



Junior Aerial Thermal Survey Report

URN: **JA-14072026-0001**



Job Sheet



Section 1.)

Client Details:

Name & company:

REDACTED

Client Address:

REDACTED

Telephone Number:

REDACTED

Email Address:

N/A

Best times to contact:

Daylight Hours

Preferred Contact
Method:

Mobile

Section 2.)

Product(s) Ordered:

QTY:

Products Specific to Multiple Properties.
Continue on Page 3 if required:

Thermal

1

Orthomosaics

Photogrammetry

Li-DAR

Standard Aerial Photos

1

N/A

Agreed Upon Price :

£0

Complete Job Information:

Client has reported that they are looking to replace the roof of Ottery St Mary Parish Church. Junior Aerial have offered to conduct a thermal roof survey of the property to identify priority areas for inspection.

***REDACTED*, of whom is authorised to act on behalf of the church has authorised the use of the data gathered within this survey for the purposes of Junior Aerial providing proof of work to further potential clients, social media use and for use on Junior Aerial's website portfolio. In return, Junior Aerial will conduct and provide the thermal report free of charge to assist in their roof replacement project.**

*****END OF JOB INFORMATION*****

**Desired Date(s) & Times
for Shoot:**

**13/07/2026 for standard photoshoot
14/07/2026 for thermal survey**



****DISCLAIMER****

This report has been prepared by Junior Aerial using aerial thermal imaging and unmanned aircraft systems (UAS) to identify and document observable thermal anomalies present at the time of survey.

Thermal imaging is a non-invasive screening tool and should not be regarded as a definitive assessment of the structural condition or integrity of any building or asset. Observations, comments and recommendations contained within this report are based solely on the data captured during the survey, prevailing environmental conditions, and the professional judgement of the Junior Aerial pilot.

Junior Aerial is not a chartered surveyor, structural engineer, roofing contractor or accredited building inspector. Any thermal anomalies, temperature differentials or areas of interest identified within this report should be considered indicative only and must be investigated further by an appropriately qualified professional before any repair, replacement or financial decision is made.

Environmental conditions including, but not limited to, solar loading, weather, wind, precipitation, surface moisture, internal heating, building materials and the time of survey may significantly influence thermal imagery and its interpretation.

This report represents the condition of the surveyed asset at the time the survey was undertaken only and should not be relied upon as evidence of future performance or condition.



Measurements

SP1	VALUE	12.7°C
SP2	VALUE	14.3°C
SP3	VALUE	18.3°C
SP4	VALUE	15.8°C
SP5	VALUE	18.9°C
SP6	VALUE	18.9°C
SP7	VALUE	19.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:10:54
Modified	2026/07/16 13:51:57
Coordinates	50.752686, 3.279525

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 7.2°C. This area is recommended for further inspection.



DJI_20260714221101_0018_T.JPG
2026/07/14 22:11:01



Measurements

SP1	VALUE	21.8°C
SP3	VALUE	14.7°C
SP4	VALUE	13.2°C
SP5	VALUE	14.3°C
SP6	VALUE	15.8°C
SP7	VALUE	17.3°C
SP8	VALUE	18.3°C
SP9	VALUE	18.9°C
SP10	VALUE	19.4°C
SP11	VALUE	18.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:11:01
Modified	2026/07/16 13:55:56
Coordinates	50.752693, 3.279442

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP11 and the surrounding roof structure, with a maximum observed differential of approximately 8.6°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	15.3°C
SP2	VALUE	17.3°C
SP3	VALUE	17.8°C
SP4	VALUE	14.3°C
SP6	VALUE	14.3°C
SP7	VALUE	12.7°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

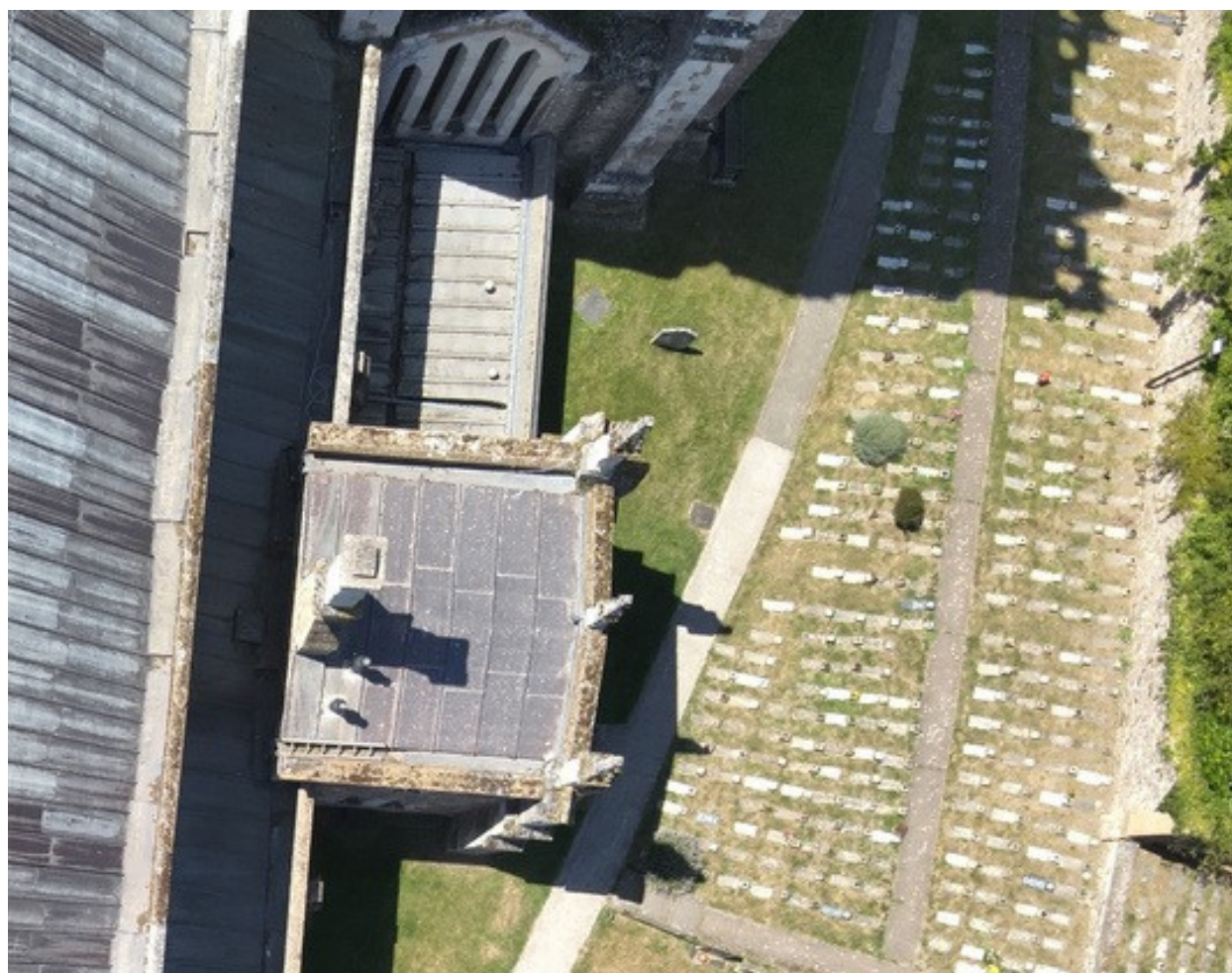
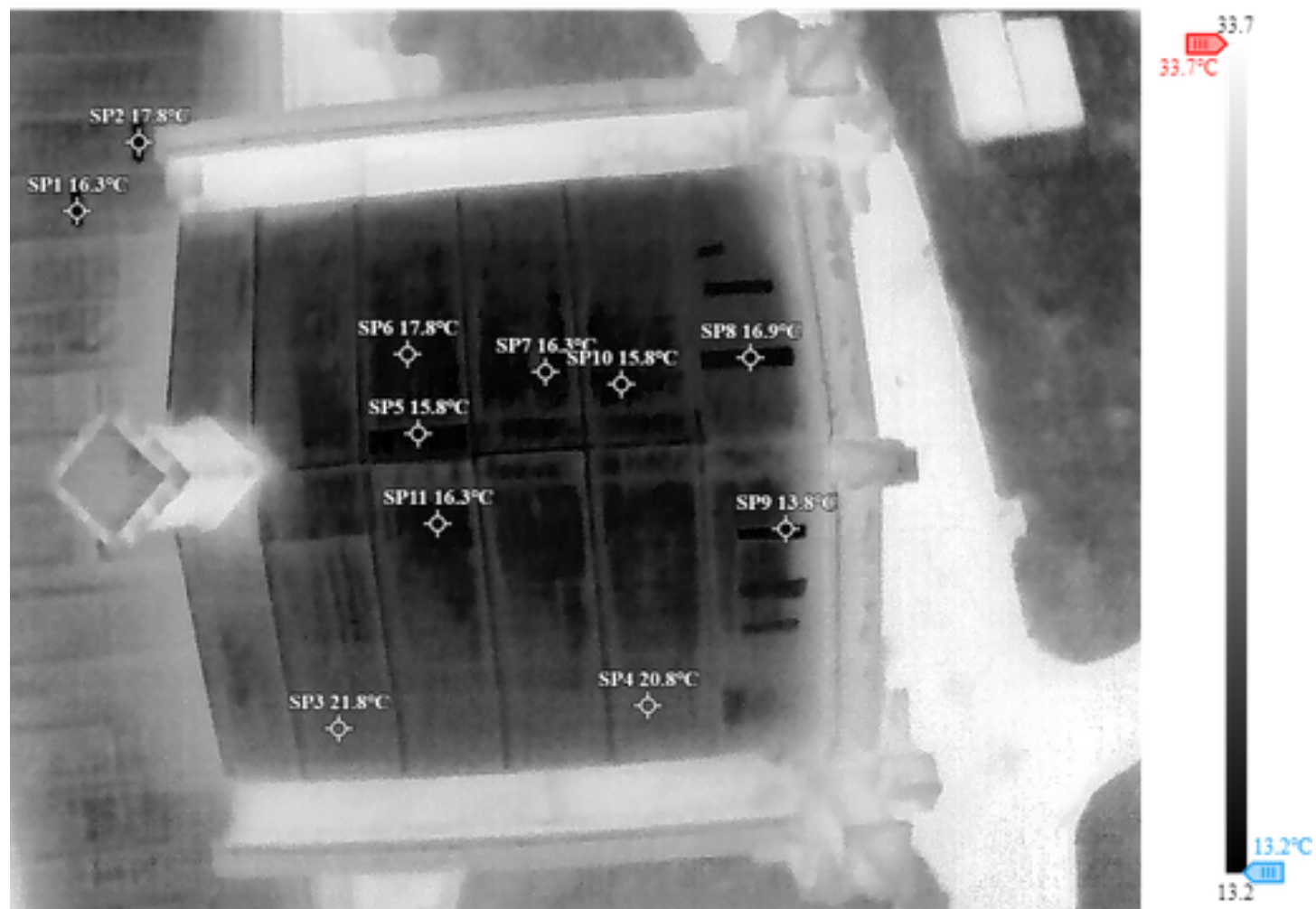
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F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:11:37
Modified	2026/07/16 13:56:49
Coordinates	50.752703, 3.279281

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 4.6°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	16.3°C
SP2	VALUE	17.8°C
SP3	VALUE	21.8°C
SP4	VALUE	20.8°C
SP5	VALUE	15.8°C
SP6	VALUE	17.8°C
SP7	VALUE	16.3°C
SP8	VALUE	16.9°C
SP9	VALUE	13.8°C
SP10	VALUE	15.8°C
SP11	VALUE	16.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:12:28
Modified	2026/07/16 13:58:04
Coordinates	50.752710, 3.279076

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP11 and the surrounding roof structure, with a maximum observed differential of approximately 8°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	16.9°C
SP2	VALUE	18.9°C
SP3	VALUE	15.8°C
SP4	VALUE	19.9°C
SP5	VALUE	17.3°C
SP6	VALUE	19.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

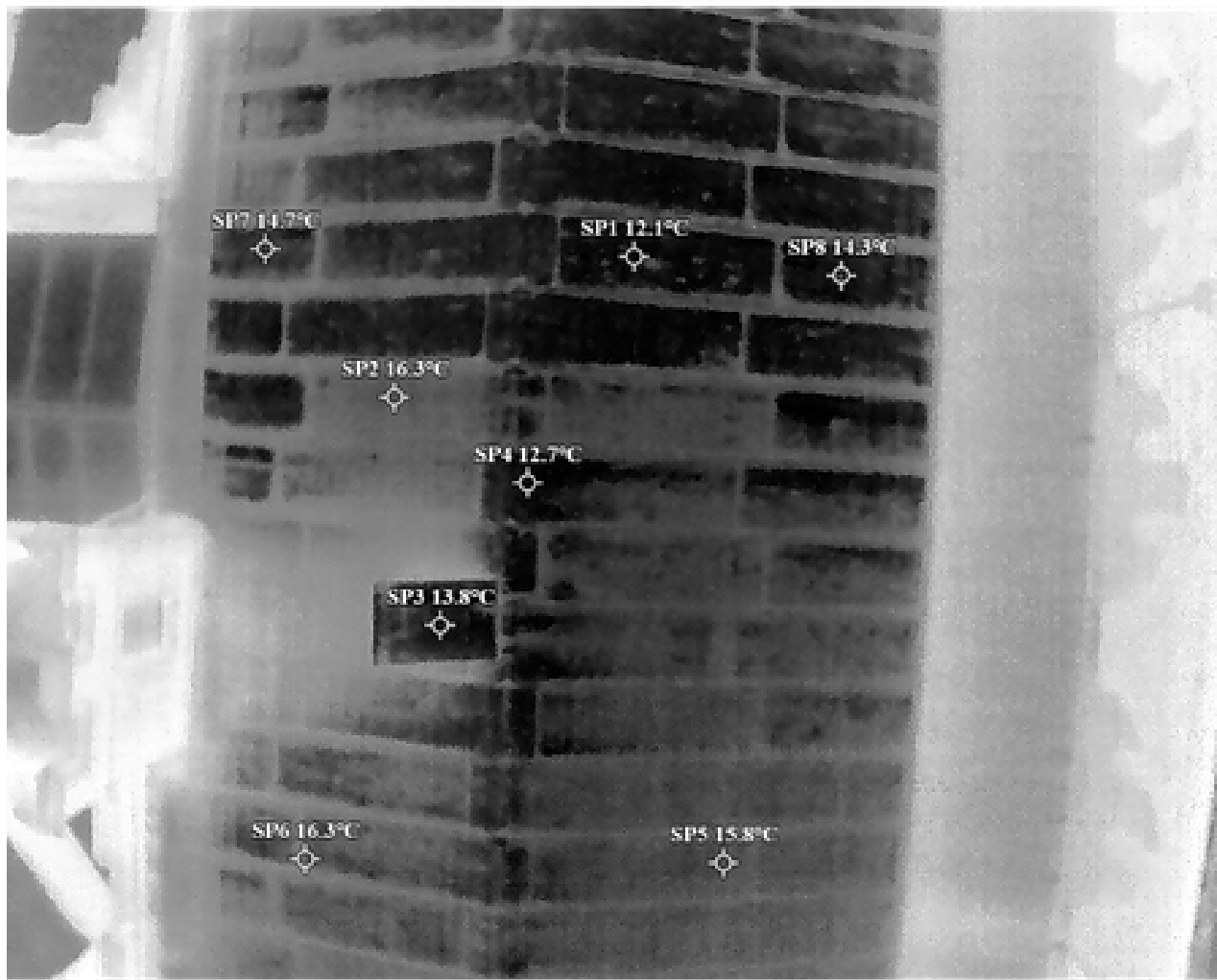
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F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:14:50
Modified	2026/07/16 13:59:06
Coordinates	50.752810, 3.278907

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 4.1°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	12.1°C
SP2	VALUE	16.3°C
SP3	VALUE	13.8°C
SP4	VALUE	12.7°C
SP5	VALUE	15.8°C
SP6	VALUE	16.3°C
SP7	VALUE	14.7°C
SP8	VALUE	14.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

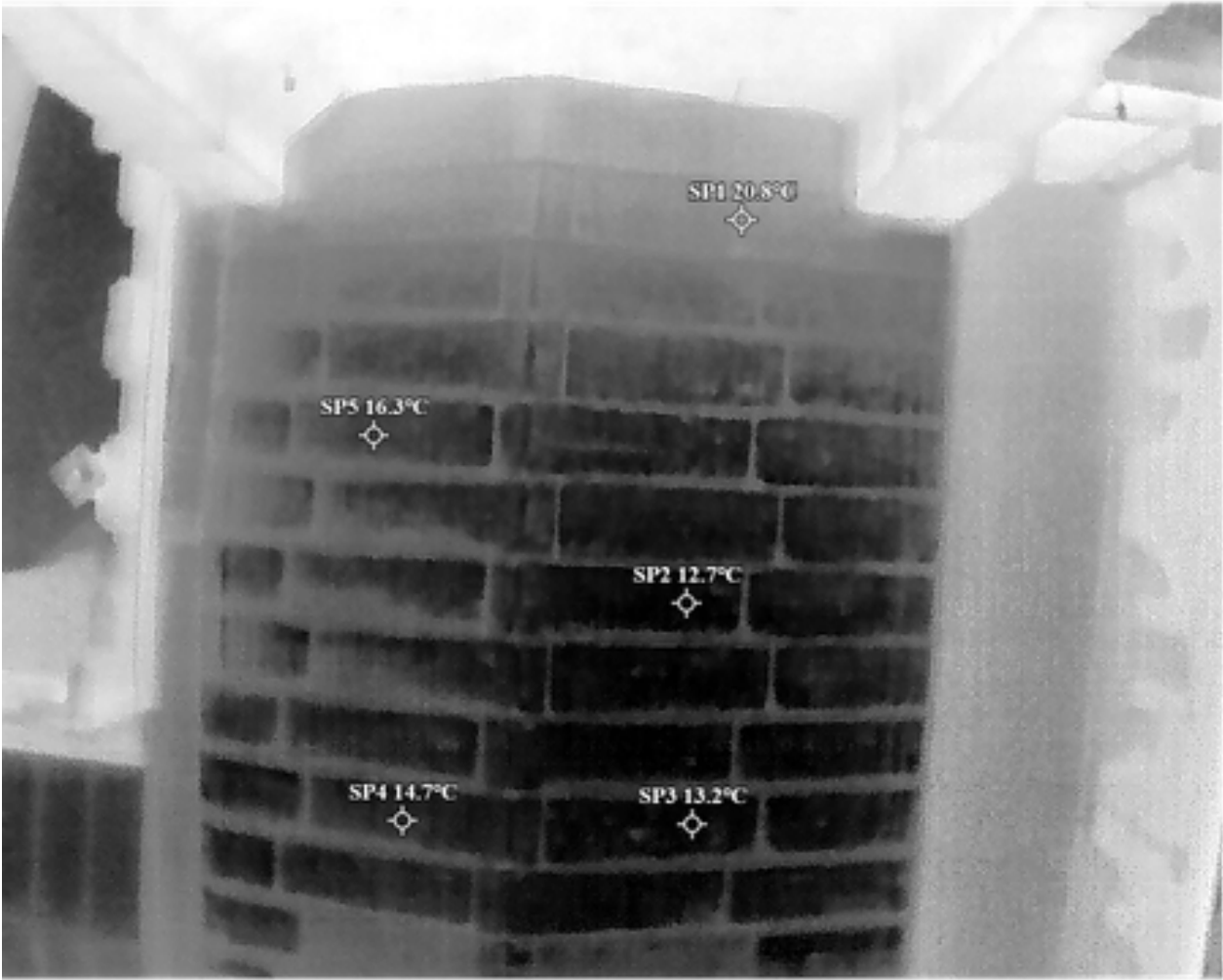
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F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:17:45
Modified	2026/07/16 13:59:45
Coordinates	50.752852, 3.279490

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP8 and the surrounding roof structure, with a maximum observed differential of approximately 4.2°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	20.8°C
SP2	VALUE	12.7°C
SP3	VALUE	13.2°C
SP4	VALUE	14.7°C
SP5	VALUE	16.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

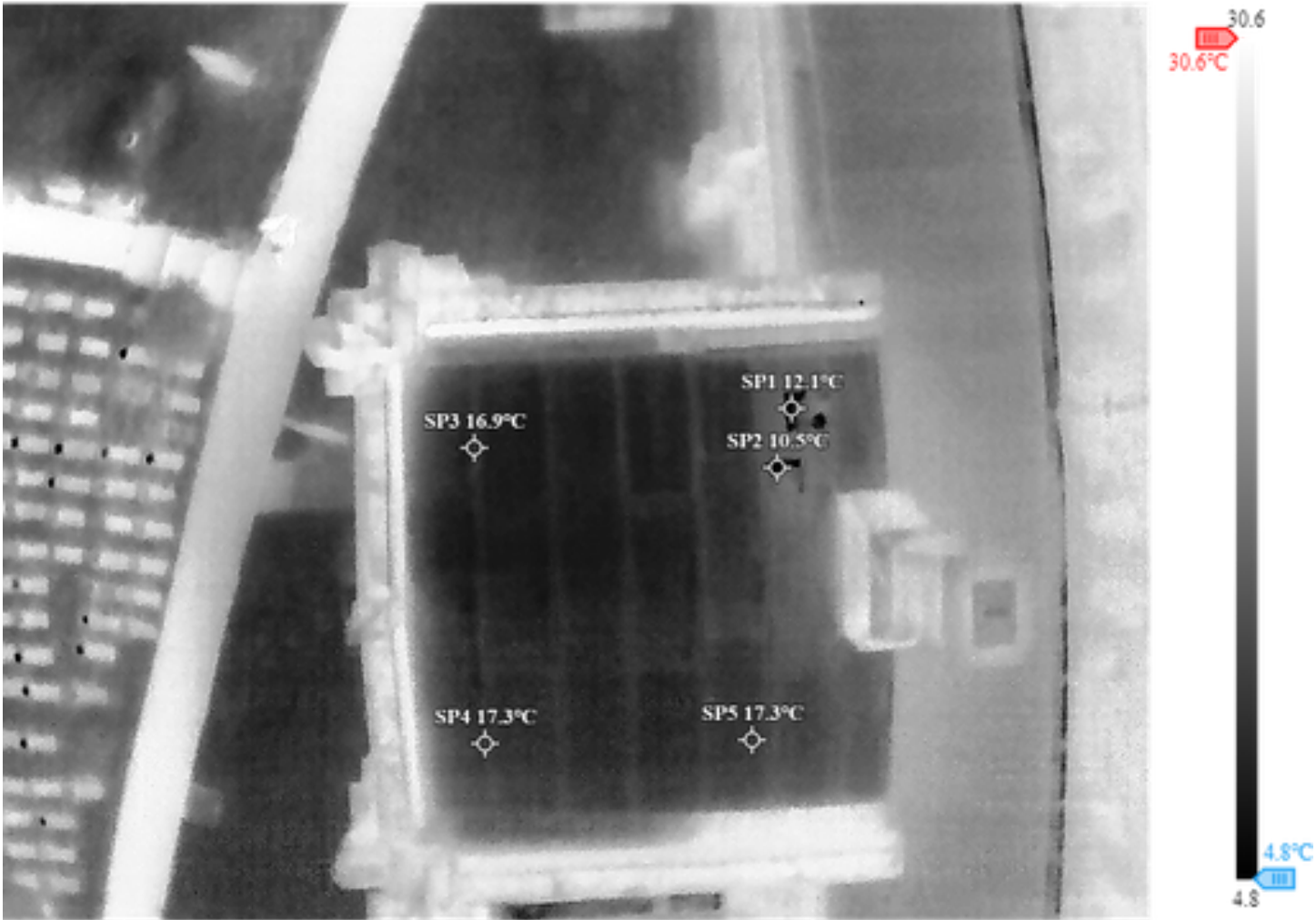
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F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:18:03
Modified	2026/07/16 14:01:16
Coordinates	50.752852, 3.279417

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP5 and the surrounding roof structure, with a maximum observed differential of approximately 8.1°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	12.1°C
SP2	VALUE	10.5°C
SP3	VALUE	16.9°C
SP4	VALUE	17.3°C
SP5	VALUE	17.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

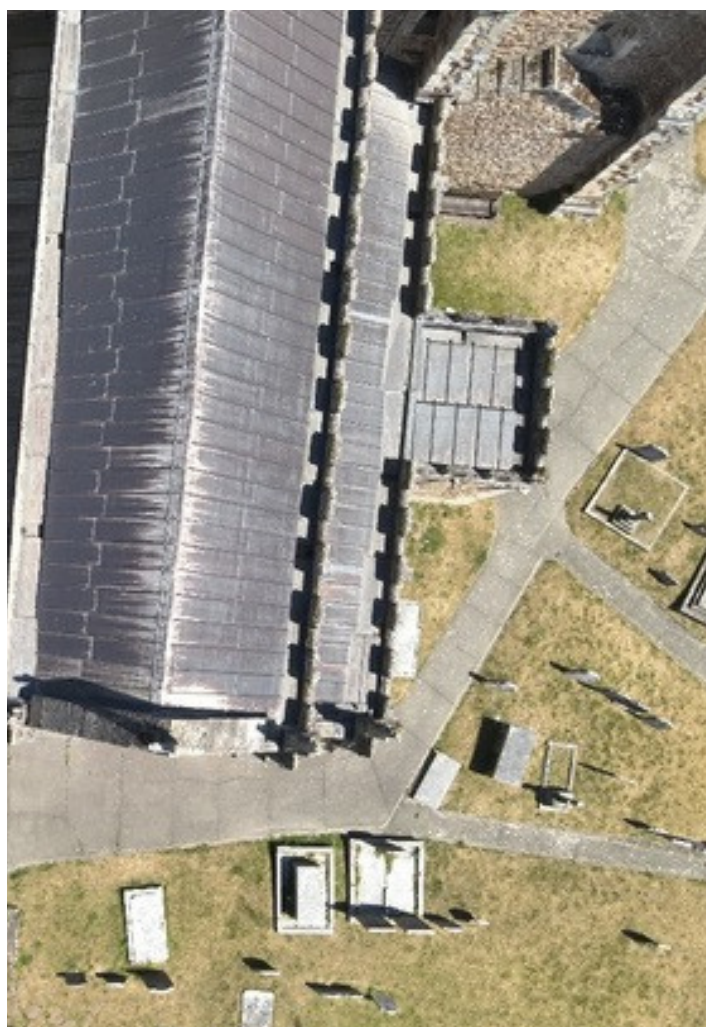
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F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:19:06
Modified	2026/07/16 14:02:22
Coordinates	50.752868, 3.279087

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP5 and the surrounding roof structure, with a maximum observed differential of approximately 6.8°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	12.7°C
SP2	VALUE	14.3°C
SP3	VALUE	18.3°C
SP4	VALUE	15.8°C
SP5	VALUE	18.9°C
SP6	VALUE	18.9°C
SP7	VALUE	19.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:10:54
Modified	2026/07/16 13:51:57
Coordinates	50.752686, 3.279525

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 7.2°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	21.8°C
SP3	VALUE	14.7°C
SP4	VALUE	13.2°C
SP5	VALUE	14.3°C
SP6	VALUE	15.8°C
SP7	VALUE	17.3°C
SP8	VALUE	18.3°C
SP9	VALUE	18.9°C
SP10	VALUE	19.4°C
SP11	VALUE	18.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:11:01
Modified	2026/07/16 13:55:56
Coordinates	50.752693, 3.279442

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP11 and the surrounding roof structure, with a maximum observed differential of approximately 8.6°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	15.3°C
SP2	VALUE	17.3°C
SP3	VALUE	17.8°C
SP4	VALUE	14.3°C
SP6	VALUE	14.3°C
SP7	VALUE	12.7°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

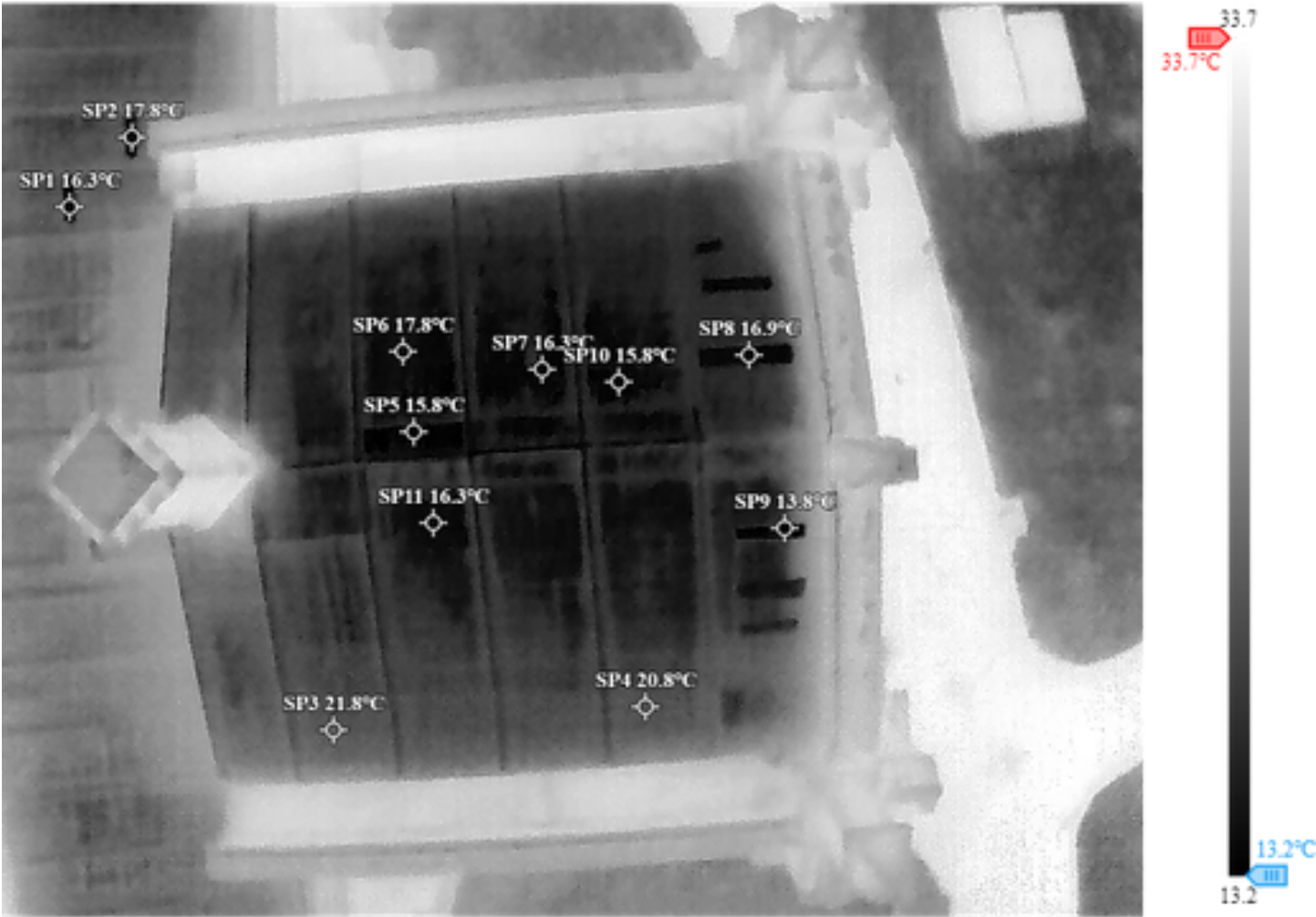
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Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:11:37
Modified	2026/07/16 13:56:49
Coordinates	50.752703, 3.279281

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 4.6°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	16.3°C
SP2	VALUE	17.8°C
SP3	VALUE	21.8°C
SP4	VALUE	20.8°C
SP5	VALUE	15.8°C
SP6	VALUE	17.8°C
SP7	VALUE	16.3°C
SP8	VALUE	16.9°C
SP9	VALUE	13.8°C
SP10	VALUE	15.8°C
SP11	VALUE	16.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
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Coordinates	50.752710, 3.279076

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP11 and the surrounding roof structure, with a maximum observed differential of approximately 8°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	16.9°C
SP2	VALUE	18.9°C
SP3	VALUE	15.8°C
SP4	VALUE	19.9°C
SP5	VALUE	17.3°C
SP6	VALUE	19.9°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

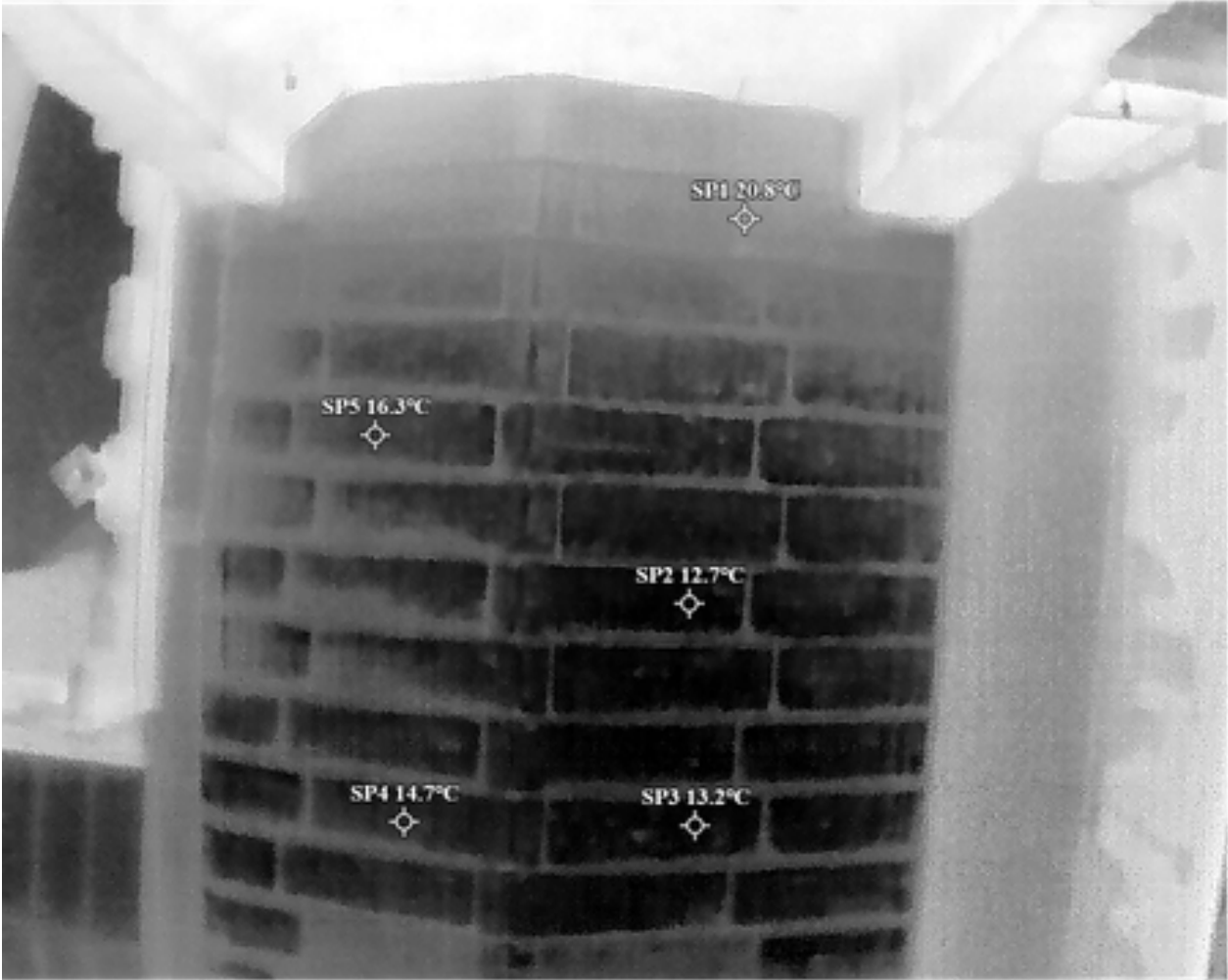
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Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:14:50
Modified	2026/07/16 13:59:06
Coordinates	50.752810, 3.278907

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP7 and the surrounding roof structure, with a maximum observed differential of approximately 4.1°C. This area is recommended for further inspection.



Measurements

SP1	VALUE	20.8°C
SP2	VALUE	12.7°C
SP3	VALUE	13.2°C
SP4	VALUE	14.7°C
SP5	VALUE	16.3°C

Parameters

Distance	5 m
Humidity	50%
Emissivity	0.95
Reflected Temp	25.0°C

Image Info

Model	M3T
Serial Number	1581F5FJB22A700A0EEN
Focal Length	9.1 mm
F-Number	f/1.0
Width	640
Height	512
Created	2026/07/14 22:18:03
Modified	2026/07/16 14:01:16
Coordinates	50.752852, 3.279417

Annotations

KEY	VALUE

Remarks

Anomalies identified between survey points SP1/SP5 and the surrounding roof structure, with a maximum observed differential of approximately 8.1°C. This area is recommended for further inspection.

*****End of Survey Report*****

