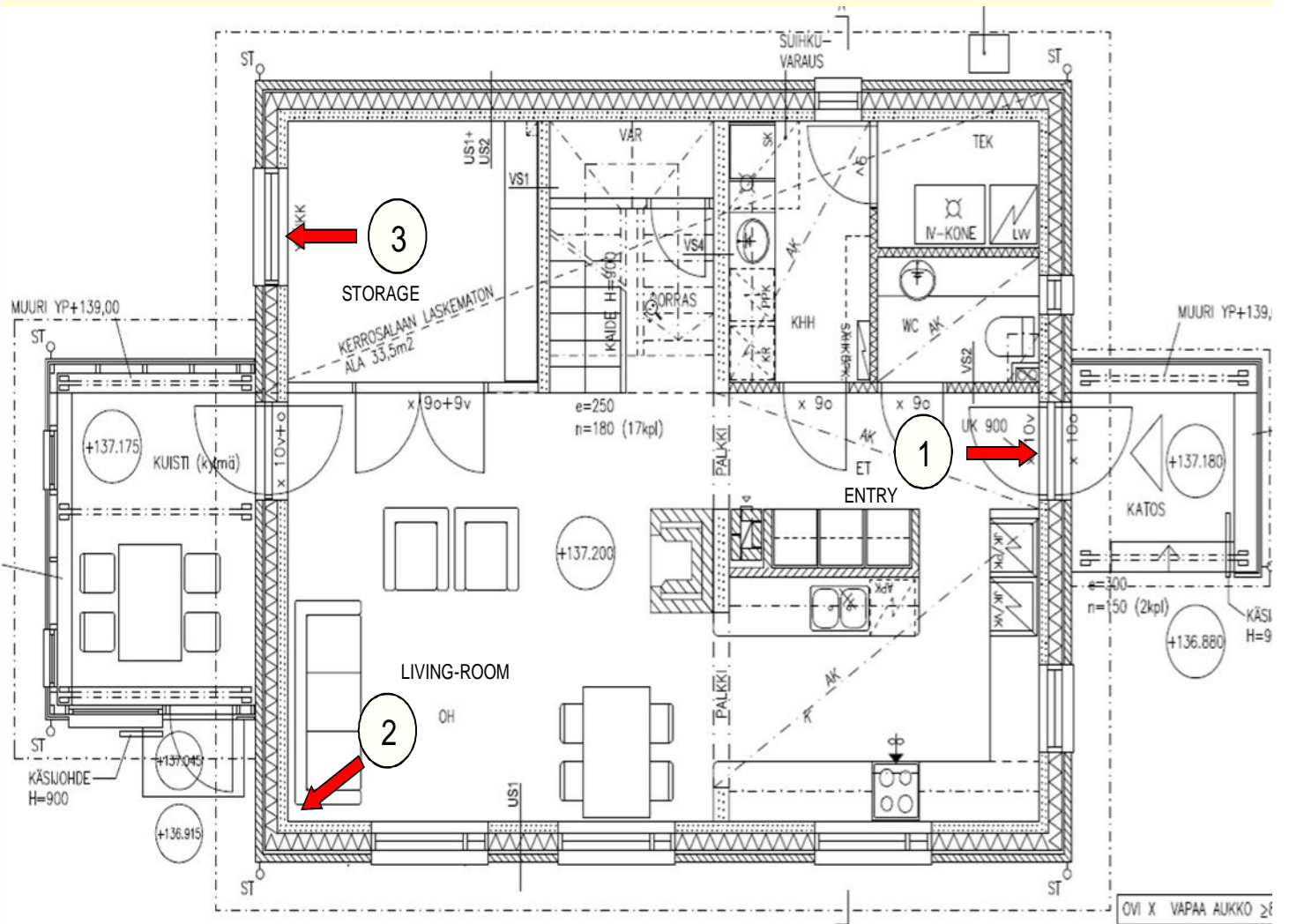


Santa Claus comes from Finland



TEMPERATURE DIFFERENCE DURING THERMOPICTURING
WERE OUTSIDE -19.7°C
INSIDE +20°C



1 ST FLOOR PLAN

Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

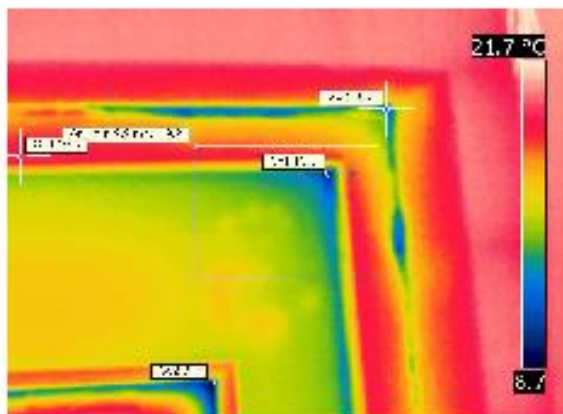


Image and Object Parameters

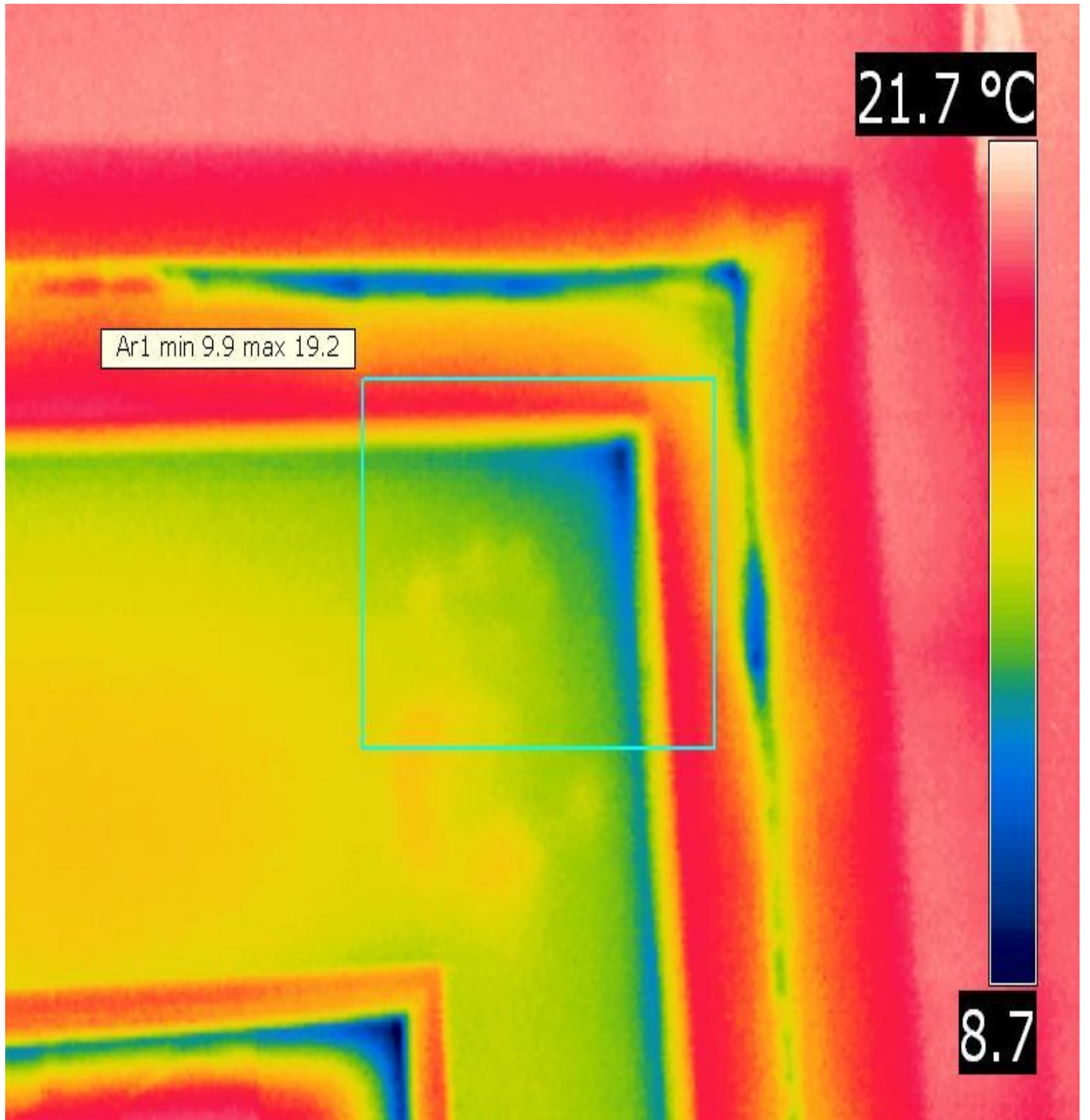


Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 8:59:56
Image Name	IR_0149.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description

Point 1 Main entrance door right upper corner Piste 1 I kerros ulko-ovi ylänurkka	Point 1 Main entrance door Piste 1 I kerros Ulko-ovi
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Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

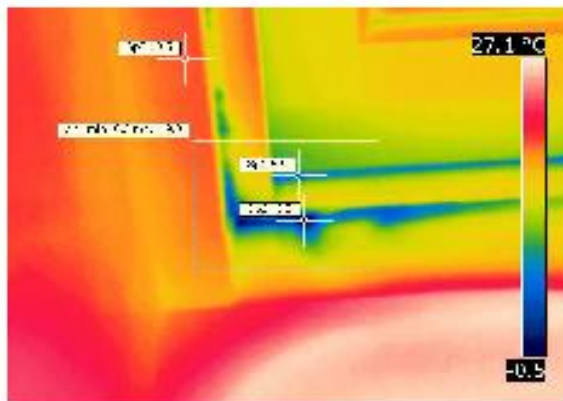


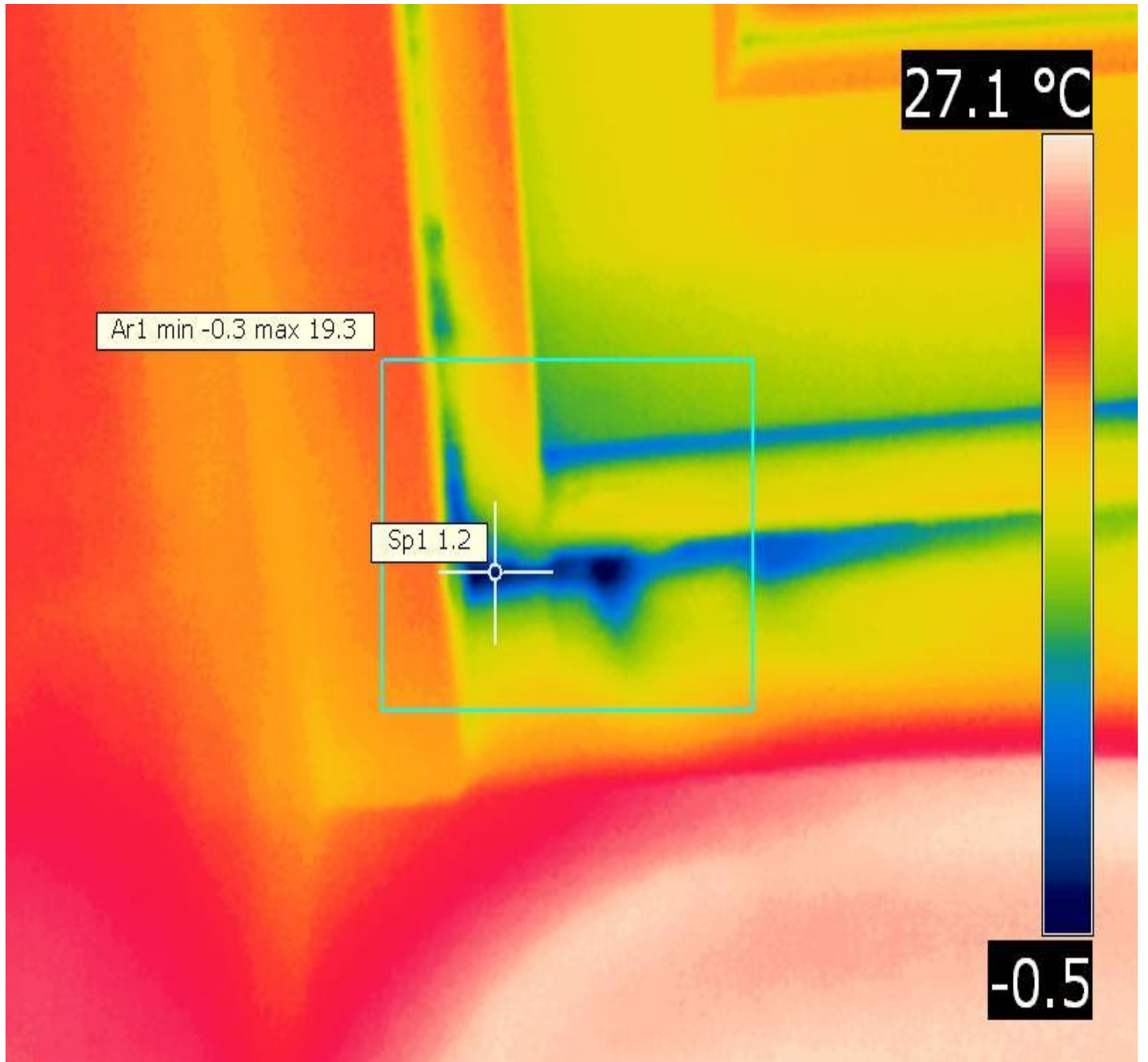
Image and Object Parameters



Text Comments

Camera Model	FLIR B360_ Western	Possible defect	Broken insulation strip
Image Date	24.2.2010 9:04:16		
Image Name	IR_0151.jpg		
Emissivity	0,84		
Reflected apparent temperature	20,0 °C		
Object Distance	1,0 m		

Description	
Point1 1st floor main entrance left lower corner Piste1 Ulko-oven vasen alakulma	Point1 1st floor main entrance left lower corner Piste1 Ulko-oven vasen alakulma



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

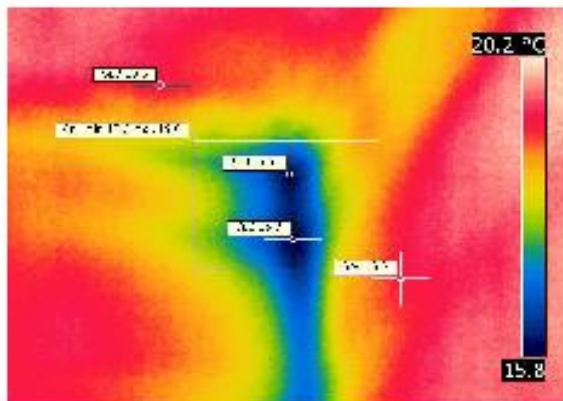


Image and Object Parameters

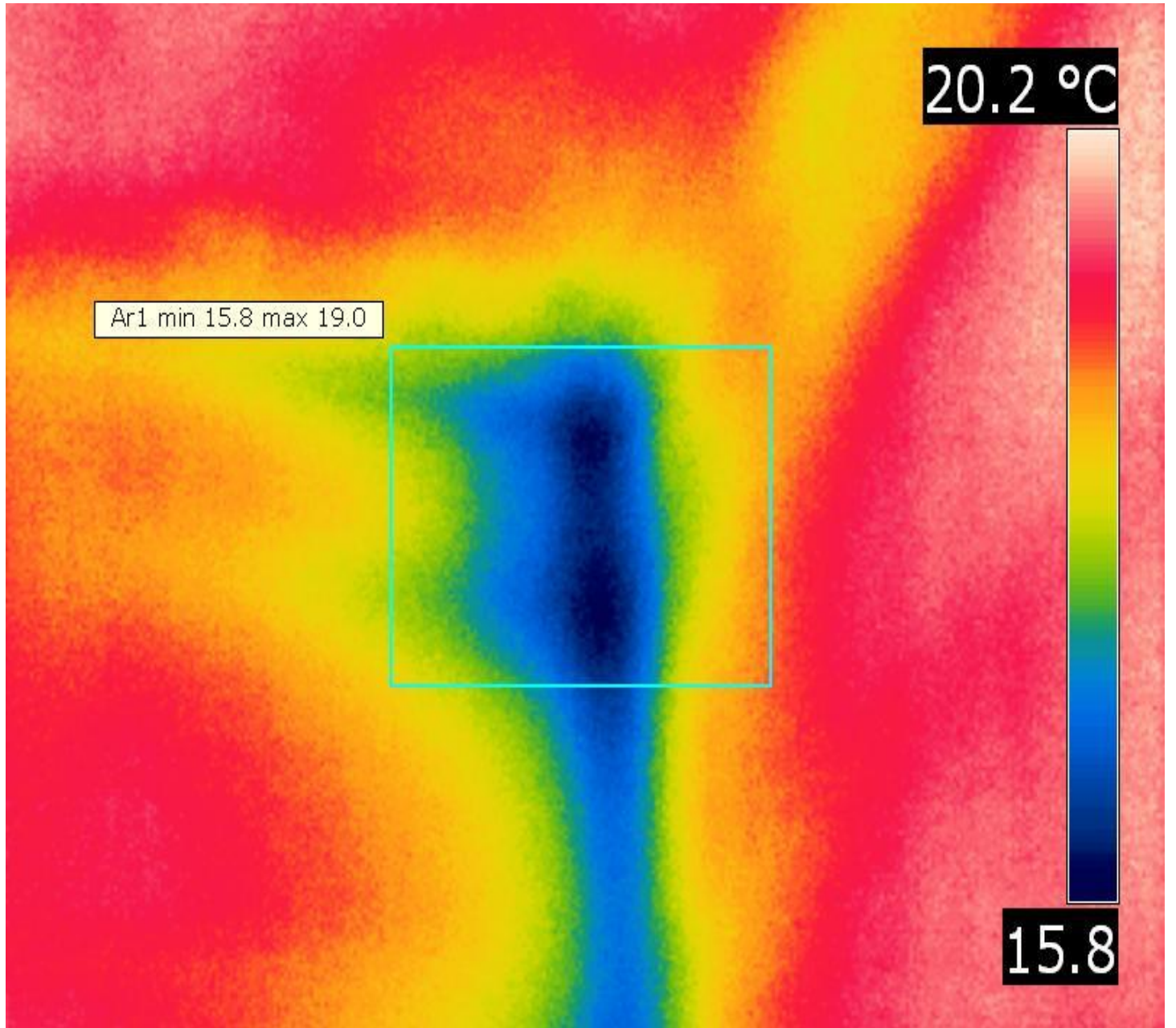


Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 8:26:18
Image Name	IR_0141.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description

Point 2 1st floor The corner of ceiling at the living room Piste 2 Ensimmäinen kerros olohuoneen katon nurkkaus	Point 2 1st floor The corner of ceiling at the living room Piste 2 Ensimmäinen kerros olohuoneen katon nurkkaus
--	--



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

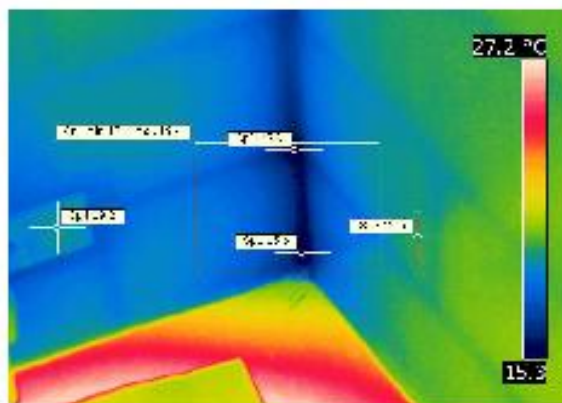


Image and Object Parameters



Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 8:30:21
Image Name	IR_0143.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 2 1 st floor The corner of floor at the living room Piste 2 1 kerros olohuoneen lattian nurkkaus	Point 2 1 st floor The corner of floor at the living room Piste 2 1 kerros olohuoneen lattian nurkkaus



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

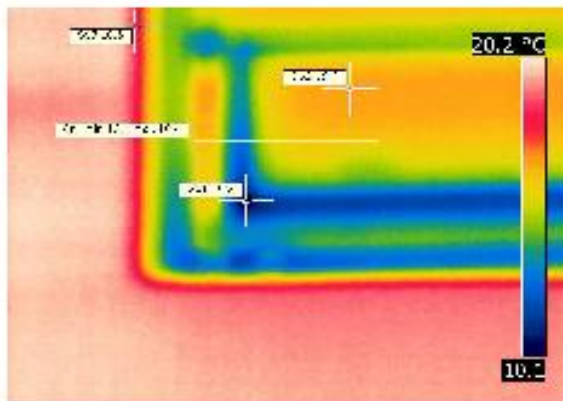


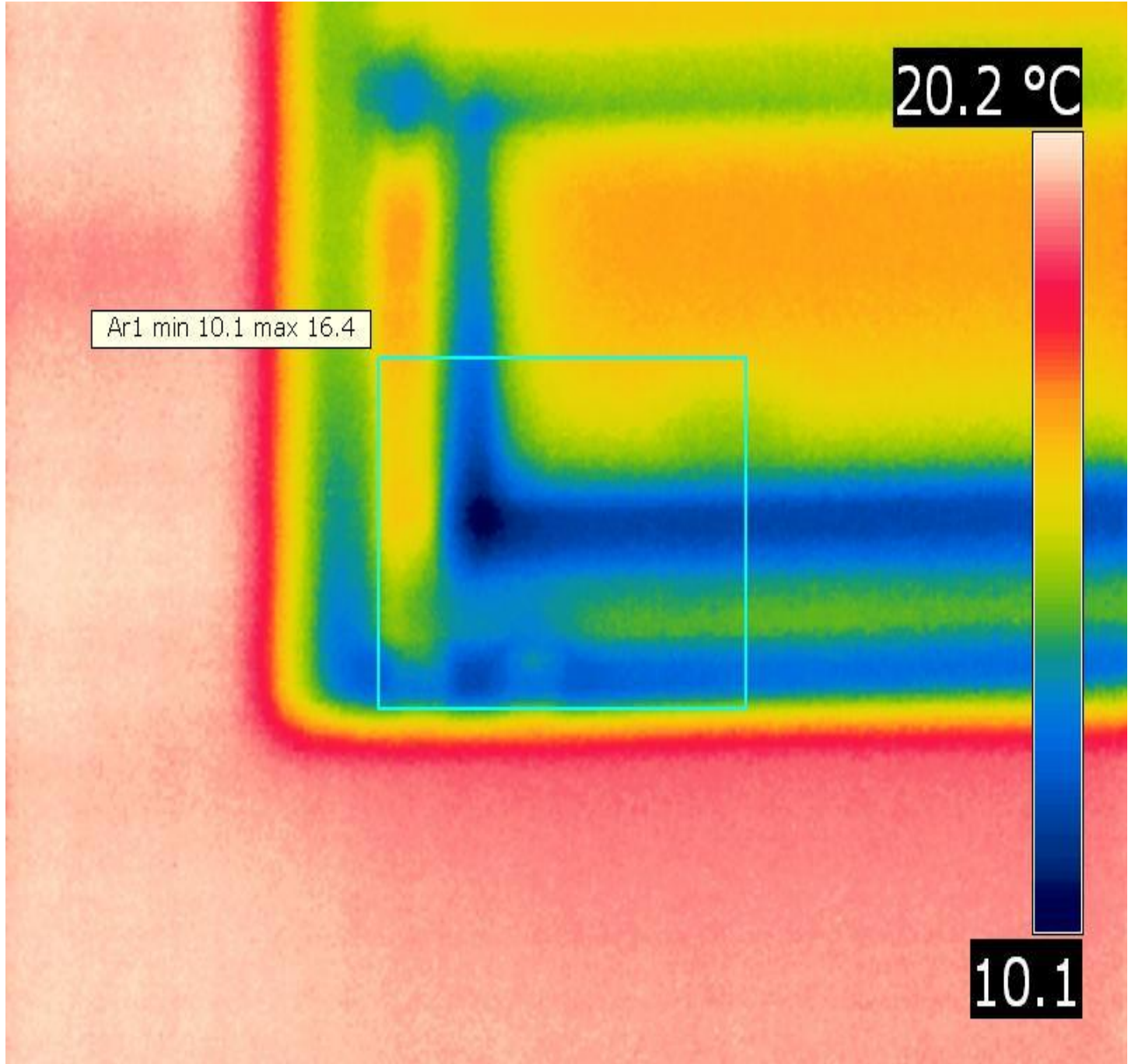
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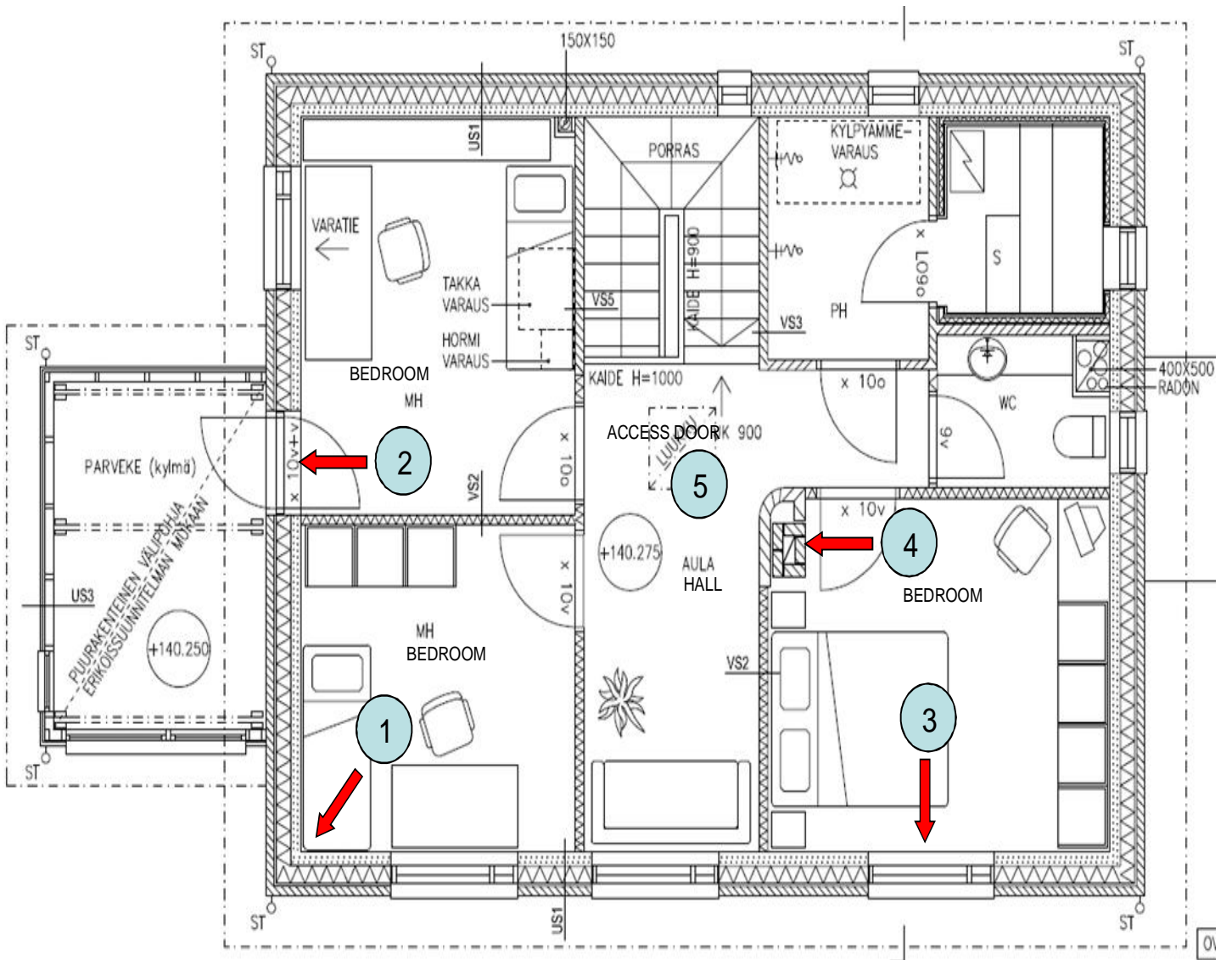
Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 8:48:49
Image Name	IR_0147.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 3 1st floor storage room bottom line of the window Piste 3 I kerros varasto ikkunan alareuna	Point 3 1st floor storage room bottom line of the window Piste 3 I kerros varasro ikkuna







2ND FLOOR PLAN

Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

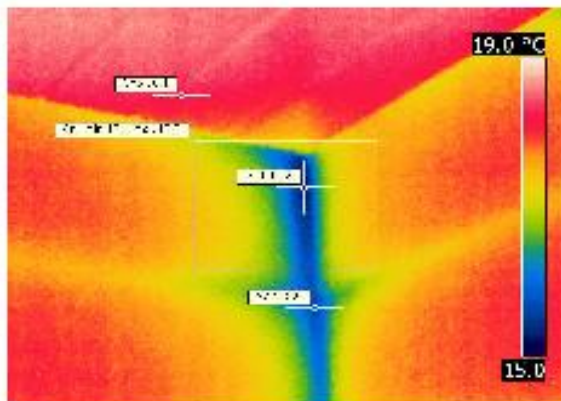
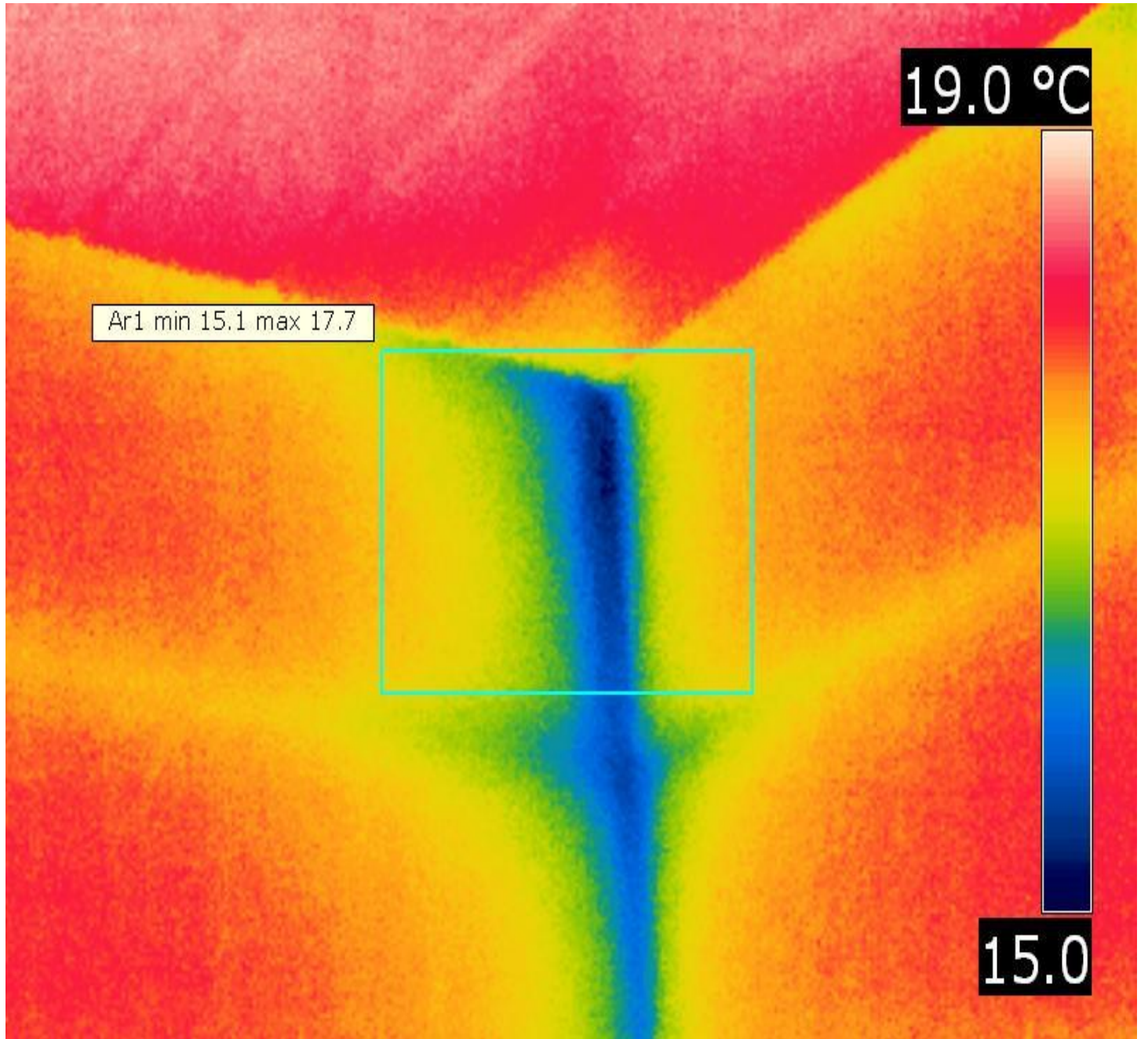


Image and Object Parameters

Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:13:20
Image Name	IR_0157.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 1 2 nd floor bedroom the corner of the ceiling Piste 1 II kerros makuuhuone katon raja	Point 1 2 nd floor bedroom the corner of the ceiling Piste 1 II kerros makuuhuone katon raja



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

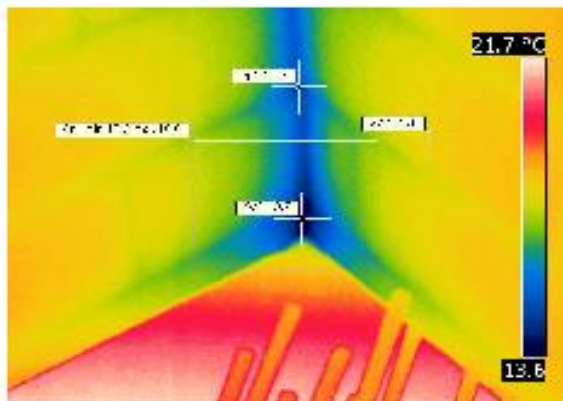


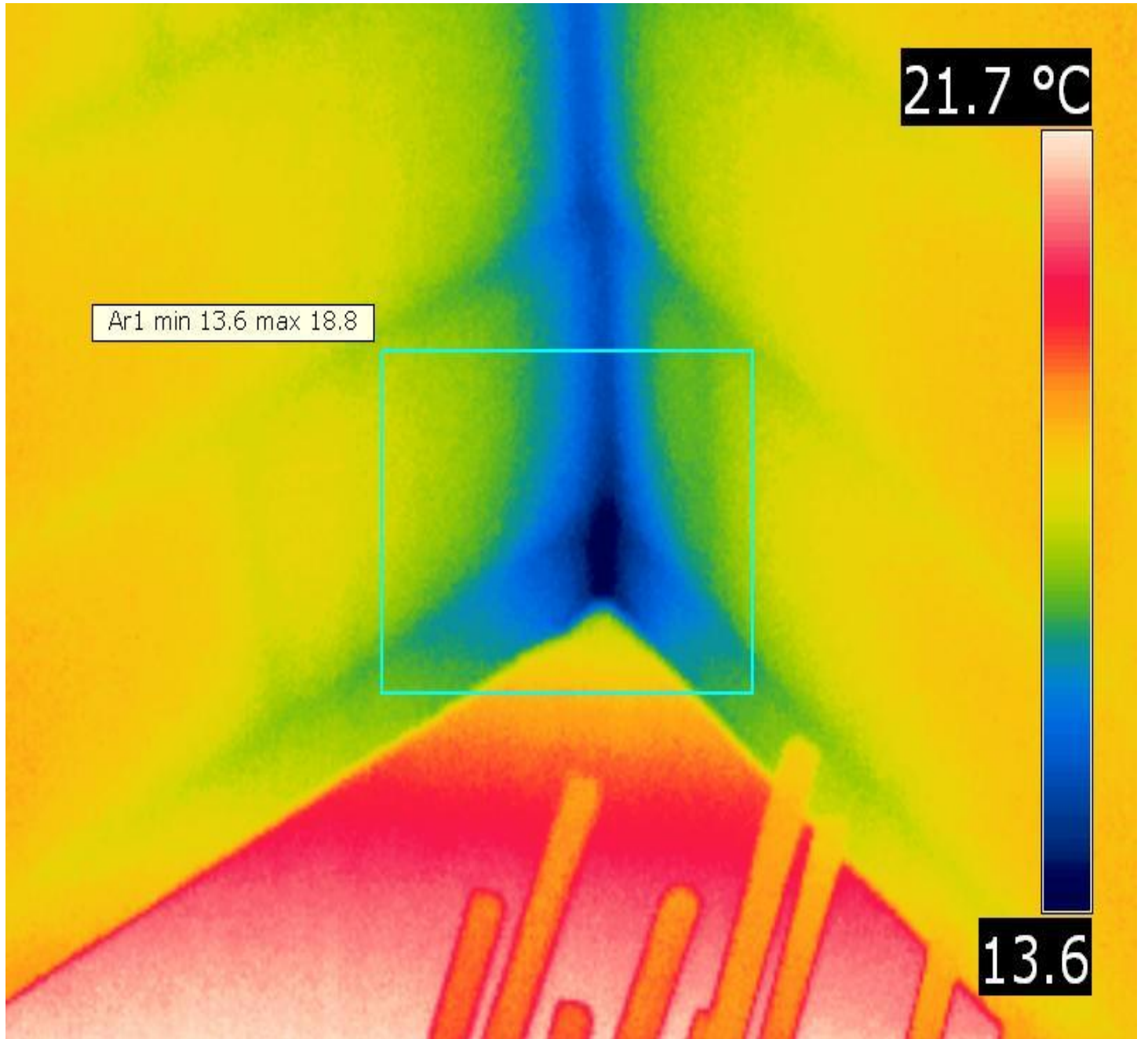
Image and Object Parameters



Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:13:53
Image Name	IR_0159.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 1 2 nd floor bedroom corner of the floor Piste 1 II kerros makuuhuone lattia raja	Point 1 2 nd floor bedroom corner of the floor Piste 1 II kerros makuuhuone lattia raja



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

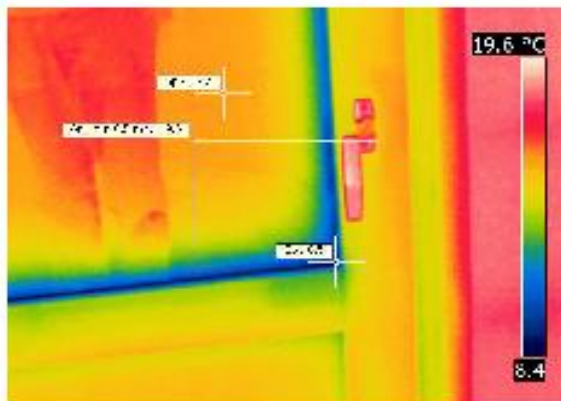
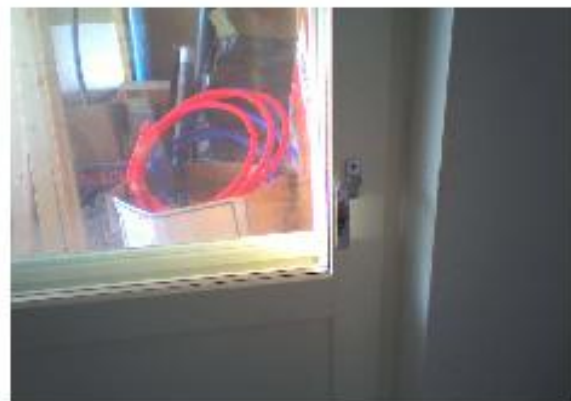


Image and Object Parameters



Text Comments

Camera Model FLIR B360_ Western

The terrace The terrace is not heated area but is glazed

Image Date 24.2.2010 9:15:43

Image Name IR_0161.jpg

Emissivity 0,84

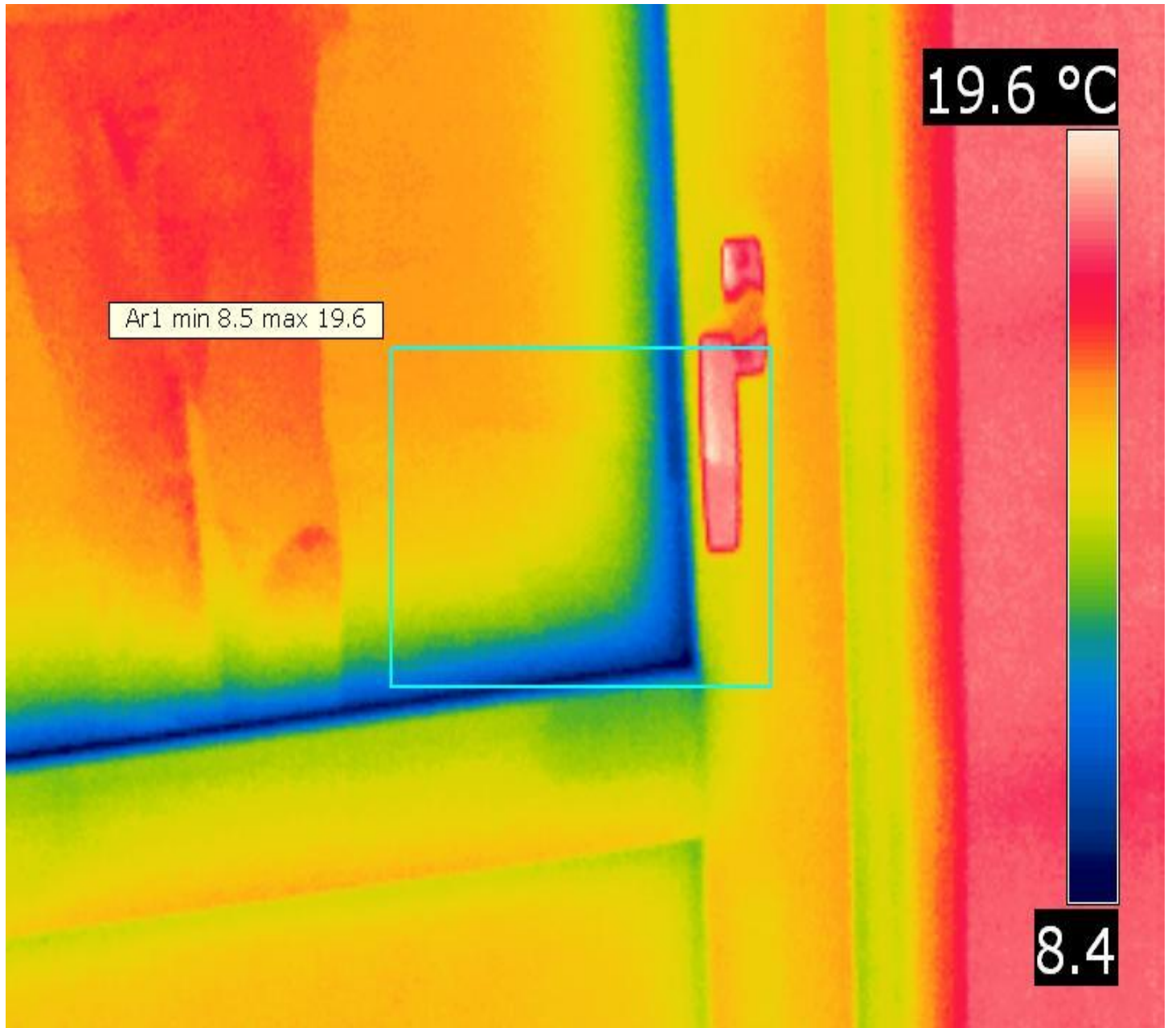
Reflected apparent temperature 20,0 °C

Object Distance 1,0 m

Description

Point 2
 2 nd floor bedroom terrace door
 Piste 2
 II kerros makuuhuone parvekkeen ovi

Point 2
 2 nd floor bedroom terrace door
 Piste 2
 II kerros makuuhuone parvekkeen ovi



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

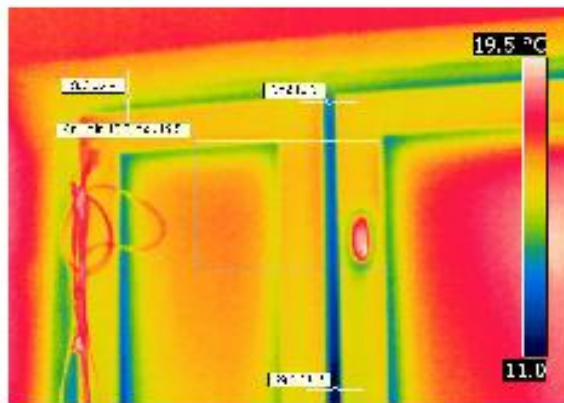


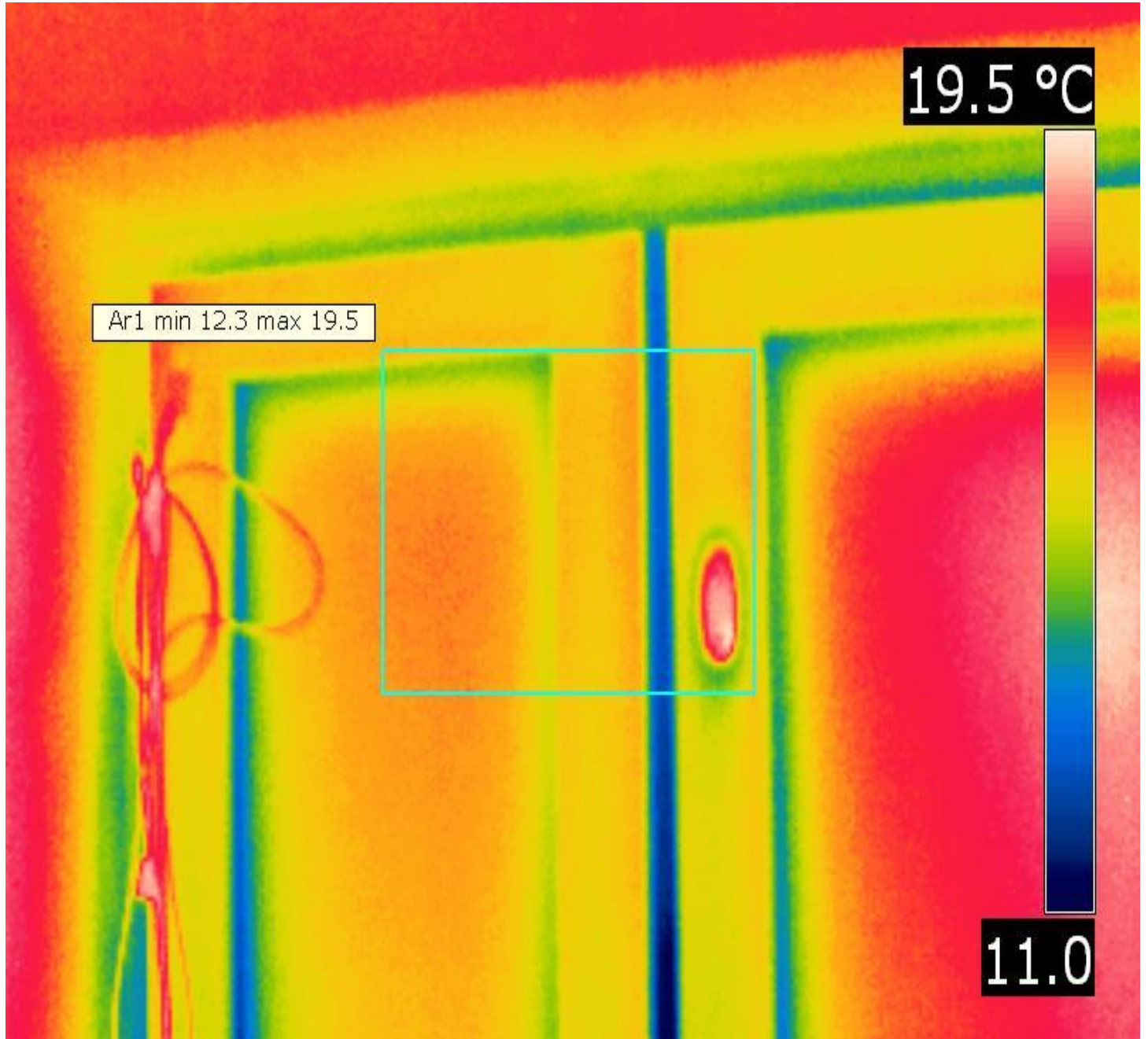
Image and Object Parameters



Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:10:14
Image Name	IR_0153.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 3 2 nd bedroom window upper corner Piste 3 II kerros makuuhuone Ikkuna	Point 3 2 nd bedroom window upper corner Piste 3 II kerros makuuhuone Ikkuna



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

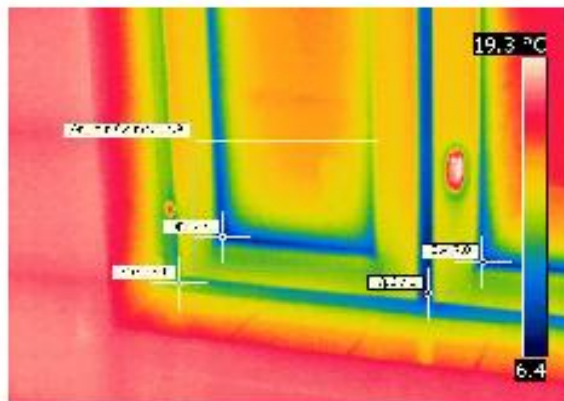


Image and Object Parameters



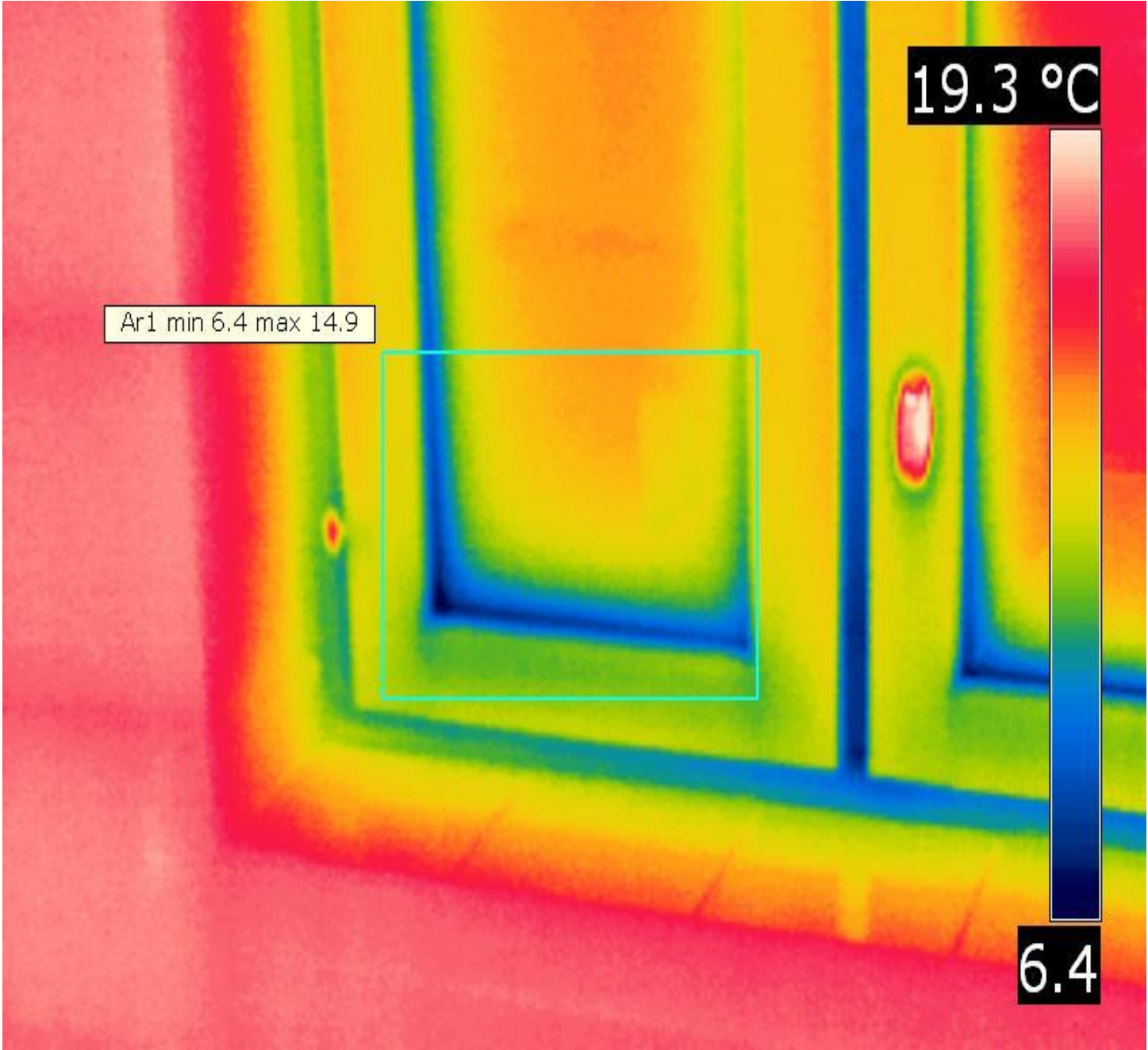
Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:11:42
Image Name	IR_0155.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description

Point 3
 2 nd floor bedroom lower corner of the window
 Piste 3
 II kerros makuuhuoneen ikkunan alaosa

Point 3
 2 nd floor bedroom lower corner of the window
 Piste 3
 II kerros makuuhuoneen ikkunan alaosa



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

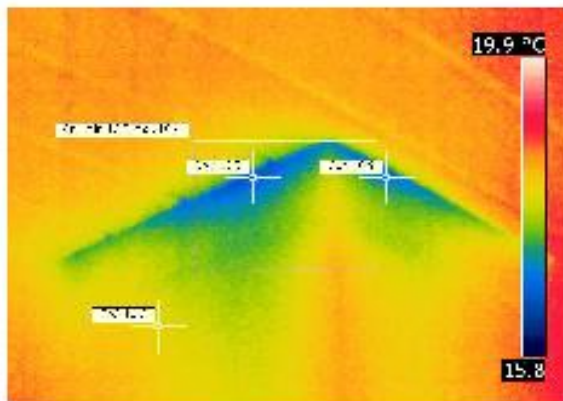


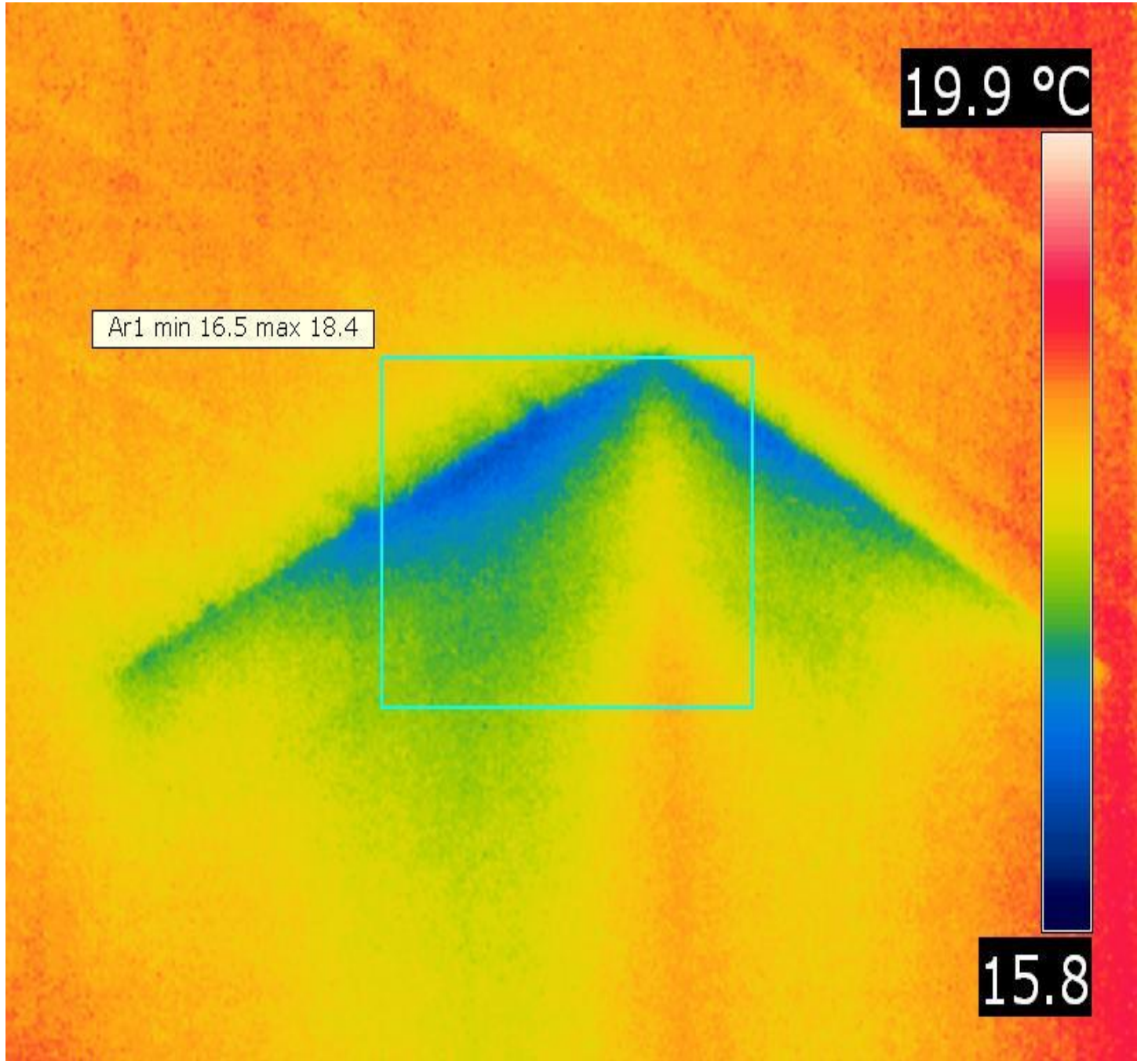
Image and Object Parameters



Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:17:15
Image Name	IR_0163.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description	
Point 4 2 nd floor chimney upper corner Piste 4 II kerros piipun yläosa	Point 4 2 nd floor chimney upper corner Piste 4 II kerros piipun yläosa



Report Date 16.3.2010

Company Koulutuskeskus Salpaus
 Address Ståhlberginkatu 6, LAHTI
 Thermographer Matti Haara / Risto Rantasalo / Students

Customer Timo Kauppi
 Site Address Kimmelkatu 2, LAHTI
 Contact Person Timo Kauppi

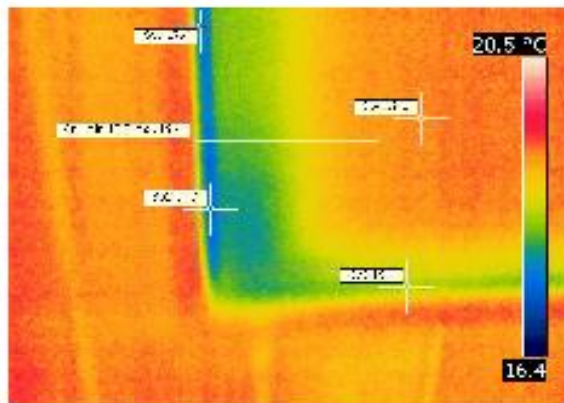


Image and Object Parameters



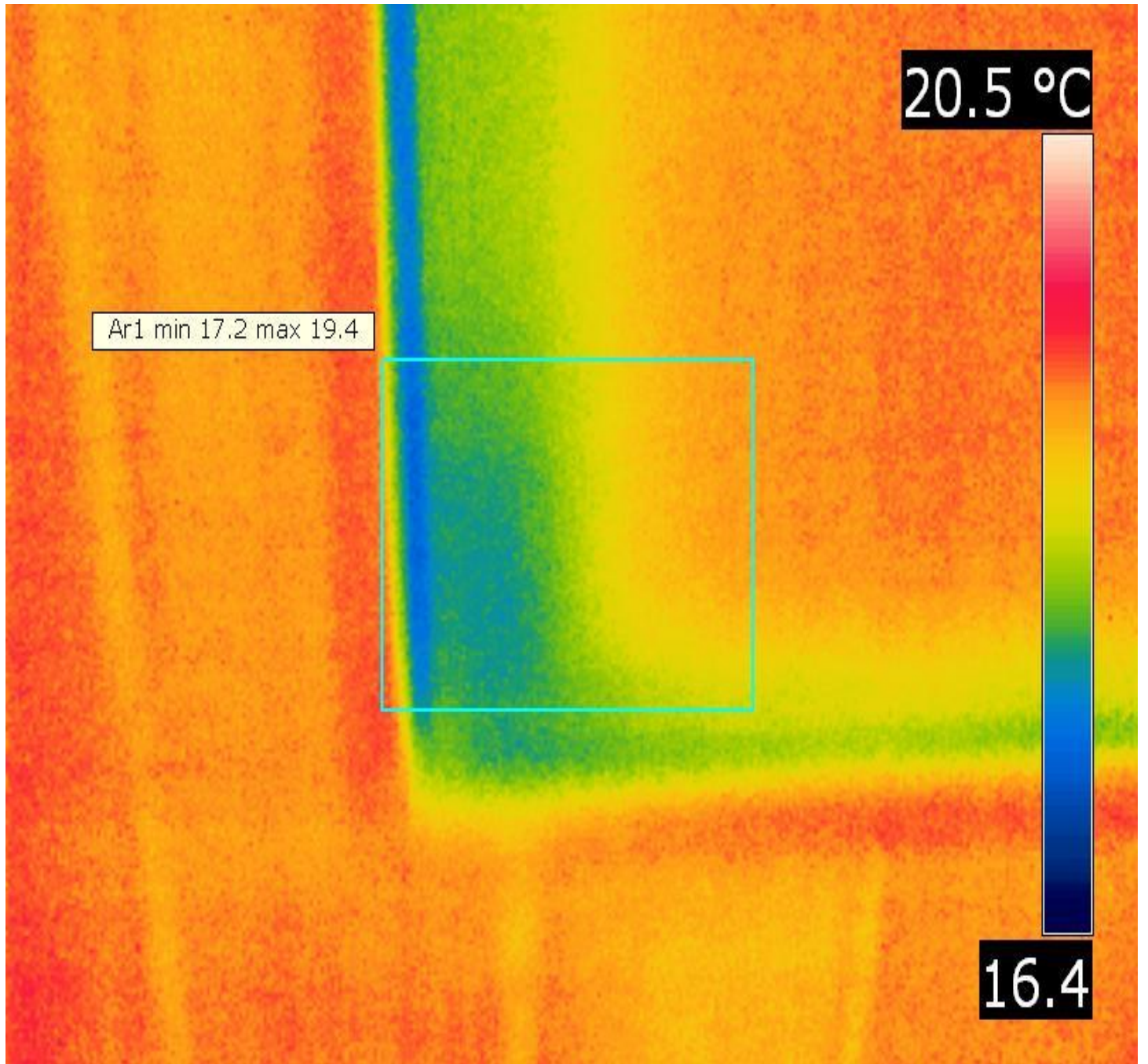
Text Comments

Camera Model	FLIR B360_ Western
Image Date	24.2.2010 9:18:47
Image Name	IR_0165.jpg
Emissivity	0,84
Reflected apparent temperature	20,0 °C
Object Distance	1,0 m

Description

Point 5
 Access door to the attic space
 Piste 5
 II kerros kattoluukku

Point 5
 Access door to the attic space
 Piste 5
 II kerros kattoluukku



Every young family wants
this type of family house in
Finland

