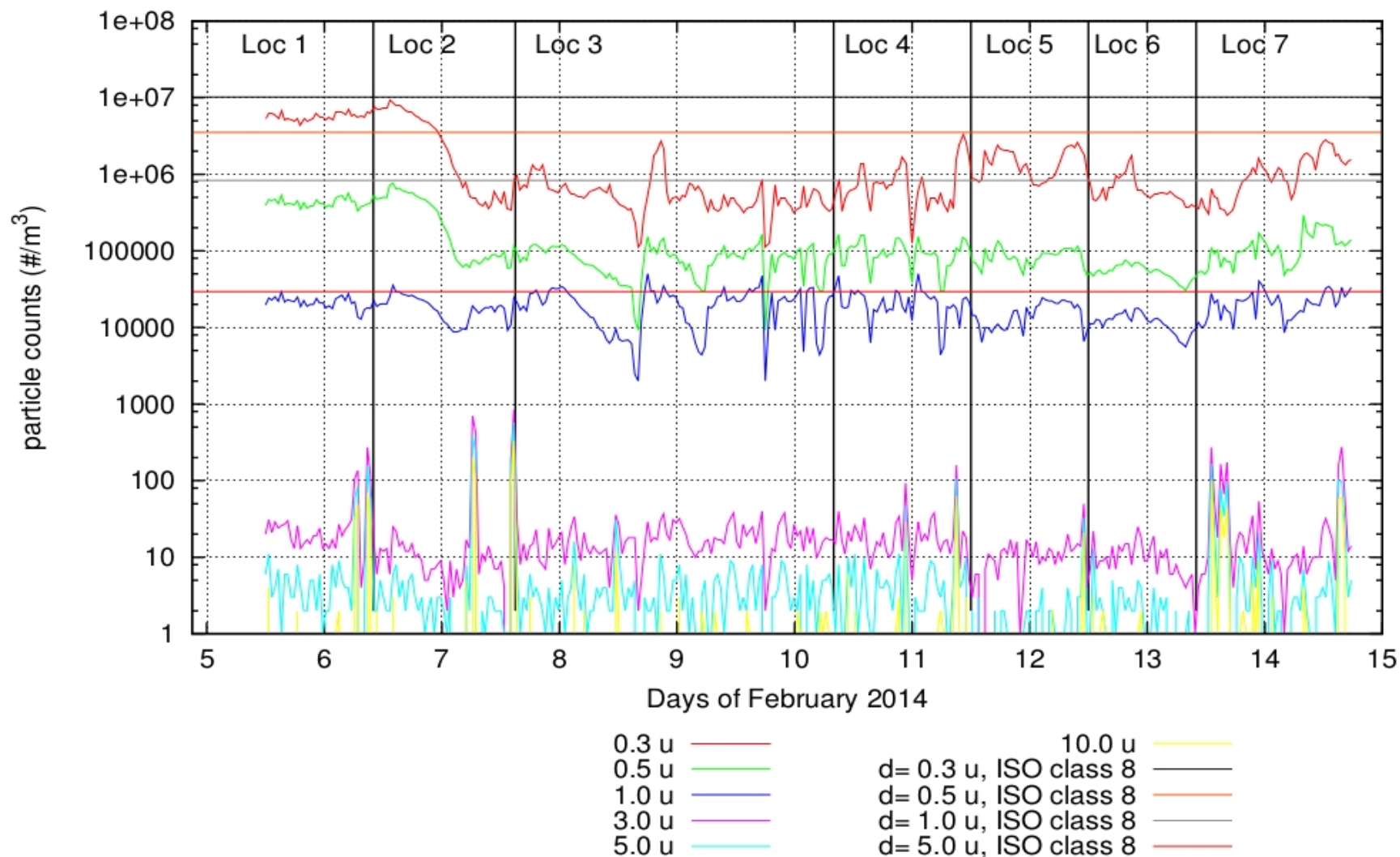


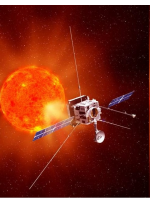
Measured at 7 locations on floor of clean room as per the EN ISO 14644





Clean room particle concentration measurement at 7 locations - by Shri Kulkarni





Clean room window

