

Runway Redeclaration Tool

Version 2.0

Runway Redeclaration

[Show Top Down](#)

[Show Side View](#)[Show Graded View](#)

Change Airport/Runway

Add New Obstacle

Remove Obstacle

Properties

A screenshot of a flight selection interface. It features a table with two columns: 'Airport' and 'Runway'. The 'Airport' column lists Gatwick, Heathrow, and Manchester, followed by several empty rows. The 'Runway' column shows 08R/26L for Gatwick and 08L/26R for Heathrow, followed by several empty rows. A red rectangular box highlights the first two rows of the table. Below the table, there is a blue button labeled 'Select'.

Airport	Runway
Gatwick	08R/26L
Heathrow	08L/26R
Manchester	

1. choose the airport and the runway

Select

1. choose the airport and the runway you need



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Change Airport/Runway

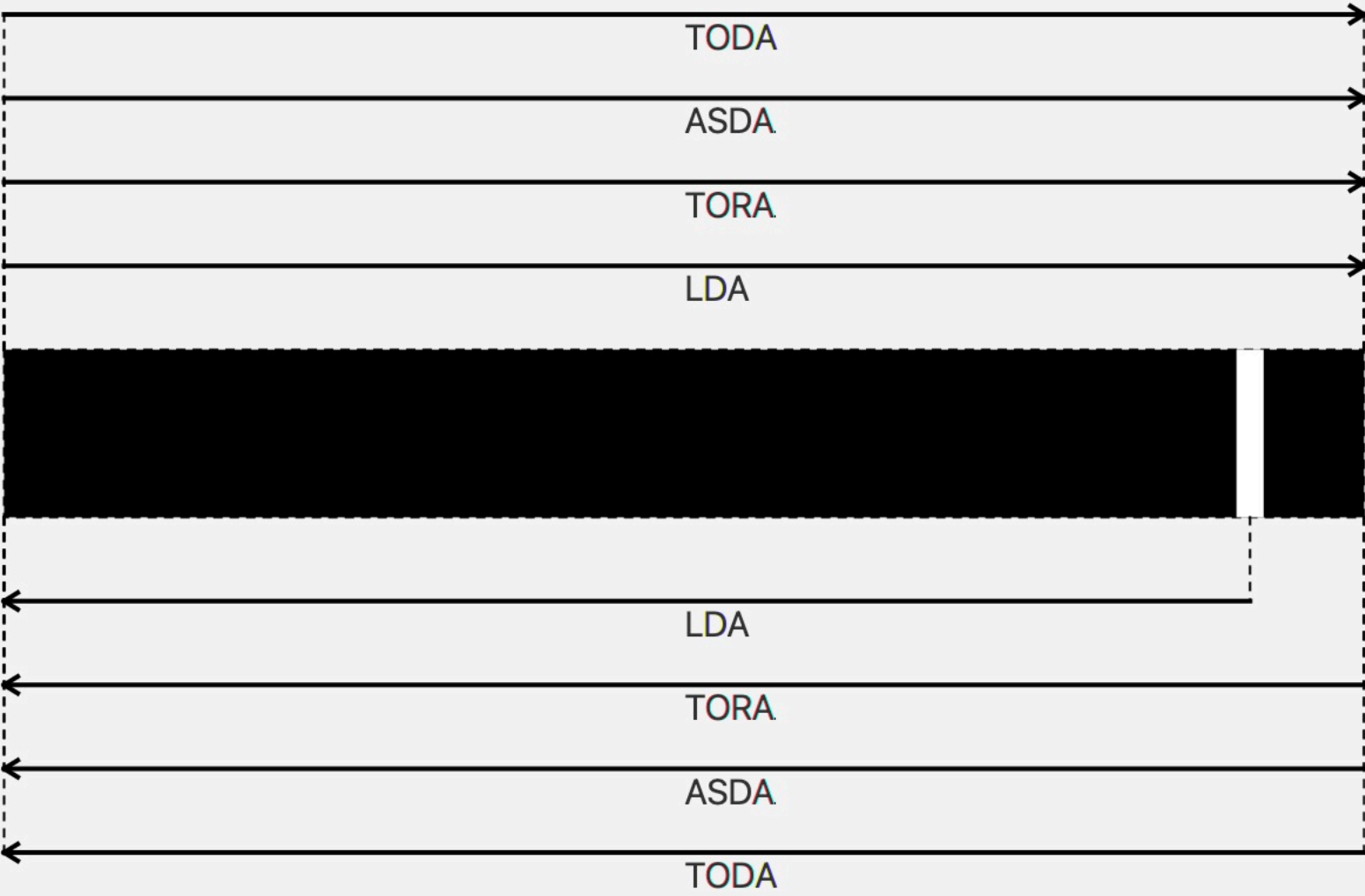
Add New Obstacle

Remove Obstacle

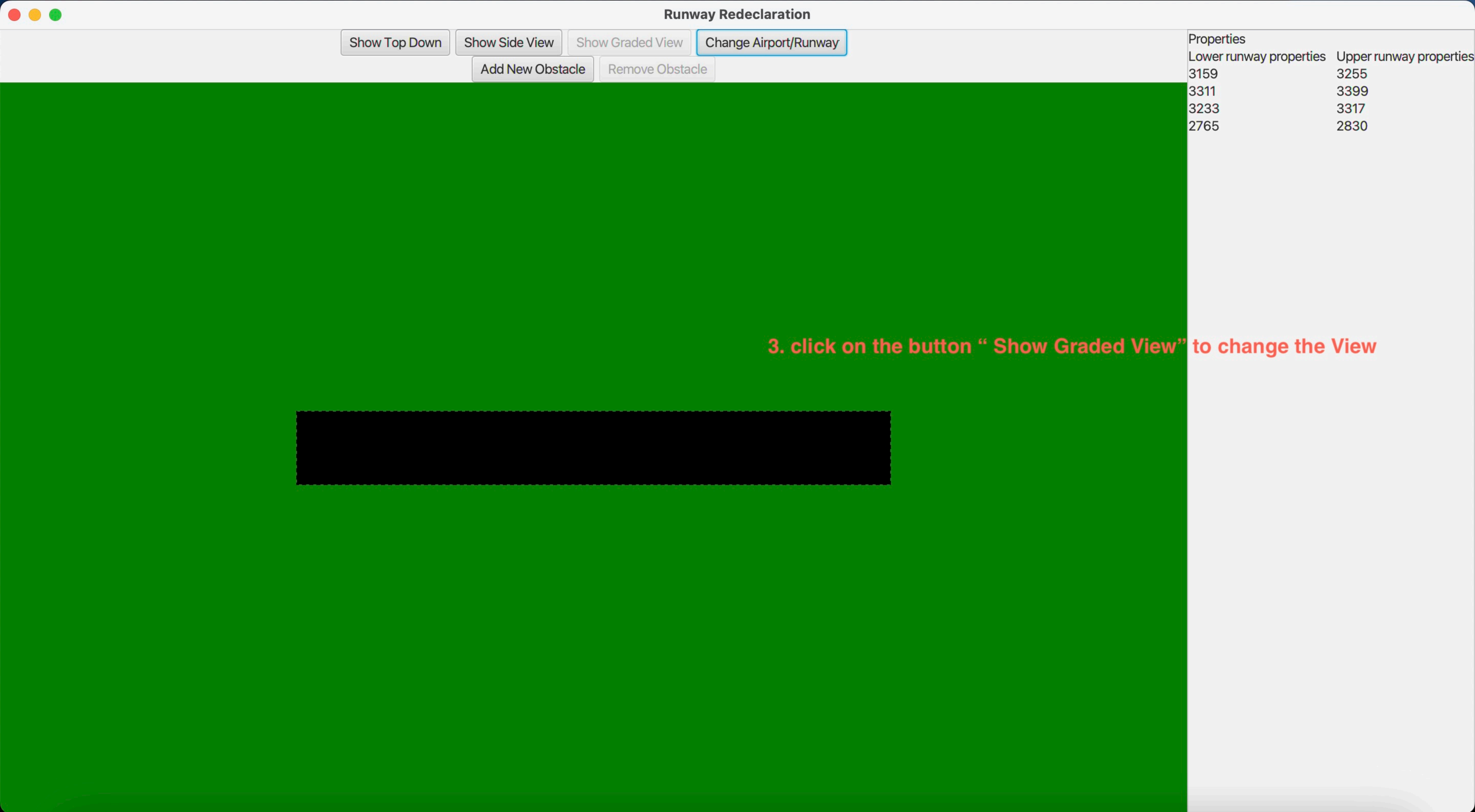
Properties	
Lower runway properties	Upper runway properties
3660	3660
3660	3660
3660	3660
3353	3660

2. the top-down view and the information are shown

Landing and Take-off in this
direction
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Landing and Take-off in this
direction
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Remove Obstacle

Properties

Lower runway properties

Upper runway properties

3159

3255

3311

3399

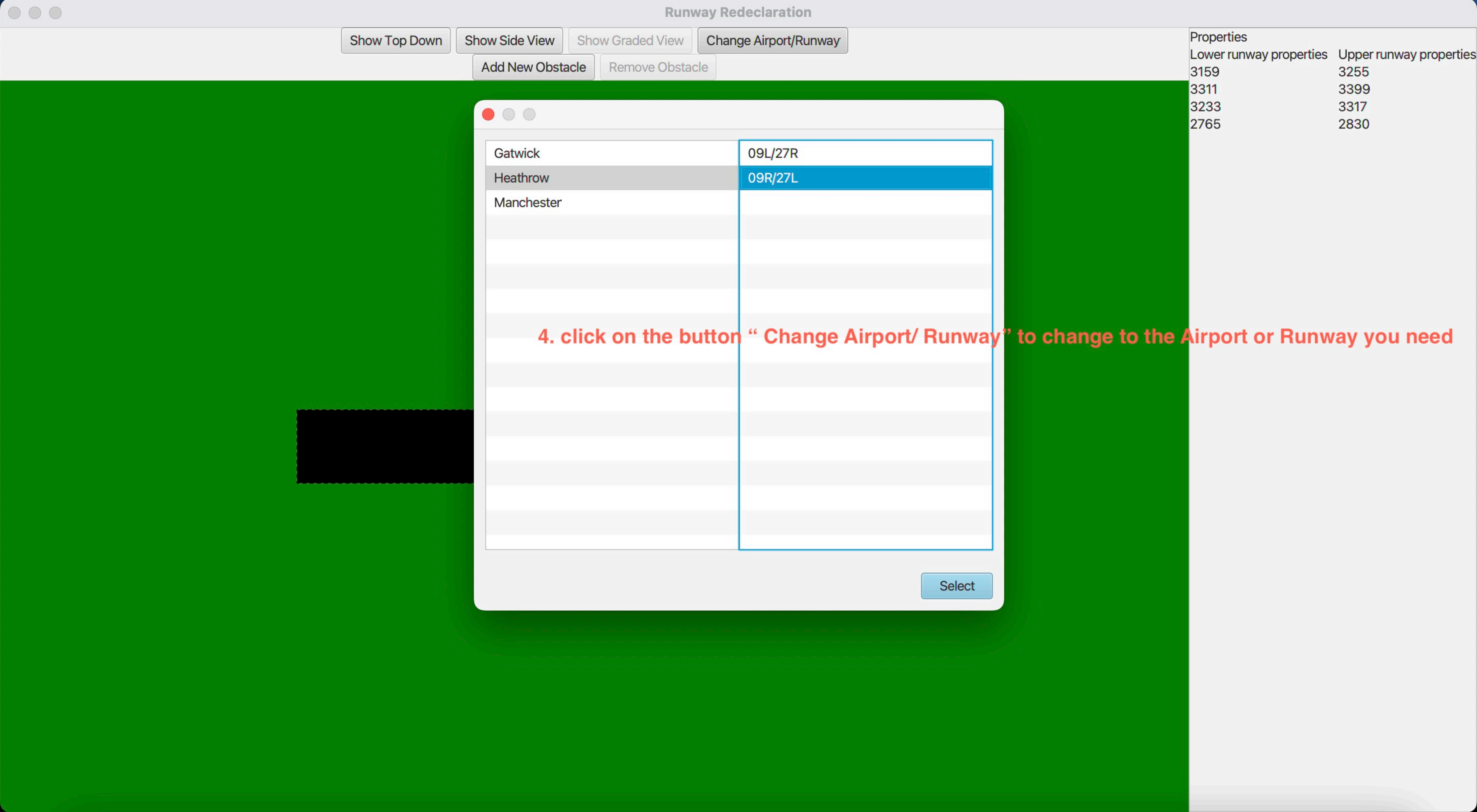
3233

3317

2765

2830

3. click on the button “ Show Graded View” to change the View



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Properties	
Lower runway properties	Upper runway properties
3159	3255
3311	3399
3233	3317
2765	2830

Gatwick

Heathrow

Manchester

09L/27R

09R/27L

Select

4. click on the button “ Change Airport/ Runway ” to change to the Airport or Runway you need

[Show Top Down](#)

Show Side View

[Show Graded View](#)

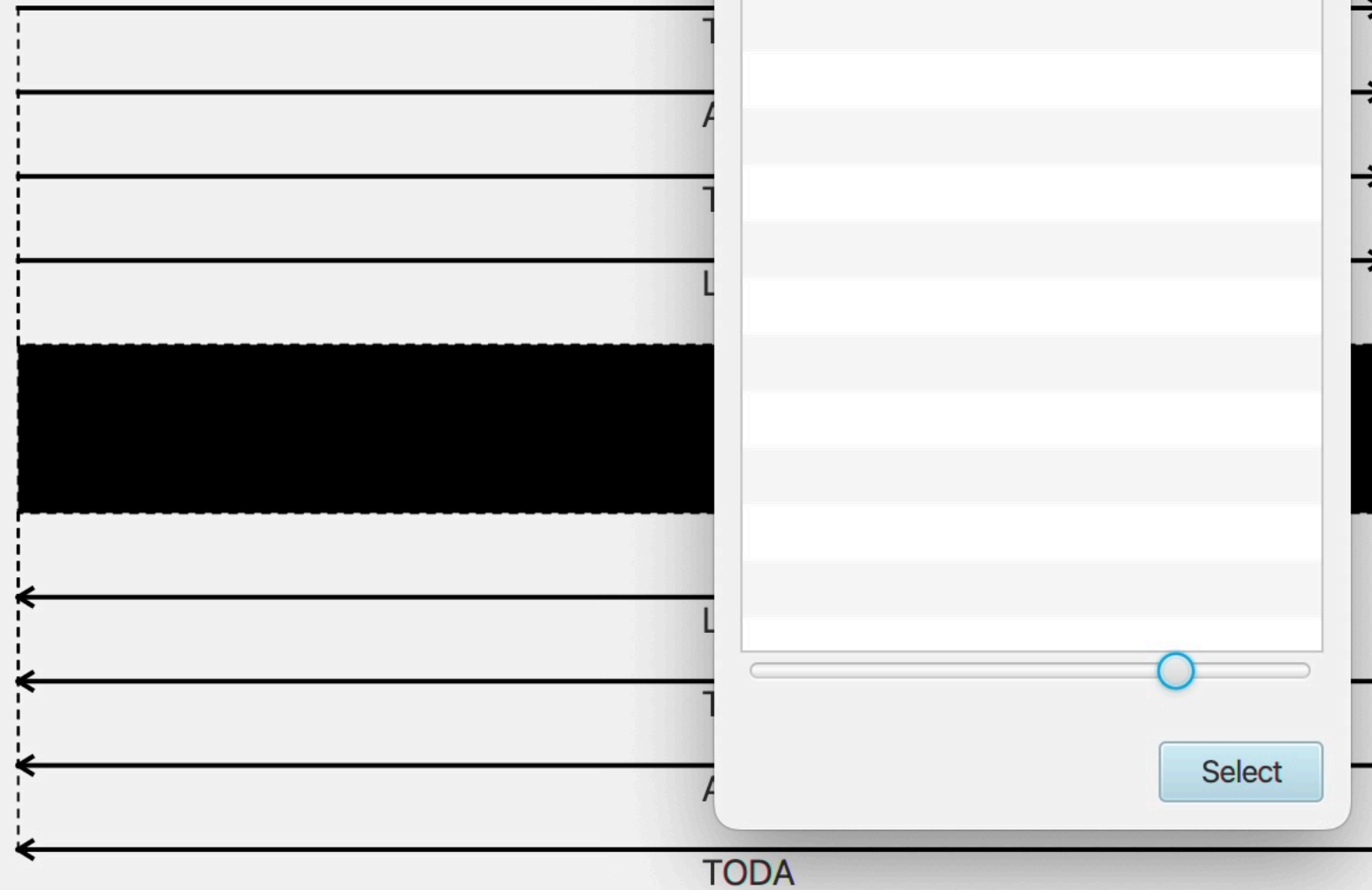
Change Airport/Runway

Add New Obstacle

Remove Obstacle

5. click on the button “ Add New Obstacle” to add Obstacle onto the runway.

Landing and Take-off in this direction
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You will see a list of obstacles from which you can select what you need, and drag the circular cursor below to determine the position of the obstacle on the runway.

Landing and Take-off in this direction
←-----

Properties

Lower runway properties Upper runway properties

3660

3660

3660

3660

3660

3660

3353

3660



Show Top Down

Show Side View

Show Graded View

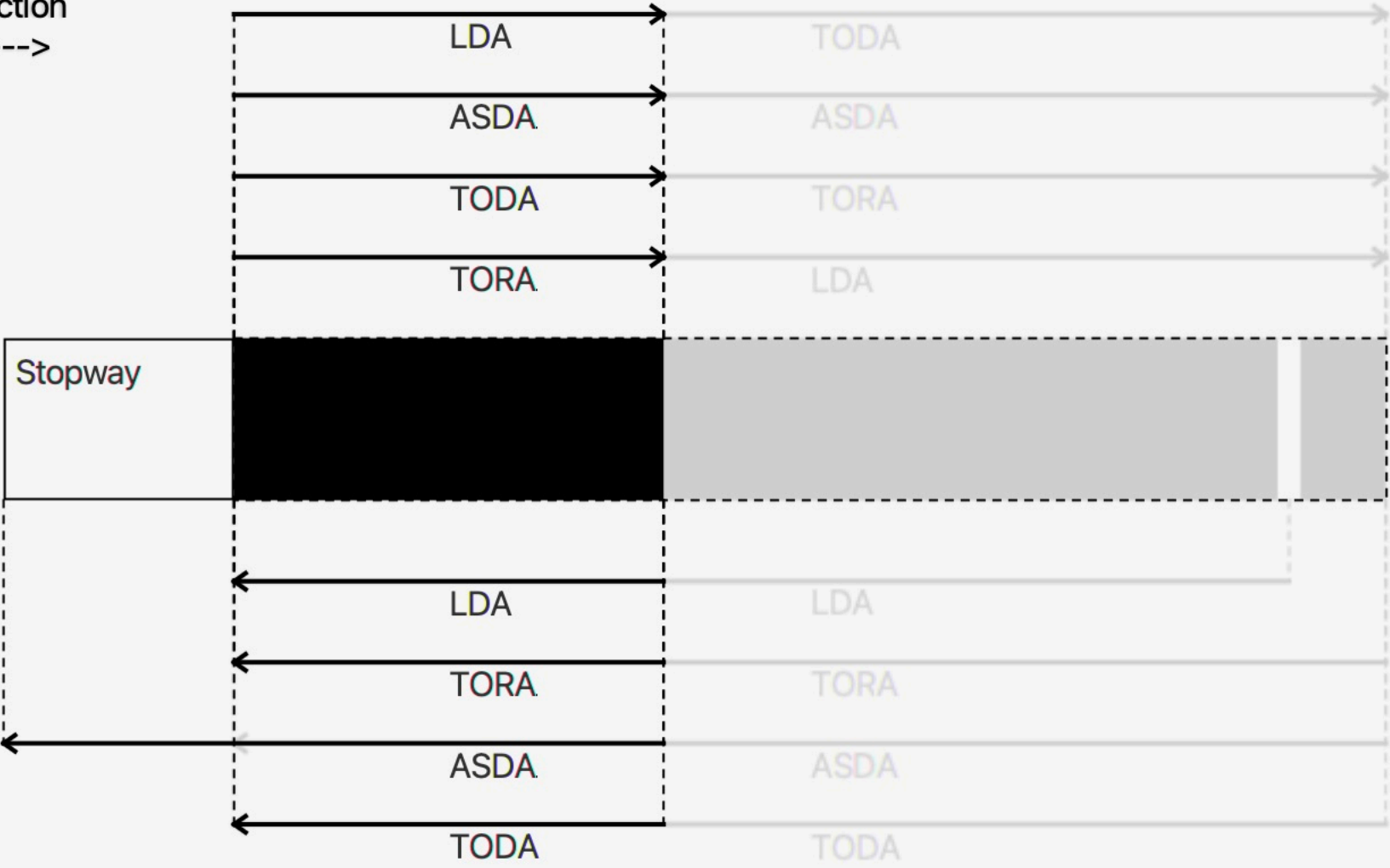
Change Airport/Runway

Add New Obstacle

Remove Obstacle

6. the re-calculated runway will be shown after you click on the “select” button, the breakdown will be shown in the properties as well

Landing and Take-off in this direction
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Landing and Take-off in this direction
<-----

Properties

Lower runway properties

2067

2067

3660

1057

Upper runway properties

1364

1364

1364

2374

Upper breakdown

TORA = Obstacle Position - Obstacle Width - Strip End + Displaced Threshold

TORA = 2674 - 1250 - 60 + 0 = 1364

TODA = TORA

TODA = 3660

ASDA = TORA

ASDA = 3660

LDA = Obstacle Position - RESA - Strip End

LDA = 2674 - 240 - 60 = 2374

Lower breakdown

TORA = TORA - Obstacle Position - Blast Protection - Displaced Threshold

TORA = 3660 - 986 - 300 - 307 = 2067

TODA = TORA + Clearway

TODA = 3660 + -1593 = 2067

ASDA = TORA + Stopway

ASDA = 3660 + 1593 = 3660

LDA = LDA - Obstacle Position - Strip End - Obstacle Width

LDA = 3353 - 986 - 60 - 1250 = 1057

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Change Airport/Runway

Add New Obstacle

Remove Obstacle

Properties

Lower runway properties

Upper runway properties

3660

3660

3660

3660

3660

3660

3353

3660

7. click on the “Remove Obstacle” to remove the obstacle you add, and the normal top view of the runway will be shown

Landing and Take-off in this direction

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TODA

ASDA

TORA

LDA

LDA

TORA

ASDA

TODA

Landing and Take-off in this direction

<-----