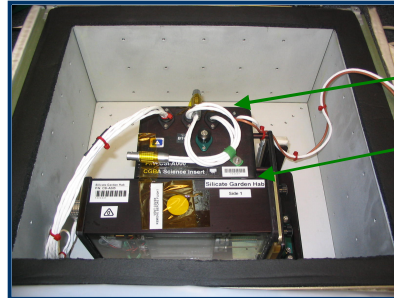


Research Applications

- Cell and tissue cultures
- Microbiology
- Small organisms
- Chemical studies
- Plant development
- K-12 education experiments

General Features

- Black and white or color images with 480 line resolution
- Infrared imaging available
- CCFL, LED, I/R and compact fluorescent lighting available
- 500 MB of on-board, non-volatile image storage
- Downlink data rates of 50 kbps
- Near real-time downlink with macroscopic or microscopic, still and video images
- Downlink image size with 50% jpeg compression = 50k
- Downlink image size with 0% jpeg compression = ~1MB
- Scheduling of live analog (NTSC) downlink sessions available
- An array of lenses with different field of view magnifications can be utilized



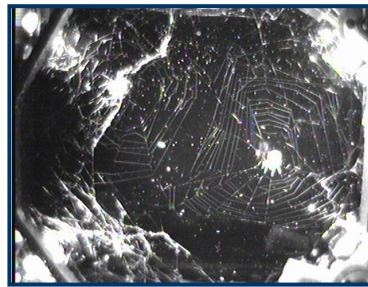
Experiment hardware loaded inside CGBA with imaging system

Imaging System

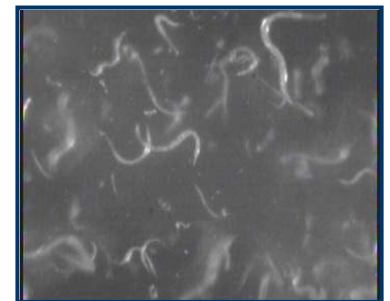
Experiment Hardware



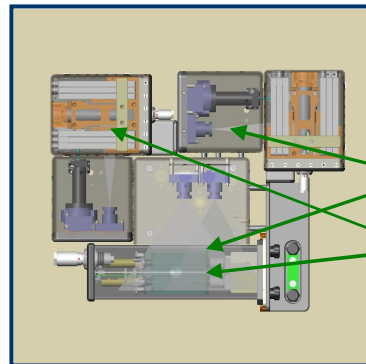
Silicate growth in flight



Spider web in flight



C-elegans in flight



Typical imaging/habitat set-up

Cameras

Habitats

For further information, please contact:

Stefanie Countryman, MBA
Business Development Manager
(303) 735-5308
countrym@colorado.edu

Louis Stodieck, Ph.D.
Center Director
(303) 492-4010
stodieck@colorado.edu

BioServe Space Technologies
University of Colorado
429 UCB, ECAE 1B02
Boulder, CO 80309
(303) 735-5308 Tel.
(303) 492-8883 Fax