

# Surface Data Load

## Purpose

The Surface Data Load tool lets you load surface data from a file. At present, it supports 3 different file types( .srf, .sur and .pcd). The .srf file type is our custom file format, you can not import this type of file in other software or libraries. The .sur file type is from the software named Mountainsmap, and you could import the file saved by this software. The .pcd file type is from PCL(Point Cloud Library). You could read or write this type of file using it.

## Inputs

Inputs
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Stream Input
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Name	Description
Stream Input	The input stream.

## Parameters

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Load File

FileName

File

Operation

Normal

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Format

.srf

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Loading Mode

By Name

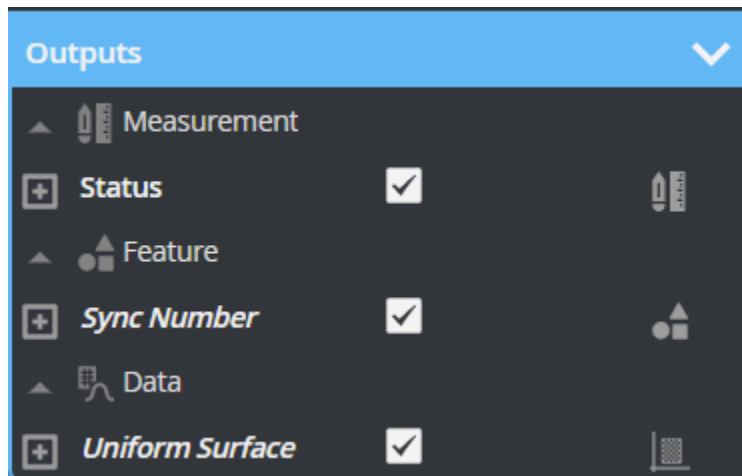
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External ID

SurfaceDataLoa...

Name	Description
FileName	The file name loaded by the tool. It is only used to show the information.
File	The file that the user selects.
Operation	<p>The operations the tool supports. There are several options like the following.</p> <ul style="list-style-type: none"> <li>• Normal - Do nothing.</li> <li>• Load - Load the file in File once.</li> <li>• Delete - Delete the file in File.</li> <li>• Refresh - Refresh the file list in File.</li> </ul>
Format	The file extension loaded by this tool. It supports .srf, .sur, and .pcd.
Loading Mode	<p>The loading mode used by this tool. There are two options like the following.</p> <ul style="list-style-type: none"> <li>• By Name - Operate the selected file in File</li> <li>• Continuously - Operate the file according to file index order</li> </ul>

## Outputs



Type	Name	Description
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Measurement	Status	The value which describes the operation status. If it is equal to 1.0, it implies that the operation is successful. Otherwise, the operation fails.
Data	Uniform Surface	The surface data loaded by this tool.

## Major Revisions

- For the .srf file type, it corresponds to the .srf.user file type in Classic, and this tool will load the intensity information if the intensity information exists in the input file. In the Classic, it doesn't load the intensity information for the .srf.user file type.