

Roof Solutions

Roof - Solar Panel - Thermal Inspection

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Structural Data Sheet

Location	Solar Panel Arrays (4 roof tops)
Roof Construction	Metal Roof
Deck:	Metal
Vapor Retarder:	No
Insulation:	ISO Boards
Membrane:	Meal
Flood Coat:	No
Aggregate:	None

Solar Installation Data

Array 1 (image set 1)
Number of Modules: 270 Modules
Faulting Modules: 2 Modules
Modules w/ Faulting Cells: 20

Array 2 (image set 2)
Number of Modules: 523 Modules
Faulting Modules: 11 Modules
Modules w/ Faulting Cells: 87

Array 3 (image set 3)
Number of Modules: 270 Modules
Faulting Modules: 0 Modules
Modules w/ Faulting Cells: 1

Array 4 (image set 4)
Number of Modules: 216 Modules
Faulting Modules: 70 Modules (16 hotter and 54 cooler)
Modules w/ Faulting Cells: 2

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Survey Date: 09/23/2021

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Image #: 1 **Job #:** 21-0923 **Date:** 09/23/2021 **Time:** 9:30am – 1:00pm

Wind Speed: 5 mph NNE **Sky:** Clear

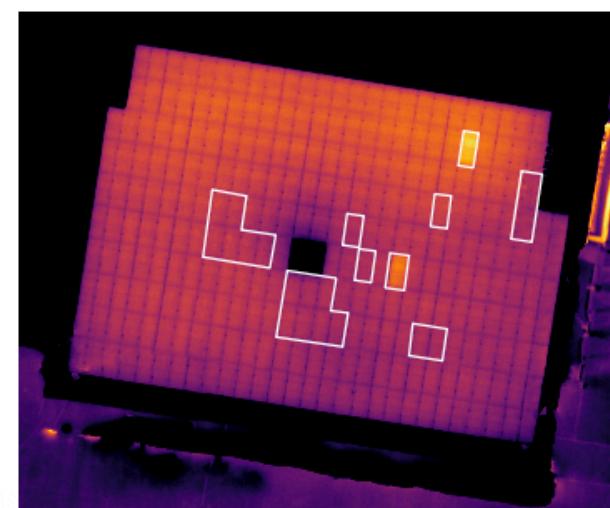
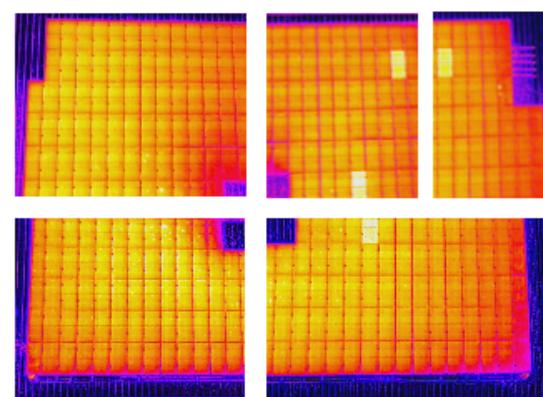
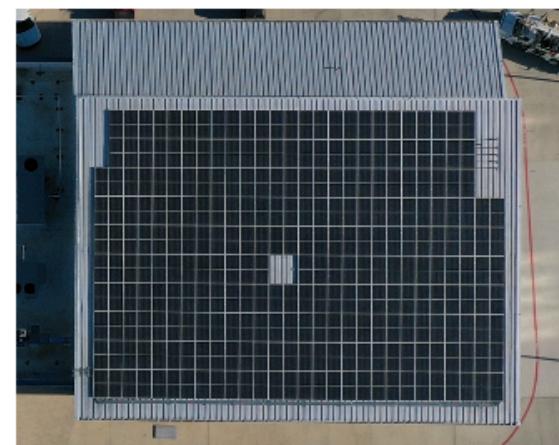
Humidity: 30% **Height:** 150' AGL Stitched

Ambient Temperature: 85 F **Subject Priority:** 1

Location: Service Bay East Building **Geolocation:** 29.8312766, -97.9470071

Equipment: DJI Matrice 200/ Zenmuse XT2 640R **Image Type:** Infrared/Visible

Comments: Multiple thermal anomalies were observed on this solar panel array. 2 panels and multiple individual cells are overheating as compared with other panels in the array.



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Image #: 2 **Job #:** 21-0923 **Date:** 09/23/2021 **Time:** 9:30am – 1:00pm

Wind Speed: 5 mph NNE **Sky:** Clear

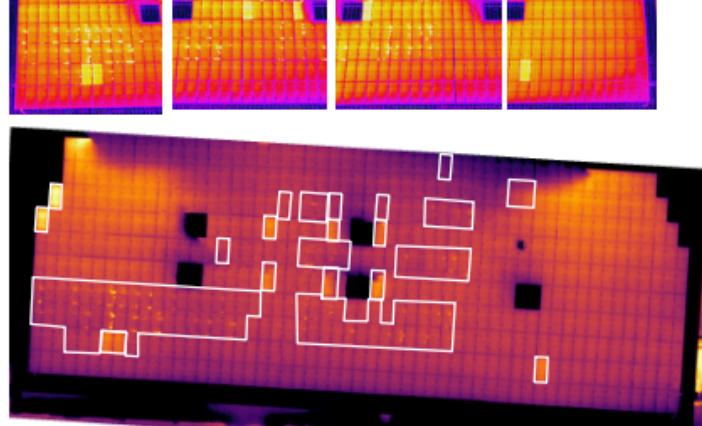
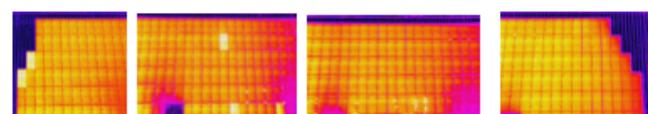
Humidity: 30% **Height:** 150' AGL Stitched

Ambient Temperature: 85 F **Subject Priority:** 1

Location: Service Bay Middle Building **Geolocation:** 29.8313581, -97.9476589

Equipment: DJI Matrice 200/ Zenmuse XT2 640R **Image Type:** Infrared/Visible

Comments: Multiple thermal anomalies were observed on this solar panel array. 11 panels and multiple individual cells are overheating as compared with other panels in the array.



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Image #: 3 **Job #:** 21-0923 **Date:** 09/23/2021 **Time:** 9:30am – 1:00pm

Wind Speed: 5 mph NNE **Sky:** Clear

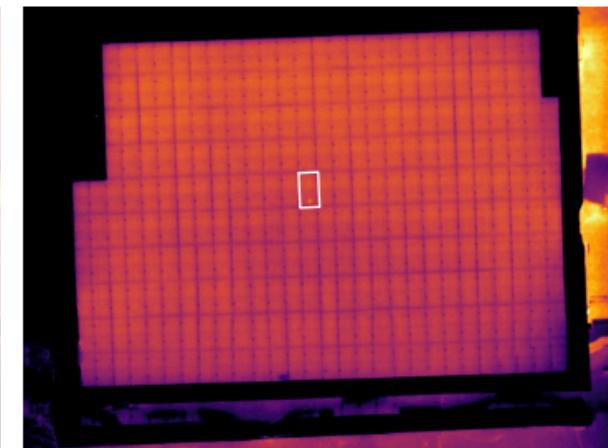
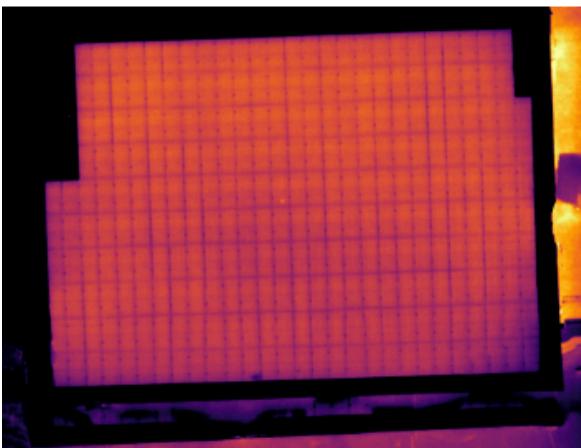
Humidity: 30% **Height:** 150' AGL Stitched

Ambient Temperature: 85 F **Subject Priority:** 2

Location: Service Bay West Building **Geolocation:** 29.8313534, -97.9483160

Equipment: DJI Matrice 200/ Zenmuse XT2 640R **Image Type:** Infrared/Visible

Comments: Two thermal anomalies were observed on this solar panel array. 2 individual cells are overheating as compared with other cells and panels in the array.



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Image #: 4 **Job #:** 21-0923 **Date:** 09/23/2021 **Time:** 9:30am – 1:00pm

Wind Speed: 5 mph NNE **Sky:** Clear

Humidity: 30% **Height:** 150' AGL Stitched

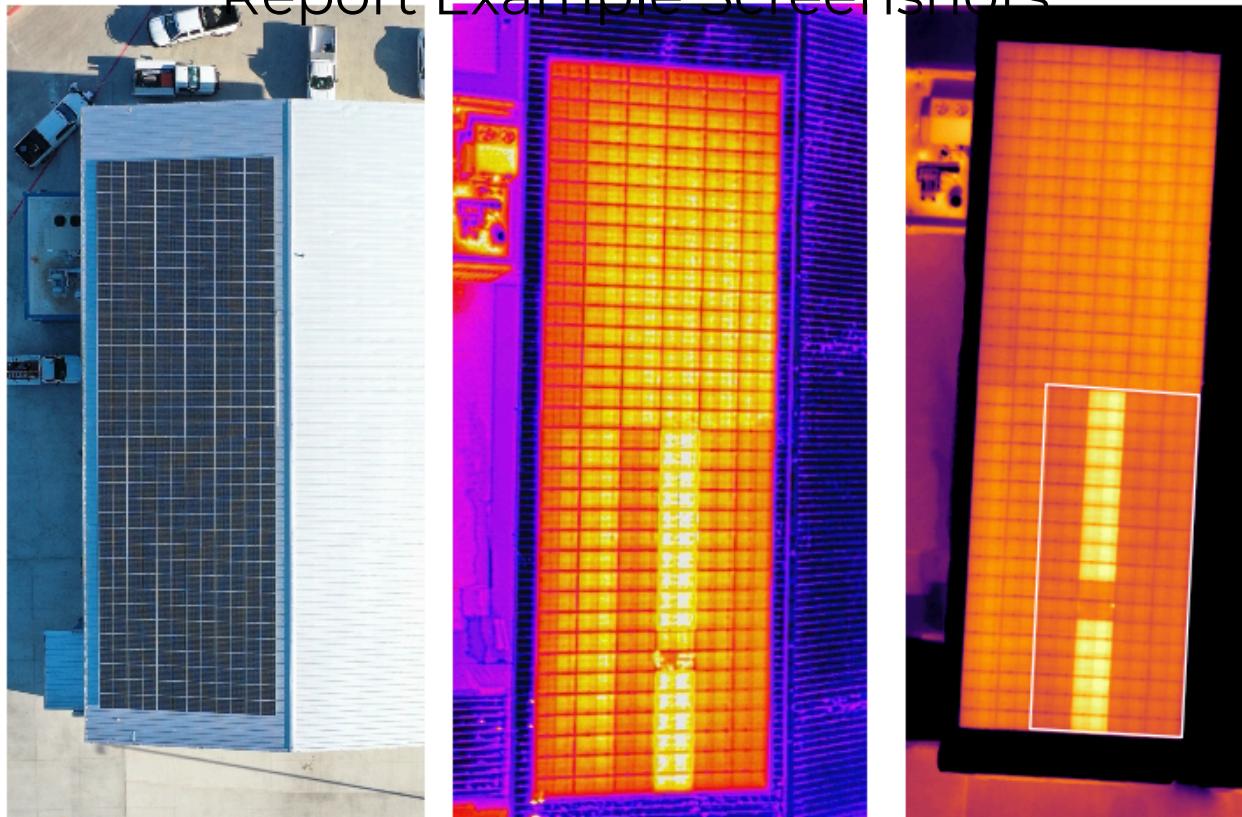
Ambient Temperature: 85 F **Subject Priority:** 1

Location: Warehouse **Geolocation:** 29.8322911, -97.9476656

Equipment: DJI Matrice 200/ Zenmuse XT2 640R **Image Type:** Infrared/Visible

Comments: Multiple thermal anomalies were observed on this solar panel array. 1 string of panels are overheating and 3 strings of panels reflect a lower temperature as compared with other panels in the array. 2 panels in the string that are overheating reflect a different signature.

Report Example Screenshots



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