The LSS Database is a Web base application that uses an SQL database with Apache Web server. To help the user get familiar with the system a data simulation feature is available in the Notifications Administrator view as shown in figure 1.

LSS Database 🕞 Logout 🛽	Theaters 🖿 Screens 🖪 Notifications	🌣 Configure 🗸
Notifications Settings		Display Settings Modify User
Server Domain Name	Issdb.uslinc.com	Add User Modify Groups
From Email Address	root@localhost.com	New Company
From Name	LSS Web Server	Notifications Admin
Run In Background	V	
Last Cron Run Date/Time	Tue Jun 30 2015 12:17:01 GMT	
Interval Microseconds	1000	
Test Notification, Simulated LSS-100 Data		
	InTest Data 1	

**Figure 1 Notifications Administrator** 

This page contains configuration settings that define information to be used in the contents of a notification email. The Server Domain Name defines the hyper link to the LSS Database application to bring up the respective screen data for the item selected within the email. When the LSS data is received it is immediately stored in the database. At some defined period a cron scheduler is used to process the received data. When the cron process executes, the notifications are processed and the assigned users are sent notification emails.

For testing and getting familiar with the system, the Test Data buttons are used for generating LSS-100P data reports. Since the data is presented in a data set over time, the simulator will generate several days of data in the past to present. With a history the graphical view is more complete and contains a number of days of simulated data.

As shown in figure 2, the activation of the simulated data generates measurements that are posted to the web service processing of the LSS-100P data.

LSS Database 🕞 Logout 🖡	Theaters 🛡 Screens 🛹 Notification		
Notifications Settings			
Server Domain Name	Issdb.uslinc.com		
From Email Address	root@localhost.com		
From Name	LSS Web Server		
Run In Background	V		
Last Cron Run Date/Time	Tue Jun 30 2015 12:17:01 GMT		
Interval Microseconds	1000		
Test	Notification, Simulated LSS-100 Data		
<ul> <li>LSS-100 Simualation test data logged</li> </ul>			
() Removed older simulated data.			

**Figure 2 LSS-100P Data Simulation** 

Prior to generating the simulated data, current entries are purged from the database. This will ensure a clean presentation of the data when view as historical points within the graphs. As mentioned the data is stored and can be observed in the Database Administrator's view. In this page the newest data record is presented to the user. In the LSS Data grid general information about the items stored in the database are available. This view includes notifications in the data grid to the right.

Once the simulated data has been saved in the database, the Screens view will allow the user to view them. As a system administrator all reports are available and can be viewed by selecting the theater and screen (auditorium).

Screens

## Theater USL #-1 San Luis Obispo -Screen 1 • Simulation Hardware Rev.C Firmware Rev.150309 Serial #100007 Network Location: 192.168.6.110 Date Range: 8 Graph Data Sun May 31, in the second s Color X Sun May 31, 2015 to Tue June 30, 2015 to ● Color X ● Maximum ● Minimum 0.351 Tue June 30, 0.340 Select Reading: AII 🗵 0.330 ) Color X Color Y 0.320 y Luminance SPL Left Channel 0.310 y Color X Maximum: 0.300198 y 0.300 Tue June 30, 2015 at 12:41PM-0700 Minimum: 0.2828 y 0.290 y Wed June 24, 2015 at 12:41PM-0700 0.283 06-24-2015 06-25-2015 06-27-2015 06-28-2015 06-29-2015 06-30-20

## **Figure 3 Screens View**

Additional details about the LSS Database are available in the User Manual.