



UV Information and Contact

Name	ULISAR (National Autonomous Underwater Vehicle)
Mission Type	Inspections, research and data gathering

General Specifications

Beam (m)	--
Draft (when resurfaced) (m)	--
Frame	Composite
Tether description	Acoustic Link and/or Fiberoptic Cable(100 m)

Support Vessels Requirements

Control vane	--
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Speed Duration and Range of Operation

Diving and resurfacing speeds (m/s)	--
Max. cruising range	--
Normal dive duration (hours)	--
Cruising speed (m/s)	3

Max. Speed:

Forward (m/s)	--
Lateral (m/s)	--
Vertical (m/s)	--

Crew and Scientific Observers

Scientific observers (number)	--
Pilots (number)	--

Energy

Total Energy Available:

Propulsion and steering (kWH)	--
Scientific payload (kWH)	--

Propulsion and Steering

Thrusters (Thrust Force)

Aft (N)	--
Lateral (N)	--
Fore (N)	--
Vertical (N)	--
Control planes arrangement	--

Pressure Hull (Manned Sphere)

Inside diameter (m)	--
Material	--
Portholes	--
Thickness (m)	--

Trim Adjustment and Ballasting	
Trim adjustment and ballasting	--
Navigation Equipment	
Non-Acoustic	
Attitude and heading	gyro, magnetic sensor
Pressure sensor	2 pressure sensors
Acoustic	
Doppler	--
Altimeter	--
Longbaseline system	--
Ultrashort baseline system	--
Other equipment	Sidescan sonar, 6 acoustic transducers
Automatic Guidance and Control Capabilities	
Depth control	--
Altitude control (above the seabed)	--
Heading control	--
Speed control	--
Way-point tracking	--
Path following	--
Customer - Defined Instrumentation Support	
Dimensions	--
Power (kW)	--
Communication Links	--
Max. weight in water (kg)	--
Max. weight in air (kg)	--
Scientific Instrumentation and Tools	
Still cameras (number)	2
Lightning (number)	2
Manipulator / Sampling	--
Video cameras (number)	--
Total power (kW)	--
Additional Information	
Examples of missions executed	--
Examples of scientific data acquired	--
Other	--