

Space Details

Key:	MASE
Name:	900701 MASE-MBARI Axial Seamount Experiment
Description:	
Creator (Creation Date):	kgomes (Jul 30, 2007)
Last Modifier (Mod. Date):	kgomes (Jun 12, 2008)

Available Pages

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This page last changed on Jun 18, 2008 by [chma](#).

This is the home page for the 900701 MASE-MBARI Axial Seamount Experiment space.

Current Schedule: [2008_06_18MASEGantt.pdf](#)

Project Meeting Notes

Science Functional Requirements



Project Documentation Link

Check this link below for tips on storing MASE documents and suggested minimum standards:

[2008_06_03_MASEDocumentationGuidelinesAndStandards.pdf](#)

Comments

Here's the final version of the phase 1 submitted proposal: [900701_AxialSeamountFinal.doc](#)

Posted by [chma](#) at Aug 05, 2008.

Engineering Design Documents (selected)

This page last changed on Jul 28, 2008 by [chma](#).

[SoftwareDeploymentDiagramRev.1.6.pdf](#) Diagram showing our current concept of where MASE data-processing elements reside on the deployed at-sea network.

[2008_06_19_NTP_TestSetup.pdf](#) Diagram showing the current building G test network configuration.

Location analysis maps and discussion

This page last changed on Jul 17, 2008 by [paje](#).

[2008_06_11_AxialObservatoryMap_prelim.jpg](#)

I have loaded into Alfresco a [location map](#) of the summit of Axial Volcano with our preliminary buoy, geo nodes, and hydro node sites connected by cable runs that take into consideration seafloor terrain. Cable route distances are indicated. The MASE buoy is a little south of where the NeMO buoy used to be, but still is as far away from the NeMO instrument sites as it used to be. Geo node 1 is located at a NeMO benchmark and BPR site, and the Hydro node at their RAS site. Several of the geo nodes are outside the caldera in regions we hope to map with the AUV this summer, but are covered by EM300 data. Positions of the preliminary node locations are as follows:

Node	Latitude	Longitude	Depth
MASE buoy	45.938007	-130.007121	-1547.8
Geo node 1	45.9552	-130.01005	-1536.9
Geo node 2	45.950912	-129.971544	-1525.5
Geo node 3	45.914742	-129.962502	-1580.0
Geo node 4	45.911048	-130.00589	-1555.3
Hydro node	45.933167	-129.982285	-1522.1

From Mark C. 7/16/2008: Here is an additional map from Bill Chadwick showing 1.25km buffer around currently visited Axial sites: [nemo_mbari.jpg](#)

From Jenny P. 7/17/2008: A new map is in the Alfresco site, which shows 1162m watch circles (recalculated by Mark yesterday based on a better depth estimate: "The correct watch circle radius for a 1.25 scope and 1550 meter depth is 1162 meters.") [AxialObservatoryMap_prelim2.jpg](#)

Timing analysis maps and discussion

This page last changed on Jun 12, 2008 by [chma](#).

[All stations map.pdf](#)

[South station missing.pdf](#)

[TimingStudy1_OReilly.pdf](#)

[missingSouth-10msec_OReilly.pdf](#)

.bookmarks

This page last changed on May 30, 2008 by .



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