

Upgrades to National Facility ALVIN

ALVIN Overhaul

Presentation to

DEep Submergence Science Committee

May 2001

Overhaul Changes/Upgrades

- Permanent 35mm cameras removed, unit available as required
- Port/Stbd strobes replaced with 200w HMI
- New single chip color cameras
- New 3-Chip color camera
- New observer camera control
- Change to DVCam digital video decks
- Flat panel color displays, 6", 15"
- (1) 486 computer replaced with (6) PIII's
- Data logger replacement, Win2000 based

Overhaul Changes/Upgrades (2)

- Laser gyro replaces mechanical gyro
- Integrated doppler/gyro navigation
- Sunwest CTFM sonar replaces Straza CTFM
- Imagenix profiler replaces Mesotech
- Acoustic modem for limited data transfer
- Improved panel lighting and illumination
- Science rack re-organization
- Increased leg room
- Lateral thruster planned
- Kraft manipulator to replace Schilling

Overhaul Changes/Upgrades (3)

