Glenn Research Center

Soot, NO_x and Radiative Emission in Turbulent Diffusion Flames

NO_x Sampling

Frame grabber

Computer

Infrared Radiation Detector

From controller

Video

Filter

Camera

Sheet forming optics

Mirror

1064 nm

Fuel

2x 4x

Nd: YAG

XYZ translation

78563
11-29-99

MICROGRAVITY SCIENCE DIVISION
SPACE DIRECTORATE