

## SOS 4.2 Usage Statistics Webpage

With the release of SOS 4.2, play information will be reported back to NOAA - primarily to provide feedback to those creating and funding NOAA SOS datasets, but also to help SOS sites get an idea of what datasets are popular at other similar types of sites.

Four main parameters are recorded (1) Plays (2) Autoplays (3) Duration (4) Autoplay Duration.

**Plays** represent all plays of clips on the SOS machine. We only show statistics for NOAA datasets, but we also show you the proportion of plays we identified as NOAA datasets to plays we've identified as datasets you've made.

**Autoplays** represent the plays that occurred while SOS is in autorun mode. This number will be a subset of **Plays** recorded so we can make a distinction between docent-led presentations and autorun presentations.

**Duration** is the total amount of time a clip has been played, while **Autoplay duration** is the fraction of **Duration** that a clip has been in autorun mode.

Below is the basic view for the SOS usage statistics webpage.

The screenshot shows the SOS Usage Statistics webpage interface. It includes a header with the NOAA logo and title, a filter bar with search filters, a table of datasets, and a sidebar with filter options. Callouts provide detailed explanations of these elements.

**Number of datasets associated with search filters**: Points to the '448 Datasets Found' summary.

**Shows currently applied search filters**: Points to the filter bar showing 'Category: All Datasets | Played By: All Sites | Time: All Time | Filtered By: No Filters Applied | Sorted By: Dataset'.

**Click on these headers to sort results by the header's column**: Points to the column headers in the dataset table.

**Find dataset within search results**: Points to the search input field in the sidebar.

**Number of SOS sites contributing to statistics**: Points to the '1 SOS Locations Reporting' summary.

**Allow the selection of specific datasets**: Points to the checkboxes in the dataset table.

**Available dataset filters - click to expand**: Points to the expandable filter categories in the sidebar.

**Display results for active filters**: Points to the 'Display' button.

**Clear active filters**: Points to the 'Clear' button.

Dataset	Category	Plays	Auto Plays	Duration	Autoplay Duration
<input type="checkbox"/> 1000 - 700mb Precipitable Water by AIRS (11/1/05 - 11/1/06)	Atmosphere	316	0	0:20:38	0:00:00
<input type="checkbox"/> 2 Billion More Coming to Dinner	Extras	315	0	0:28:29	0:00:00
<input type="checkbox"/> 2004 Hurricane Season	Atmosphere	630	0	0:43:31	0:00:00
<input type="checkbox"/> 2005 Hurricane Season Water Vapor with SST	Atmosphere	315	0	0:21:51	0:00:00

## Filters

This section explains how the datasets can be filtered by different attributes, such as dataset category, who played the dataset, the dataset's format, and when the dataset was played. When multiple attributes are selected, the results are additive. This just means that if you select 'Atmosphere' and 'Ocean' from the 'Dataset Category' filter, datasets categorized as Atmosphere or Ocean will be returned.

**Played By:** These filters allow you to filter play events by site categorizations. This is useful if, for example, you're a planetarium interested in the most popular datasets among all planetariums.

**Dataset Category:** These filters allow you to filter datasets based on their categorization. Selecting different categories will activate the category by changing the button's font to black. By default, datasets for all categories are shown, so the 'All Categories' button is active.

**Time Period:** These filters allow you to pick play events that occur during a specified window of time. If you select 'week', 'month', or 'year', play events for the week/month/year so far will be returned. Specific dates may also be specified. Keep in mind, play event information will always be one day behind.

**Filter By:** These filters allow you to filter datasets by their format. For example, 'Movies' gets datasets that have movies associated with them. 'Static Images' gets datasets composed of static images. 'Real-time Data' selects our real-time datasets, such as our Color Enhanced Satellite dataset. 'KML Files' gets datasets that have KML type files associated. In theory, these would also open in Google Earth.

Once you have specified your search filters, be sure to click the '**Display**' button to apply them!

▼ Played By...

All Sites

School

Museum

Government

Zoo

Planetarium

Other

Aquarium

Science Center

University

▼ Dataset Category

All Categories

Atmosphere

Land

Overlays

Models & Simulations

Ocean

Extras

Astronomy

▼ Time Period

Week

Month

Year

Date Selector

Start Date:

End Date:

▼ Filter By...

Movies

Static Images

Realtime Data

KML Files

Display Clear

'Clear' will remove active search filters.

## Data

Clicking on a dataset title will expand the section to show a graph of specific play event information by month. You'll notice that there are two bars for each month (x-axis) and two y-axes. The left y-axis specifies number of plays and corresponds to the blue (left) bar. The right y-axis specifies length of play duration and corresponds to orange (right) bar. The play bar and duration bar both have embedded bars, which represent autoplays and autoplay duration, respectively. Hovering your mouse over any of the bars will tell you what the bar represents and its value. Play event collection is dependent on SOS sites upgrading to software version 4.2 as well as having a connection to the Internet, so play event information may be sparse until a few sites have adopted version 4.2.

For sites interested in doing their own number crunching, an 'export to csv' function has been provided. The 'Export all to csv' will export raw data for all the datasets on the page. If you just want data for a single dataset, there is an 'Export data to .csv' under each dataset's graph. If you want raw data for some selected datasets, activate the checkbox next to the datasets you're interested in, click the 'Display' button, then click 'Export all to .csv'.

Finally, the usage statistics portion of the website is a work in progress. Let us know if there are specific things you're interested in!

