

Schmidt Ocean Institute Technical Documentation

Schmidt Ocean Institute

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Preface

Schmidt Ocean Insititute

Public technical documentation related to data systems.

1 Introduction

This will be a book that contains chapters on accessing data systems while onboard R/V Falkor (too)

2 Cruise Data Directory Structure

3 Dashboards

4 Sealog-Subastian Configuration and Use

R/V Falkor (too)

4.1 Overview

Sealog SuBastian is a smart event logger for ROV SuBastian dives that couples key metadata (such as video framegrabs, vehicle position, vehicle depth, water temperature, etc.) with each event. Sealog can be configured for each cruise to better support a science party's specific data logging needs. After each dive, Sealog creates an extensive "Dive Summary PDF" with all the events recorded during the dive, along with other useful graphics.

4.2 Orientation

Sealog can be found either at 10.23.11.25/sealog-Sub/ in any web browser, or you can use the "Sealog-Subastian" link at 10.23.11.25. Currently, Sealog can only be reached while onboard the ship.

4.3 Login

We recommend that each science party member create their own individual login for Sealog. With each event entry, along with the scientific metadata, the system will keep track of the user that submitted the entry. There is also a guest login that has access to creating events, but has restricted access to event template configurations.

4.4 Templates

System templates are event configurations that are logged and maintained by the ship's crew to monitor key milestones during each dive (ex. in water/out of water times, on/off bottom times, video start/stop). These events are admin access only and cannot be edited by the science party. Event templates can be edited by the science party and are meant to be tailored to meet the science parties' data logging needs.

User Registration

Username *

Full Name *

Email *

Password *

Confirm Password *

Please Sign In

4.4.1 Event Template Configuration

This section will orient you on how to create Sealog “events.” It is important to note that the primary way of accessing exported data is via a spreadsheet. All “Event Values” and “Event Option” names should be concise.

4.4.1.1 Adding an Event Template

- Once logged in, navigate to “System Management” then select “Event Management.”
 - Please note you need to be logged in as a user, “Guest” does not have event manage-

ment access.



- On the right hand side, the open for “Create Event Template” will allow you to create

Create Event Template

Button Name *

Event Value *

Template Categories (comma delimited)

i.e. biology,geology

☐ Free text Required?

+ Add Option

Reset Form

Create

a new event.

4.4.1.2 Button Name

Button name is the title of the event. In the example below, the button name is “Video Logging” and is used by the SuBastian team to log when the DVR’s begin recording.