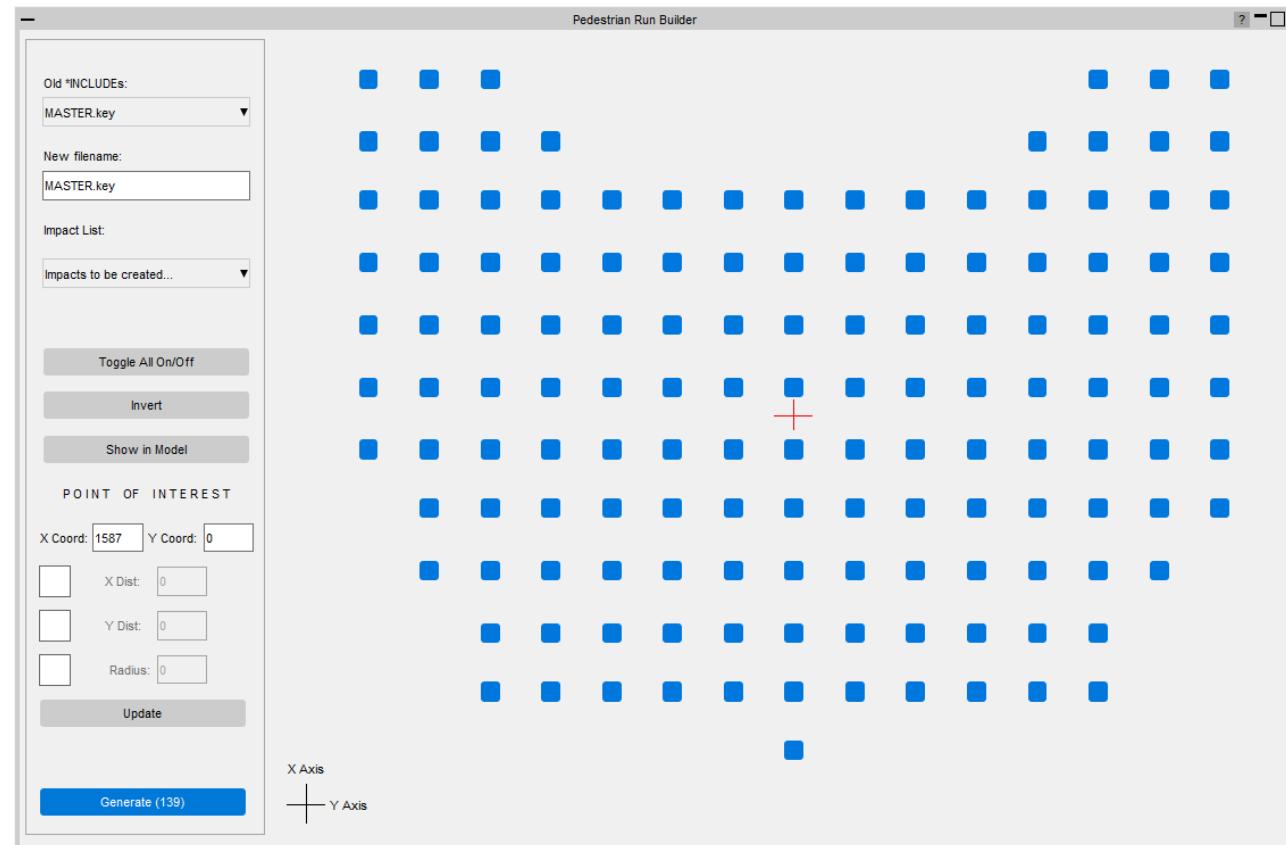


# Pedestrian Run Builder



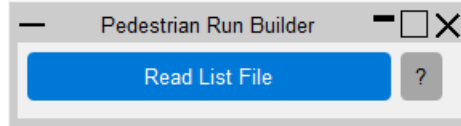
# General

This tool creates a new set of pedestrian impact analyses based on an existing set. It allows you to easily update include files referenced in the original models in an interactive way, without having to manually update the include references across many files.



# Input File

- The tool will first ask you to give it a list file



- A list file is a text file containing a list of all the impact points and original model locations. This file is produced by PRIMER's model build/mark-up capabilities but can be produced outside of PRIMER as well.
- The list file format required is as follows:

\$variables , XCOORD , YCOORD , ZCOORD

FILENAME , xcoord\_value , ycoord\_value , zcoord\_value

- EXAMPLE:

```
$variables,ZONE,XCOORD,YCOORD,ZCOORD
C:\Example\ExampleA_10_0\a_10_0.key,,A_10_0,2028.373901,0.000000,1082.67
C:\Example\ExampleA_10_1\a_10_1.key,,A_10_1,2028.373901,100.000000,1082.71
C:\Example\ExampleA_10_-1\a_10_-1.key,,A_10_-1,2028.373901,-100.000000,1082.71
C:\Example\ExampleA_10_2\a_10_2.key,,A_10_2,2028.373901,200.000000,1082.78
C:\Example\ExampleA_10_-2\a_10_-2.key,,A_10_-2,2028.373901,-200.000000,1082.78
```

- \*Your file may contain more variables but only the X,Y and Z COORD variables are needed for this tool to work – for example in the above we have the extra ZONE variable which is unused by the tool.



# File Output

- Before

The include filename was Example.key

```
$ =====  
$ INCLUDE cards  
$ =====  
$  
*INCLUDE  
/data3/MASTER_MODELS/EXAMPLE.key  
$  
*INCLUDE  
/data3/INCLUDES/CONTROL.key  
$
```

New Filename

- After

All of the impact points will change their include filename to EXAMPLEchange.key

```
$ =====  
$ INCLUDE cards  
$ =====  
$  
*INCLUDE  
/data3/MASTER_MODELS/EXAMPLEchange.key  
$  
*INCLUDE  
/data3/INCLUDES/CONTROL.key  
$
```



# Directory Output

All of the impact will be created in a new directory

In the directory there will be two new impact list in one Windows and one Linux

Before:

A List of impact files

```
$variables_ZONE,XCOORD,YCOORD,ZCOORD
```

```
C:\Example\Example\A_10_0\A_10_0.key,,A_10_0,2028.373901,0.000000,1082.67
C:\Example\Example\A_10_1\A_10_1.key,,A_10_1,2028.373901,100.000000,1082.71
C:\Example\Example\A_10_-1\A_10_-1.key,,A_10_-1,2028.373901,-100.000000,1082.71
C:\Example\Example\A_10_2\A_10_2.key,,A_10_2,2028.373901,200.000000,1082.78
C:\Example\Example\A_10_-2\A_10_-2.key,,A_10_-2,2028.373901,-200.000000,1082.78
C:\Example\Example\A_10_3\A_10_3.key,,A_10_3,2028.373901,300.000000,1083.32
C:\Example\Example\A_10_-3\A_10_-3.key,,A_10_-3,2028.373901,-300.000000,1083.32
C:\Example\Example\A_10_4\A_10_4.key,,A_10_4,2028.373901,400.000000,1083.48
C:\Example\Example\A_10_-4\A_10_-4.key,,A_10_-4,2028.373901,-400.000000,1083.48
C:\Example\Example\A_10_5\A_10_5.key,,A_10_5,2028.373901,500.000000,1079.59
C:\Example\Example\A_10_-5\A_10_-5.key,,A_10_-5,2028.373901,-500.000000,1079.59
C:\Example\Example\A_10_6\A_10_6.key,,A_10_6,2028.373901,600.000000,1065.87
C:\Example\Example\A_10_-6\A_10_-6.key,,A_10_-6,2028.373901,-600.000000,1065.87
C:\Example\Example\A_10_7\A_10_7.key,,A_10_7,2028.373901,700.000000,1055.48
C:\Example\Example\A_10_-7\A_10_-7.key,,A_10_-7,2028.373901,-700.000000,1055.48
C:\Example\Example\A_10_8\A_10_8.key,,A_10_8,2028.373901,800.000000,1065.26
C:\Example\Example\A_10_-8\A_10_-8.key,,A_10_-8,2028.373901,-800.000000,1065.26
C:\Example\Example\A_11_0\A_11_0.key,,A_11_0,2126.245117,0.000000,1108.37
C:\Example\Example\A_11_1\A_11_1.key,,A_11_1,2126.245117,100.000000,1106.58
C:\Example\Example\A_11_-1\A_11_-1.key,,A_11_-1,2126.245117,-100.000000,1106.58
C:\Example\Example\A_11_2\A_11_2.key,,A_11_2,2126.245117,200.000000,1101.17
C:\Example\Example\A_11_-2\A_11_-2.key,,A_11_-2,2126.245117,-200.000000,1101.17
C:\Example\Example\A_11_3\A_11_3.key,,A_11_3,2126.245117,300.000000,1092.09
```

After:

Creates a new directory with 9 impact files that change the include filenames

\*Look at File Output slide

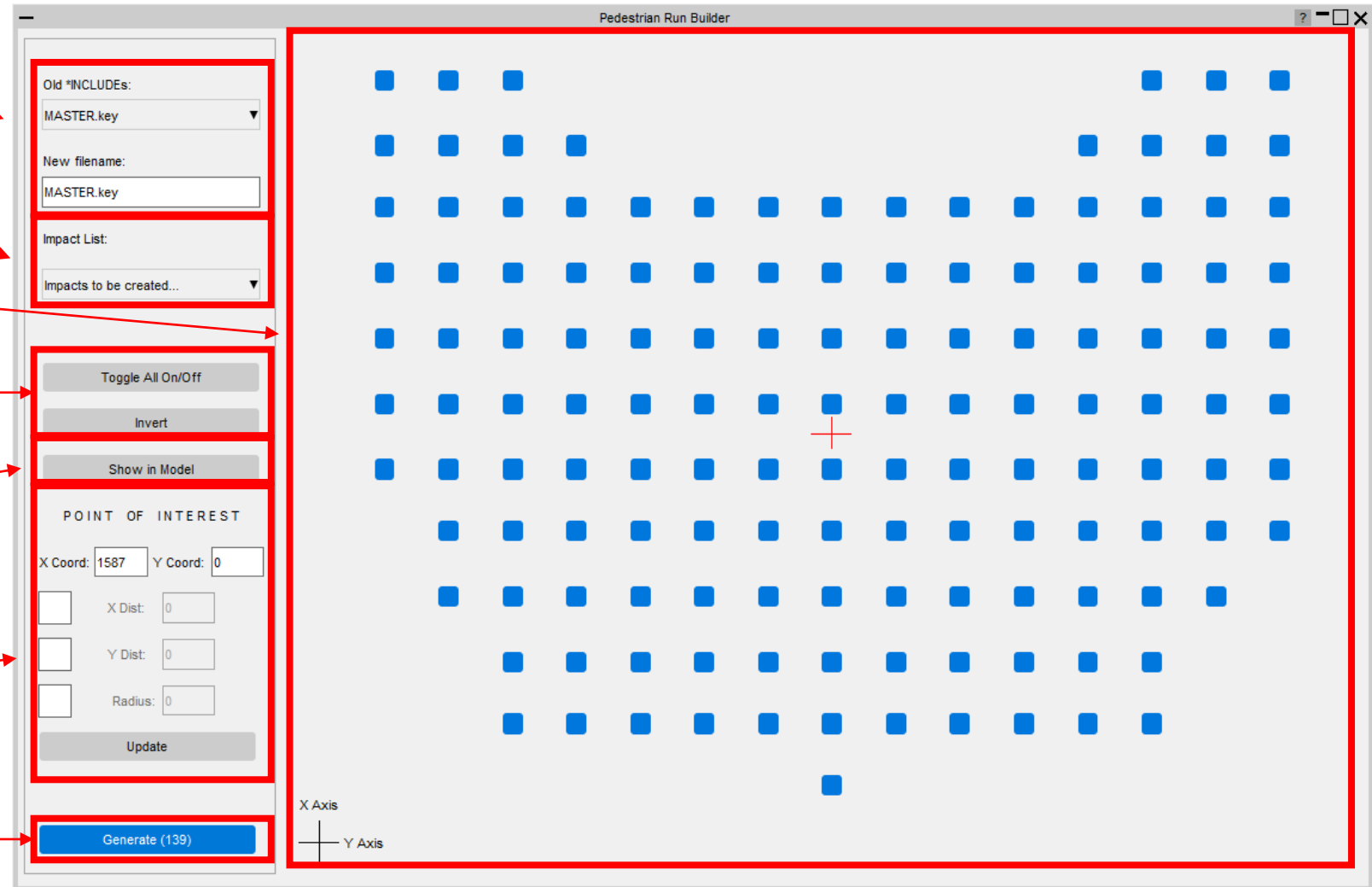
```
$variables_ZONE,XCOORD,YCOORD,ZCOORD
```

```
C:\Example\ExampleOutput\A_10_6\A_10_6.key,,A_10_6,2028.373901,600.000000,1065.87
C:\Example\ExampleOutput\A_10_7\A_10_7.key,,A_10_7,2028.373901,700.000000,1055.48
C:\Example\ExampleOutput\A_10_8\A_10_8.key,,A_10_8,2028.373901,800.000000,1065.26
C:\Example\ExampleOutput\A_11_6\A_11_6.key,,A_11_6,2126.245117,600.000000,1084.53
C:\Example\ExampleOutput\A_11_7\A_11_7.key,,A_11_7,2126.245117,700.000000,1080.94
C:\Example\ExampleOutput\A_11_8\A_11_8.key,,A_11_8,2126.245117,800.000000,1072.94
C:\Example\ExampleOutput\A_9_6\A_9_6.key,,A_9_6,1929.661133,600.000000,1037.87
C:\Example\ExampleOutput\A_9_7\A_9_7.key,,A_9_7,1929.661133,700.000000,1048.33
C:\Example\ExampleOutput\A_9_8\A_9_8.key,,A_9_8,1929.661133,800.000000,1057.76
```

A_10_0	10/12/2020 15:55	File folder	
A_10_1	10/12/2020 15:55	File folder	
A_10_-1	10/12/2020 15:55	File folder	
A_10_2	10/12/2020 15:55	File folder	
A_10_-2	10/12/2020 15:55	File folder	
A_10_3	10/12/2020 15:55	File folder	
A_10_-3	10/12/2020 15:55	File folder	
A_10_4	10/12/2020 15:55	File folder	
A_10_-4	10/12/2020 15:55	File folder	
A_10_-5	10/12/2020 15:55	File folder	
ExampleOutput.lst	10/12/2020 15:55	LST File	1 KB
ExampleOutput_win.lst	10/12/2020 15:55	LST File	1 KB

# Legend

- Master file
  - A list of the includes files that you can change
- Impact list
  - A List of all the impacts points
- Impact points
  - All the impacts displayed in a grid according to X/Y coordinate
- General controls
  - Buttons to help you quickly select your chosen impacts
- Show in Model
  - Displays the impact points in a model (model must be open before hand for this to work)
- Point of interest
  - Select point via their coordinates
- Generate
  - Begins the process of generating the new files



# Master File

- Old \*INCLUDEs:
  - a list of all the include files that you can copy and change
- New filename
  - The new name of the file defined by the user

```
$ =====  
$ INCLUDE cards  
$ =====  
$  
*INCLUDE  
C:/Example/MASTER_MODELS/ExampleMASTER_E_001.key  
$  
*INCLUDE  
C:/Example/INCLUDES/ExampleCONTROL_007.key  
$  
*INCLUDE  
C:/Example/INCLUDES/ExampleTERM_30.key  
$
```

Old \*INCLUDEs:

ExampleVEHICLE\_001.key ▼

OLD \*INCLUDE

ExampleVEHICLE\_001.key

ExampleCONTROL\_007.key

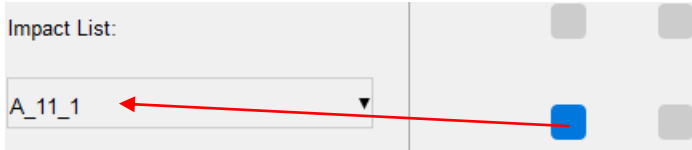
ExampleTERM\_30.key

New filename:

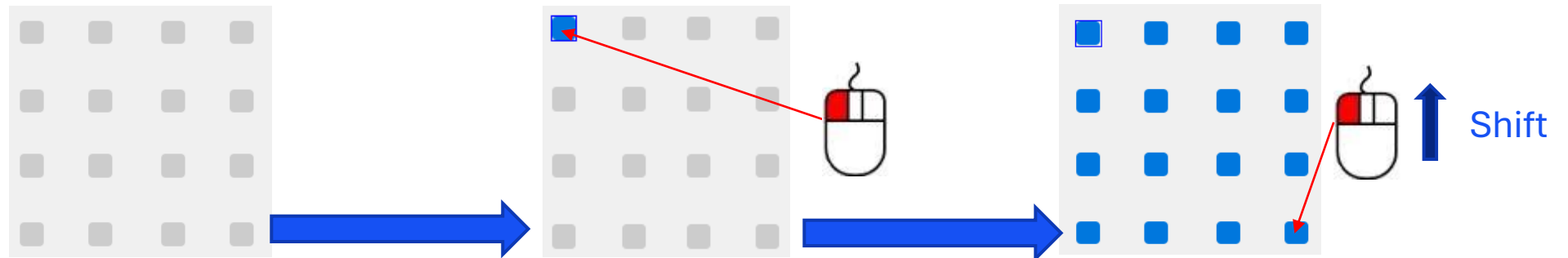
ExampleVEHICLE\_002.key

# Selecting points

- Impact List:
  - The Impact List allows you to select a point via their name:



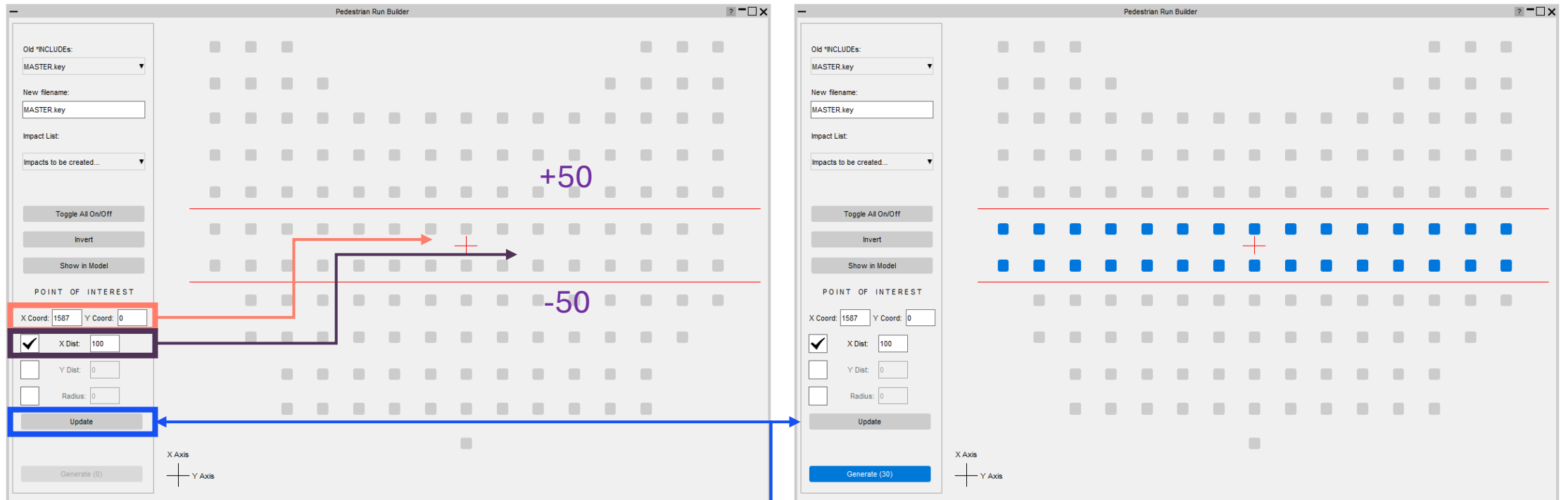
- Single points can be selected by left mouse clicking on a point.
- Left click point 1 then “Shift” click a second point and all of the points in the area formed from the 2 points will be selected:





# XDist Example

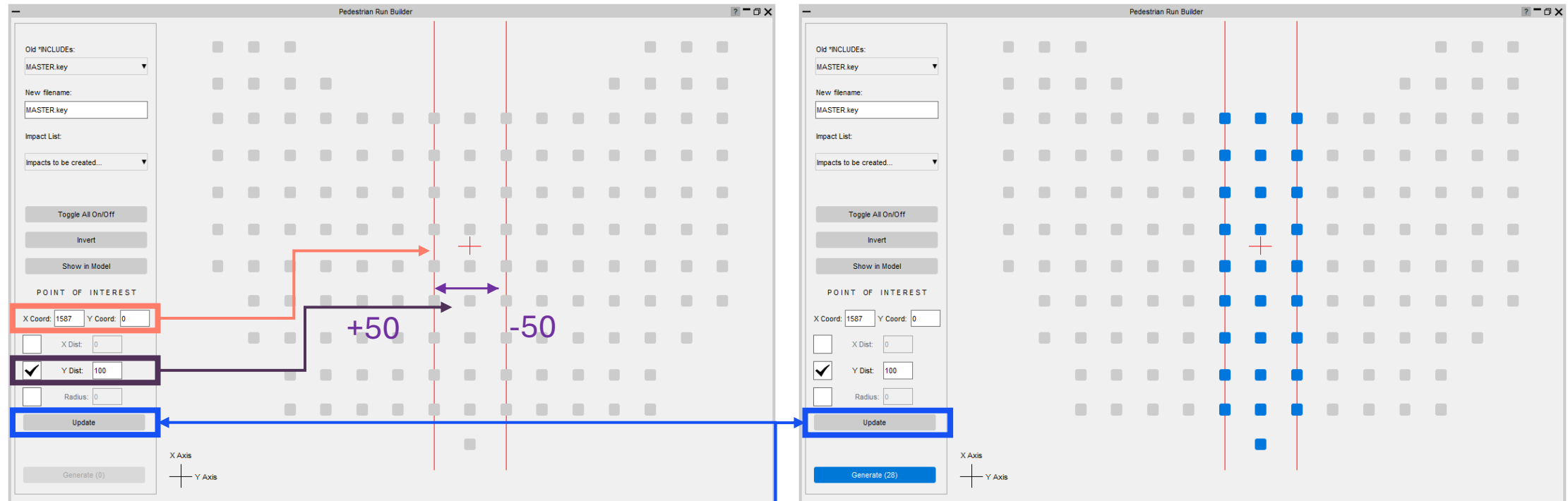
Selects all of the points in the X direction in the range of 1532 to 1732



Press update button

# YDist Example

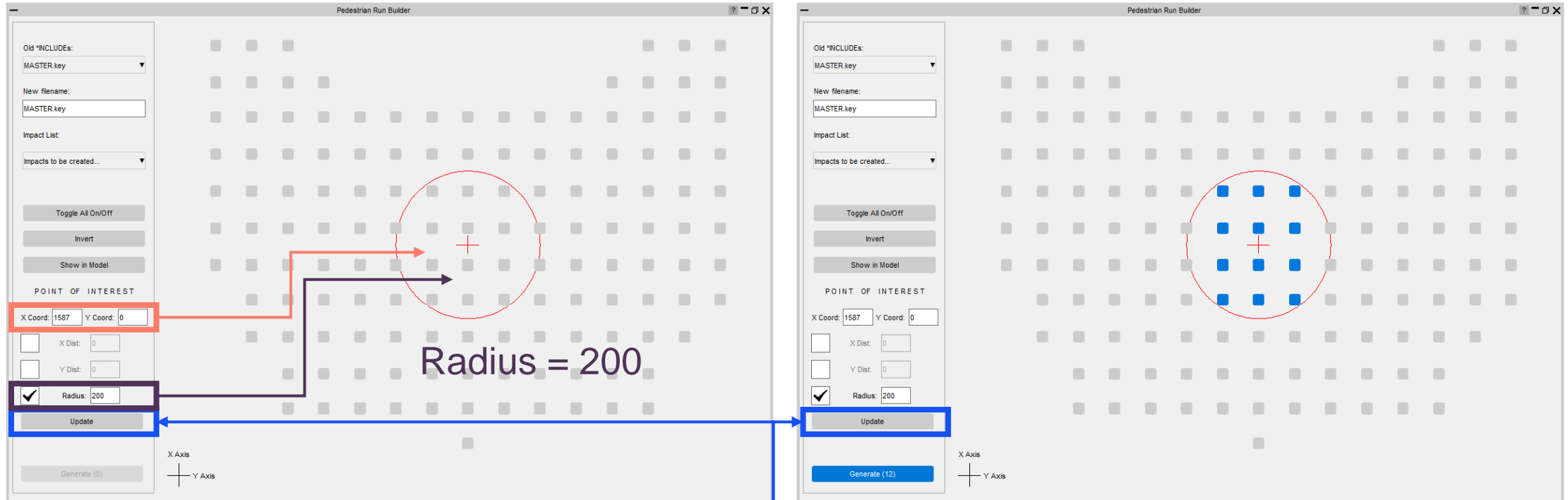
Selects all of the points in the Y direction in the range of 100 to -100



Press update button

# Radius Example

Selects all of the points in a circle with the centre point of (1632,0) and the radius of 200



Press update button

# Generate

- When you have selected the impact points that you want to create press the “Generate” button and the tool will begin the process of creating the new master files.
- The directory with all of the impacts will be created in the same directory as the impact list.

Old \*INCLUDEs:  
OLD \*INCLUDE

New filename:  
NEW \*INCLUDE

Impact List:  
Impacts to be created...

Toggle All On/Off

Invert

Show in Model

POINT OF INTEREST

X Coord: 1979 Y Coord: 550

X Dist: 0

Y Dist: 0

Radius: 125

Update

Generate (16)

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