

Constraining the mechanisms of aeolian bedform formation on Mars through a global morphometric survey: Supporting information S2

David A. Vaz¹, Simone Silvestro^{2,3}, Matthew Chojnacki⁴ and David C. A. Silva¹

¹Centre for Earth and Space Research of the University of Coimbra, Observatório Geofísico e Astronómico da Universidade de Coimbra, Coimbra, Portugal.

²INAF Osservatorio Astronomico di Capodimonte, Napoli, Italia.

³SETI Institute, Carl Sagan Center, Mountain View, CA, USA.

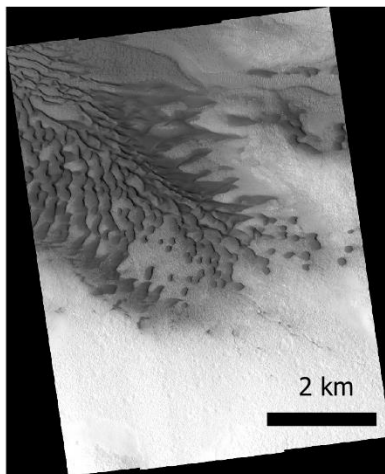
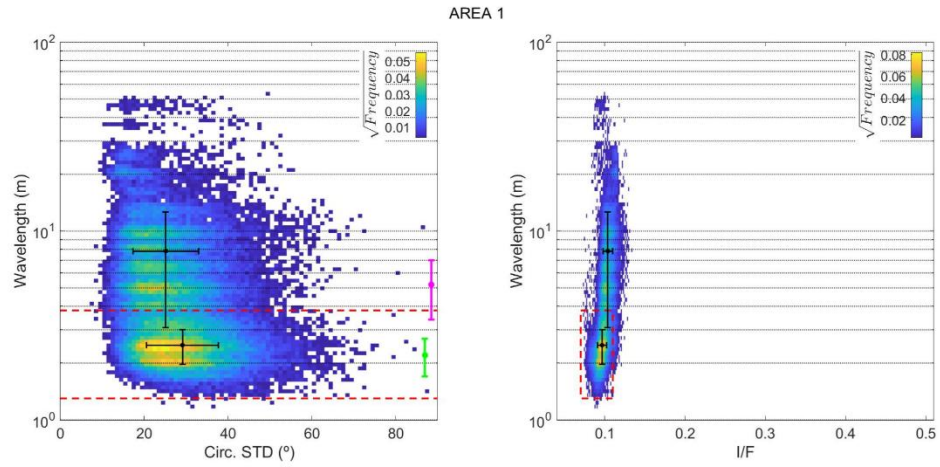
⁴Planetary Science Institute, Lakewood, CO, USA.

Contents of this file

In this file we present the maps and histograms used to discriminate bedform populations. A common layout was adopted for the 75 areas, the first 11 areas are the same surveyed by Lapotre et al. (2016), while areas 51-75 correspond to the Tharsis regions analyzed by Lorenz et al. (2014).

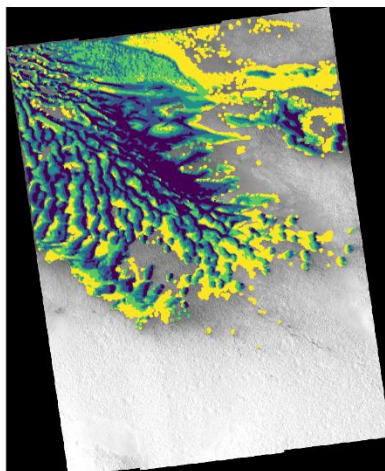
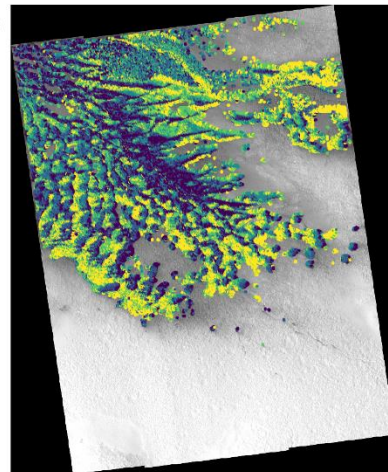
The 2D kernel density histograms located in the first row display the distributions of wavelength, circular standard deviation and albedo (I/F), a square root stretch is used to highlight secondary maxima. Red dashed lines correspond to the wavelength and albedo thresholds used to segment the two bedform classes: large dark-toned ripples and megaripples & TARs. Computed averages and standard deviation intervals are shown in black, while wavelength averages from previous studies are shown in the right side of the first plot (green: large dark-toned ripples; magenta: TARs; cyan: Tharsis bedforms). In the middle row we show the HiRISE image (left) and the wavelength map (right). The lower-left map displays the albedo variations, and the lower-right map displays the classified bedform type.

Area 1



Wavelength (m)

- 1.3 - 2.27
- 2.27 - 2.77
- 2.77 - 4.32
- 4.32 - 6.86
- 6.86 - 52.32

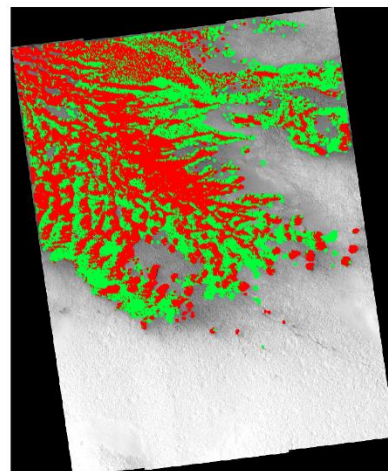


I/F

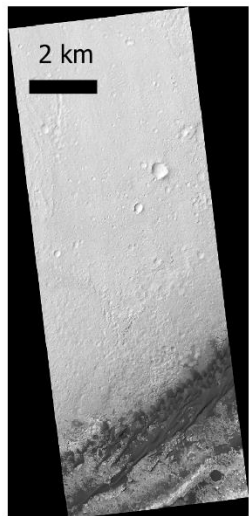
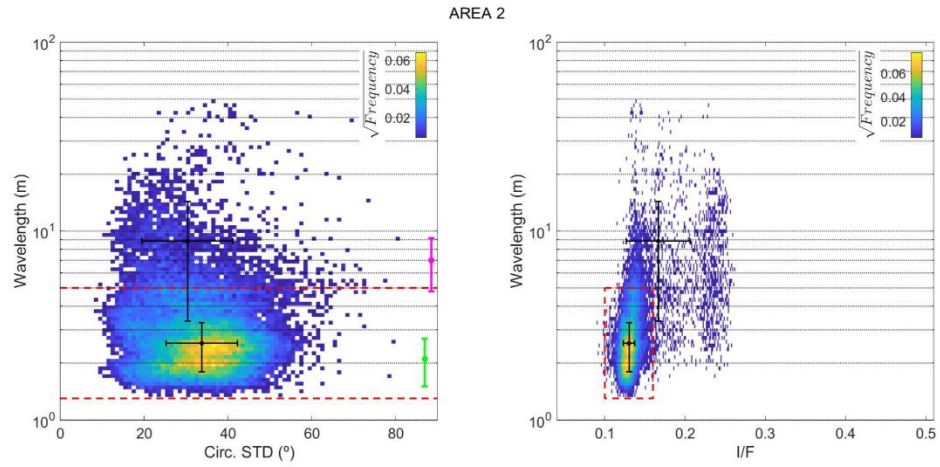
- 0,073 - 0,094
- 0,094 - 0,098
- 0,098 - 0,101
- 0,101 - 0,105
- 0,105 - 0,133

Bedform type

- Large ripple
- Megaripple / TAR

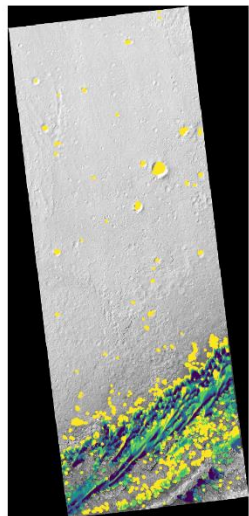
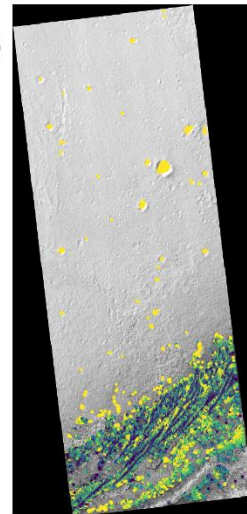


Area 2



Wavelength (m)

- 1,34 - 1,96
- 1,96 - 2,29
- 2,29 - 2,62
- 2,62 - 3,4
- 3,4 - 49,05

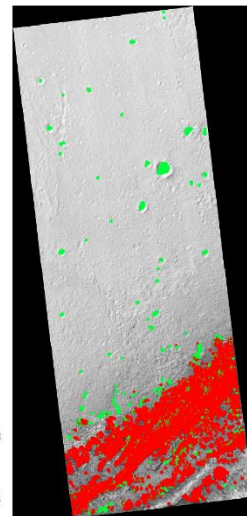


I/F

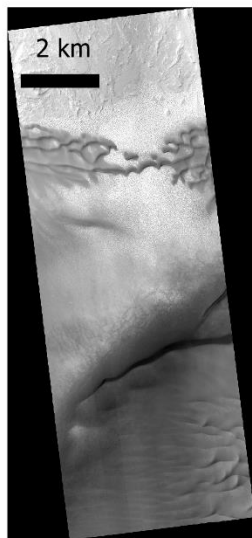
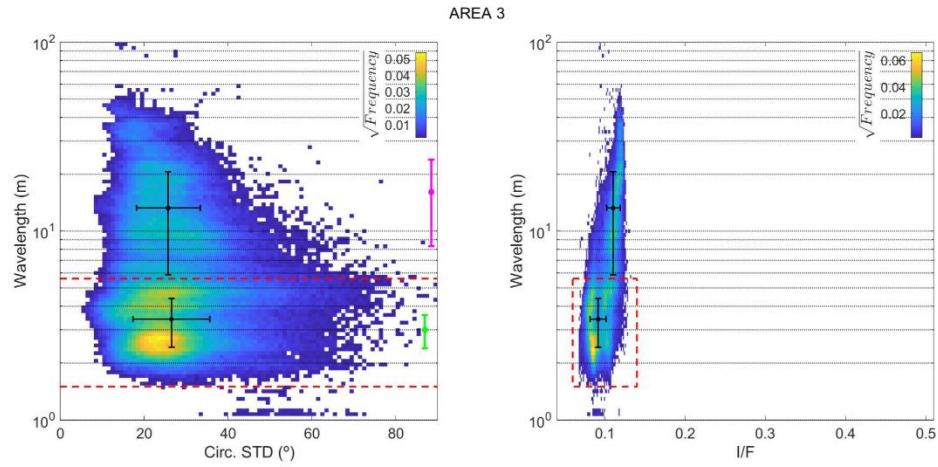
- 0,1002 - 0,1245
- 0,1245 - 0,1287
- 0,1287 - 0,1324
- 0,1324 - 0,1371
- 0,1371 - 0,2614

Bedform type

- Large ripple
- Megaripple / TAR

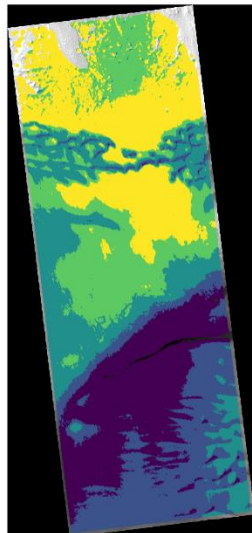
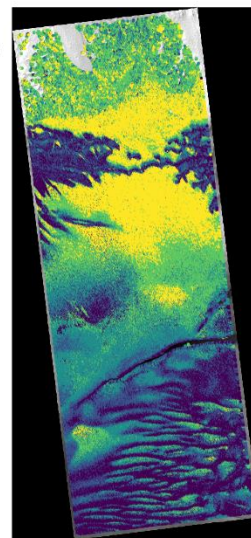


Area 3



Wavelength (m)

- 1,5 - 2,7
- 2,7 - 3,7
- 3,7 - 5
- 5 - 10
- 10 - 98,4

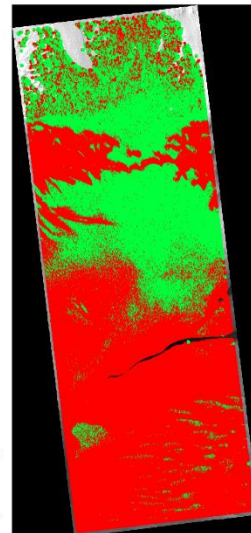


I/F

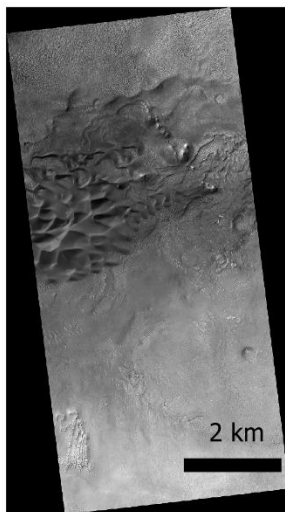
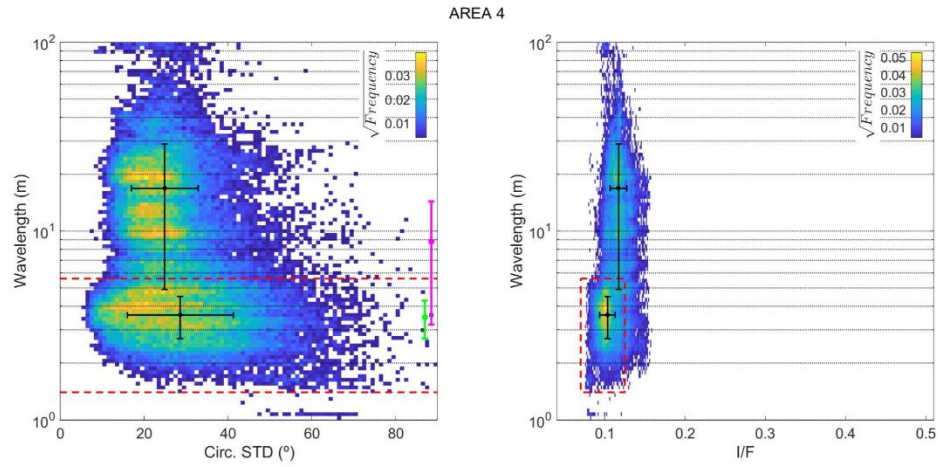
- 0,0676 - 0,0847
- 0,0847 - 0,0922
- 0,0922 - 0,1037
- 0,1037 - 0,1115
- 0,1115 - 0,1325

Bedform type

- Large ripple
- Megaripple / TAR

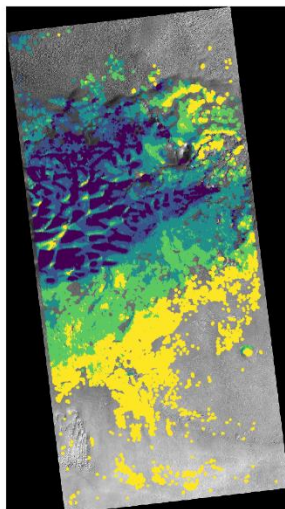
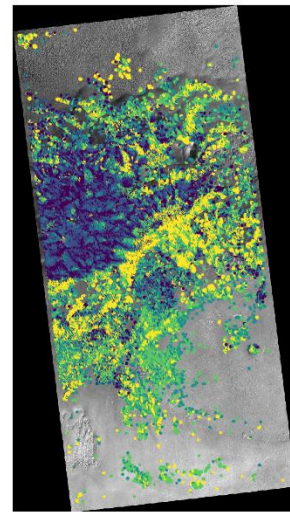


Area 4



Wavelength (m)

- 1,4 - 3,4
- 3,4 - 4,7
- 4,7 - 9,5
- 9,5 - 17,6
- 17,6 - 115

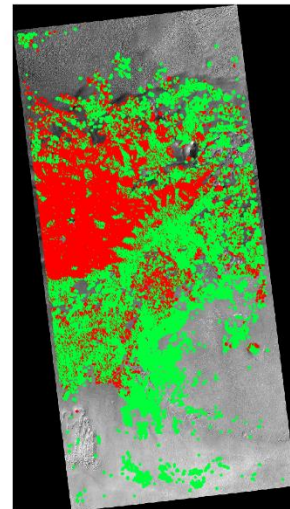


I/F

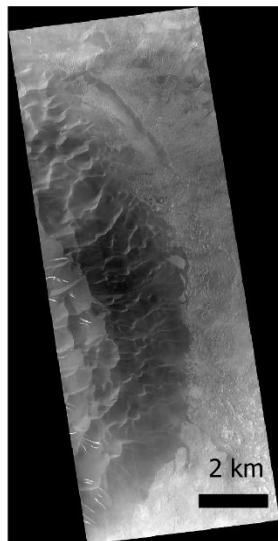
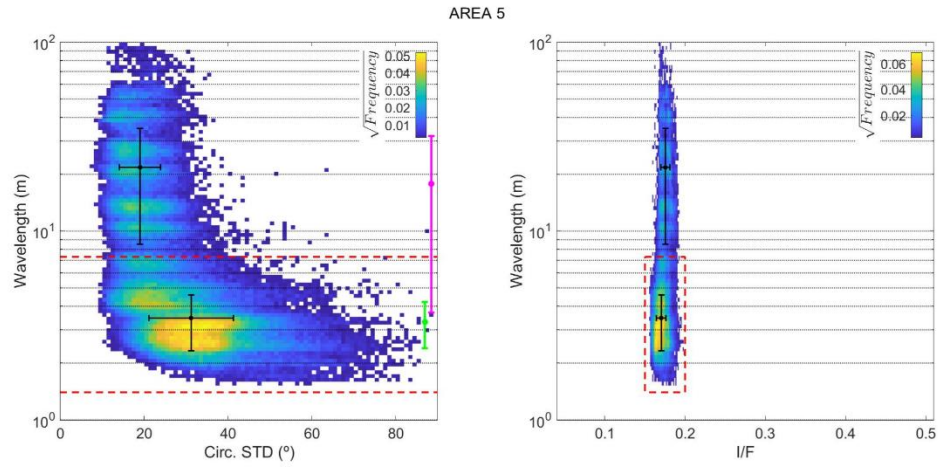
- 0,0762 - 0,1
- 0,1 - 0,1066
- 0,1066 - 0,1143
- 0,1143 - 0,1203
- 0,1203 - 0,1567

Bedform type

- Large ripple
- Megaripple / TAR

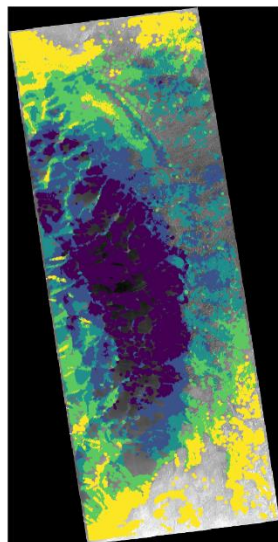
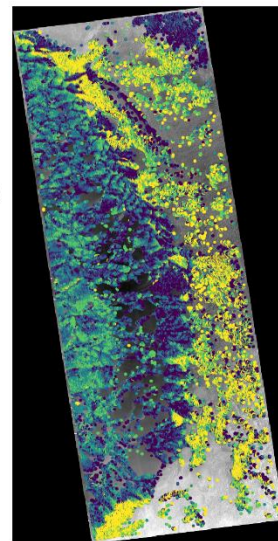


Area 5



Wavelength (m)

- 1,56 - 2,66
- 2,66 - 3,19
- 3,19 - 4,2
- 4,2 - 10,25
- 10,25 - 100,02

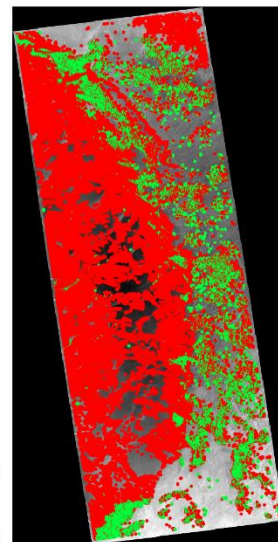


I/F

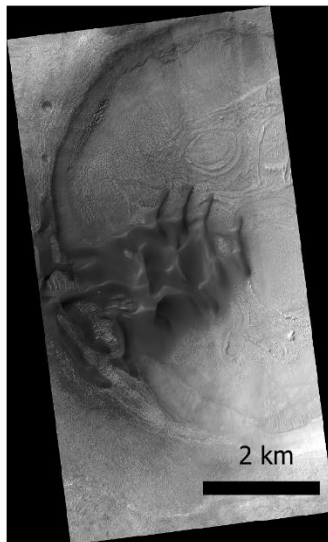
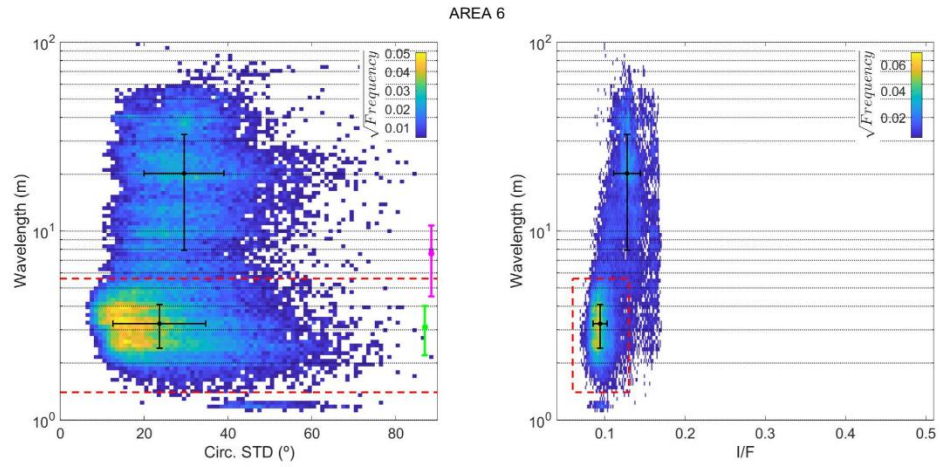
- 0,16 - 0,17
- 0,17 - 0,17
- 0,17 - 0,17
- 0,17 - 0,18
- 0,18 - 0,2

Bedform type

- Large ripple
- Megaripple / TAR

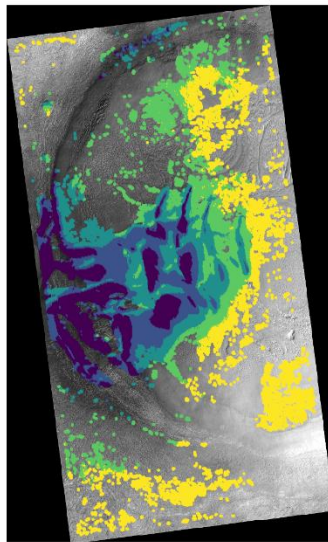
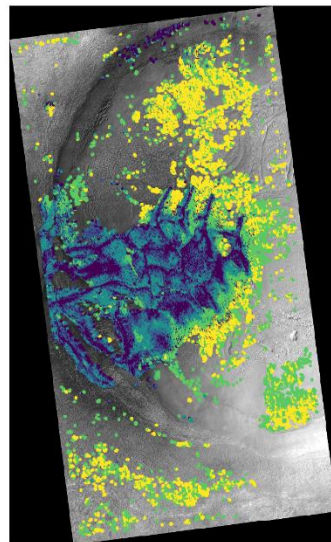


Area 6



Wavelength (m)

- 1,4 - 2,7
- 2,7 - 3,47
- 3,47 - 5,02
- 5,02 - 16,78
- 16,78 - 95,69

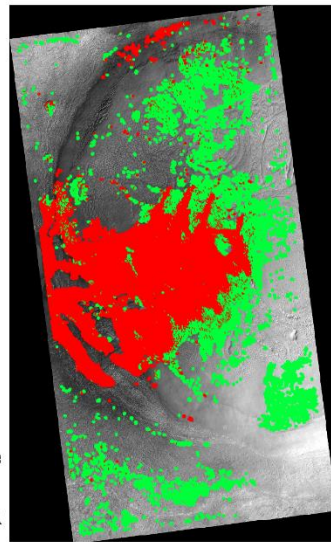


I/F

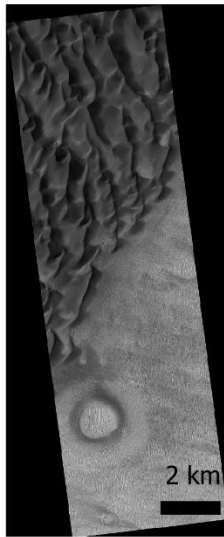
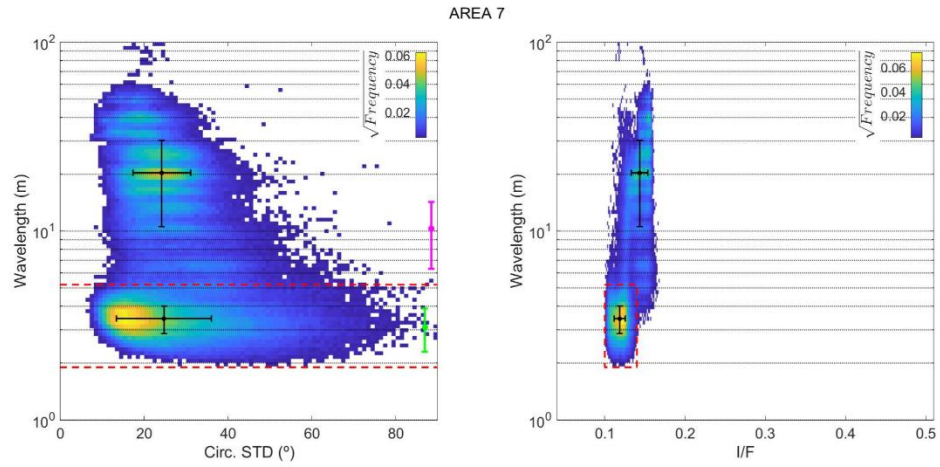
- 0,07 - 0,09
- 0,09 - 0,1
- 0,1 - 0,11
- 0,11 - 0,13
- 0,13 - 0,17

Bedform type

- Large ripple
- Megaripple / TAR

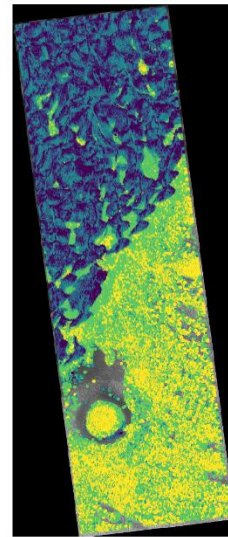


Area 7



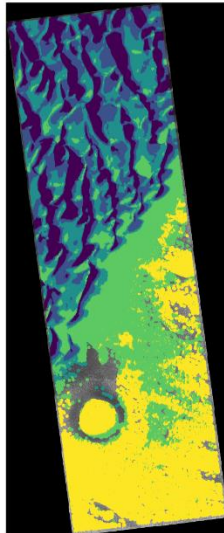
Wavelength (m)

- 1,98 - 3,18
- 3,18 - 3,72
- 3,72 - 6,8
- 6,8 - 19,93
- 19,93 - 104,67



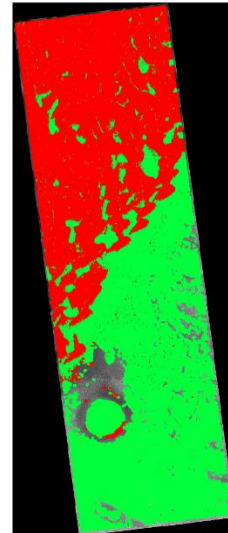
I/F

- 0,1 - 0,12
- 0,12 - 0,12
- 0,12 - 0,13
- 0,13 - 0,15
- 0,15 - 0,17

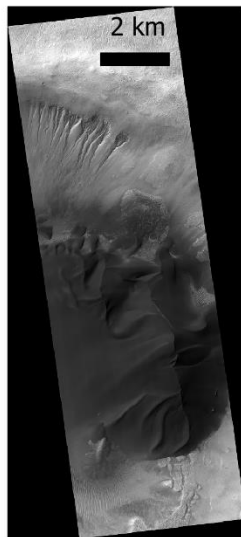
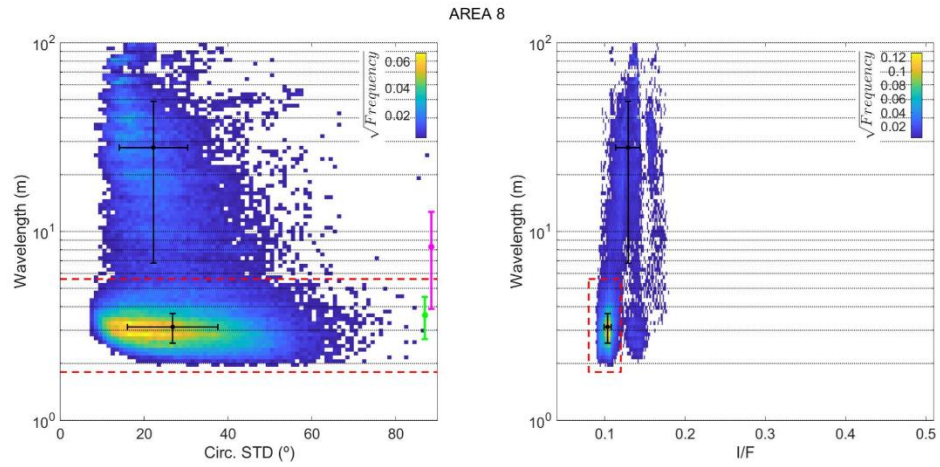


Bedform type

- Large ripple
- Megaripple / TAR

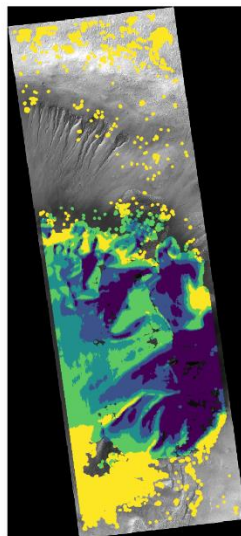
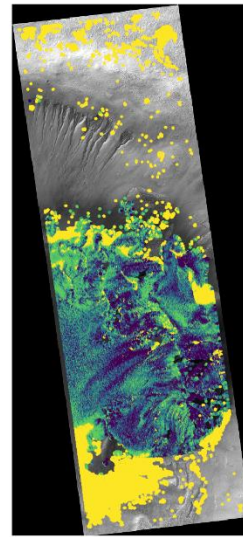


Area 8



Wavelength (m)

- 1,96 - 2,75
- 2,75 - 3,04
- 3,04 - 3,39
- 3,39 - 5,52
- 5,52 - 208,72

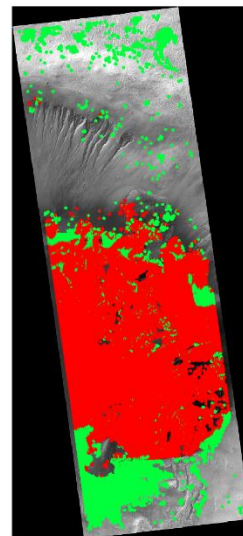


I/F

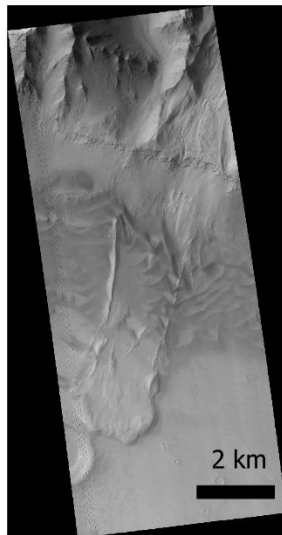
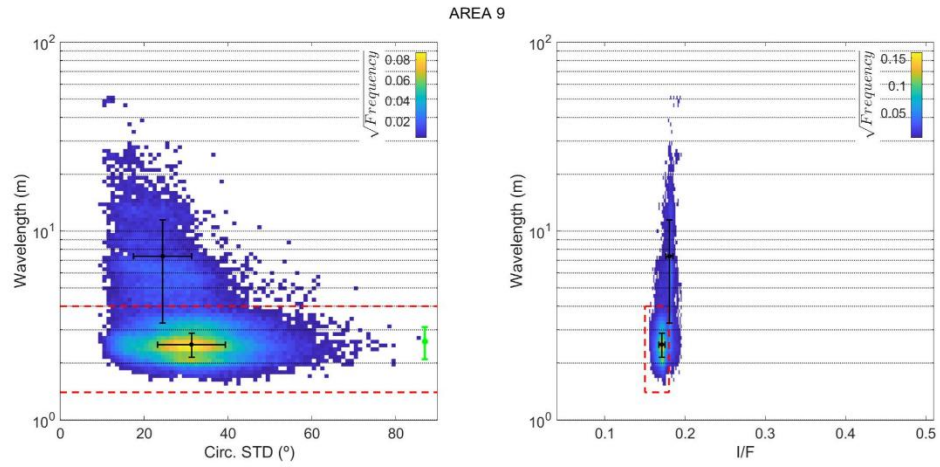
- 0,09 - 0,1
- 0,1 - 0,1
- 0,1 - 0,11
- 0,11 - 0,11
- 0,11 - 0,18

Bedform type

- Large ripple
- Megaripple / TAR

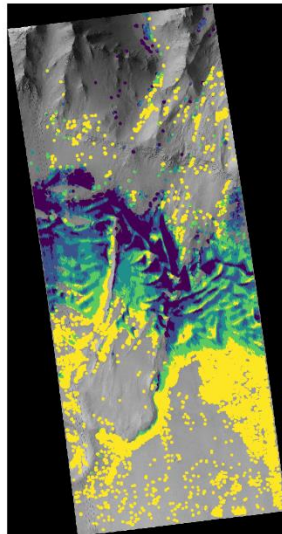
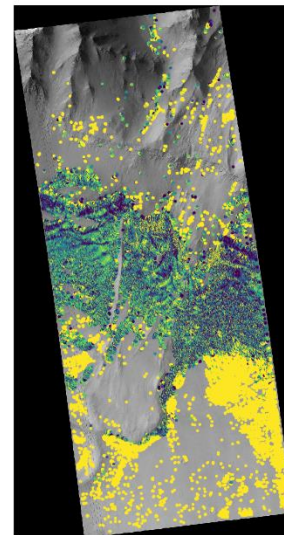


Area 9



Wavelength (m)

- 1,57 - 2,23
- 2,23 - 2,42
- 2,42 - 2,61
- 2,61 - 3,02
- 3,02 - 51,68

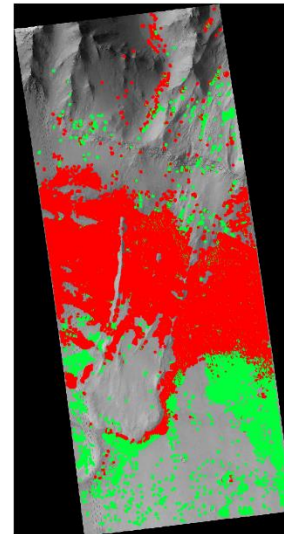


I/F

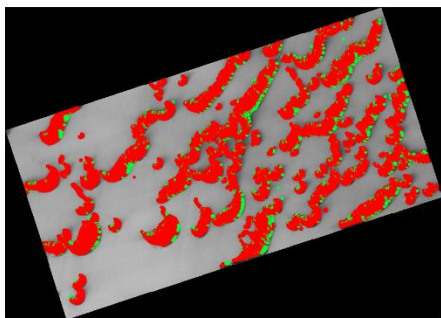
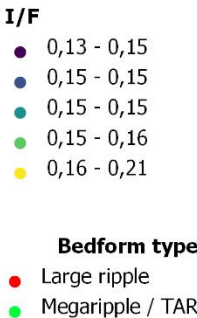
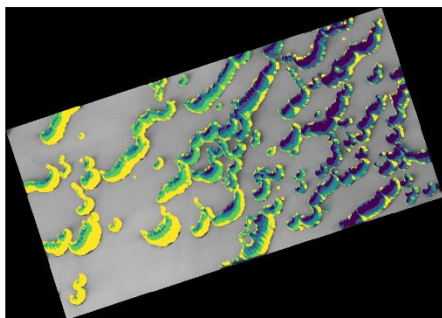
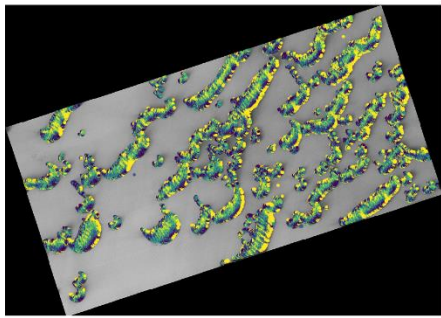
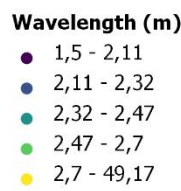
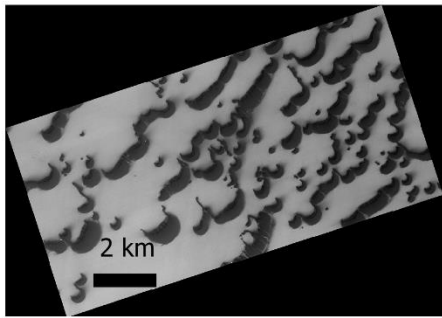
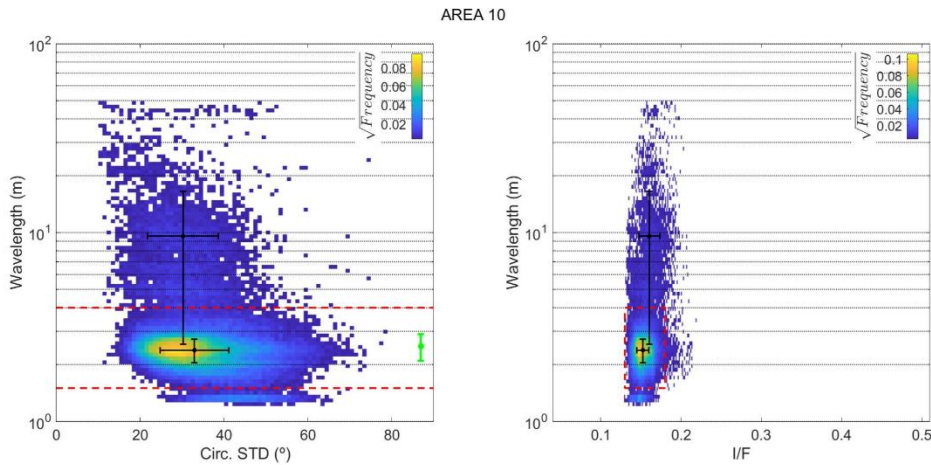
- 0,1556 - 0,1687
- 0,1687 - 0,1709
- 0,1709 - 0,1724
- 0,1724 - 0,1749
- 0,1749 - 0,1954

Bedform type

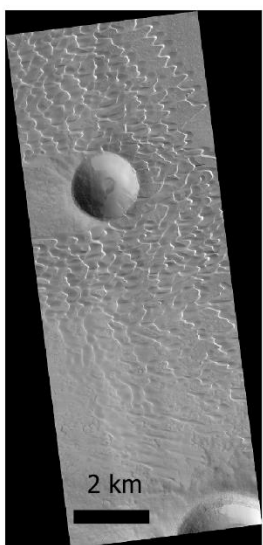
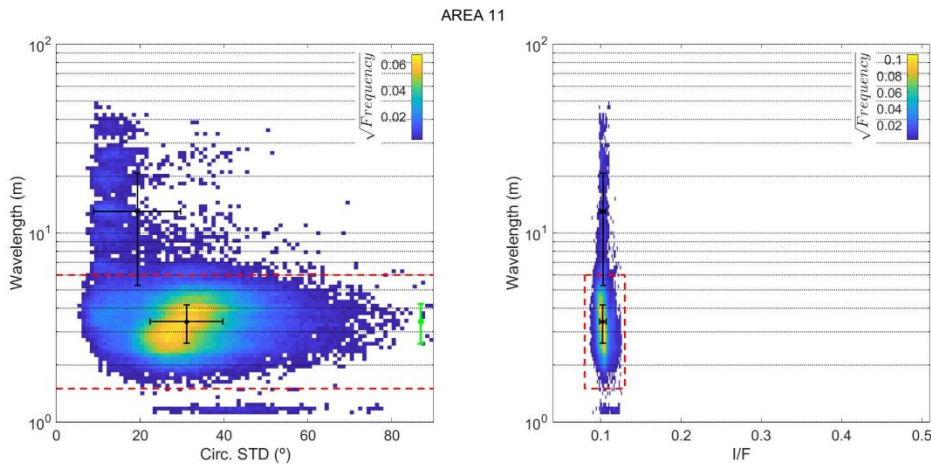
- Large ripple
- Megaripple / TAR



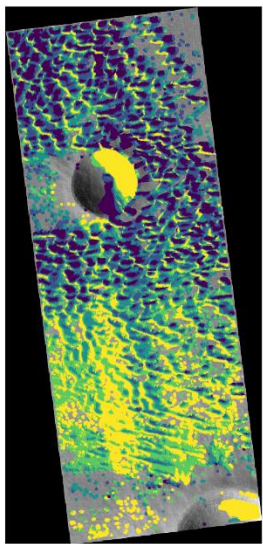
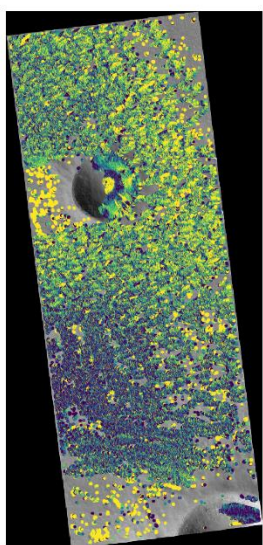
Area 10



Area 11

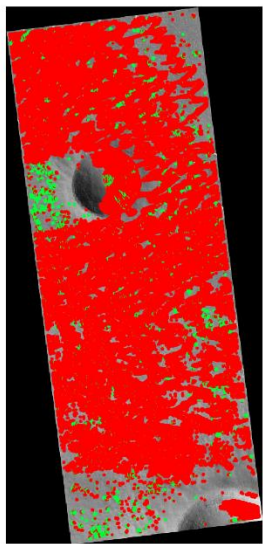


- Wavelength (m)**
- 1,5 - 2,67
 - 2,67 - 3,11
 - 3,11 - 3,57
 - 3,57 - 4,13
 - 4,13 - 47,79

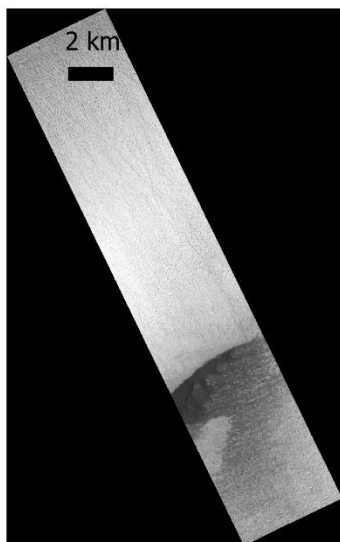
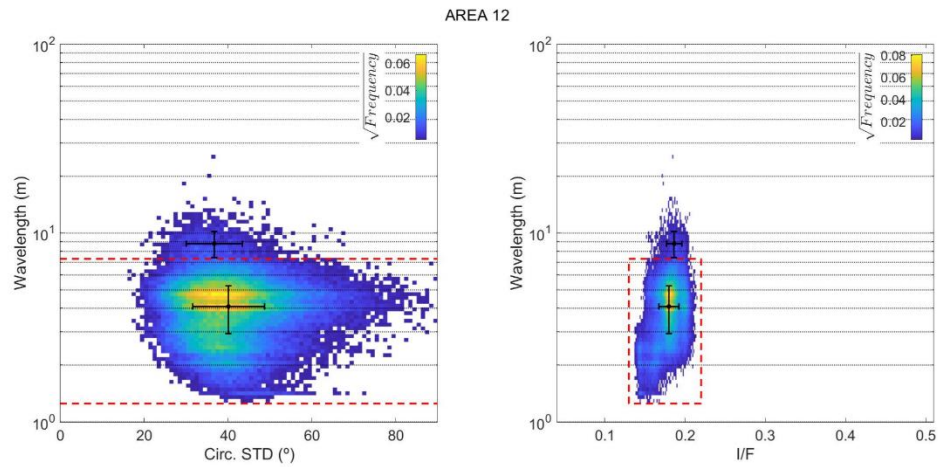


- I/F**
- 0,09 - 0,1
 - 0,1 - 0,1
 - 0,1 - 0,1
 - 0,1 - 0,11
 - 0,11 - 0,13

- Bedform type**
- Large ripple
 - Megaripple / TAR

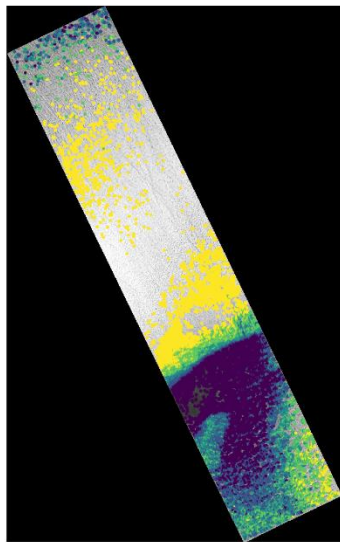
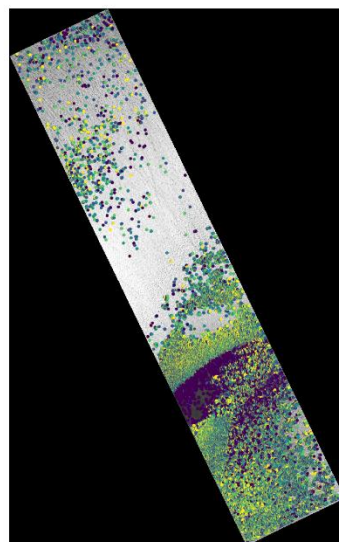


Area 12



Wavelength (m)

- 1,26 - 3,01
- 3,01 - 3,91
- 3,91 - 4,49
- 4,49 - 5,07
- 5,07 - 25,78

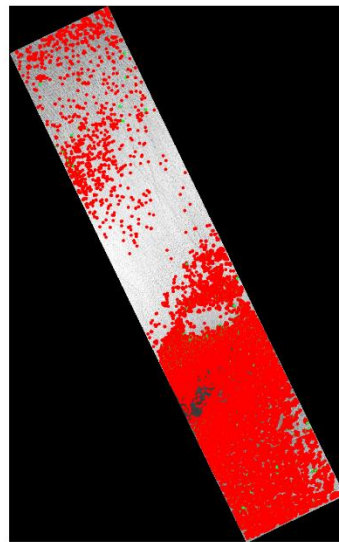


I/F

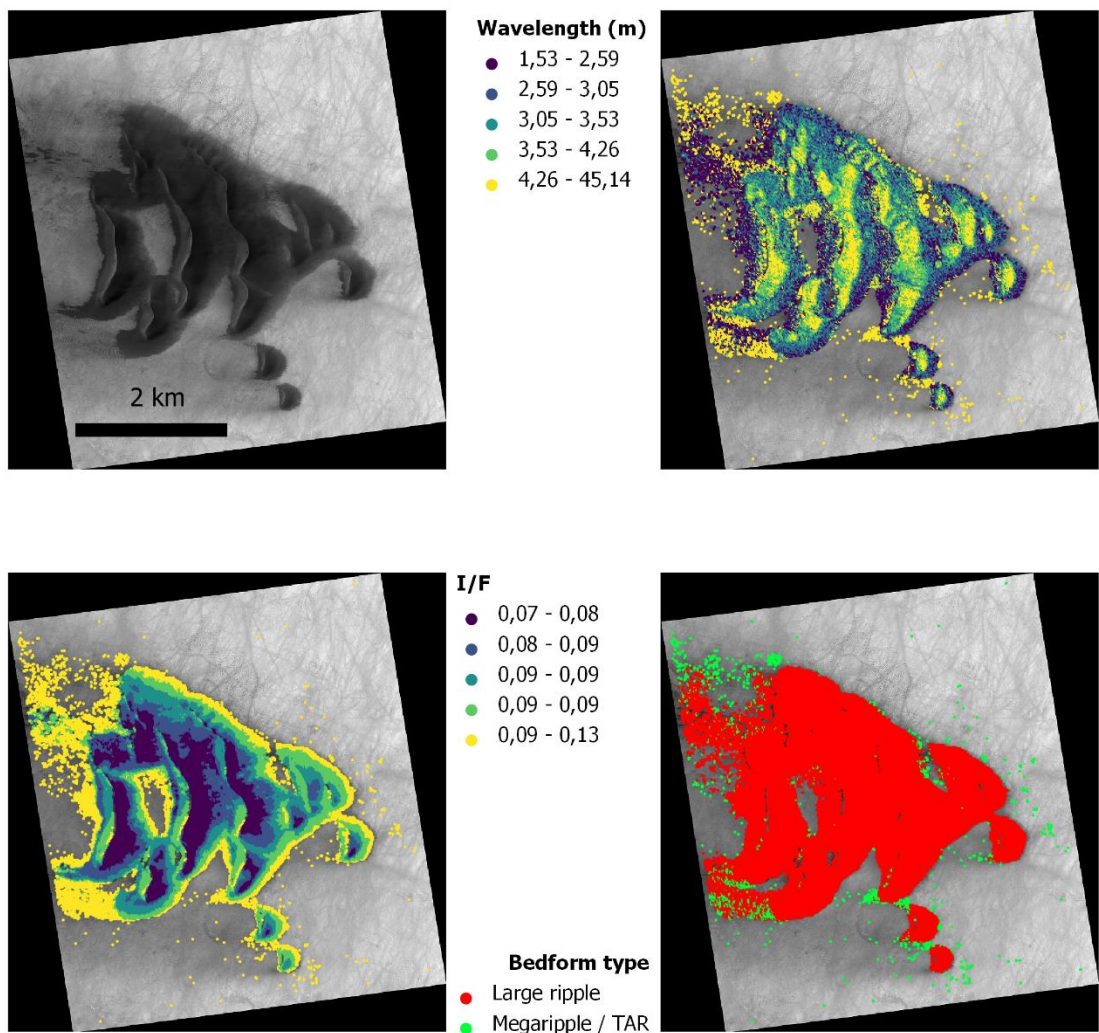
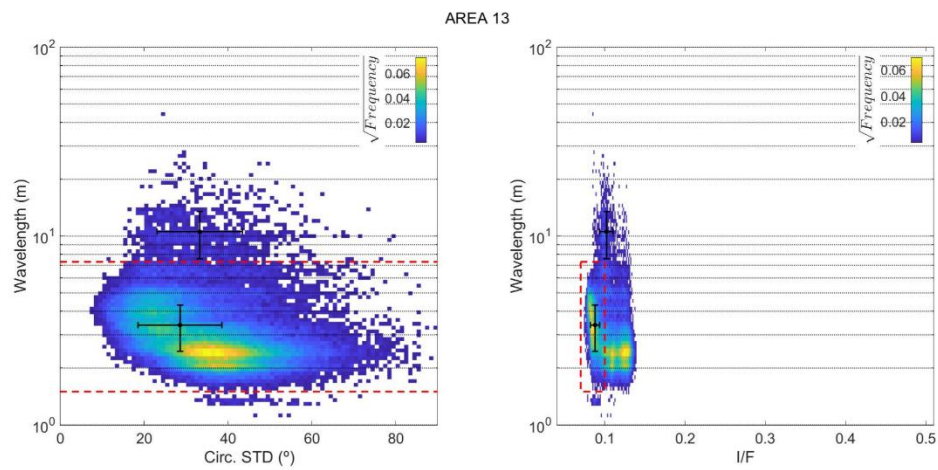
- 0,14 - 0,17
- 0,17 - 0,18
- 0,18 - 0,18
- 0,18 - 0,19
- 0,19 - 0,21

Bedform type

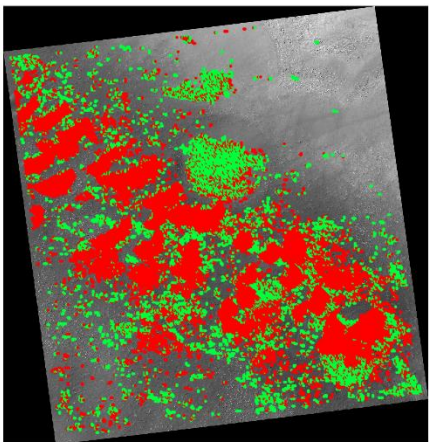
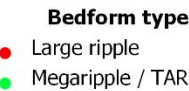
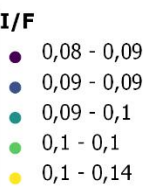
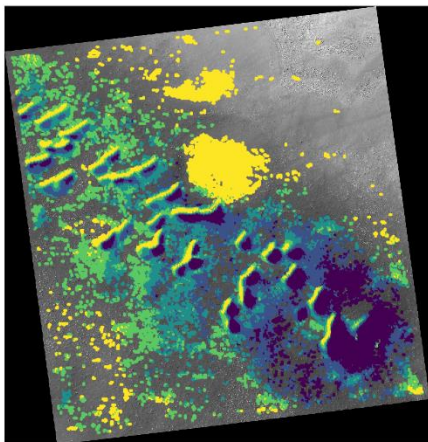
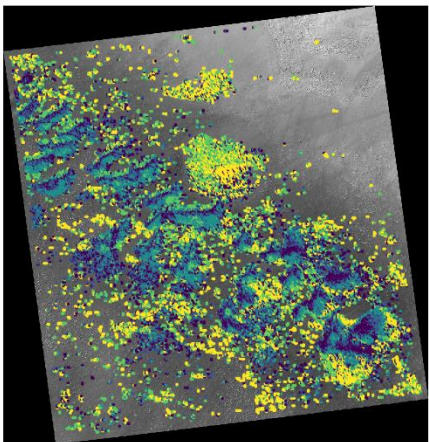
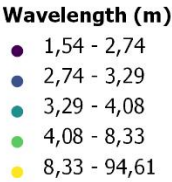
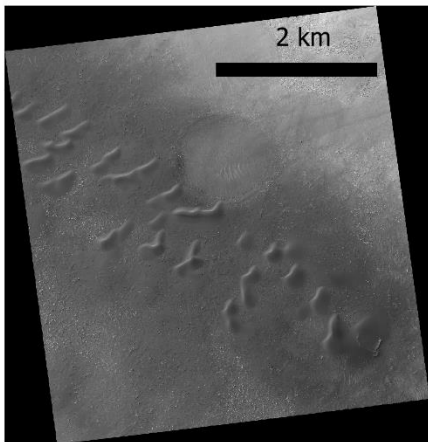
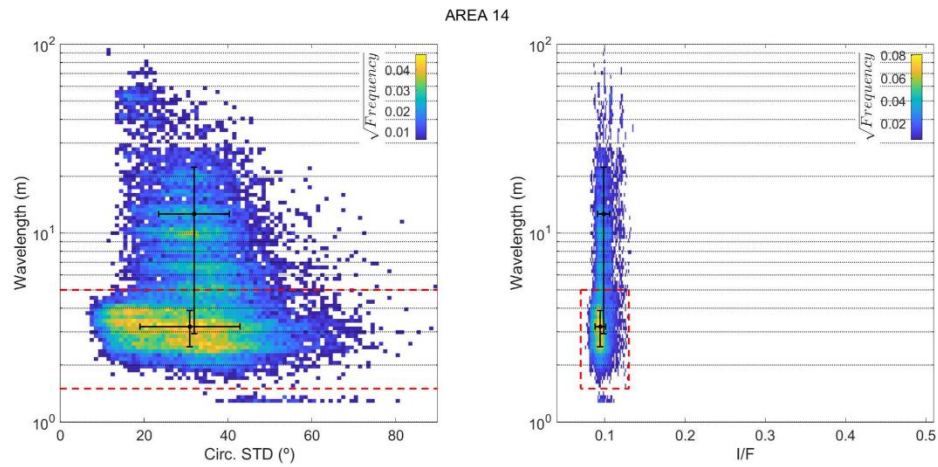
- Large ripple
- Megaripple / TAR



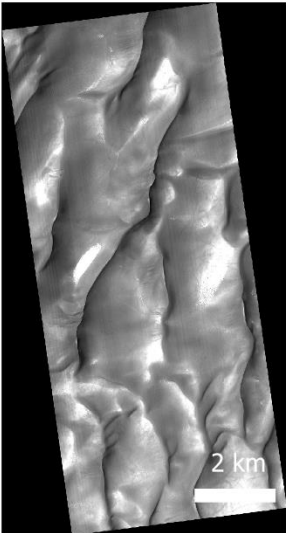
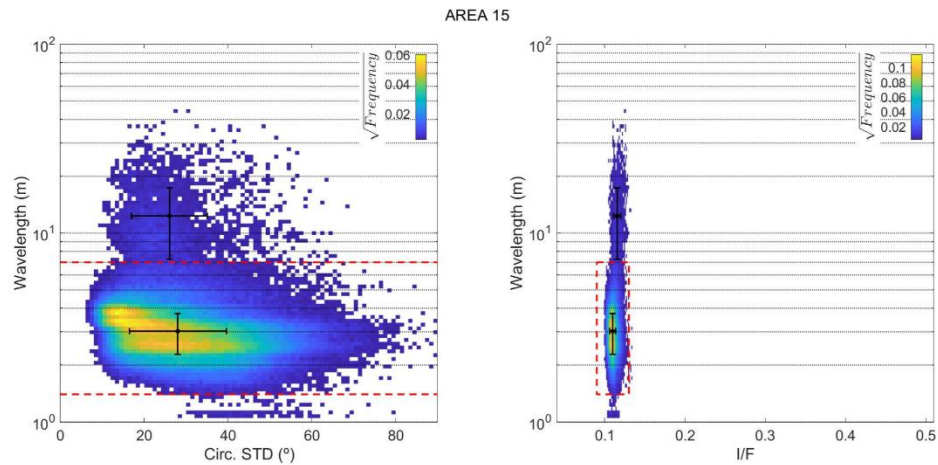
Area 13



Area 14

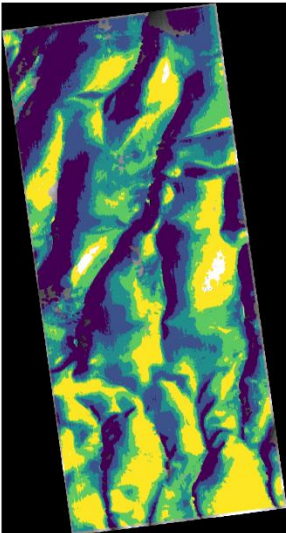
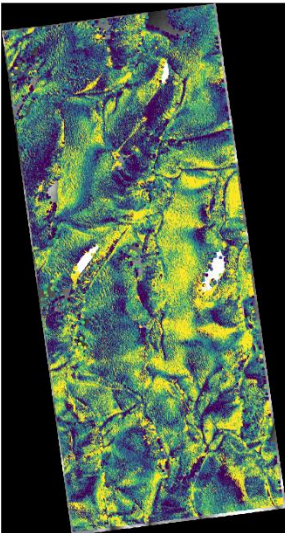


Area 15



Wavelength (m)

- 1,4 - 2,42
- 2,42 - 2,74
- 2,74 - 3,14
- 3,14 - 3,61
- 3,61 - 44,85

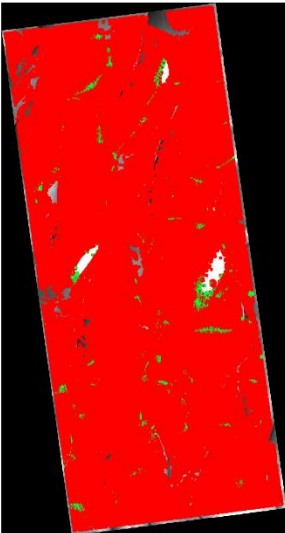


I/F

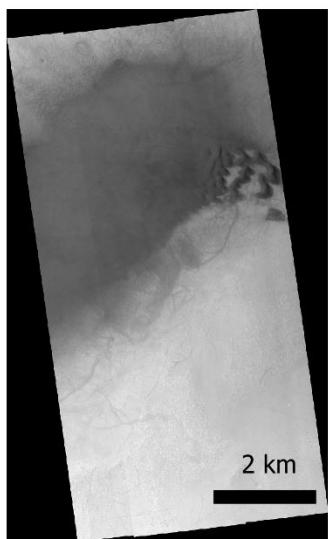
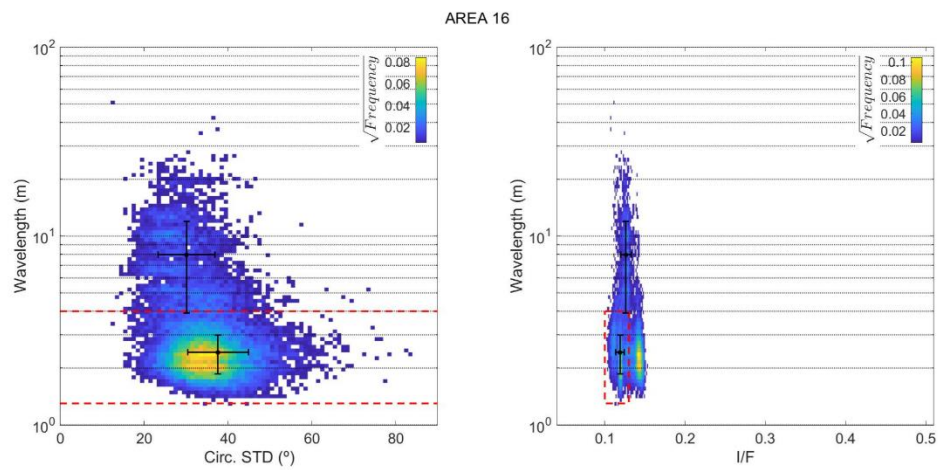
- 0,099 - 0,107
- 0,107 - 0,109
- 0,109 - 0,11
- 0,11 - 0,113
- 0,113 - 0,133

Bedform type

- Large ripple
- Megaripple / TAR

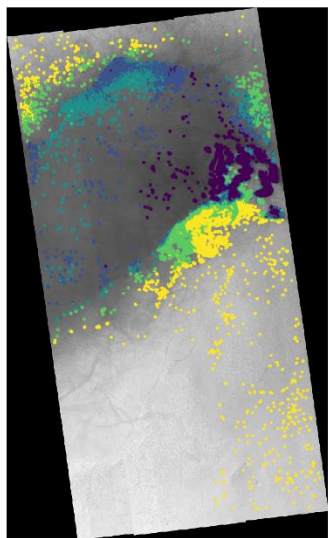
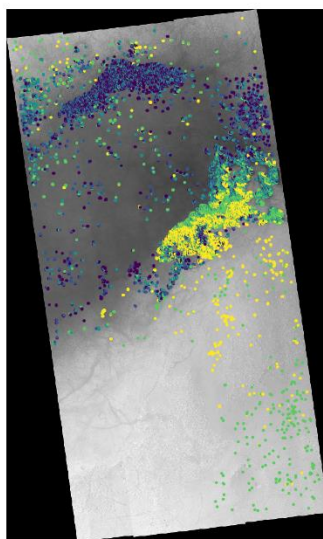


Area 16



Wavelength (m)

- 1,32 - 2,04
- 2,04 - 2,42
- 2,42 - 3,11
- 3,11 - 5,33
- 5,33 - 51,85

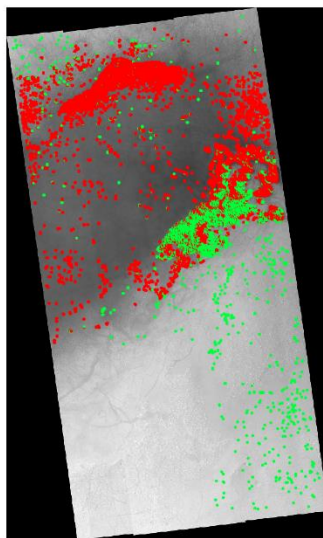


I/F

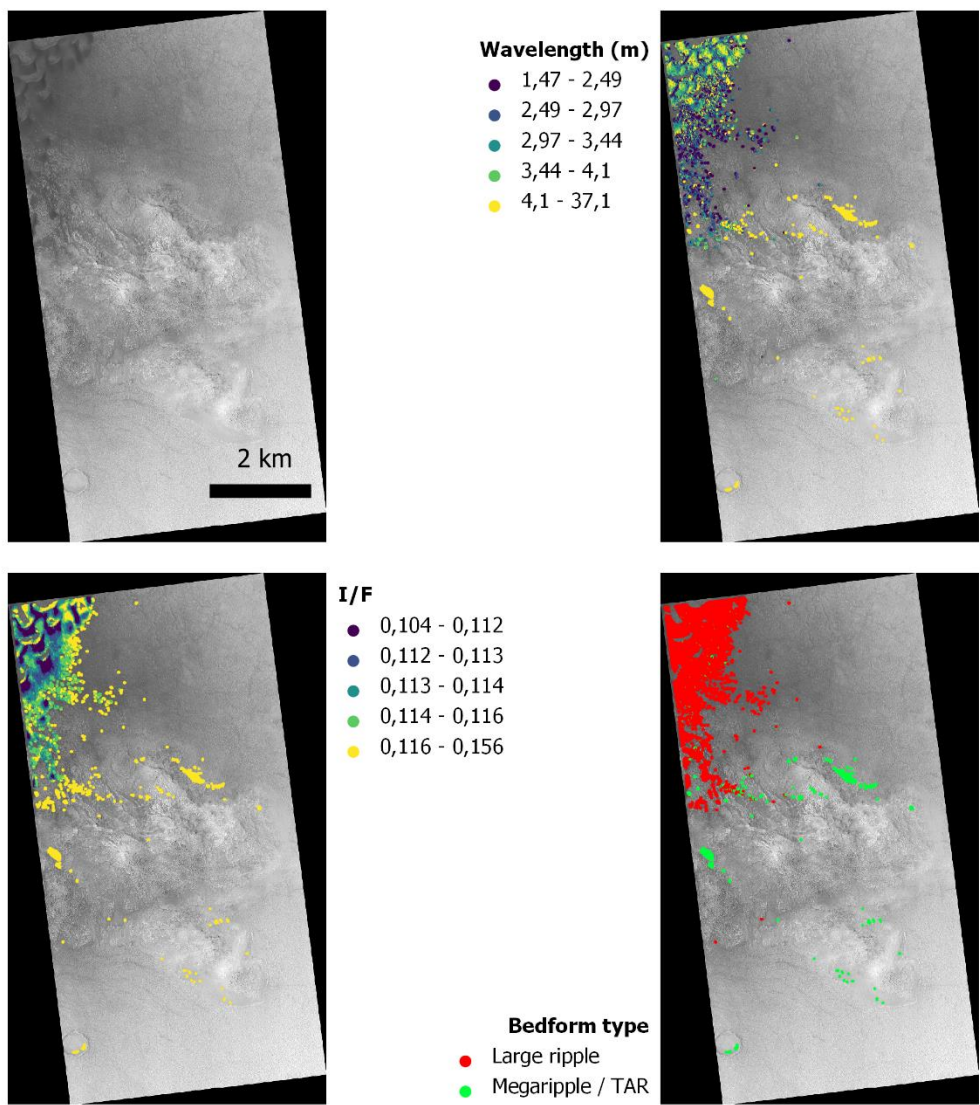
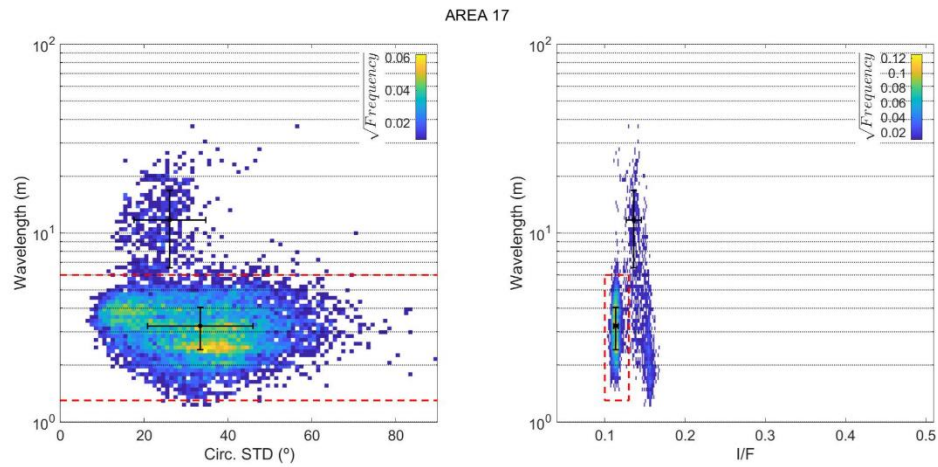
- 0,102 - 0,117
- 0,117 - 0,119
- 0,119 - 0,122
- 0,122 - 0,127
- 0,127 - 0,148

Bedform type

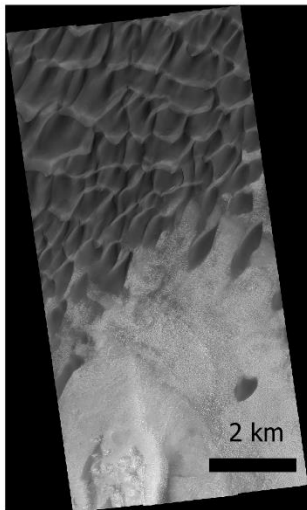
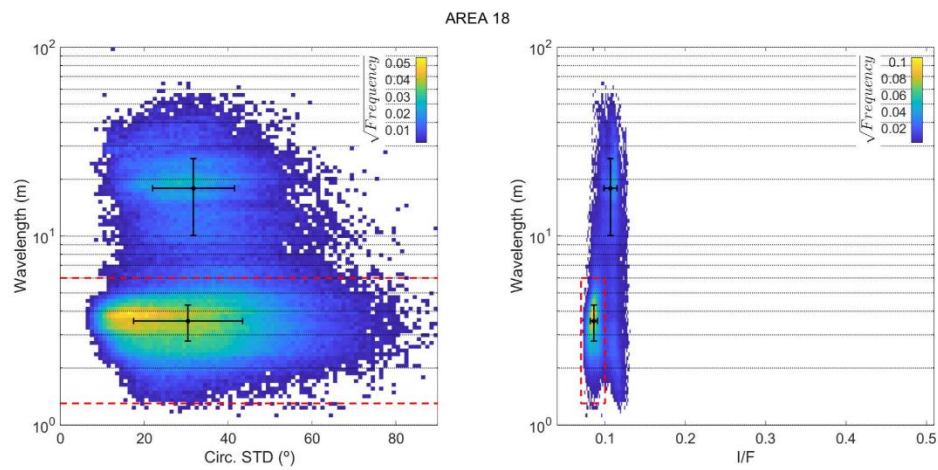
- Large ripple
- Megaripple / TAR



Area 17

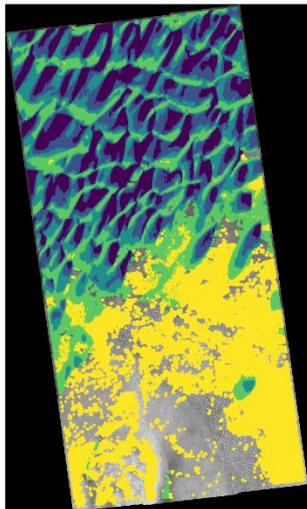
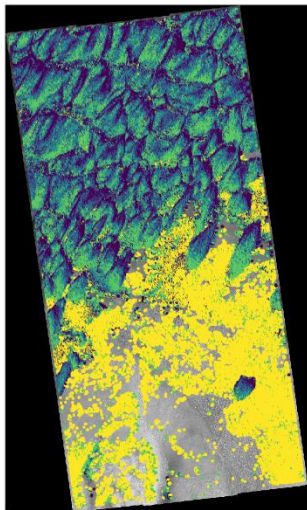


Area 18



Wavelength (m)

- 1,3 - 3,01
- 3,01 - 3,57
- 3,57 - 4,11
- 4,11 - 9,1
- 9,1 - 98,9

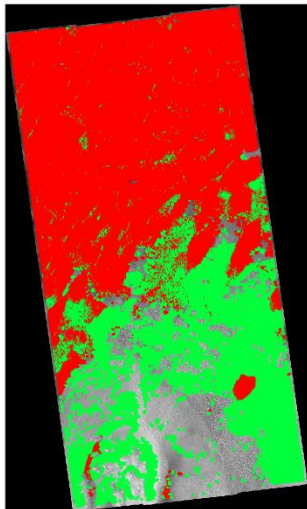


I/F

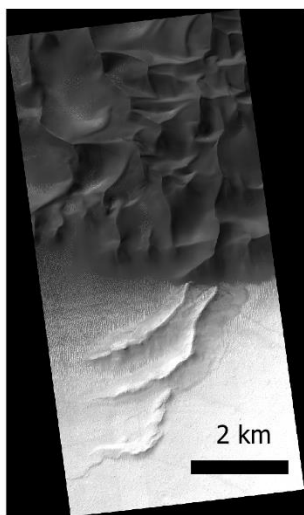
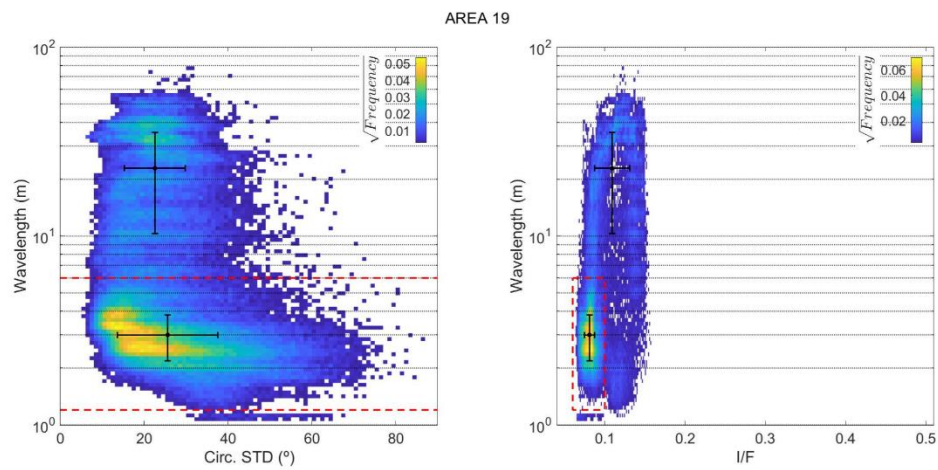
- 0,07 - 0,08
- 0,08 - 0,09
- 0,09 - 0,09
- 0,09 - 0,1
- 0,1 - 0,13

Bedform type

- Large ripple
- Megaripple / TAR

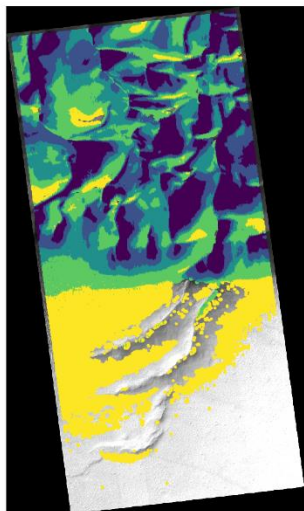
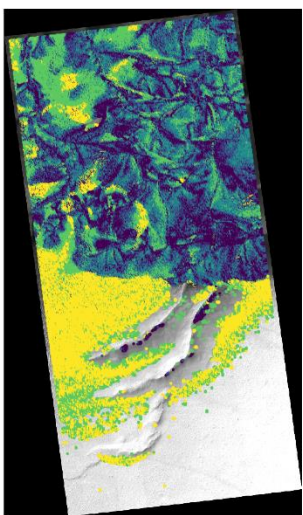


Area 19



Wavelength (m)

- 1,26 - 2,47
- 2,47 - 2,99
- 2,99 - 3,85
- 3,85 - 13,41
- 13,41 - 78,92

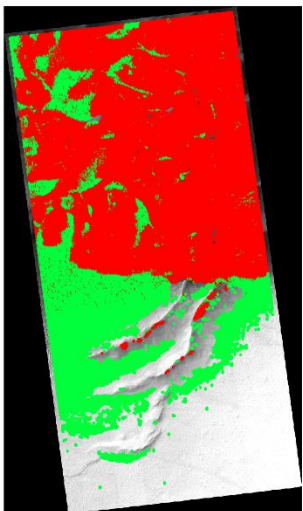


I/F

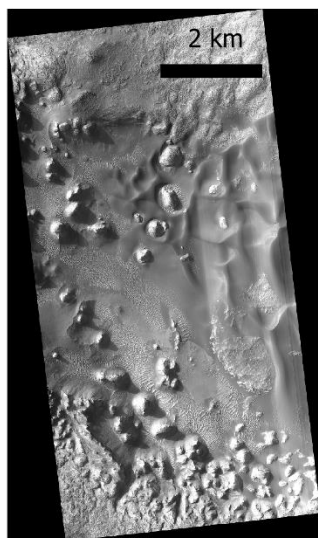
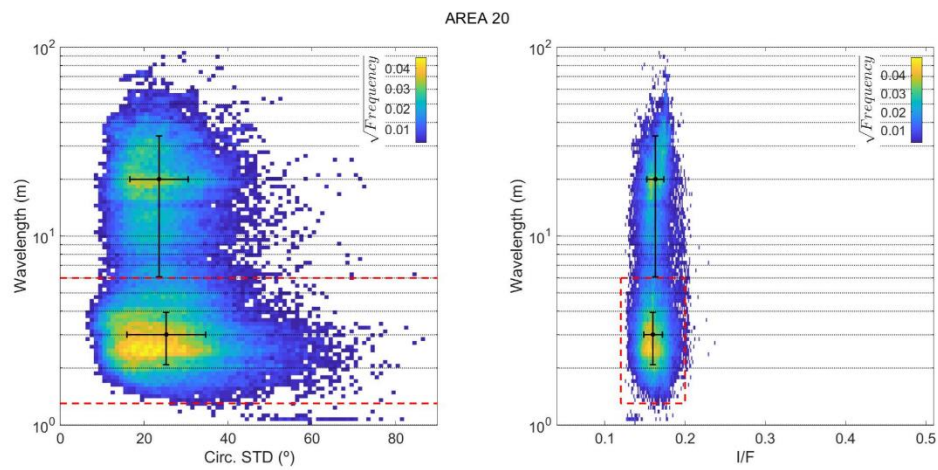
- 0,064 - 0,077
- 0,077 - 0,082
- 0,082 - 0,085
- 0,085 - 0,095
- 0,095 - 0,155

Bedform type

- Large ripple
- Megaripple / TAR

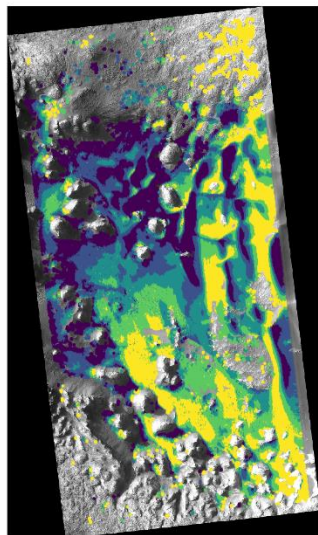
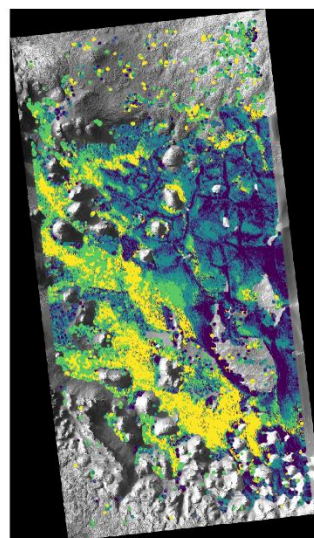


Area 20



Wavelength (m)

- 1,3 - 2,46
- 2,46 - 3,15
- 3,15 - 5,12
- 5,12 - 17,81
- 17,81 - 233,18

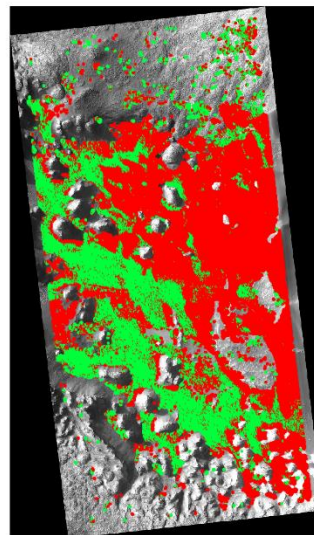


I/F

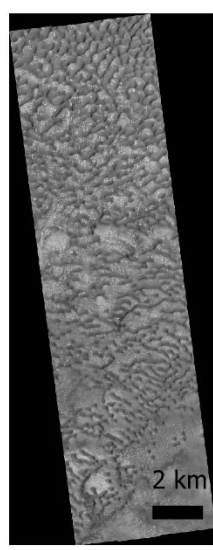
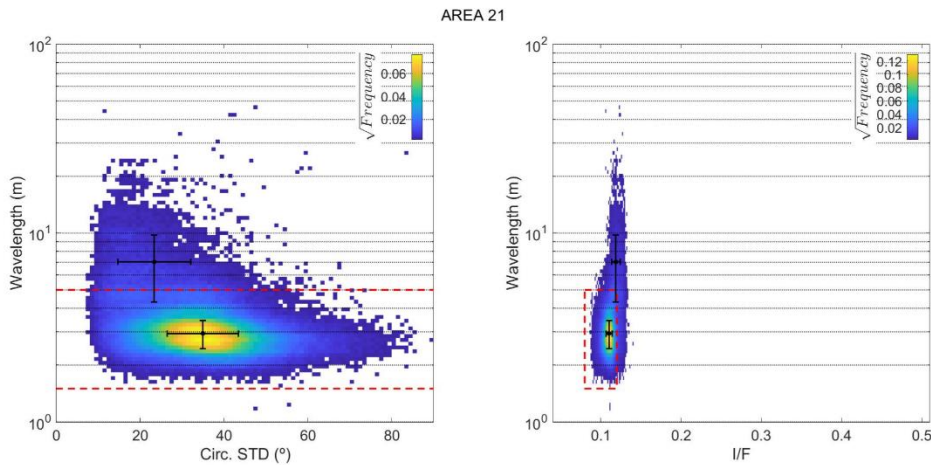
- 0,126 - 0,152
- 0,152 - 0,158
- 0,158 - 0,163
- 0,163 - 0,171
- 0,171 - 0,229

Bedform type

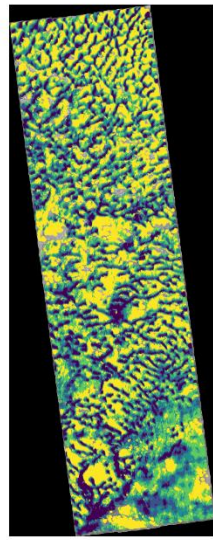
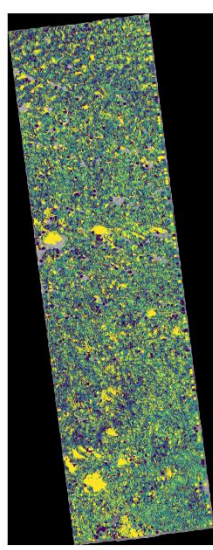
- Large ripple
- Megaripple / TAR



Area 21

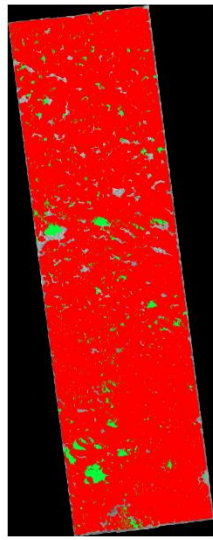


- Wavelength (m)**
- 1,59 - 2,54
 - 2,54 - 2,77
 - 2,77 - 3,01
 - 3,01 - 3,32
 - 3,32 - 45,84

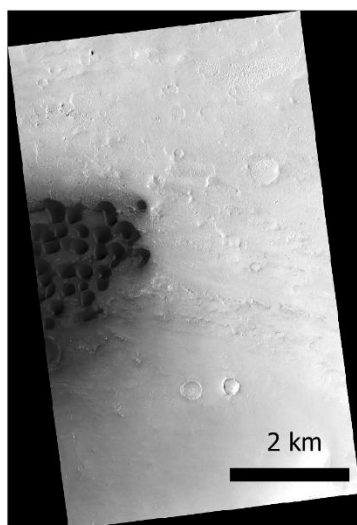
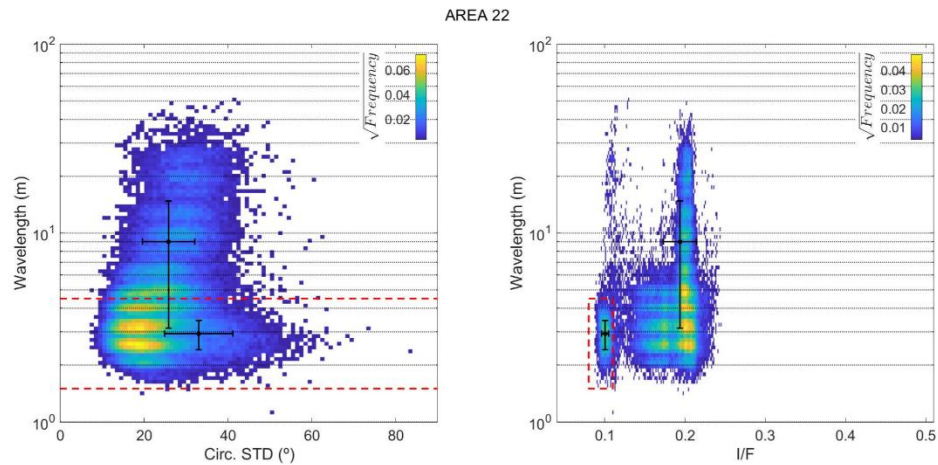


- I/F**
- 0,086 - 0,107
 - 0,107 - 0,11
 - 0,11 - 0,112
 - 0,112 - 0,114
 - 0,114 - 0,133

- Bedform type**
- Large ripple
 - Megaripple / TAR

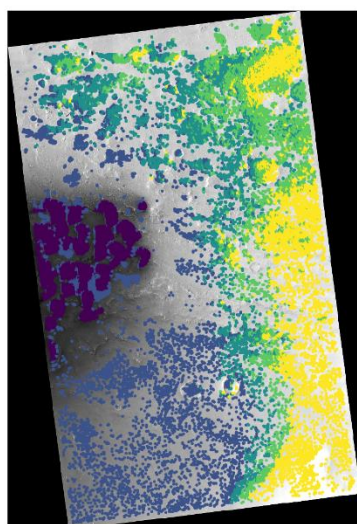
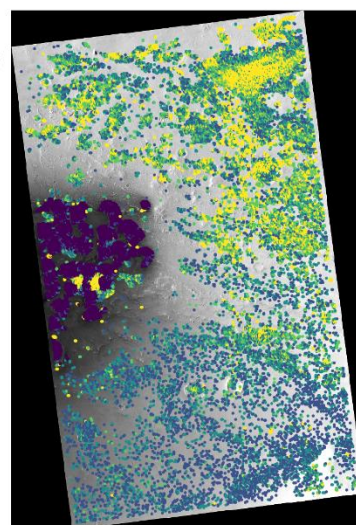


Area 22



Wavelength (m)

- 1,5 - 3,9
- 3,9 - 5
- 5 - 6,3
- 6,3 - 10,4
- 10,4 - 49,9

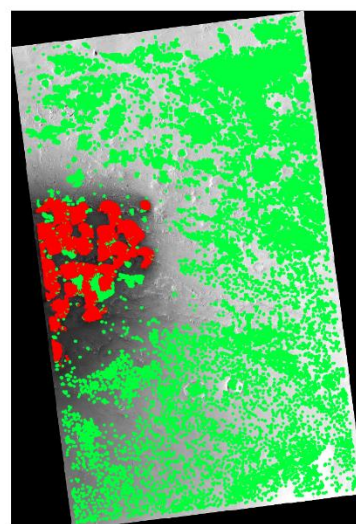


I/F

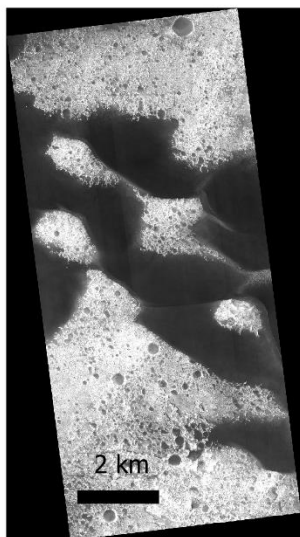
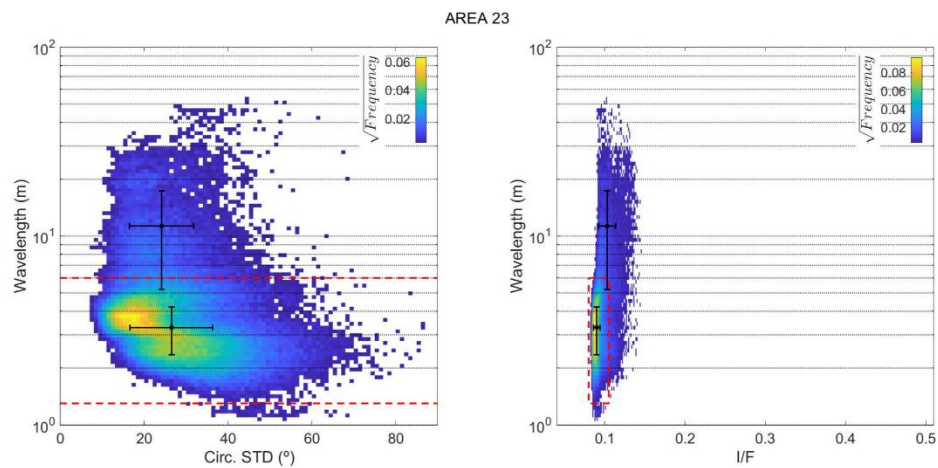
- 0,087 - 0,107
- 0,107 - 0,194
- 0,194 - 0,199
- 0,199 - 0,204
- 0,204 - 0,244

Bedform type

- Large ripple
- Megaripple / TAR

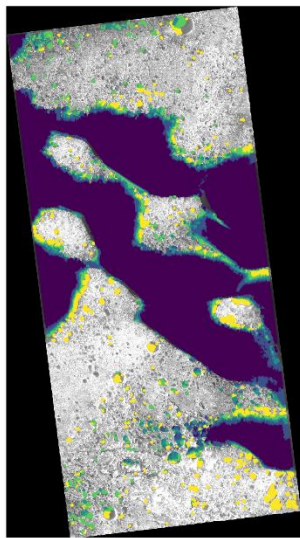
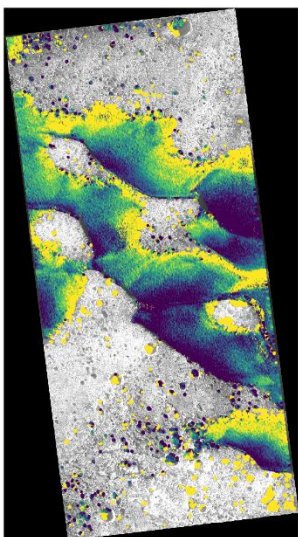


Area 23



Wavelength (m)

- 1,3 - 2,46
- 2,46 - 3,02
- 3,02 - 3,63
- 3,63 - 4,48
- 4,48 - 52,94

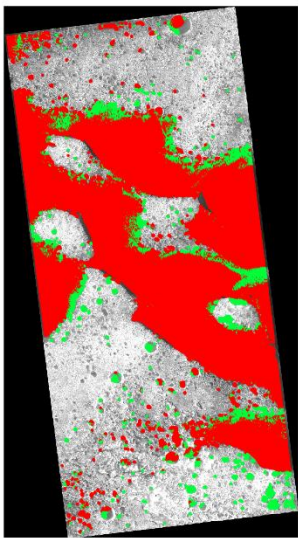


I/F

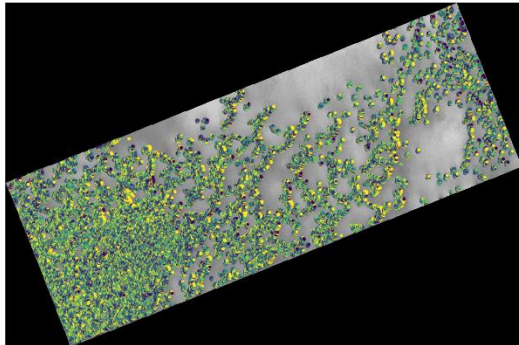
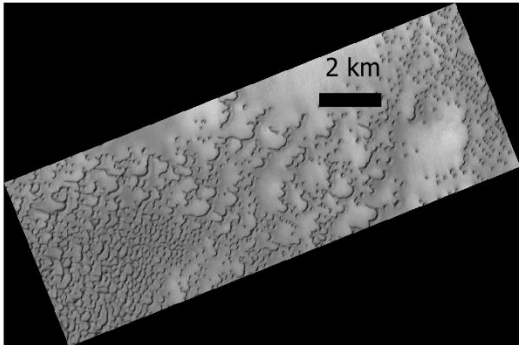
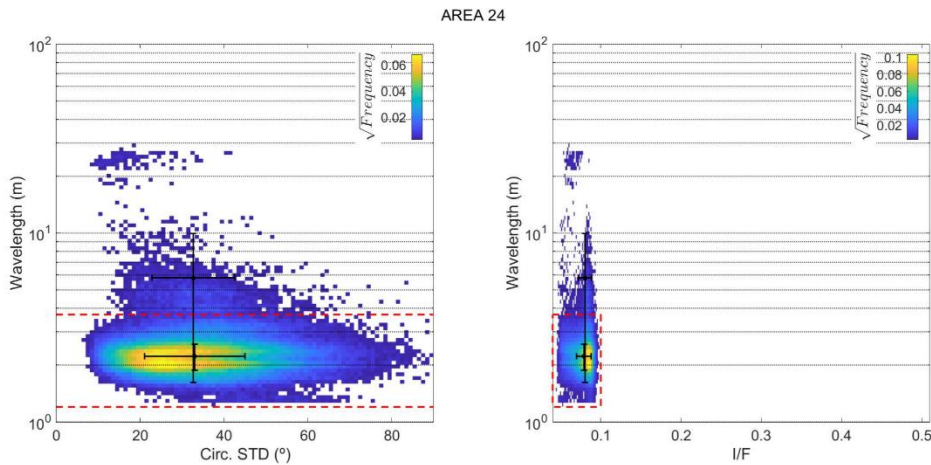
- 0,073 - 0,094
- 0,094 - 0,098
- 0,098 - 0,101
- 0,101 - 0,105
- 0,105 - 0,133

Bedform type

- Large ripple
- Megaripple / TAR



Area 24



I/F

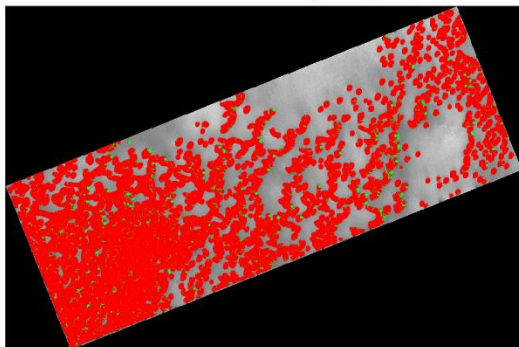
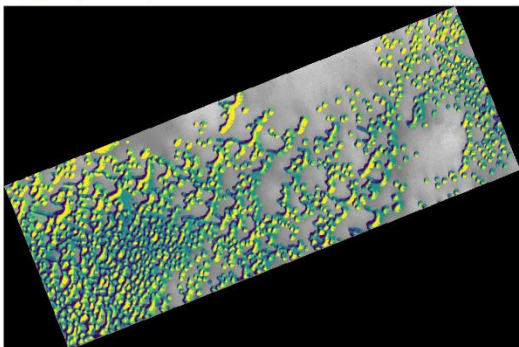
- 0,045 - 0,072
- 0,072 - 0,079
- 0,079 - 0,083
- 0,083 - 0,086
- 0,086 - 0,098

Wavelength (m)

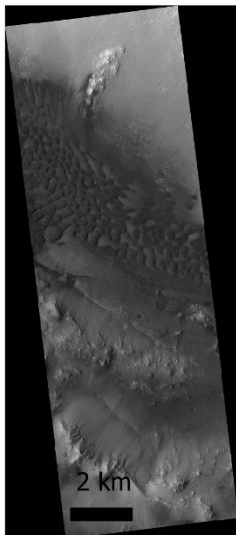
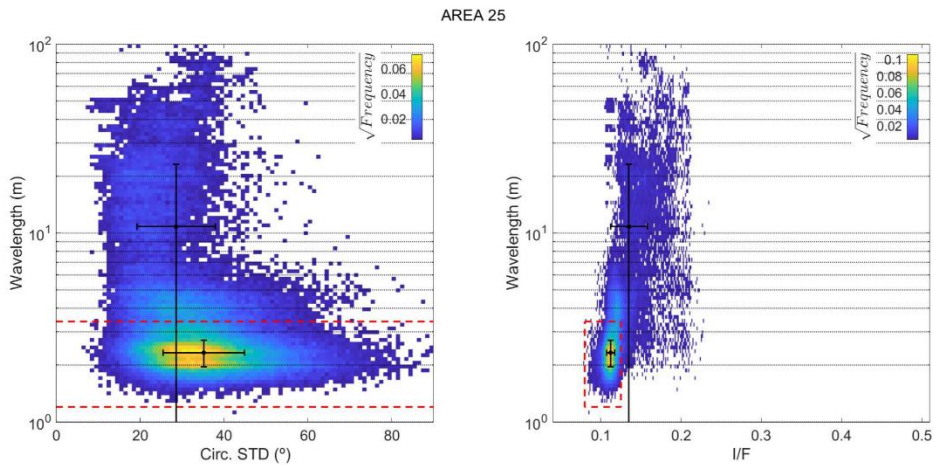
- 1,23 - 1,95
- 1,95 - 2,1
- 2,1 - 2,29
- 2,29 - 2,49
- 2,49 - 28,54

Bedform type

- Large ripple
- Megaripple / TAR

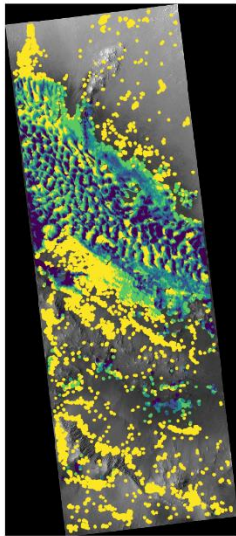
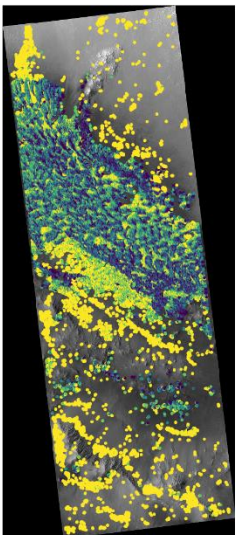


Area 25



Wavelength (m)

- 1,27 - 2,05
- 2,05 - 2,31
- 2,31 - 2,56
- 2,56 - 3,67
- 3,67 - 107,38

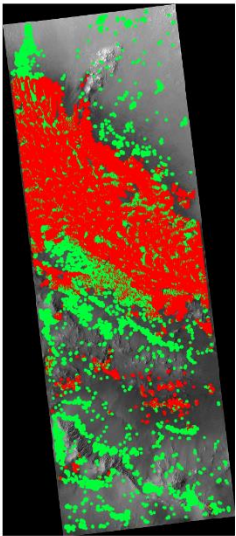


I/F

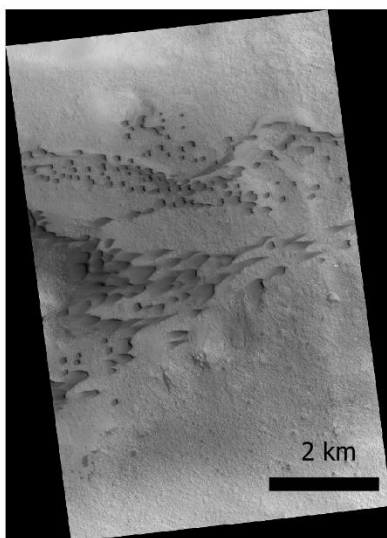
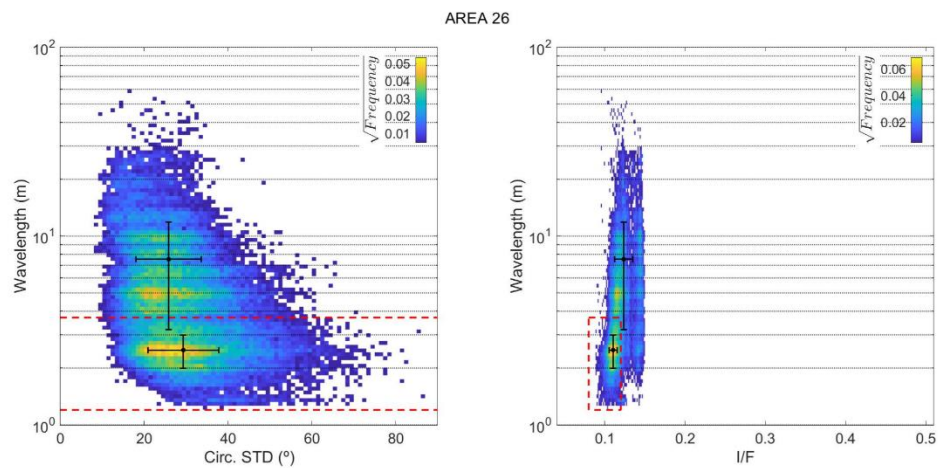
- 0,082 - 0,109
- 0,109 - 0,112
- 0,112 - 0,115
- 0,115 - 0,12
- 0,12 - 0,235

Bedform type

- Large ripple
- Megaripple / TAR

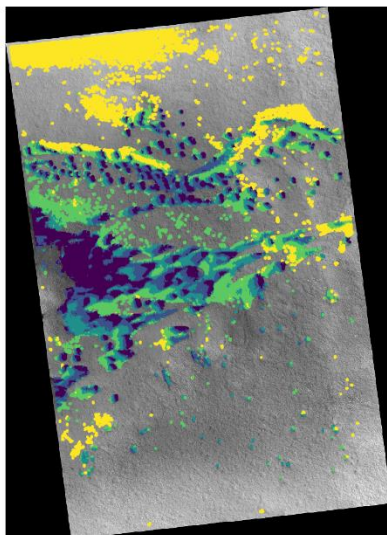
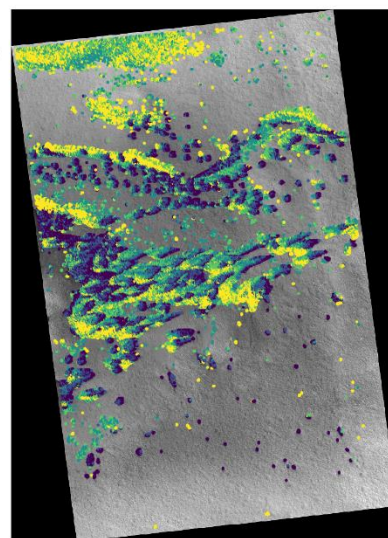


Area 26



Wavelength (m)

- 1,2 - 2,4
- 2,4 - 3,5
- 3,5 - 5
- 5 - 7,7
- 7,7 - 58,7

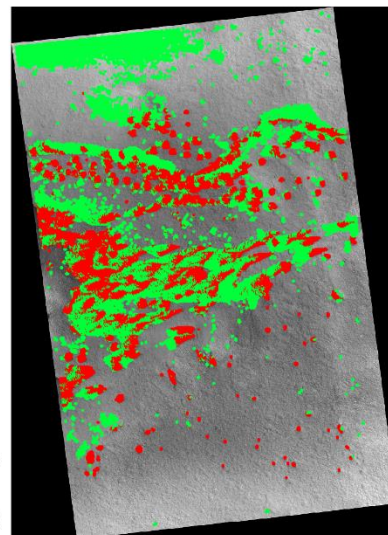


I/F

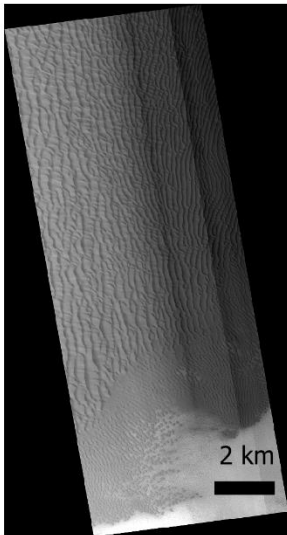
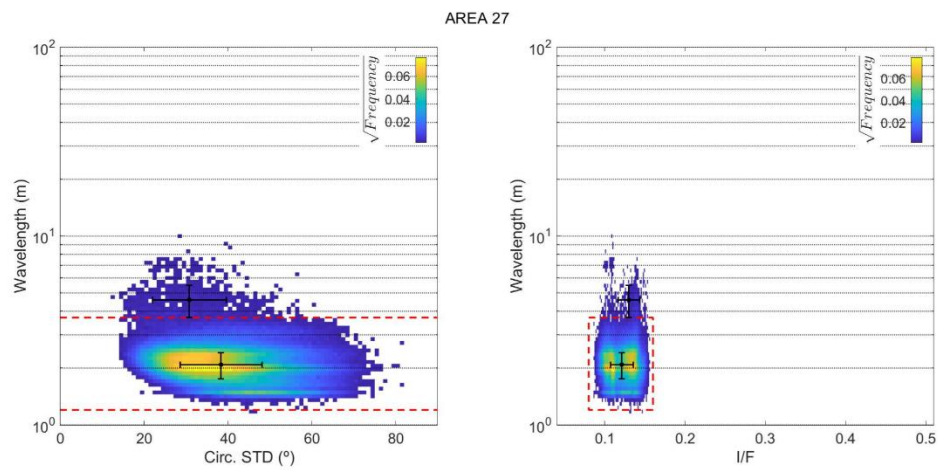
- 0,088 - 0,109
- 0,109 - 0,114
- 0,114 - 0,118
- 0,118 - 0,124
- 0,124 - 0,15

Bedform type

- Large ripple
- Megaripple / TAR

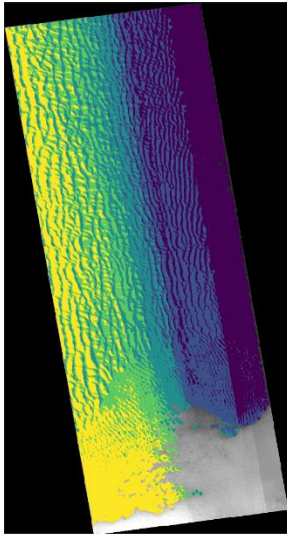
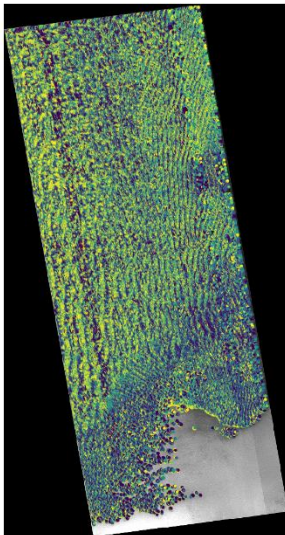


Area 27



Wavelength (m)

- 1,2 - 1,82
- 1,82 - 1,99
- 1,99 - 2,14
- 2,14 - 2,35
- 2,35 - 10,21

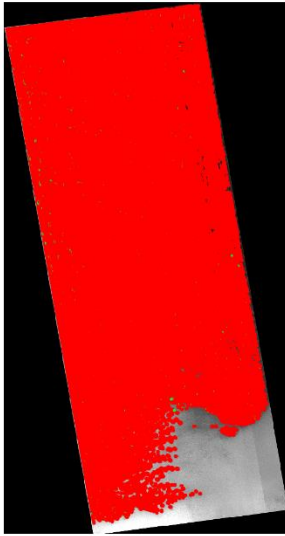


I/F

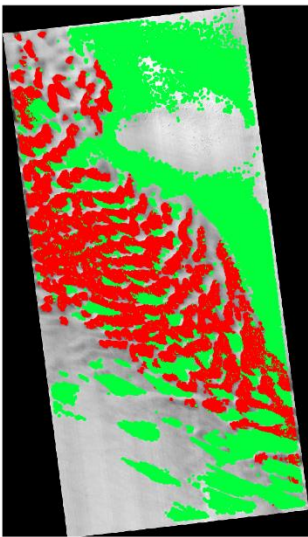
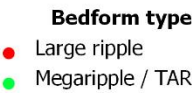
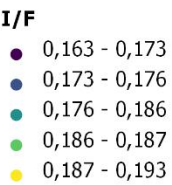
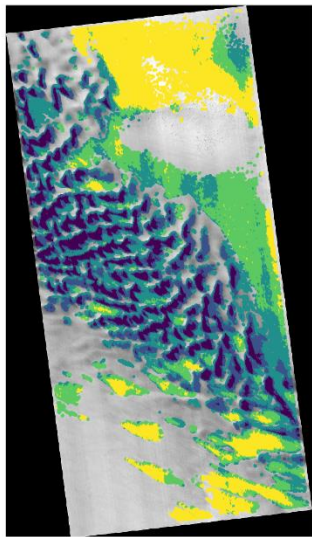
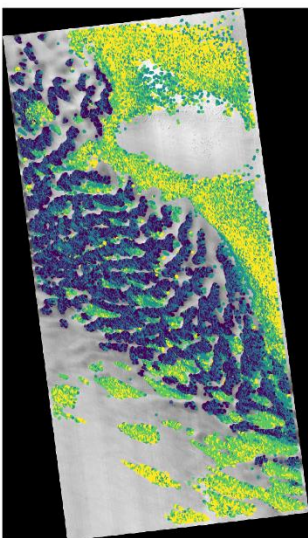
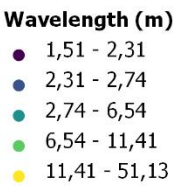
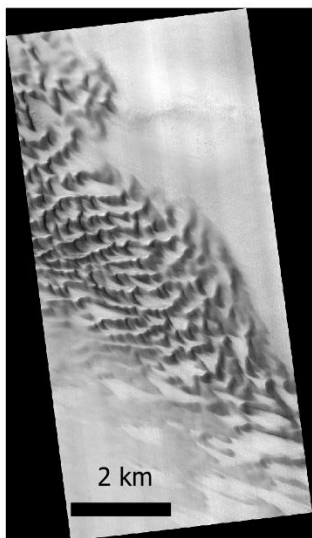
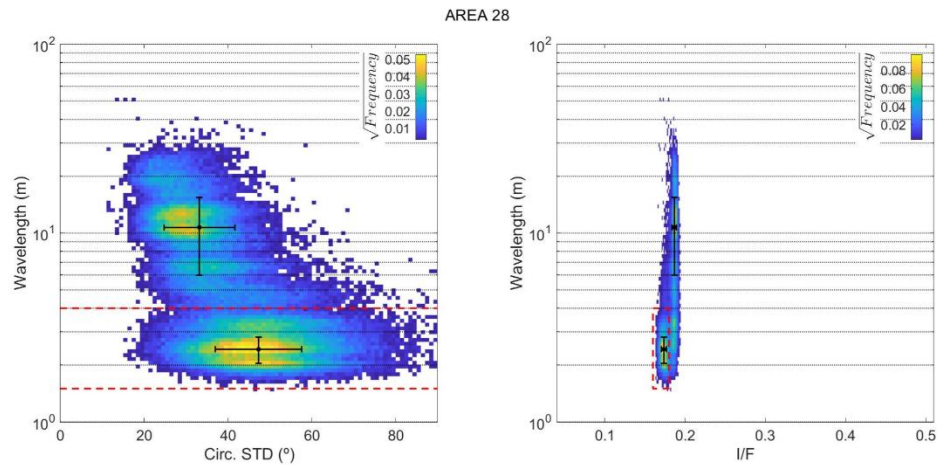
- 0,09 - 0,11
- 0,11 - 0,12
- 0,12 - 0,13
- 0,13 - 0,14
- 0,14 - 0,16

Bedform type

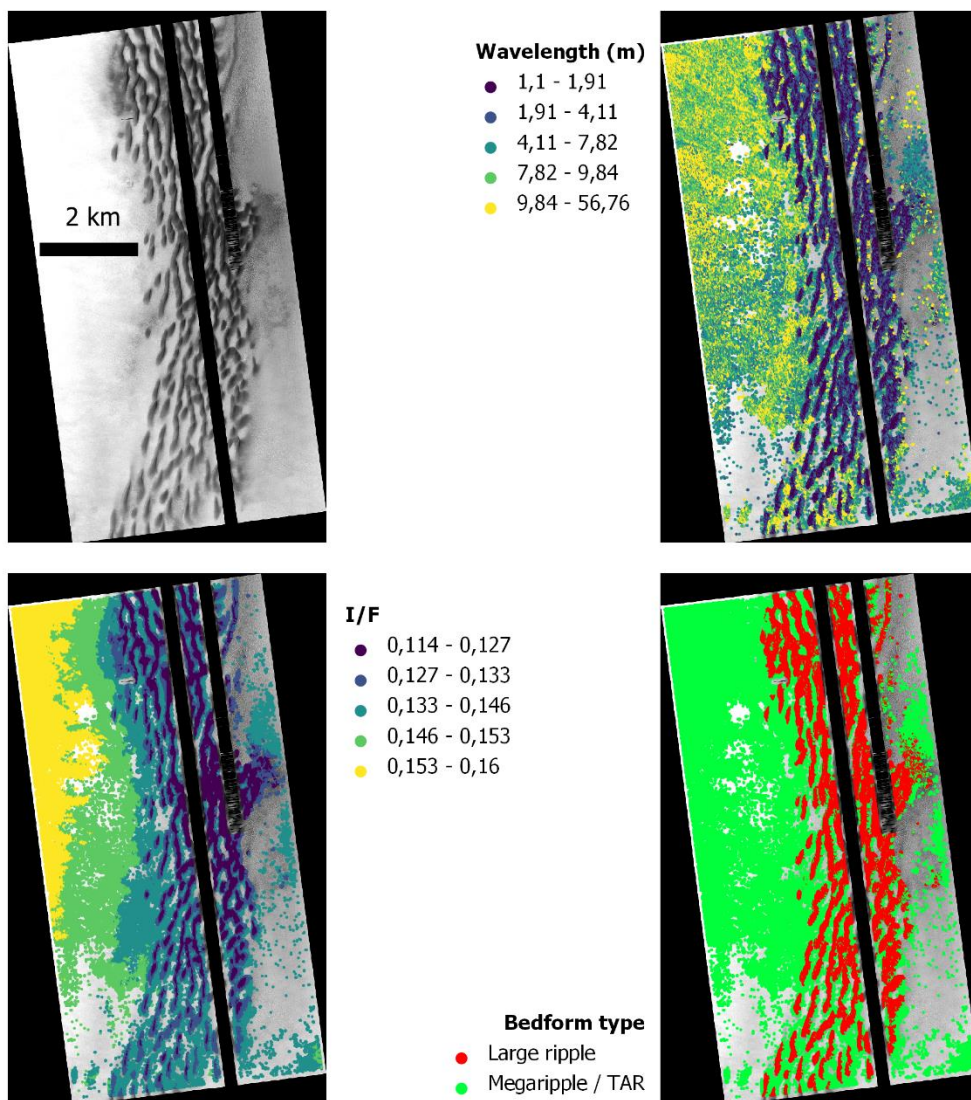
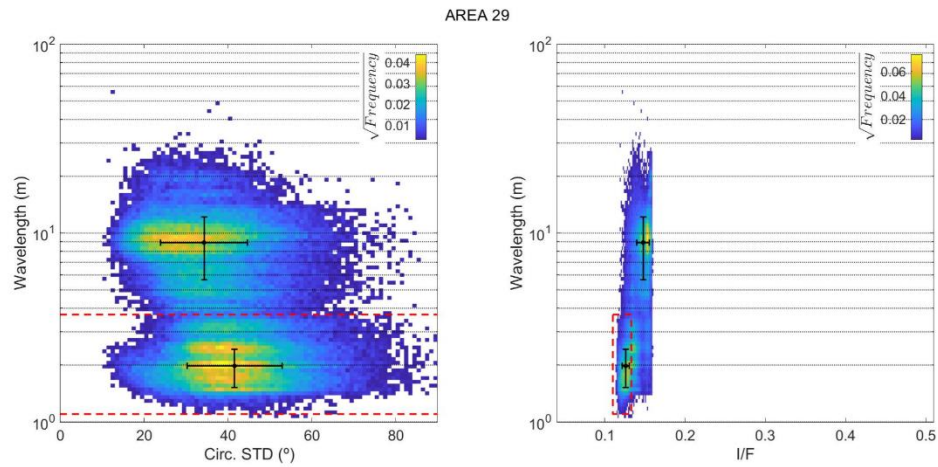
- Large ripple
- Megaripple / TAR



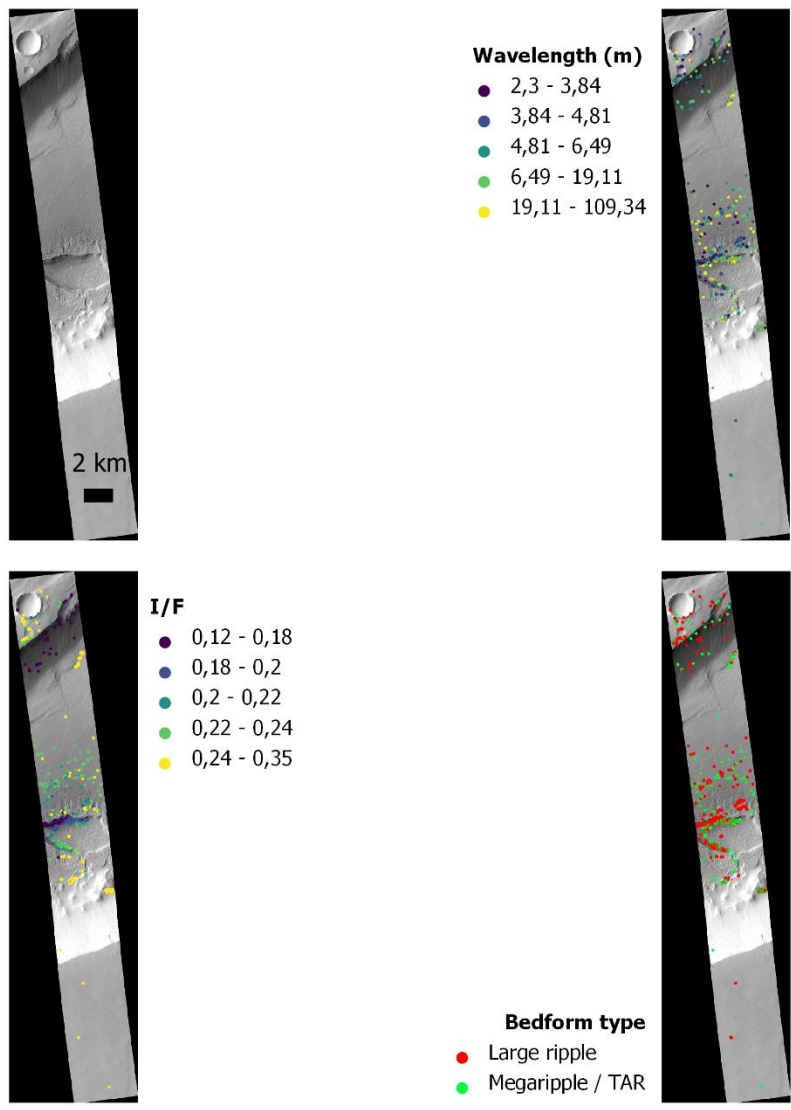
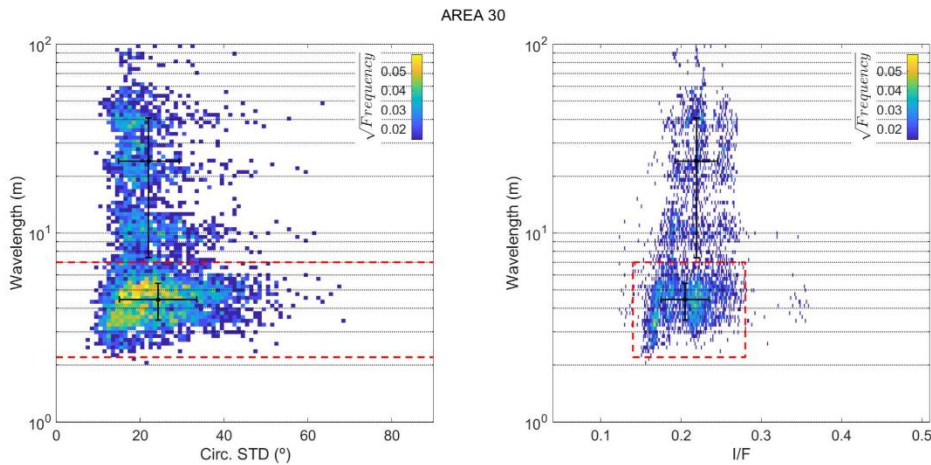
Area 28



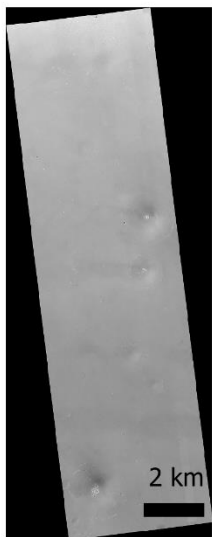
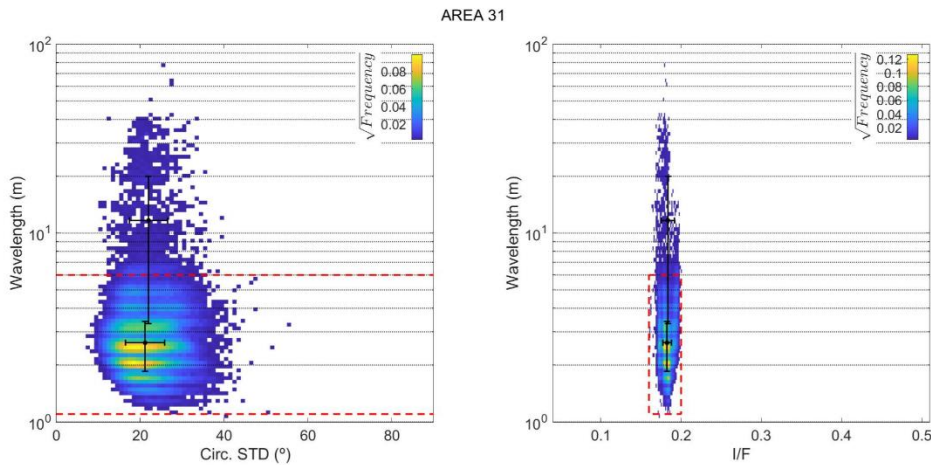
Area 29



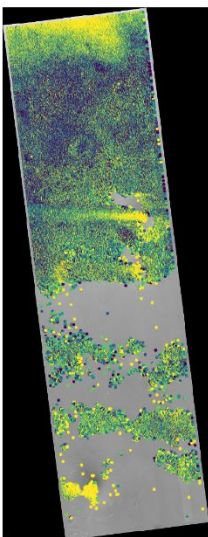
Area 30



Area 31

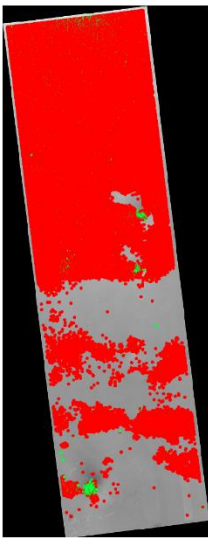


- Wavelength (m)**
- 1,1 - 2,02
 - 2,02 - 2,38
 - 2,38 - 2,59
 - 2,59 - 3,2
 - 3,2 - 78,22

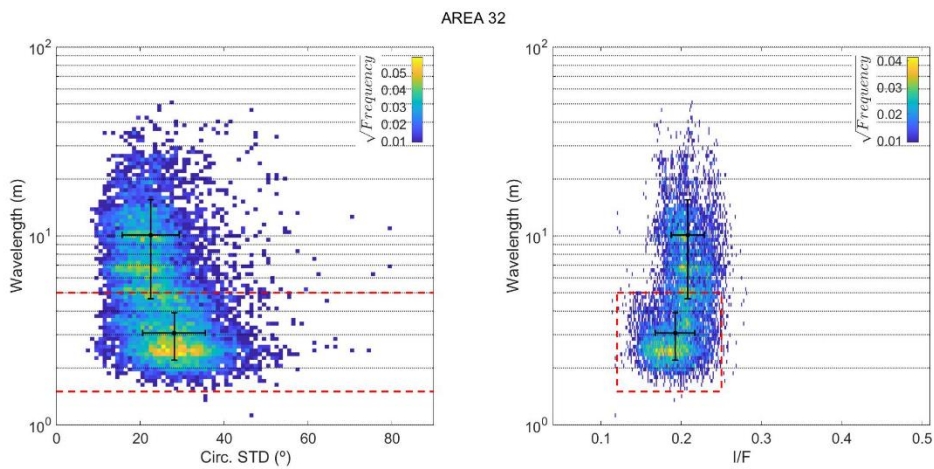


- I/F**
- 0,161 - 0,179
 - 0,179 - 0,181
 - 0,181 - 0,184
 - 0,184 - 0,186
 - 0,186 - 0,201

- Bedform type**
- Large ripple
 - Megaripple / TAR

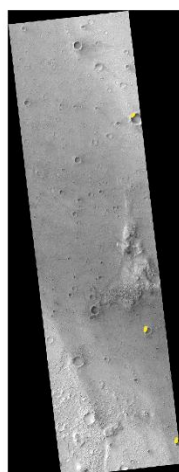
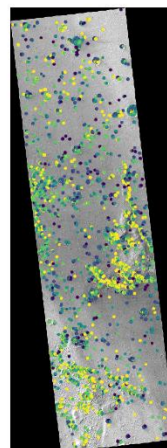


Area 32



Wavelength (m)

- 1.3 - 2.27
- 2.27 - 2.77
- 2.77 - 4.32
- 4.32 - 6.86
- 6.86 - 52.32

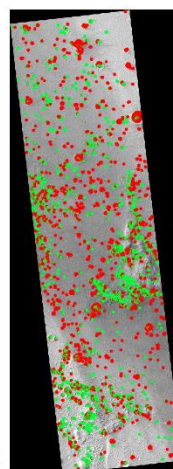


I/F

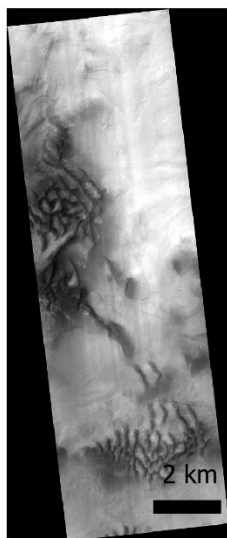
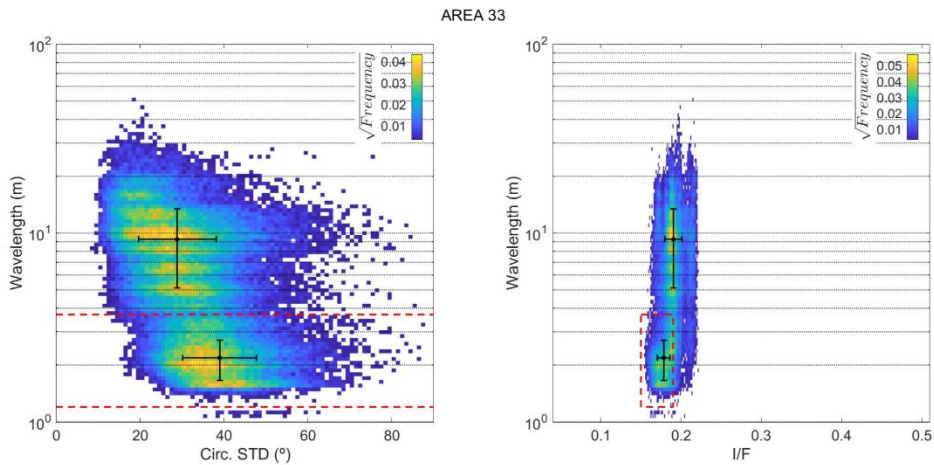
- 0.0729 - 0.0944
- 0.0944 - 0.0979
- 0.0979 - 0.1012
- 0.1012 - 0.1053
- 0.1053 - 0.1331

Bedform type

- Large ripple
- Megaripple / TAR

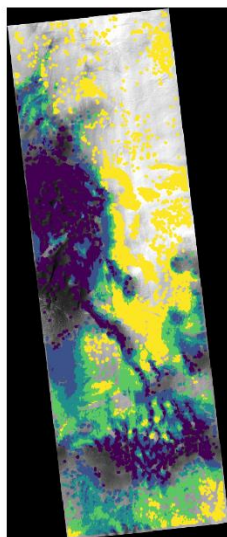
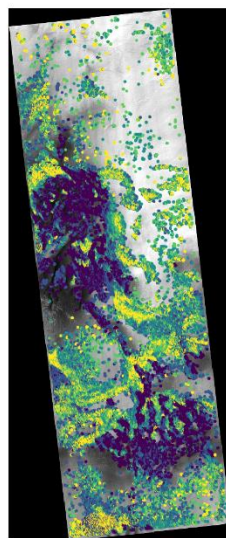


Area 33



Wavelength (m)

- 1,25 - 2,23
- 2,23 - 4,8
- 4,8 - 7,8
- 7,8 - 10,66
- 10,66 - 50,92

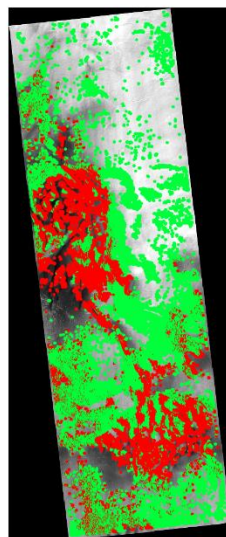


I/F

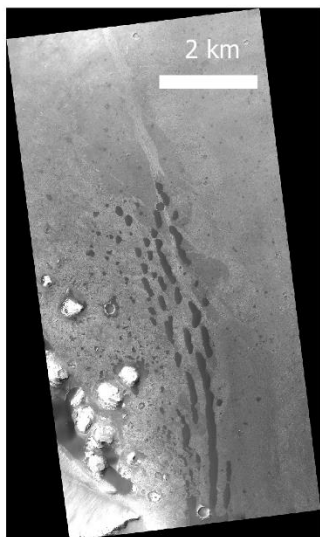
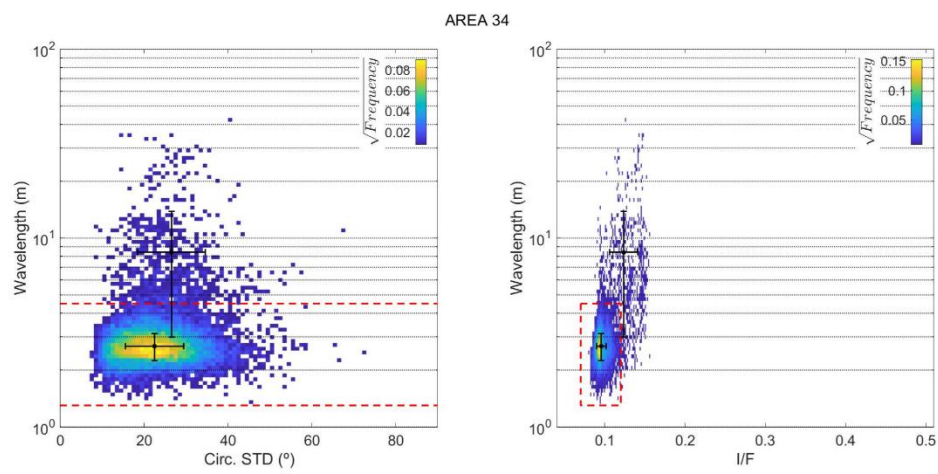
- 0,154 - 0,178
- 0,178 - 0,185
- 0,185 - 0,188
- 0,188 - 0,193
- 0,193 - 0,221

Bedform type

- Large ripple
- Megaripple / TAR

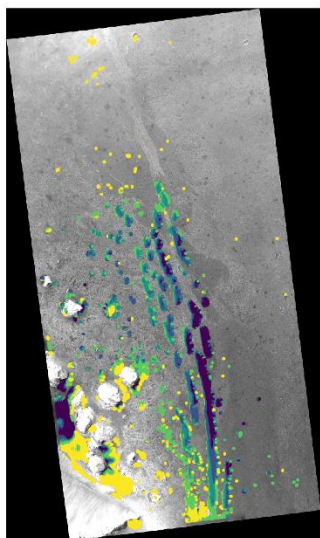
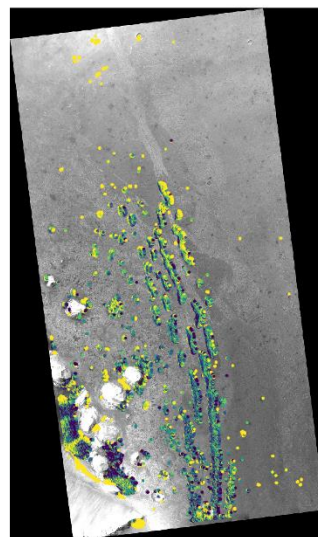


Area 34



Wavelength (m)

- 1,37 - 2,36
- 2,36 - 2,54
- 2,54 - 2,75
- 2,75 - 3,07
- 3,07 - 41,91

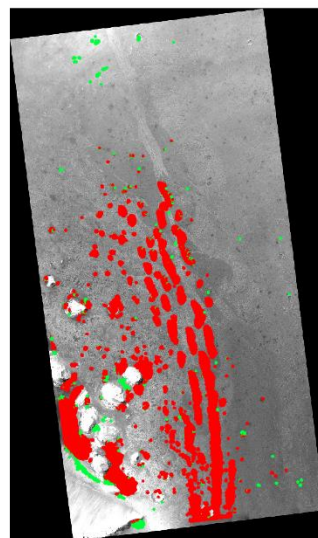


I/F

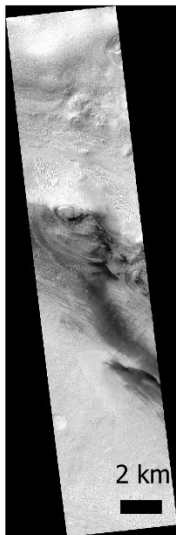
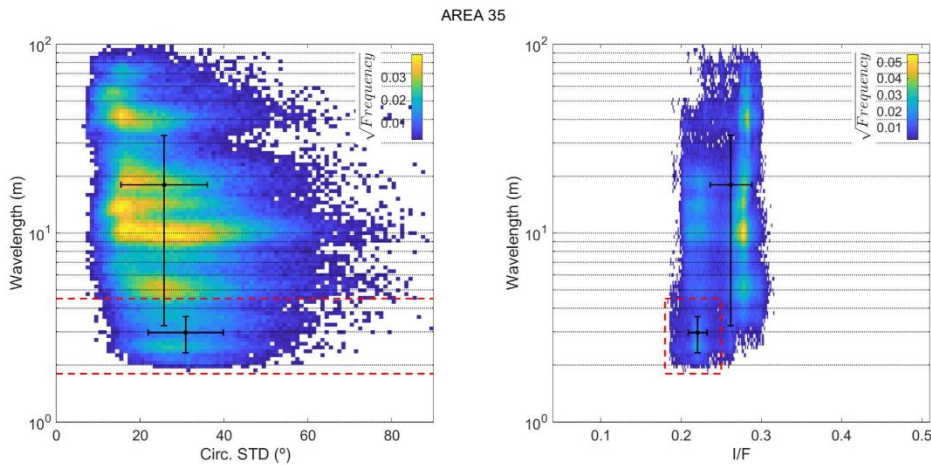
- 0,08 - 0,092
- 0,092 - 0,093
- 0,093 - 0,095
- 0,095 - 0,101
- 0,101 - 0,156

Bedform type

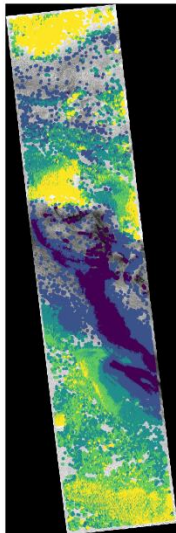
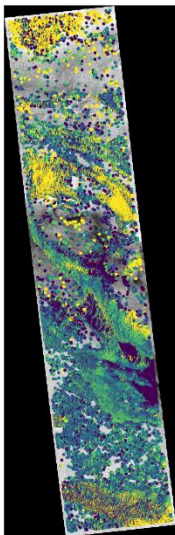
- Large ripple
- Megaripple / TAR



Area 35

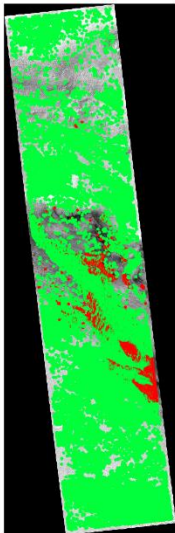


- Wavelength (m)**
- 1,9 - 6,6
 - 6,6 - 10,2
 - 10,2 - 14
 - 14 - 22,8
 - 22,8 - 100,6

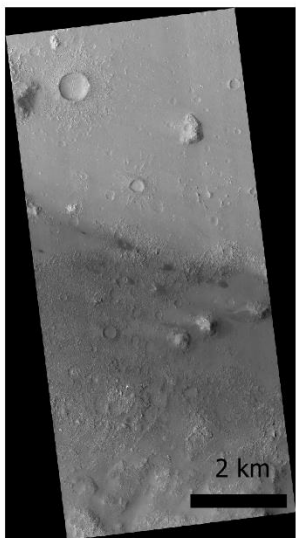
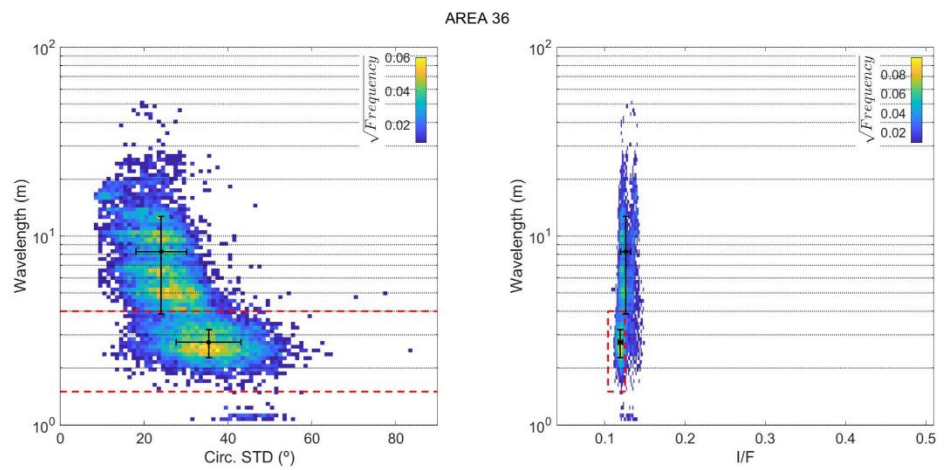


- I/F**
- 0,184 - 0,226
 - 0,226 - 0,266
 - 0,266 - 0,276
 - 0,276 - 0,281
 - 0,281 - 0,316

- Bedform type**
- Large ripple
 - Megaripple / TAR

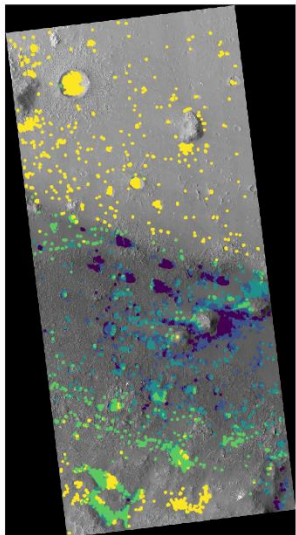
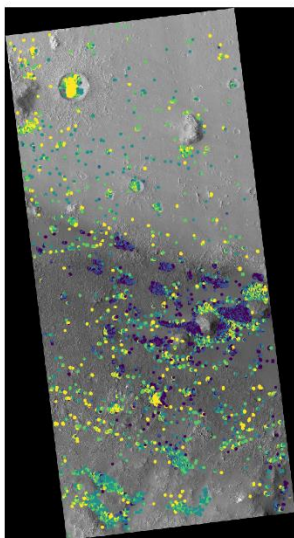


Area 36



Wavelength (m)

- 1,5 - 2,7
- 2,7 - 4,1
- 4,1 - 5,6
- 5,6 - 9,2
- 9,2 - 50,9

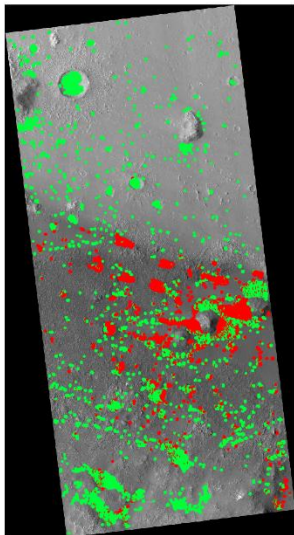


I/F

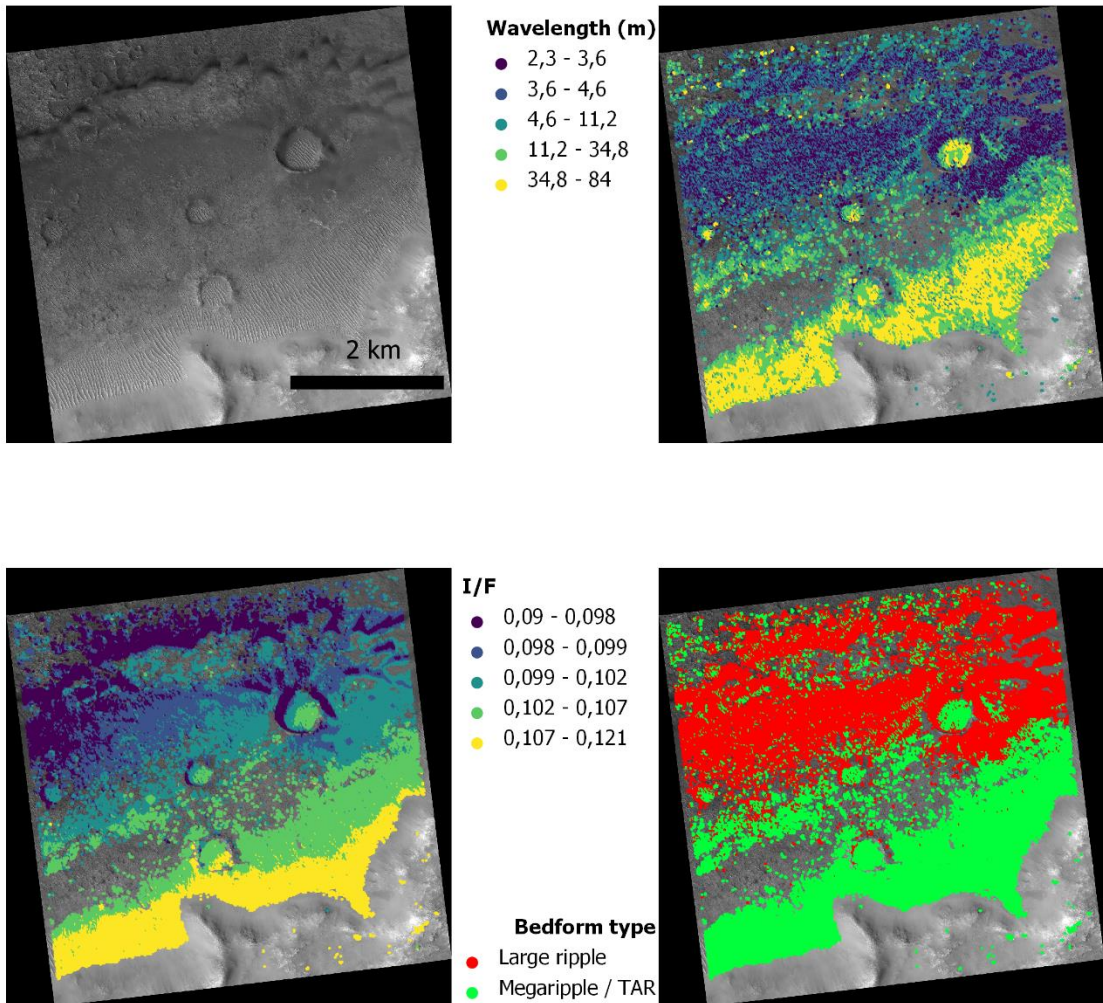
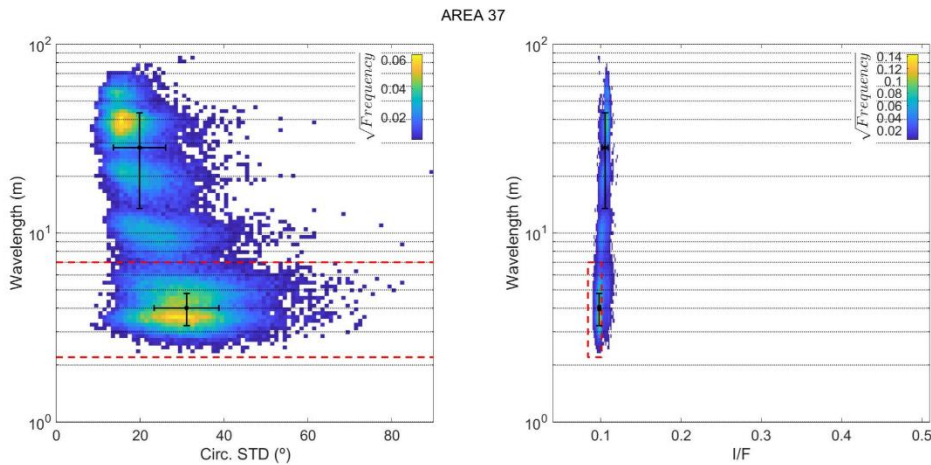
- 0,108 - 0,119
- 0,119 - 0,121
- 0,121 - 0,123
- 0,123 - 0,127
- 0,127 - 0,149

Bedform type

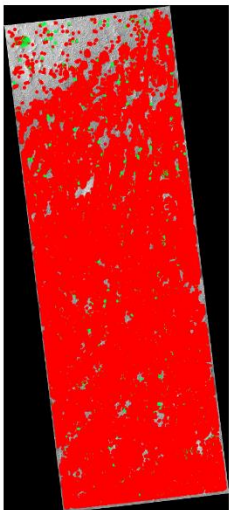
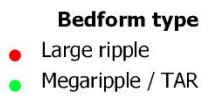
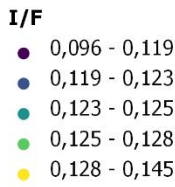
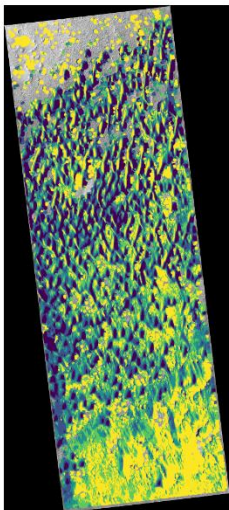
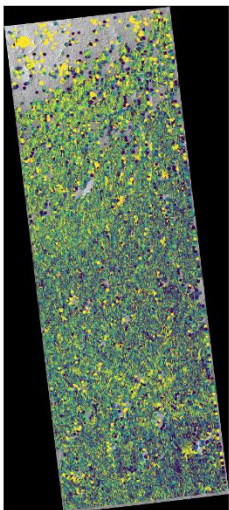
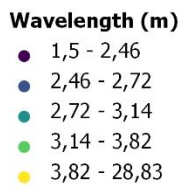
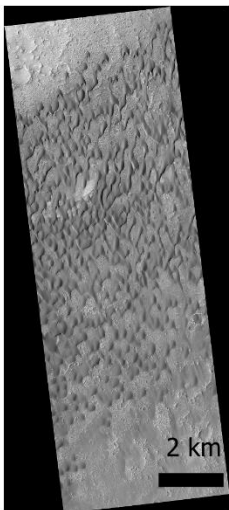
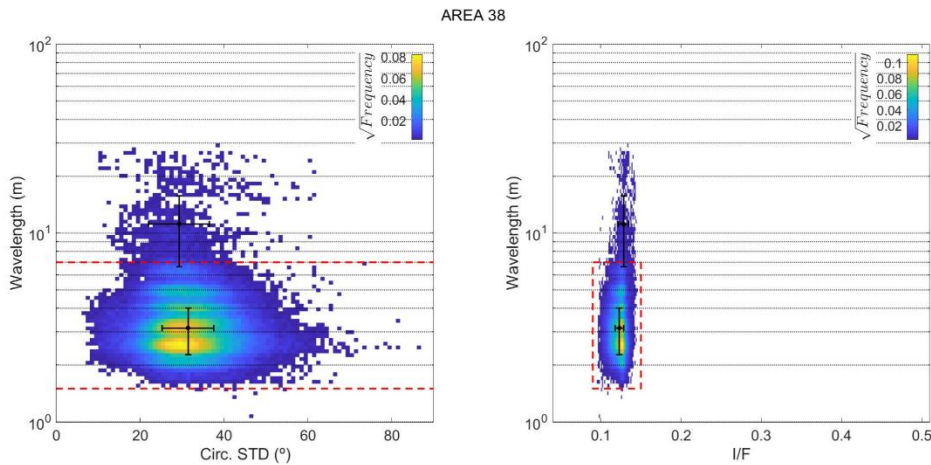
- Large ripple
- Megaripple / TAR



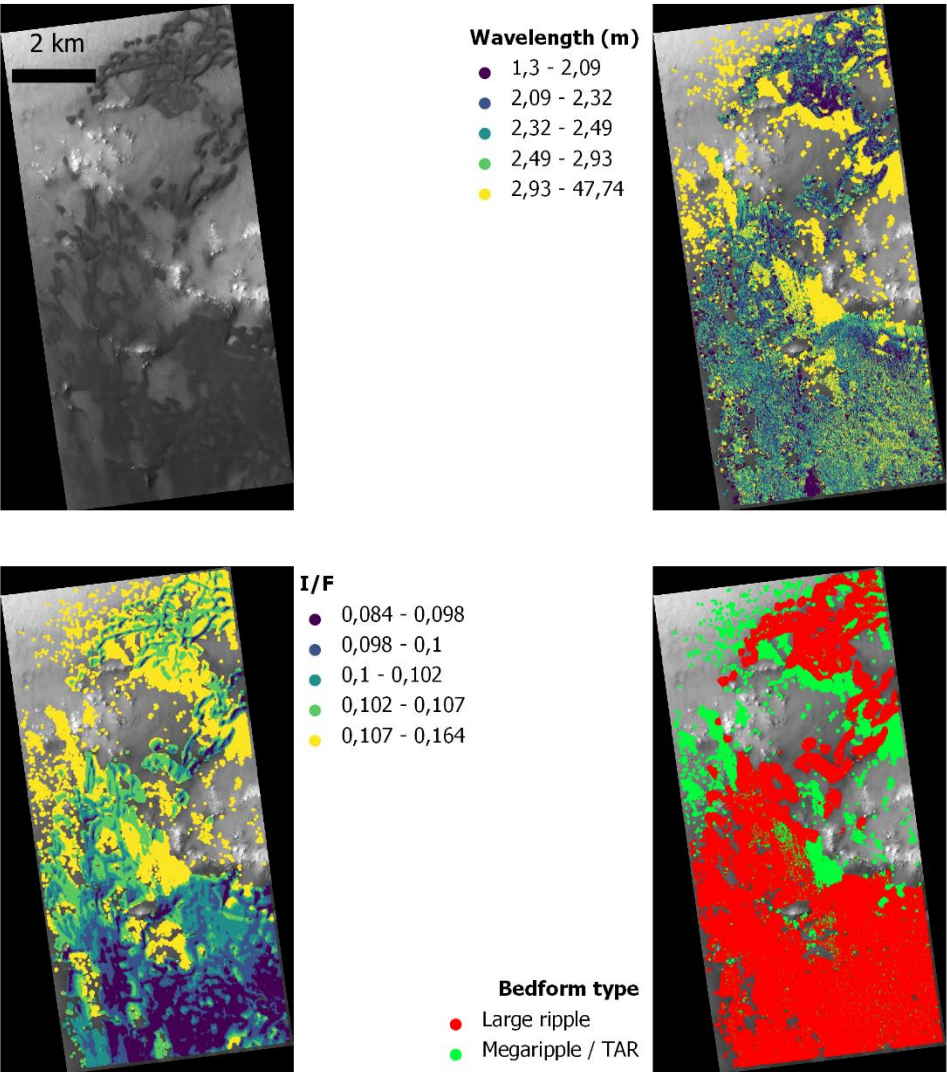
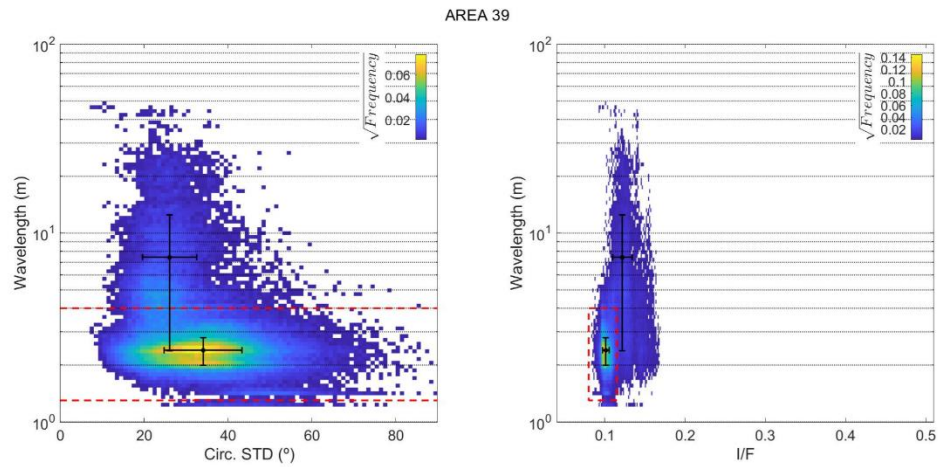
Area 37



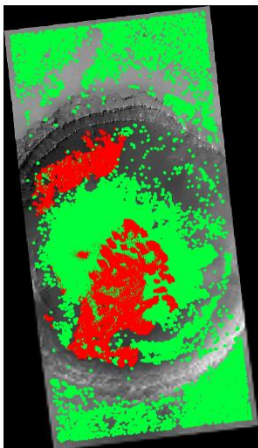
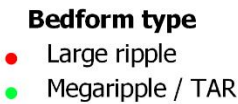
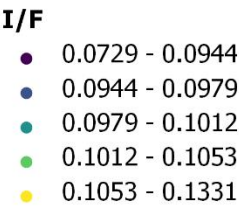
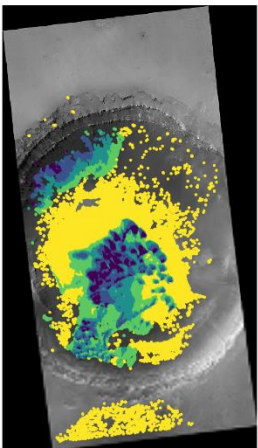
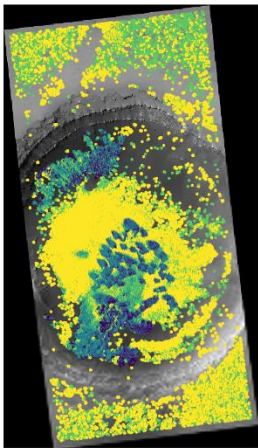
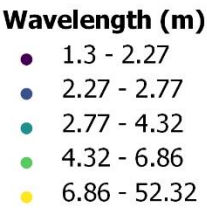
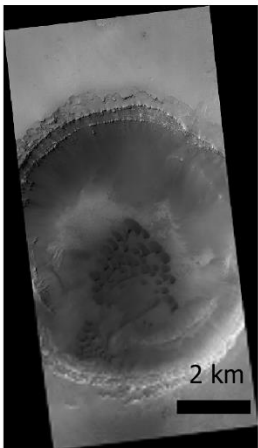
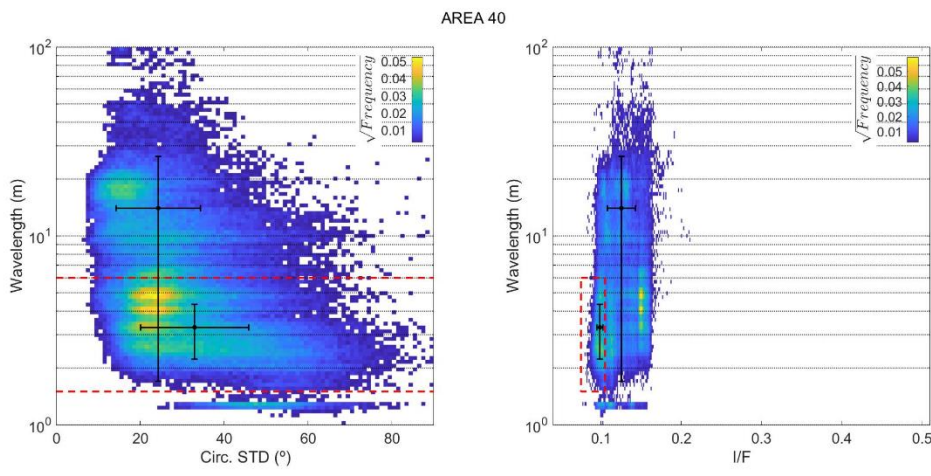
Area 38



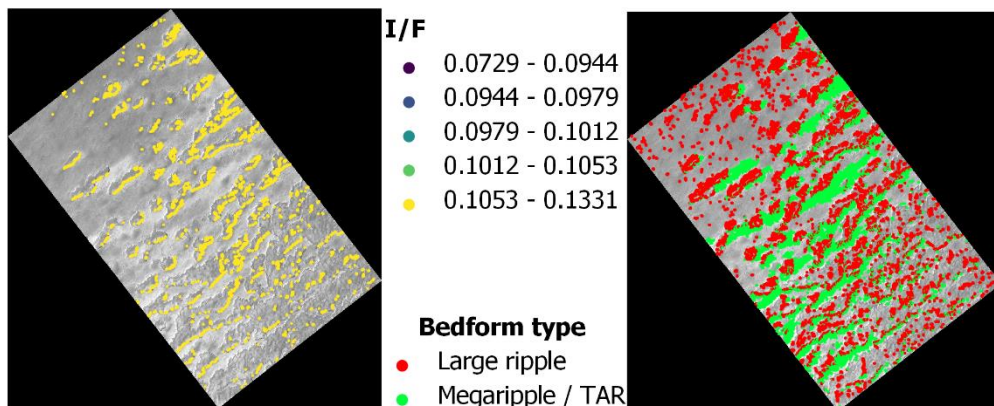
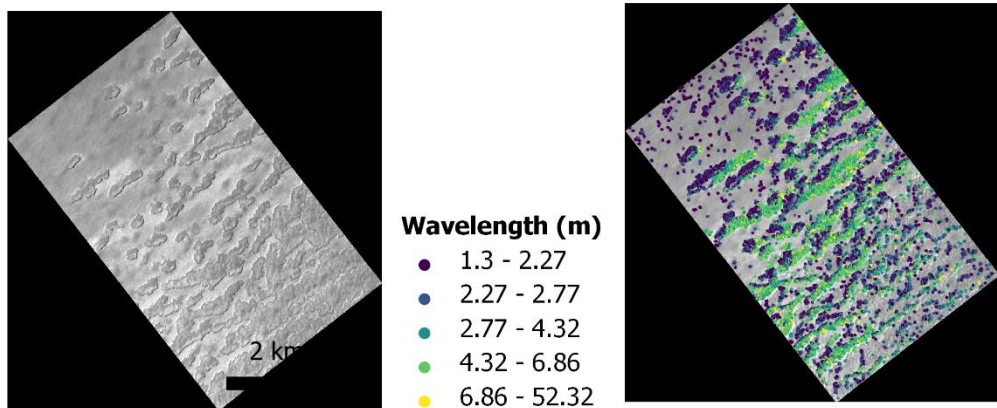
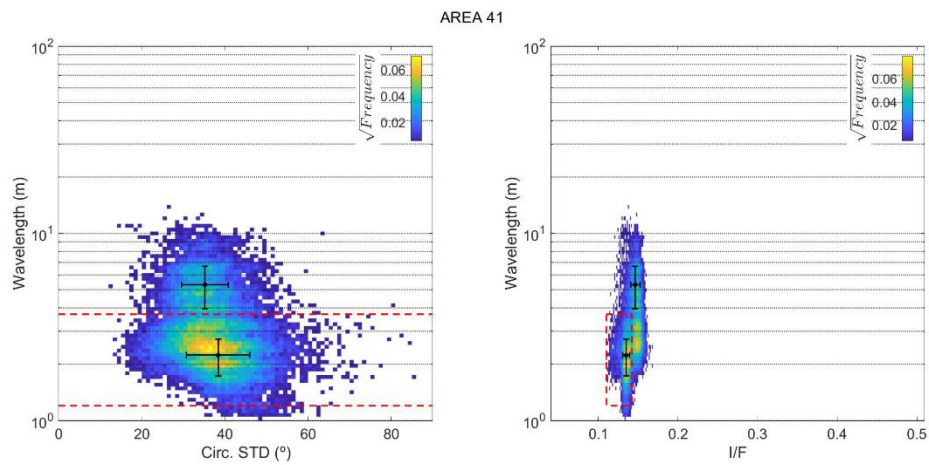
Area 39



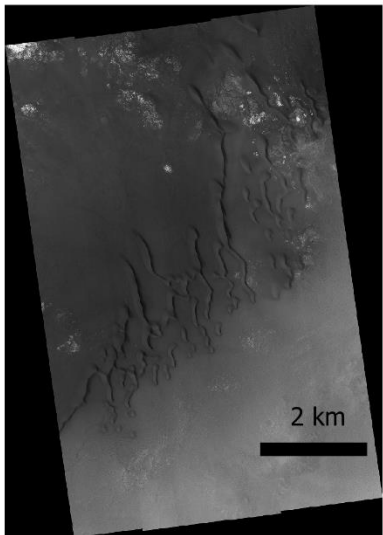
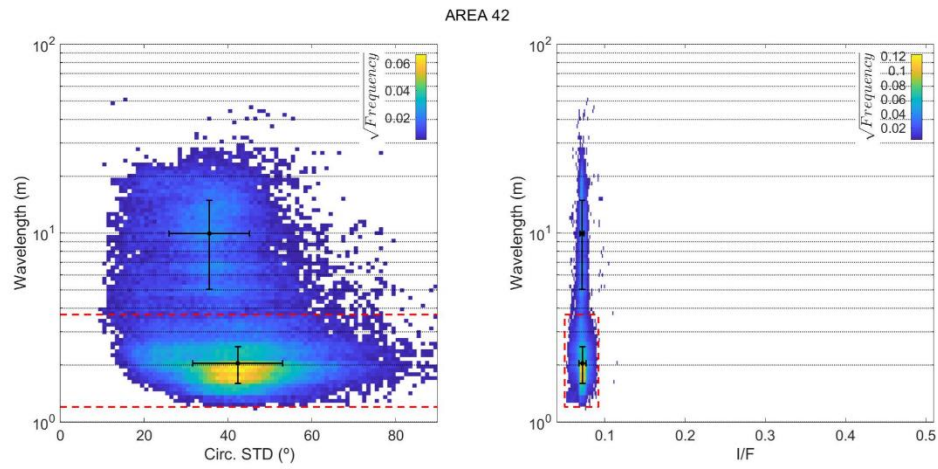
Area 40



Area 41

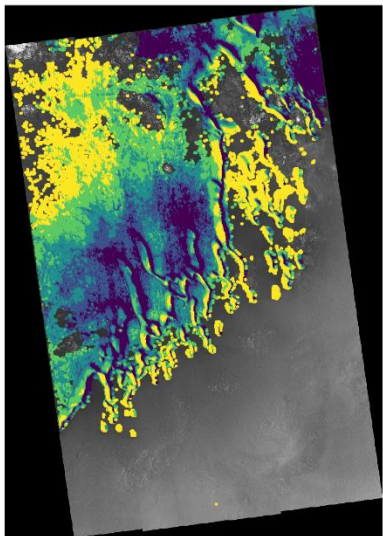
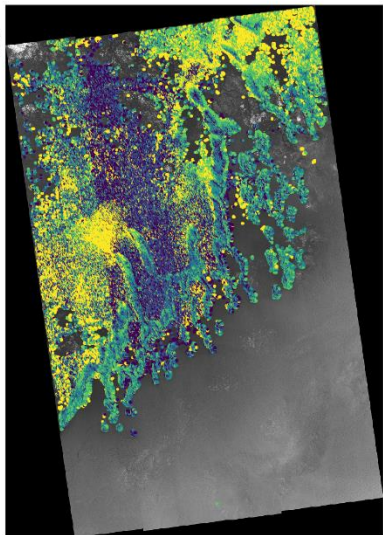


Area 42



Wavelength (m)

- 1,2 - 1,75
- 1,75 - 1,96
- 1,96 - 2,36
- 2,36 - 5,18
- 5,18 - 50,54

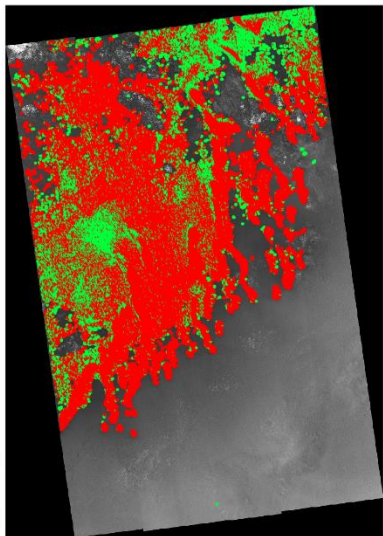


I/F

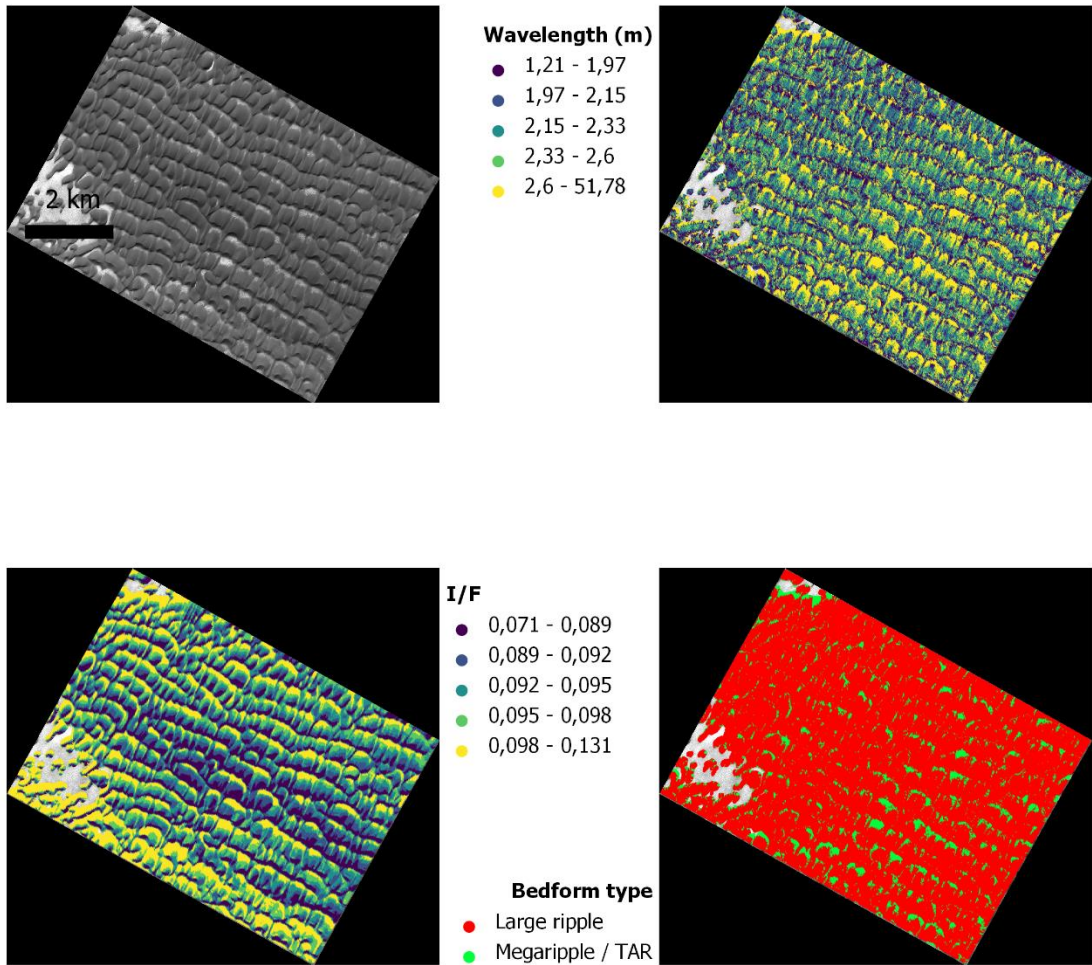
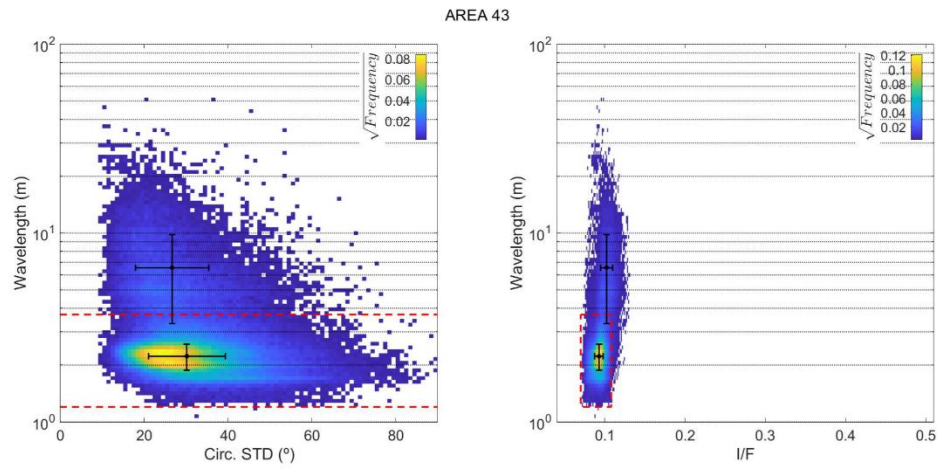
- 0,052 - 0,069
- 0,069 - 0,071
- 0,071 - 0,073
- 0,073 - 0,075
- 0,075 - 0,11

Bedform type

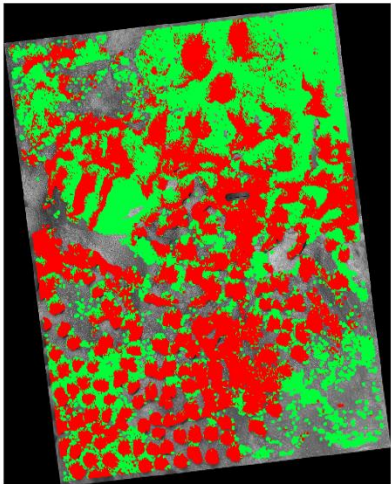
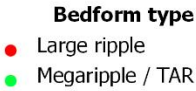
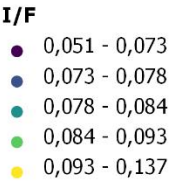
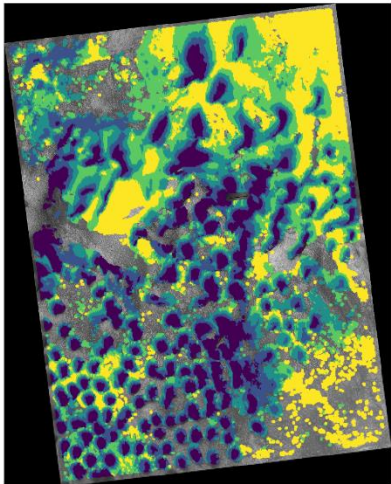
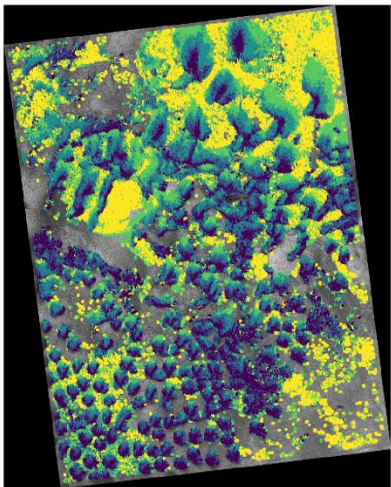
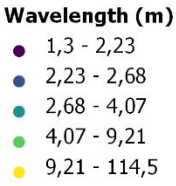
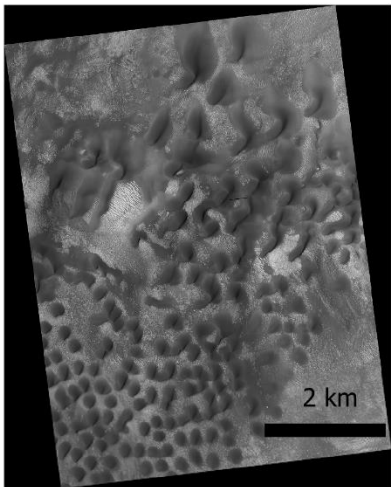
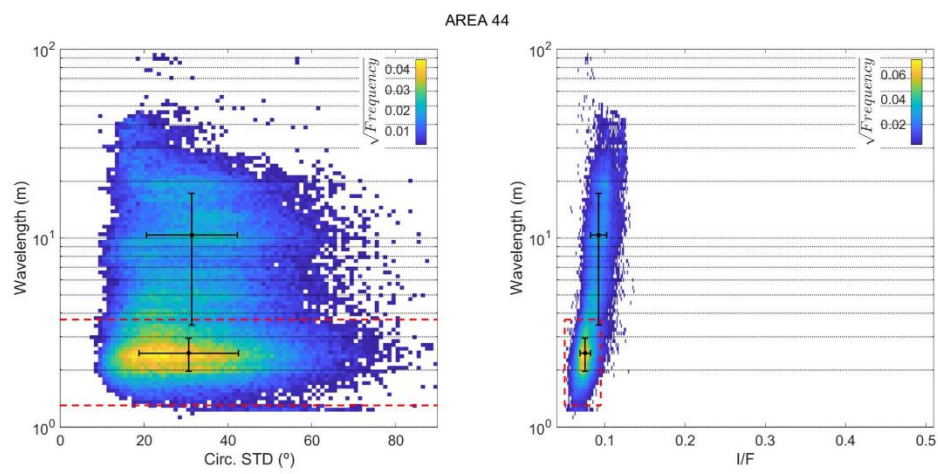
- Large ripple
- Megaripple / TAR



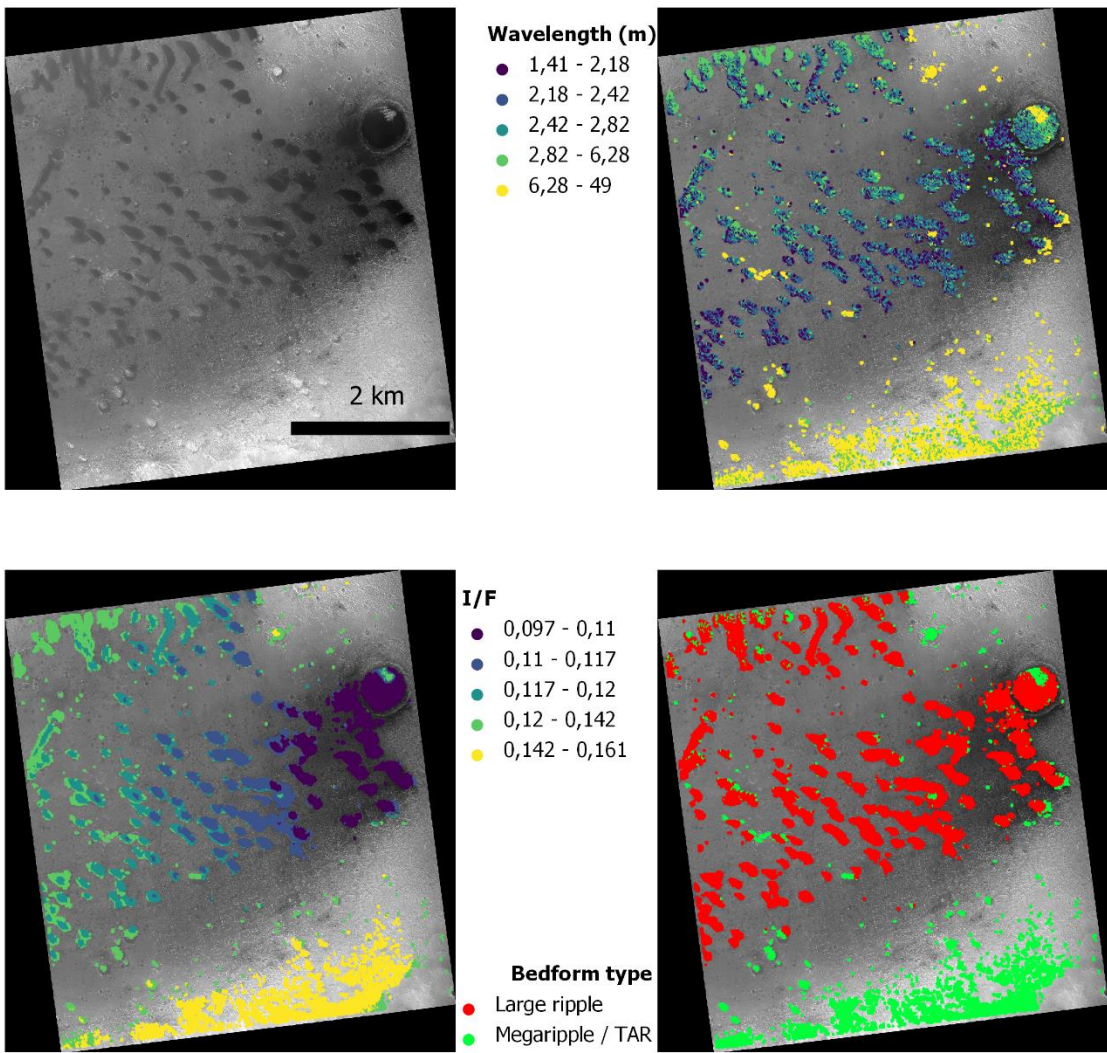
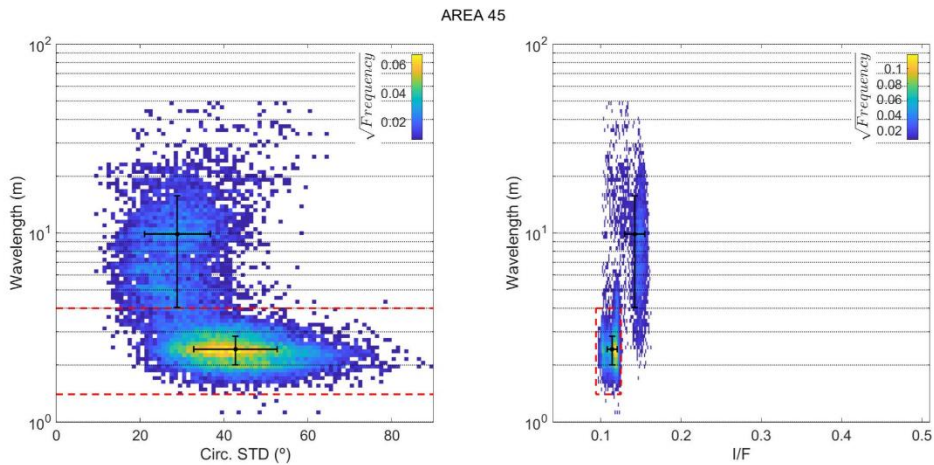
Area 43



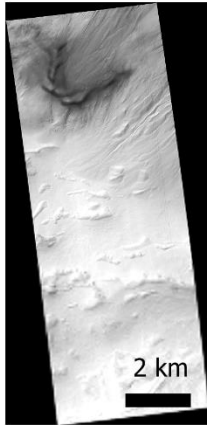
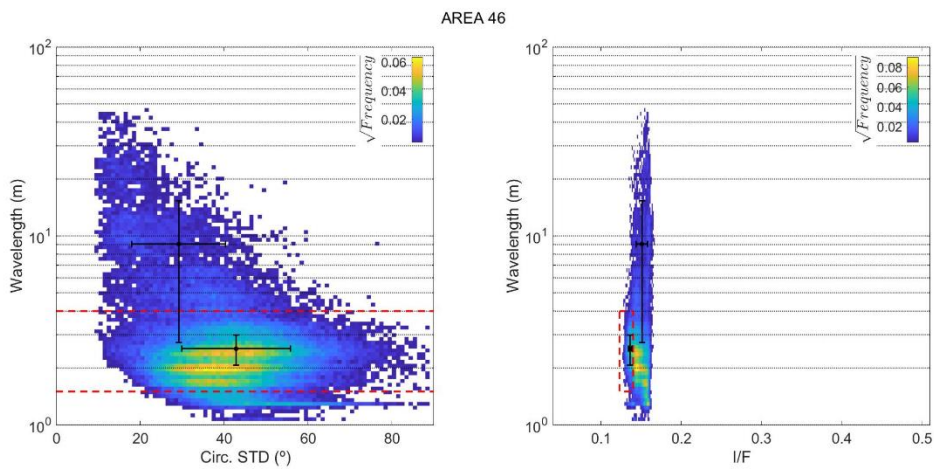
Area 44



Area 45

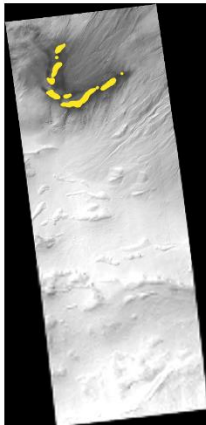
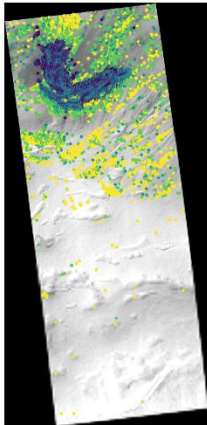


Area 46



Wavelength (m)

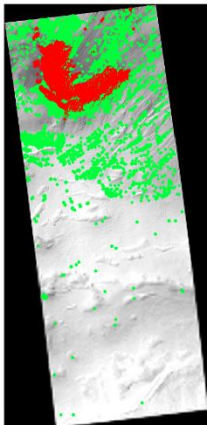
- 1.3 - 2.27
- 2.27 - 2.77
- 2.77 - 4.32
- 4.32 - 6.86
- 6.86 - 52.32



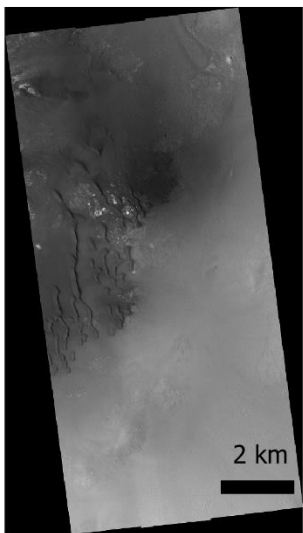
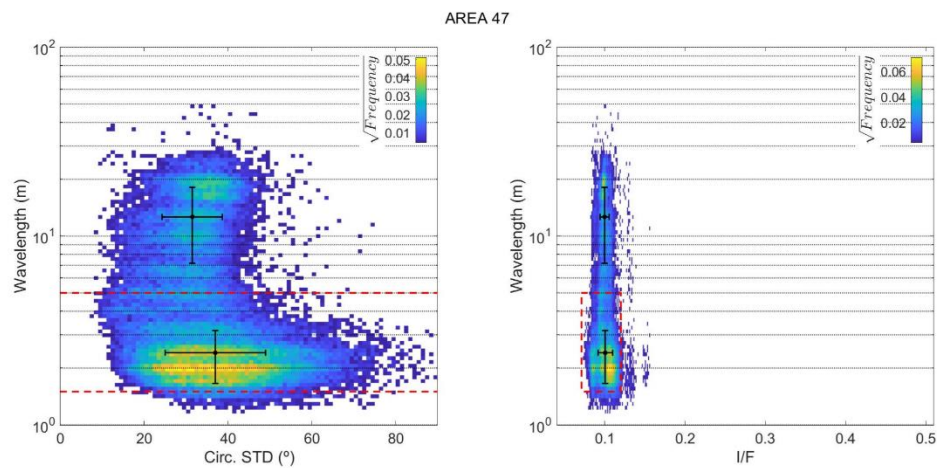
- I/F
- 0.0729 - 0.0944
 - 0.0944 - 0.0979
 - 0.0979 - 0.1012
 - 0.1012 - 0.1053
 - 0.1053 - 0.1331

Bedform type

- Large ripple
- Megaripple / TAR

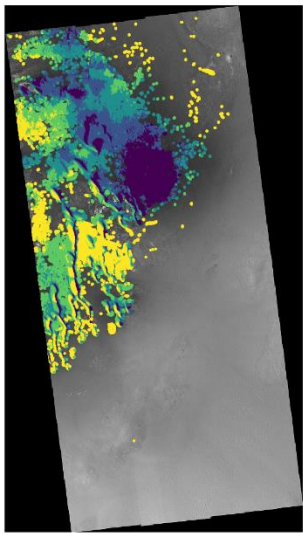
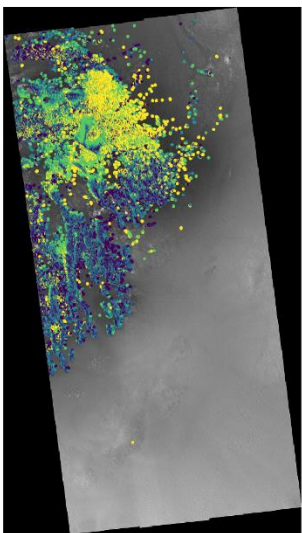


Area 47



Wavelength (m)

- 1,5 - 1,94
- 1,94 - 2,28
- 2,28 - 3,05
- 3,05 - 8,66
- 8,66 - 49,54

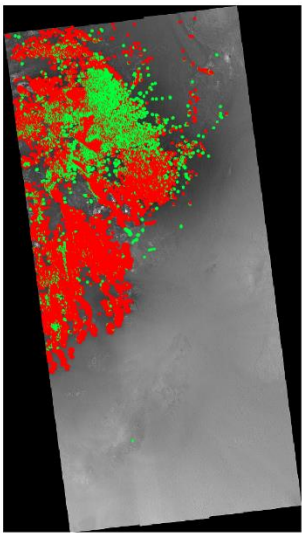


I/F

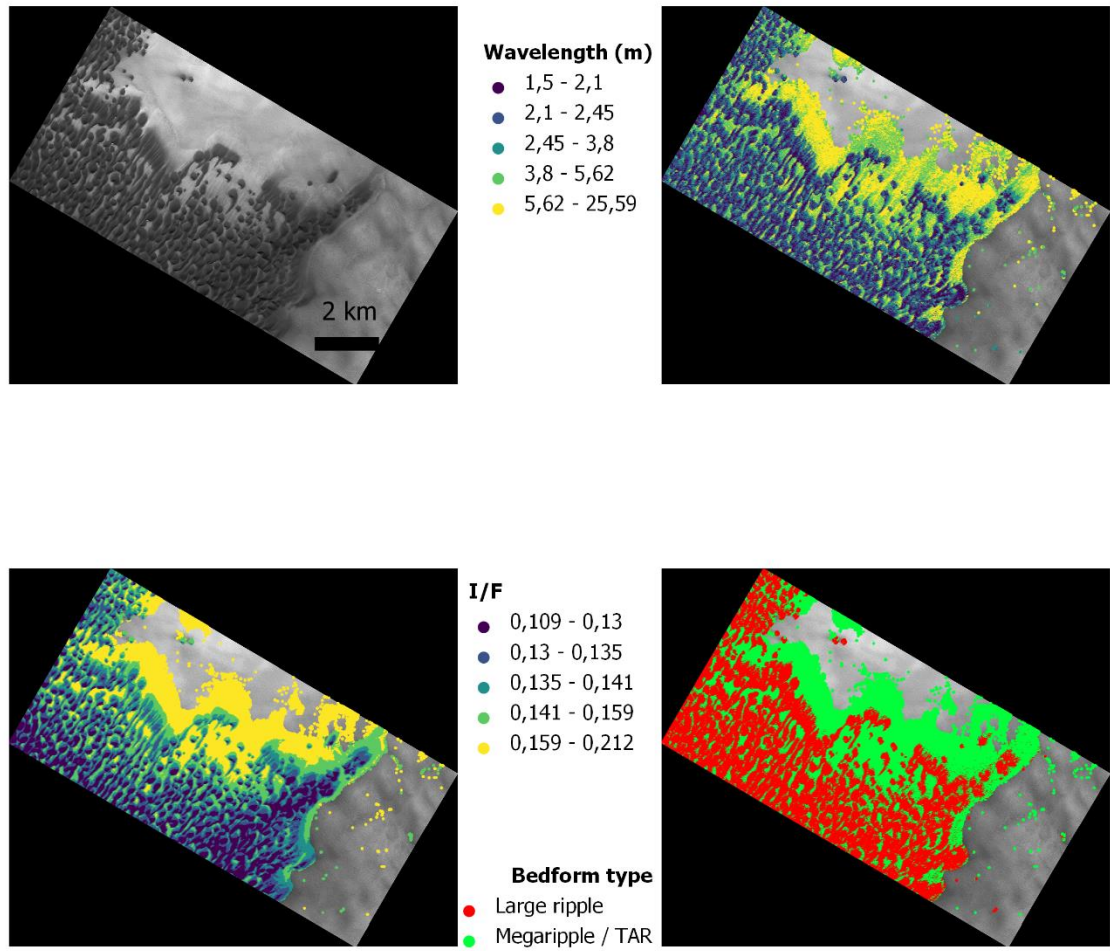
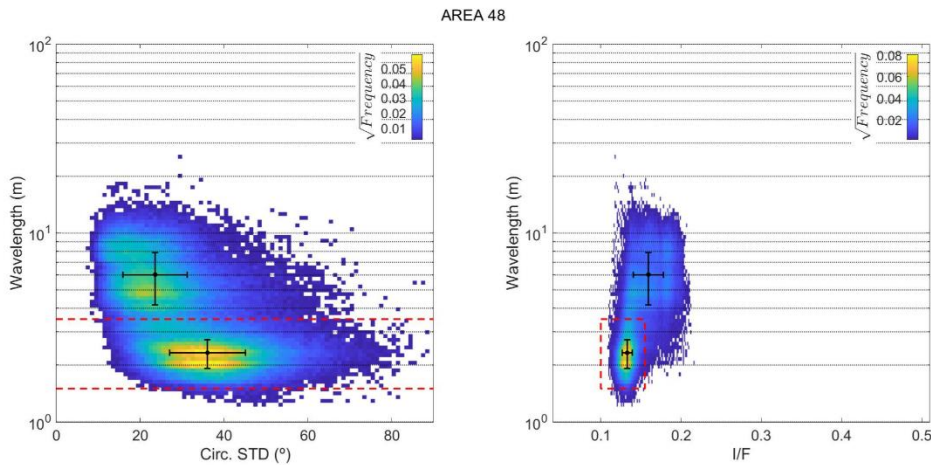
- 0,074 - 0,094
- 0,094 - 0,098
- 0,098 - 0,103
- 0,103 - 0,108
- 0,108 - 0,156

Bedform type

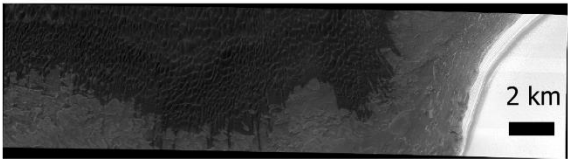
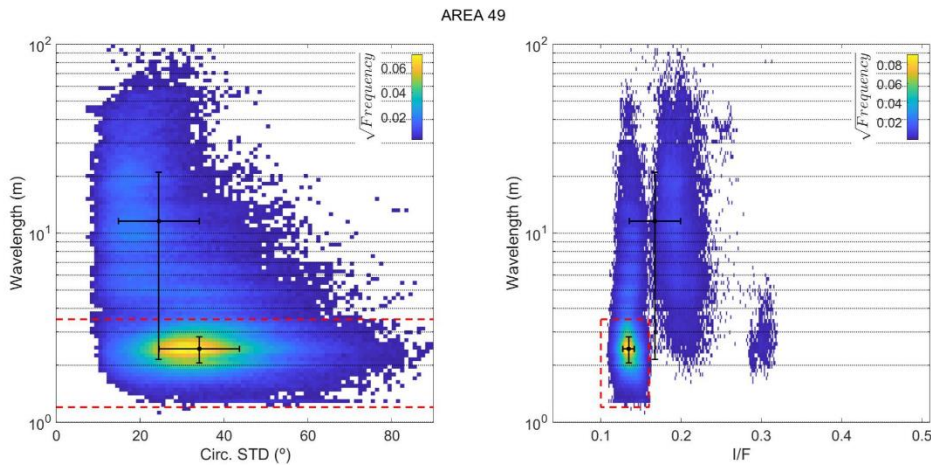
- Large ripple
- Megaripple / TAR



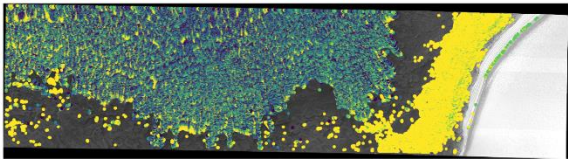
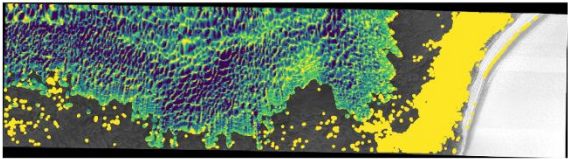
Area 48



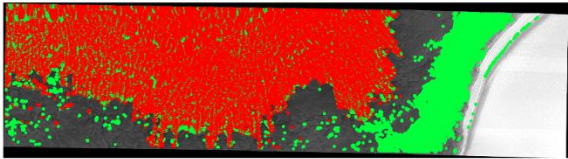
Area 49



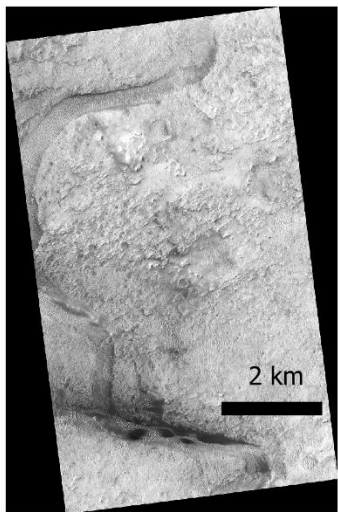
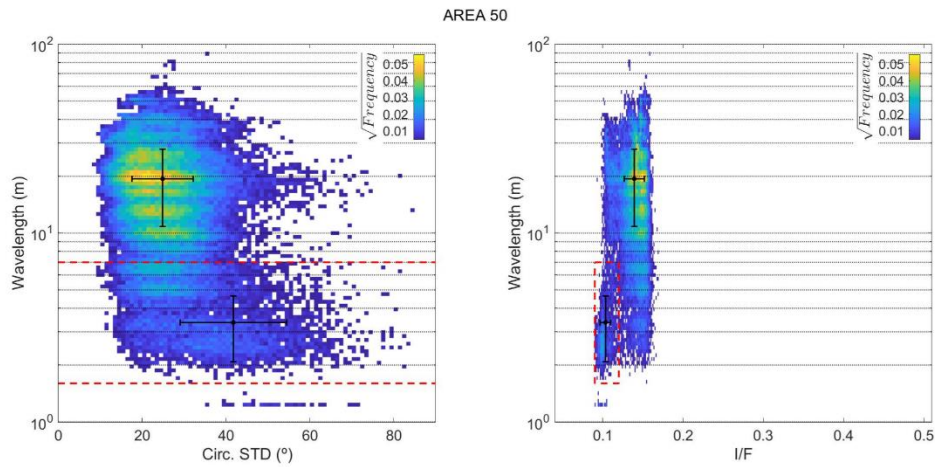
- I/F**
- 0,108 - 0,13
 - 0,13 - 0,134
 - 0,134 - 0,138
 - 0,138 - 0,145
 - 0,145 - 0,318



- Wavelength (m)**
- 1,21 - 2,2
 - 2,2 - 2,44
 - 2,44 - 2,72
 - 2,72 - 4,6
 - 4,6 - 98,3
- Bedform type**
- Large ripple
 - Megaripple / TAR

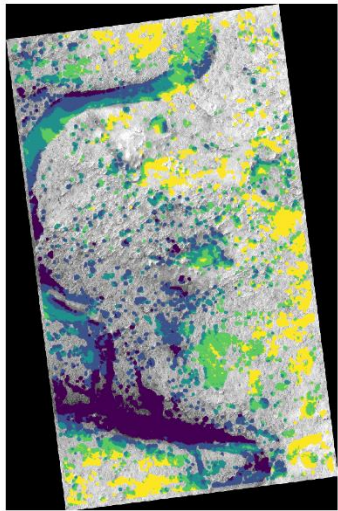
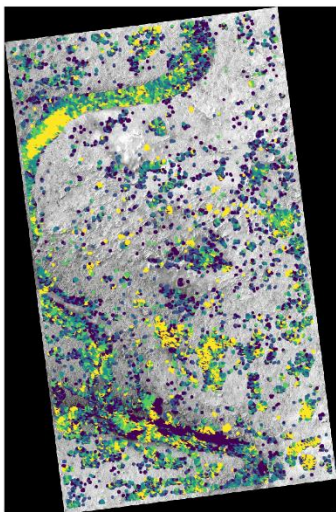


Area 50



Wavelength (m)

- 1,7 - 10,6
- 10,6 - 15,5
- 15,5 - 19,6
- 19,6 - 25
- 25 - 87,7

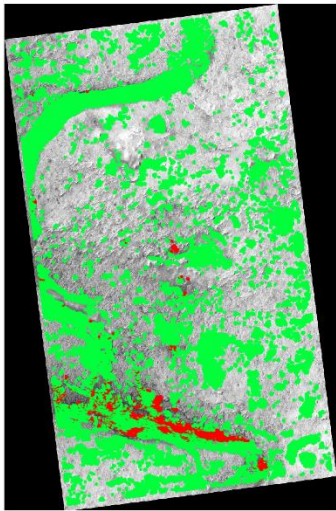


I/F

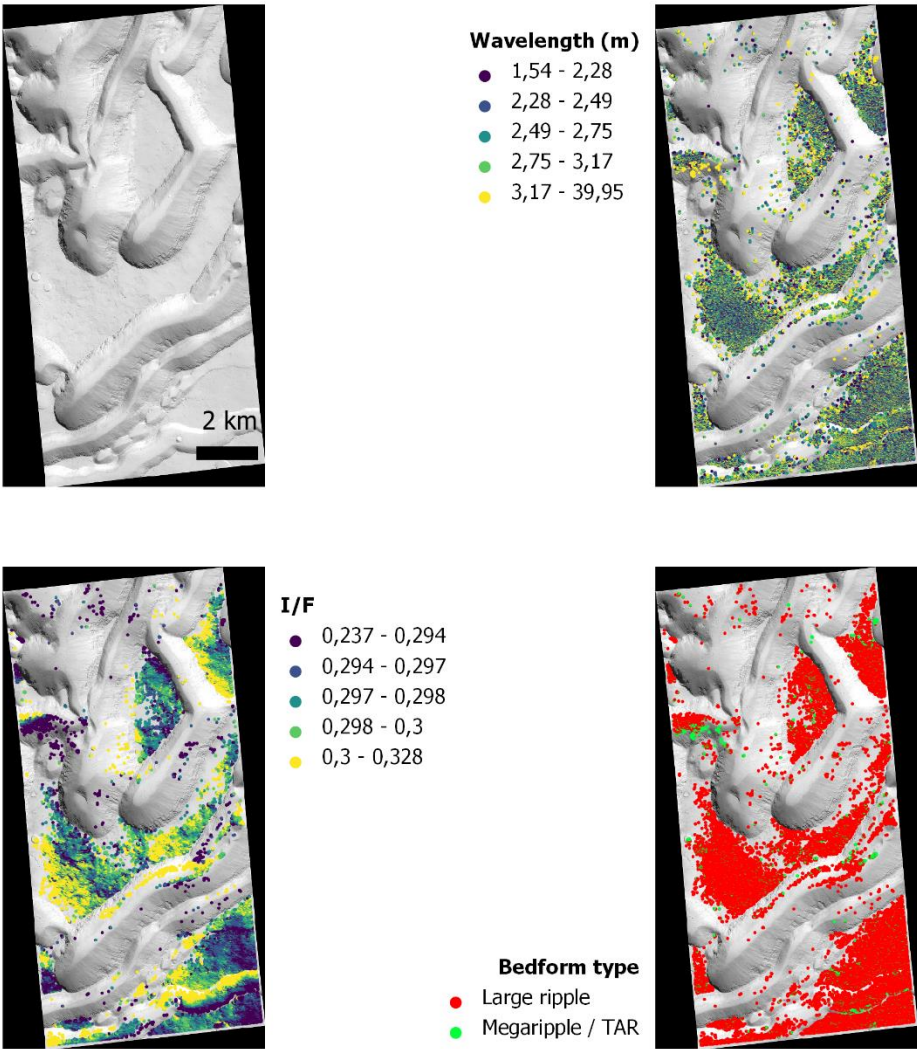
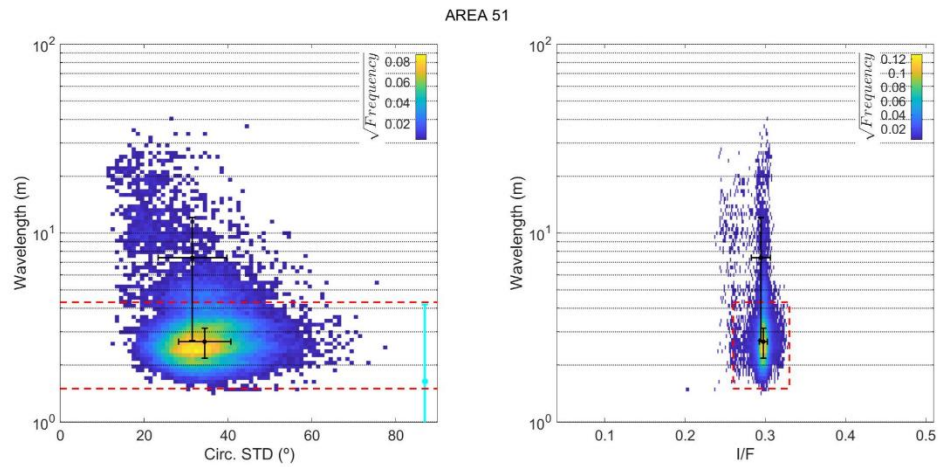
- 0,09 - 0,127
- 0,127 - 0,138
- 0,138 - 0,144
- 0,144 - 0,149
- 0,149 - 0,168

Bedform type

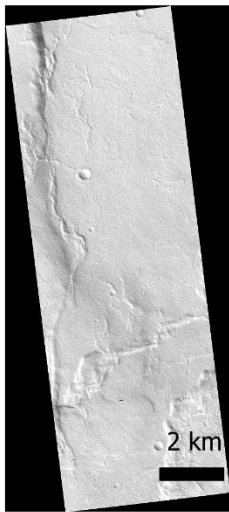
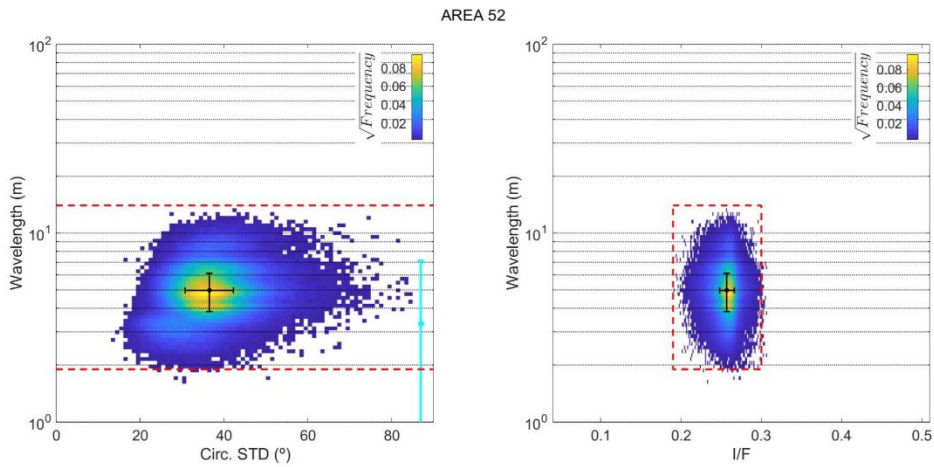
- Large ripple
- Megaripple / TAR



Area 51

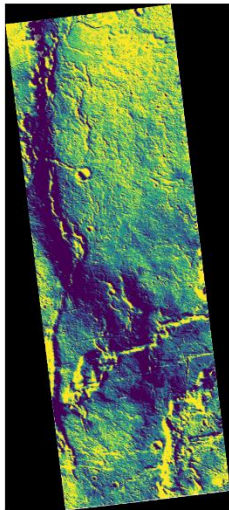
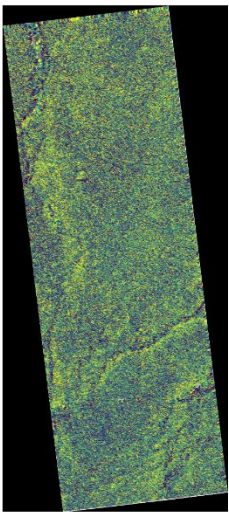


Area 52



Wavelength (m)

- 1,92 - 4,1
- 4,1 - 4,64
- 4,64 - 5,06
- 5,06 - 5,78
- 5,78 - 13,15

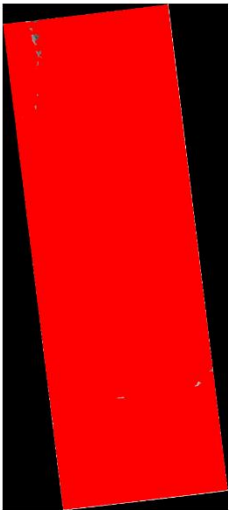


I/F

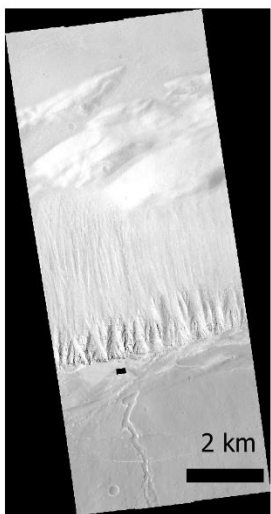
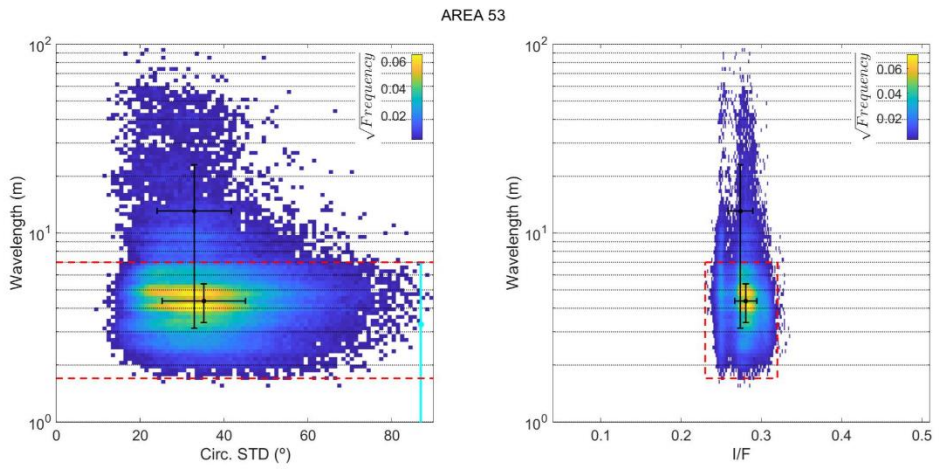
- 0,19 - 0,251
- 0,251 - 0,256
- 0,256 - 0,26
- 0,26 - 0,264
- 0,264 - 0,3

Bedform type

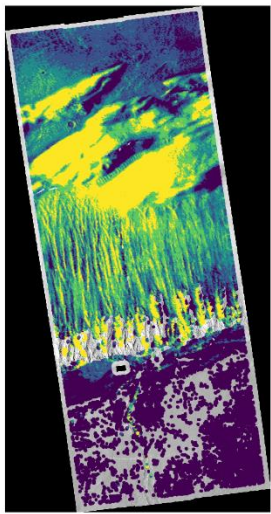
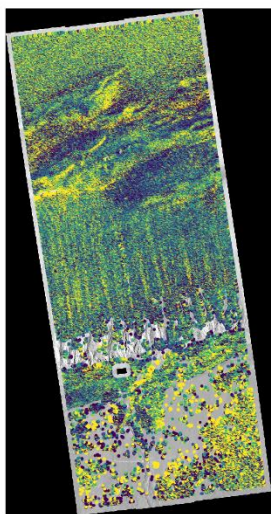
- Large ripple
- Megaripple / TAR



Area 53

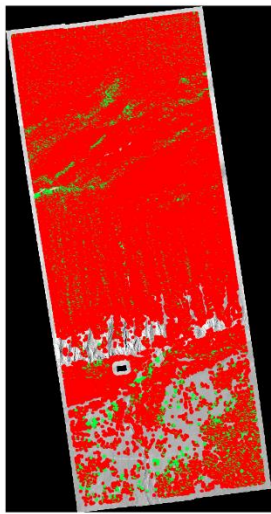


- Wavelength (m)**
- 1,7 - 3,53
 - 3,53 - 4,12
 - 4,12 - 4,72
 - 4,72 - 5,31
 - 5,31 - 93,99

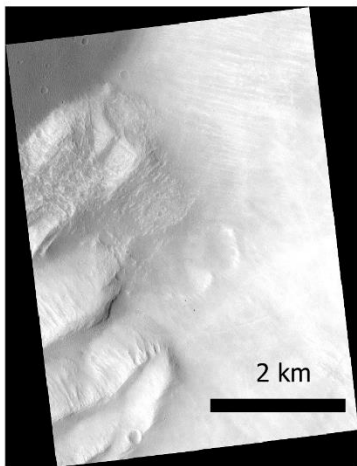
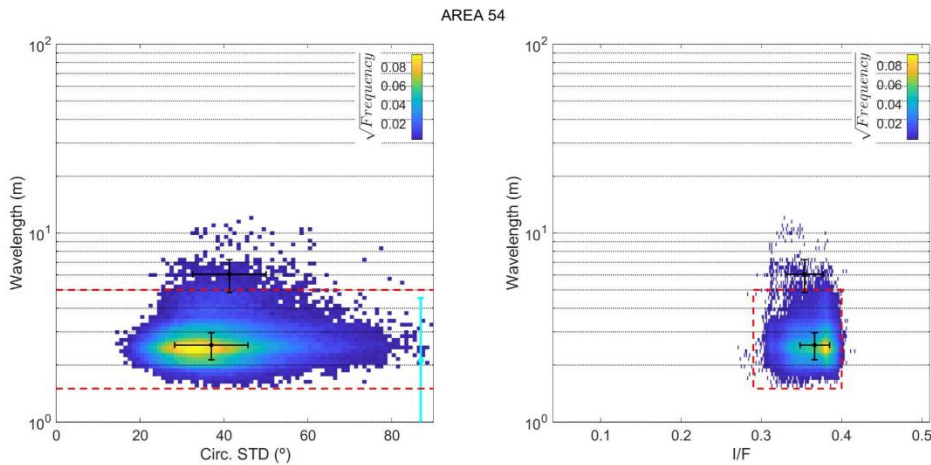


- I/F**
- 0,23 - 0,272
 - 0,272 - 0,278
 - 0,278 - 0,284
 - 0,284 - 0,29
 - 0,29 - 0,328

- Bedform type**
- Large ripple
 - Megaripple / TAR

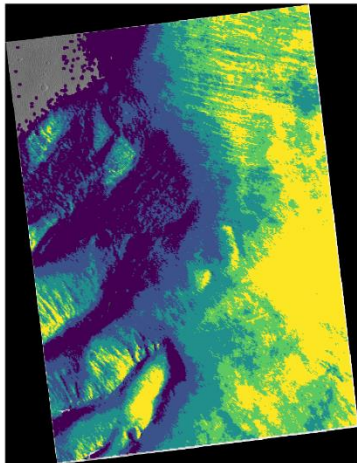
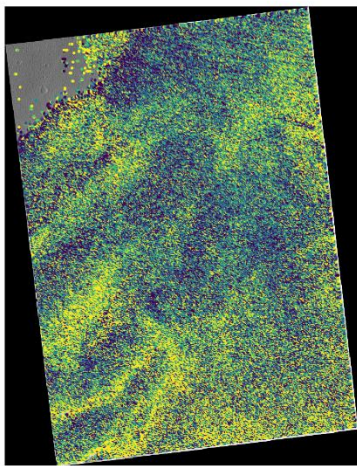


Area 54



Wavelength (m)

- 1,52 - 2,25
- 2,25 - 2,42
- 2,42 - 2,56
- 2,56 - 2,8
- 2,8 - 11,97

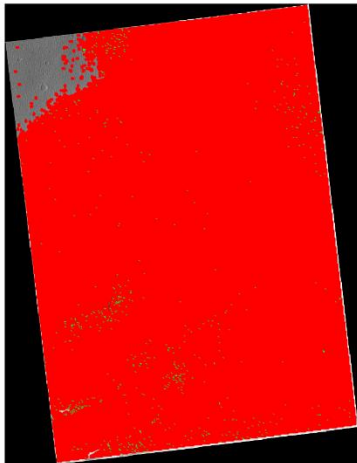


I/F

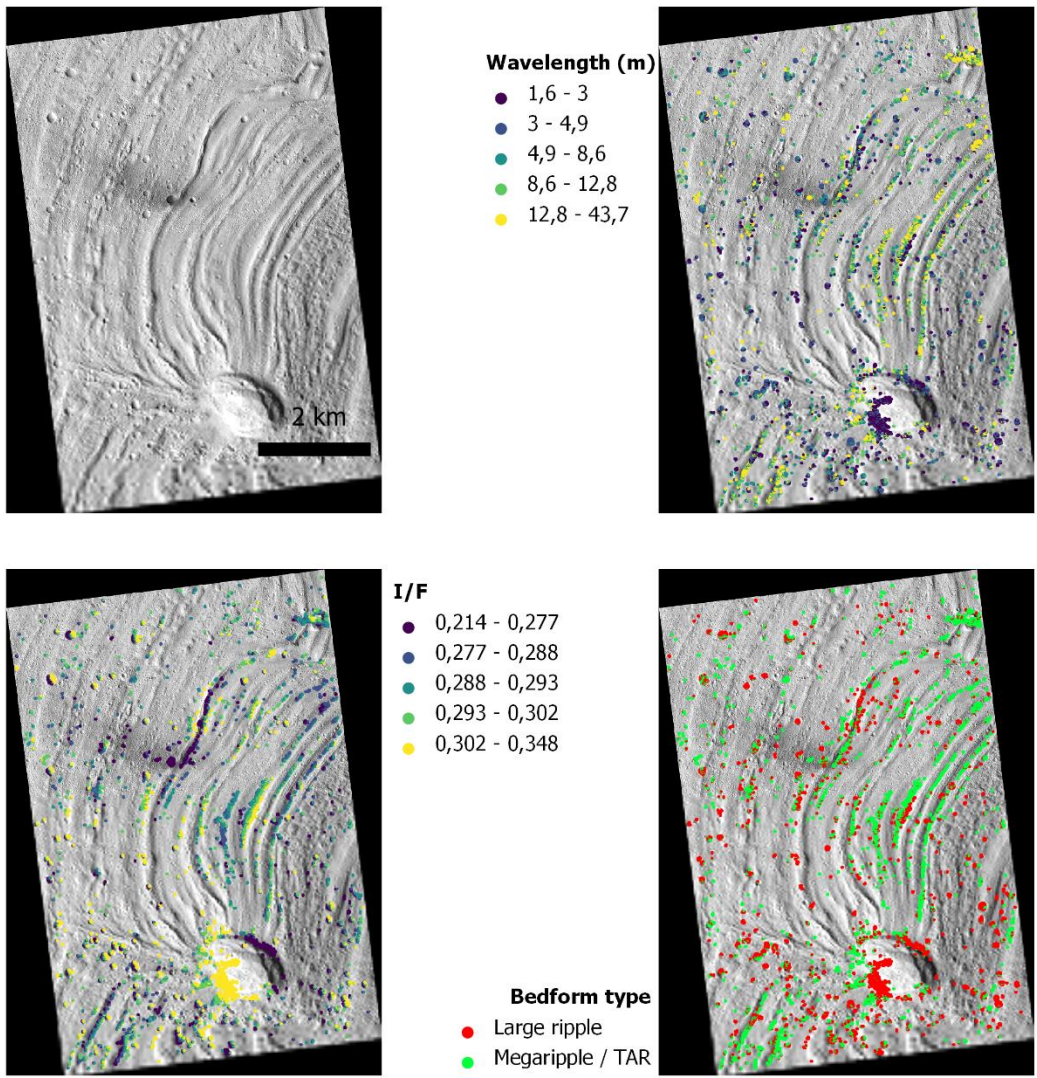
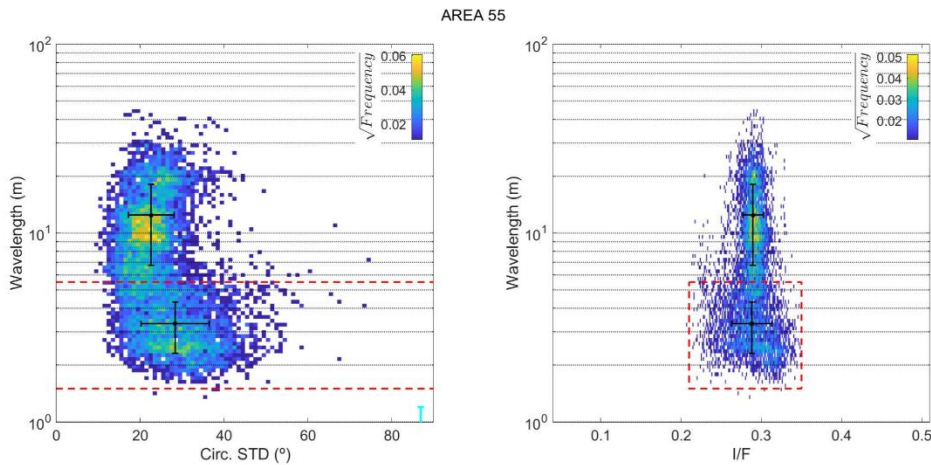
- 0,292 - 0,349
- 0,349 - 0,365
- 0,365 - 0,376
- 0,376 - 0,382
- 0,382 - 0,405

Bedform type

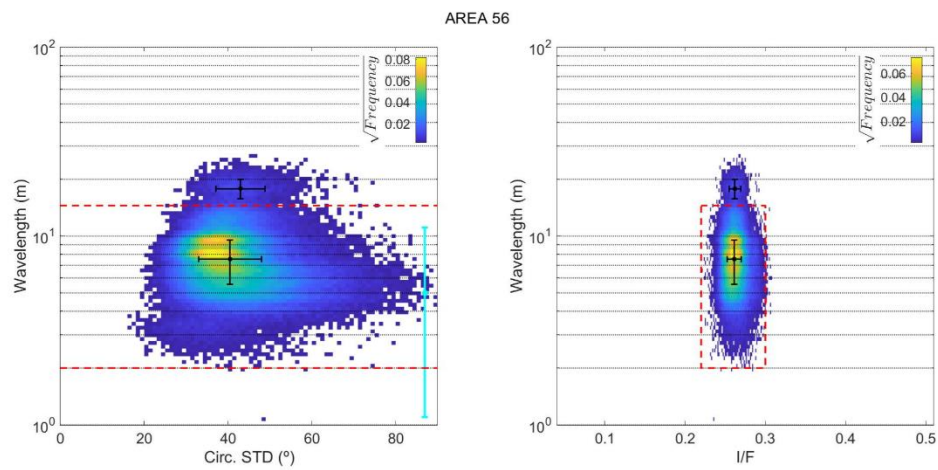
- Large ripple
- Megaripple / TAR



Area 55

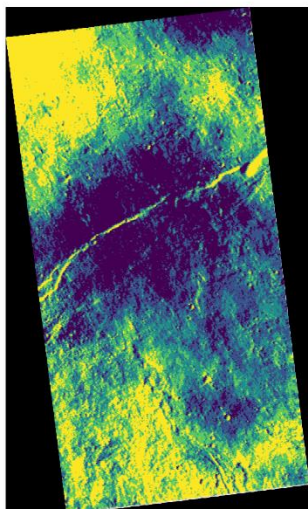
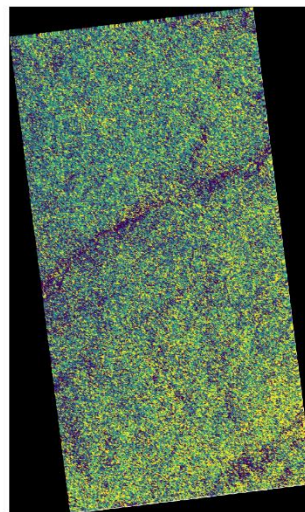


Area 56



Wavelength (m)

- 2 - 5,7
- 5,7 - 6,9
- 6,9 - 8,1
- 8,1 - 9,3
- 9,3 - 27

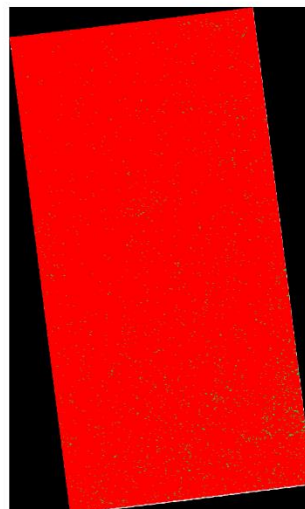


I/F

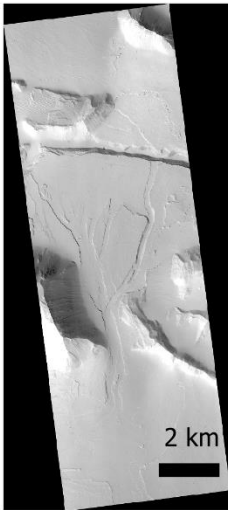
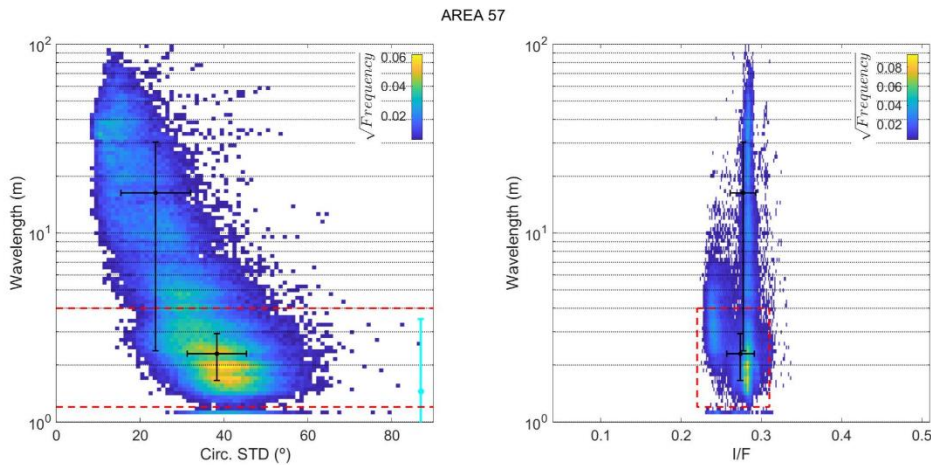
- 0,222 - 0,254
- 0,254 - 0,259
- 0,259 - 0,263
- 0,263 - 0,268
- 0,268 - 0,3

Bedform type

- Large ripple
- Megaripple / TAR

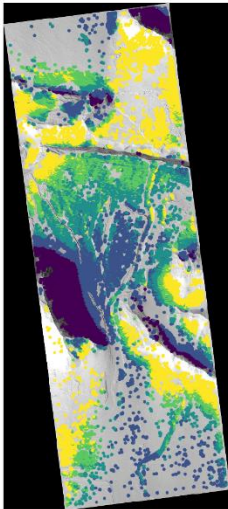
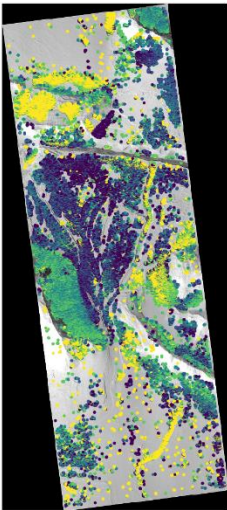


Area 57



Wavelength (m)

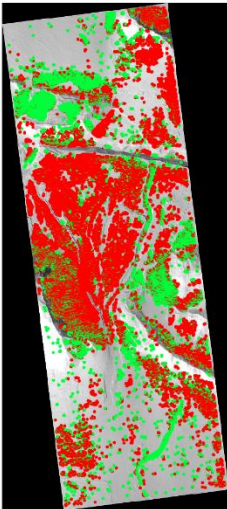
- 1,21 - 1,88
- 1,88 - 2,4
- 2,4 - 3,43
- 3,43 - 9,25
- 9,25 - 98,68



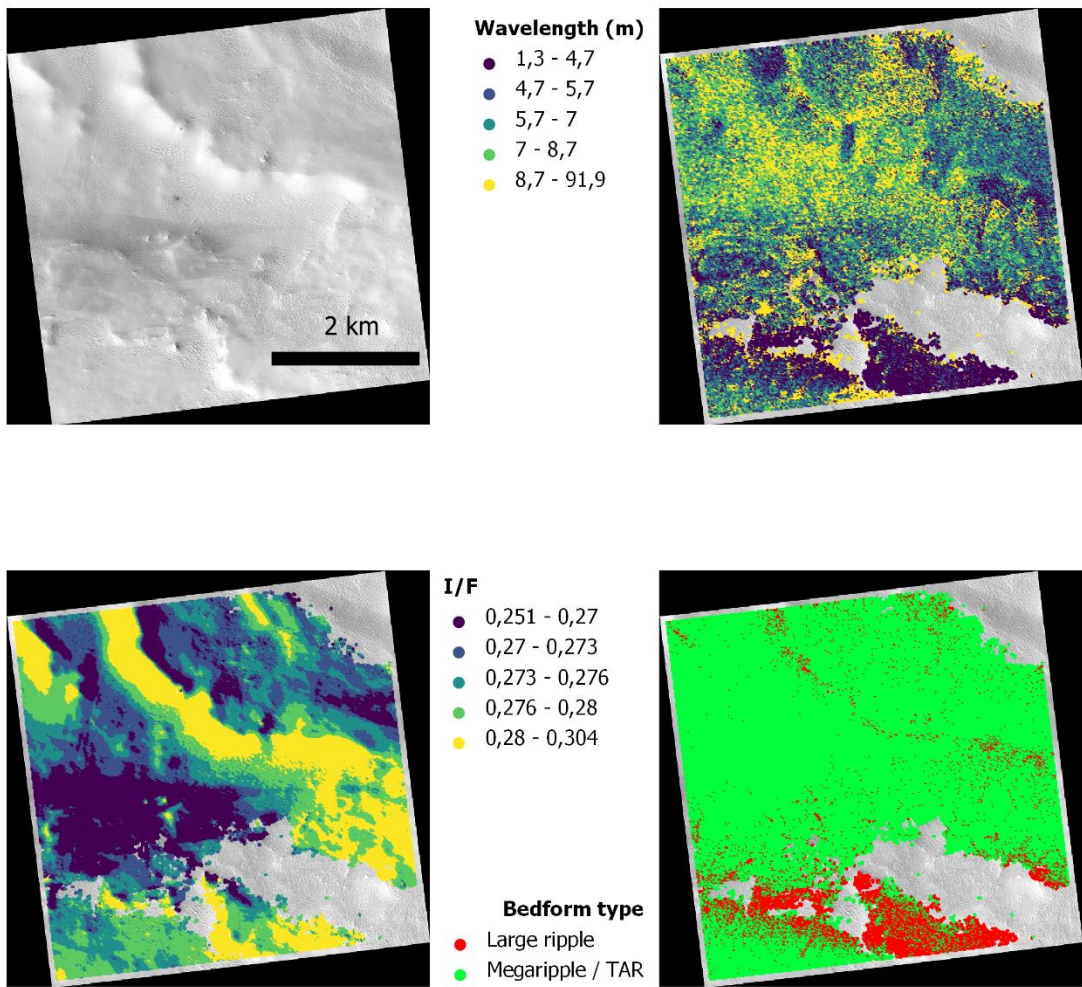
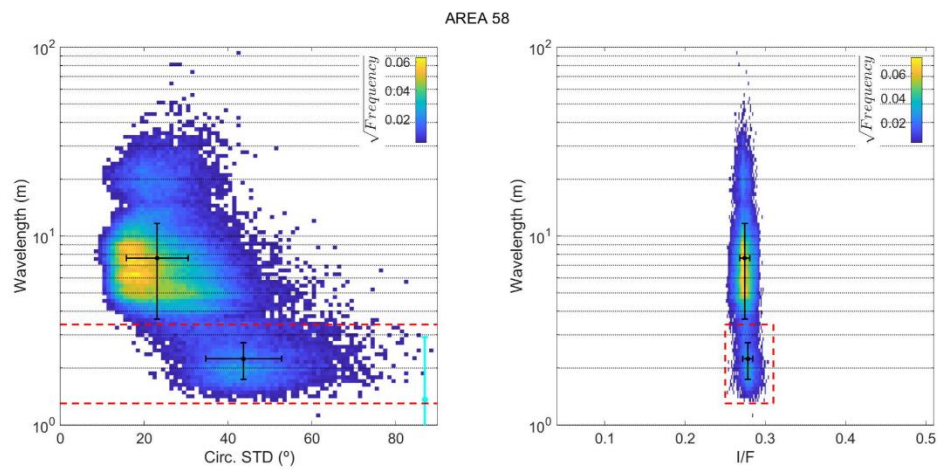
- I/F
- 0,224 - 0,263
 - 0,263 - 0,28
 - 0,28 - 0,283
 - 0,283 - 0,286
 - 0,286 - 0,332

Bedform type

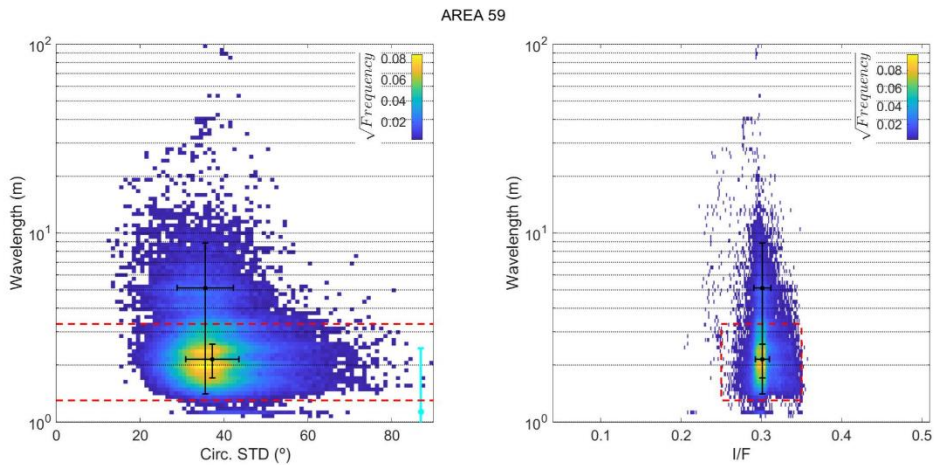
- Large ripple
- Megaripple / TAR



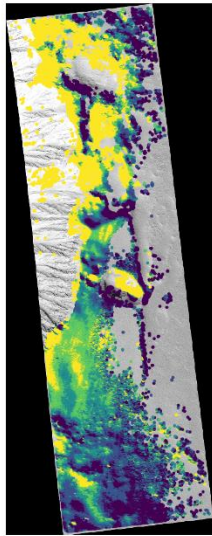
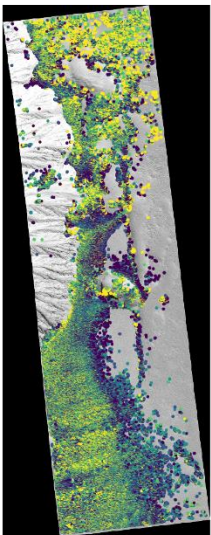
Area 58



Area 59

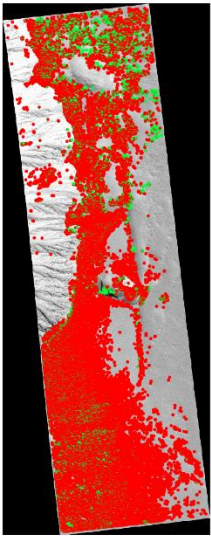


- Wavelength (m)**
- 1,3 - 1,78
 - 1,78 - 2
 - 2 - 2,31
 - 2,31 - 2,71
 - 2,71 - 106,3

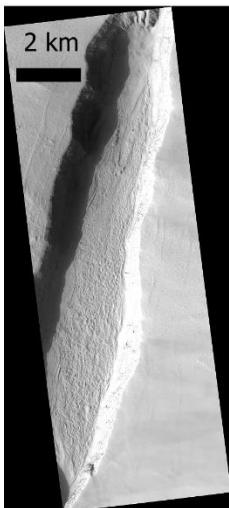
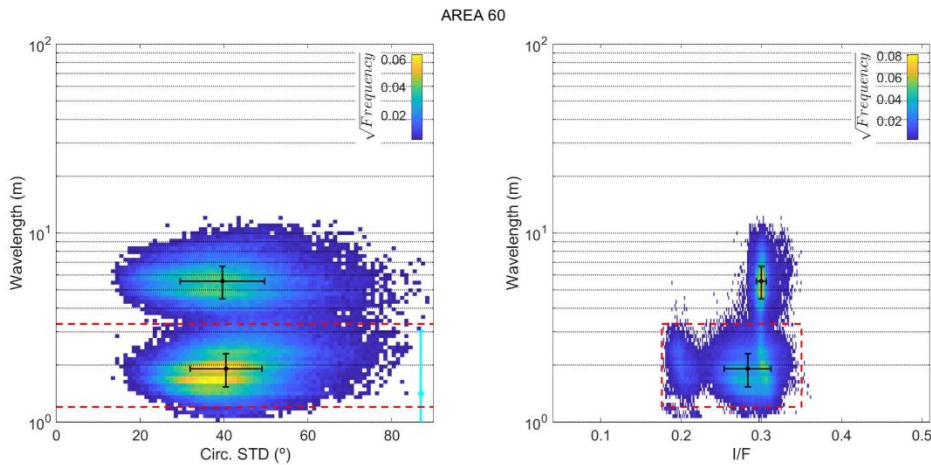


- I/F**
- 0,223 - 0,295
 - 0,295 - 0,299
 - 0,299 - 0,302
 - 0,302 - 0,305
 - 0,305 - 0,35

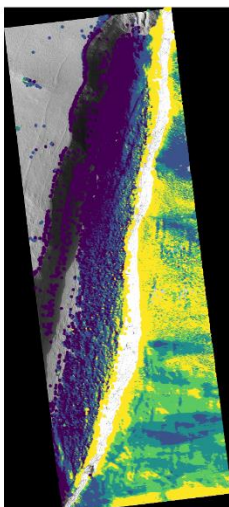
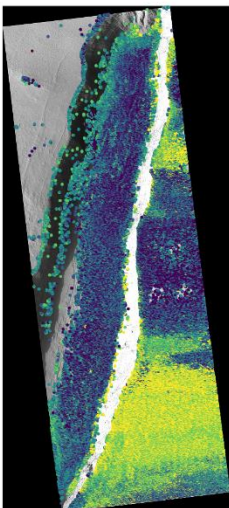
- Bedform type**
- Large ripple
 - Megaripple / TAR



Area 60

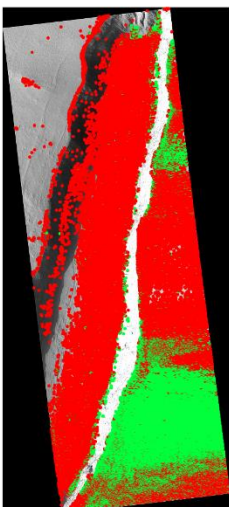


- Wavelength (m)**
- 1,2 - 1,68
 - 1,68 - 1,96
 - 1,96 - 2,53
 - 2,53 - 5,25
 - 5,25 - 12,2

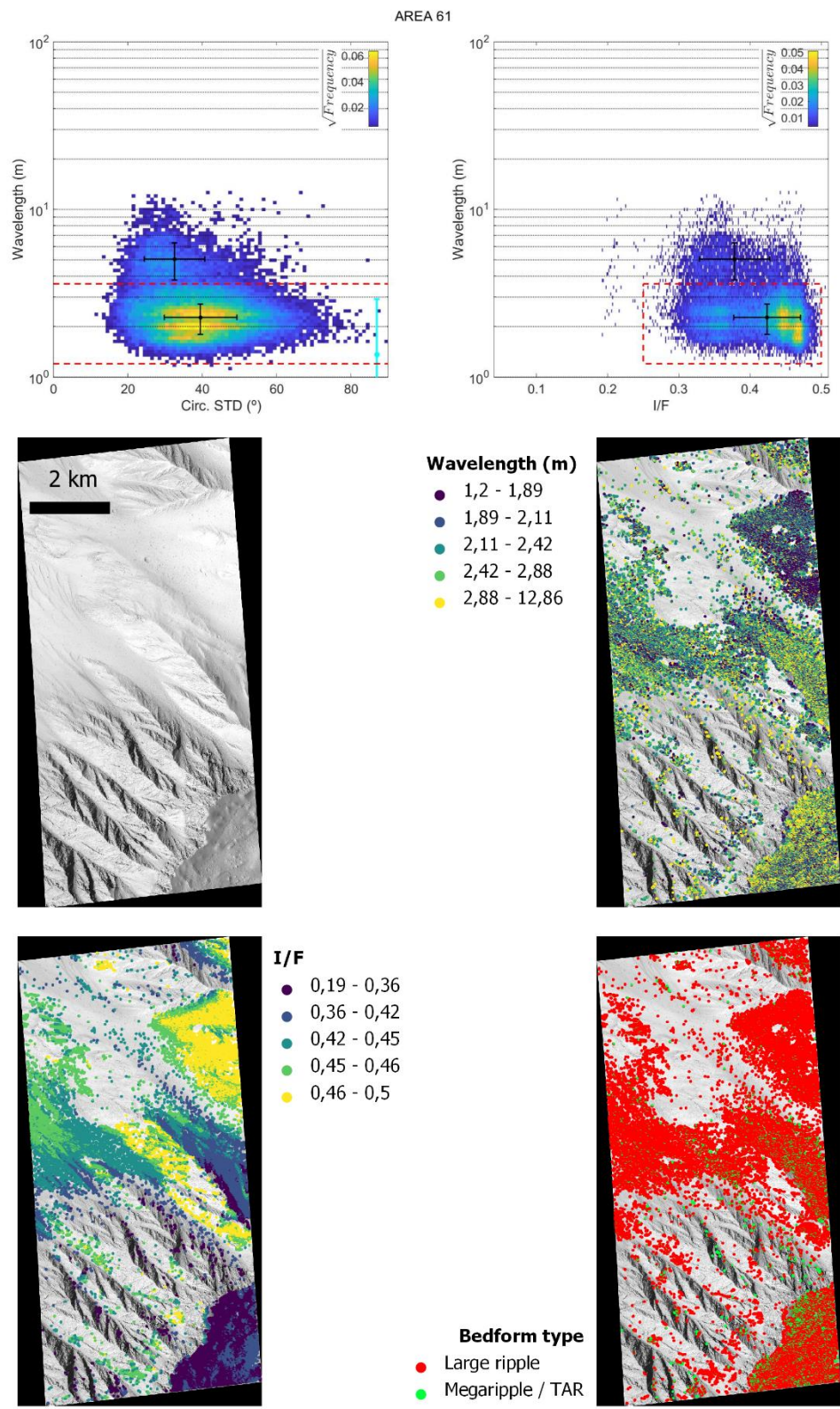


- I/F**
- 0,178 - 0,276
 - 0,276 - 0,295
 - 0,295 - 0,3
 - 0,3 - 0,303
 - 0,303 - 0,349

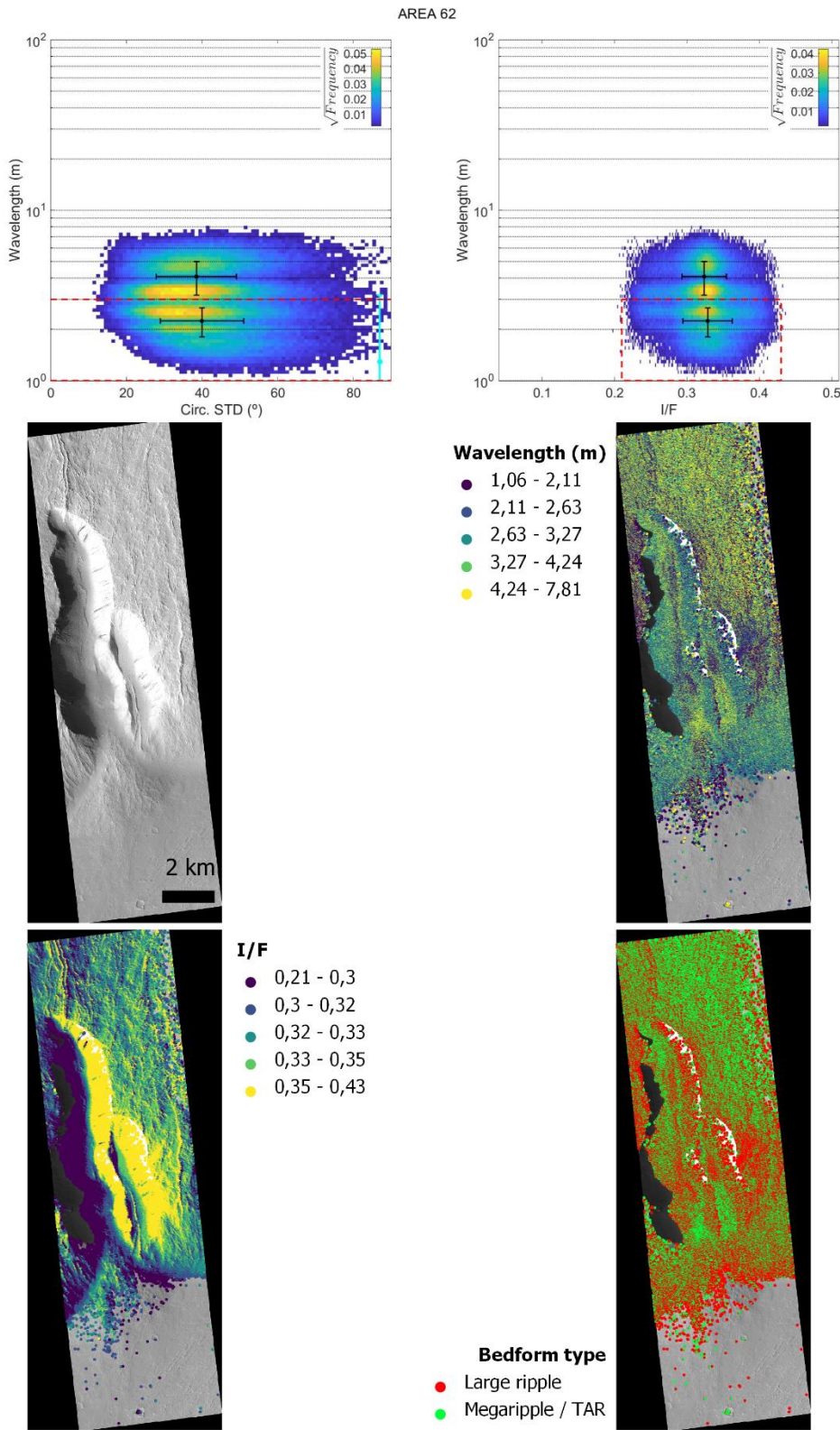
- Bedform type**
- Large ripple
 - Megaripple / TAR



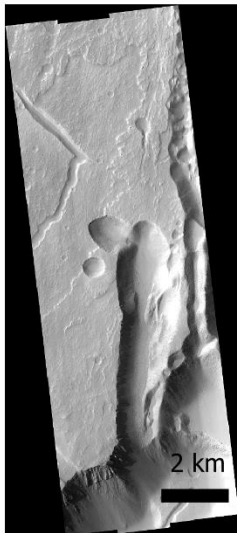
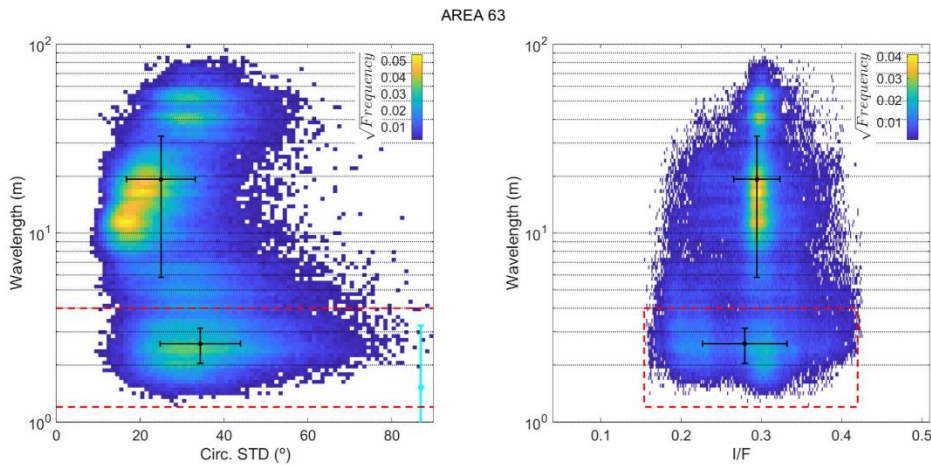
Area 61



Area 62

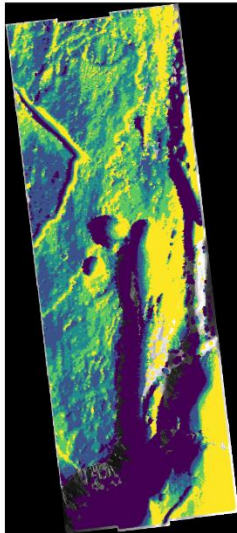
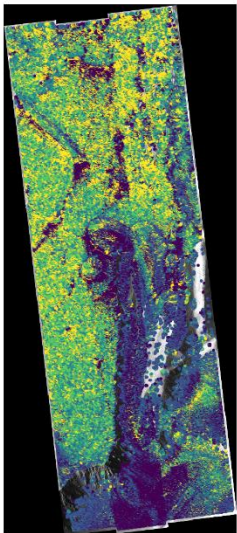


Area 63



Wavelength (m)

- 1,2 - 2,9
- 2,9 - 9
- 9 - 14
- 14 - 20,7
- 20,7 - 109,1

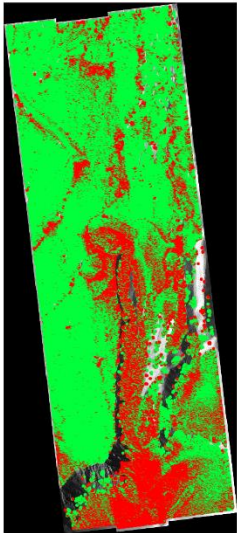


I/F

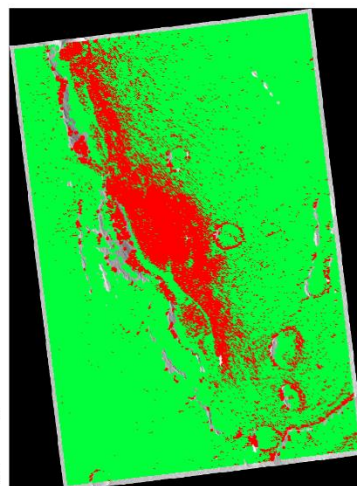
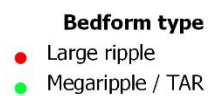
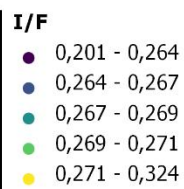
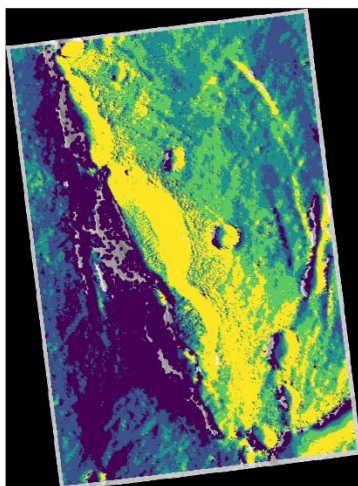
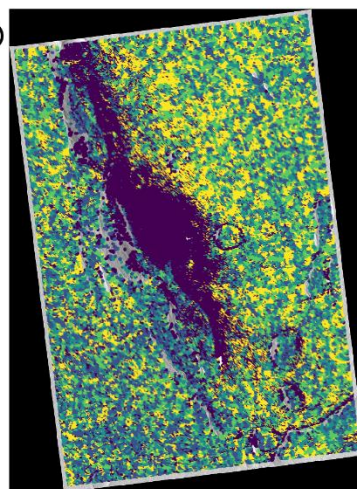
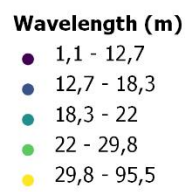
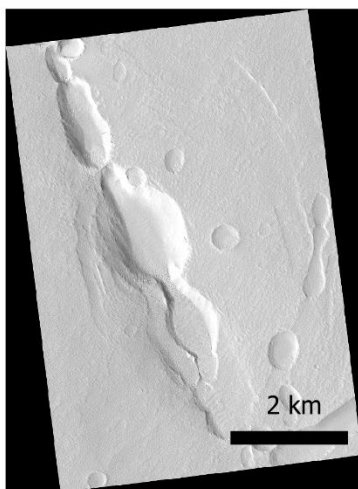
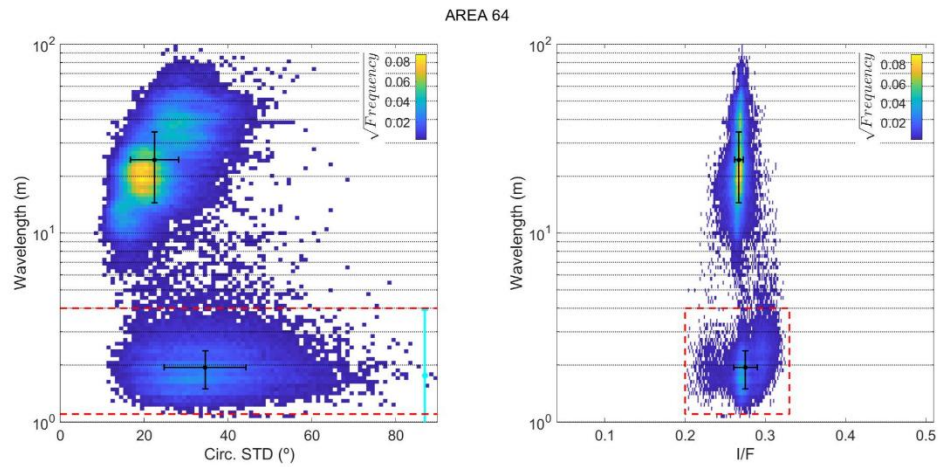
- 0,155 - 0,277
- 0,277 - 0,292
- 0,292 - 0,3
- 0,3 - 0,31
- 0,31 - 0,425

Bedform type

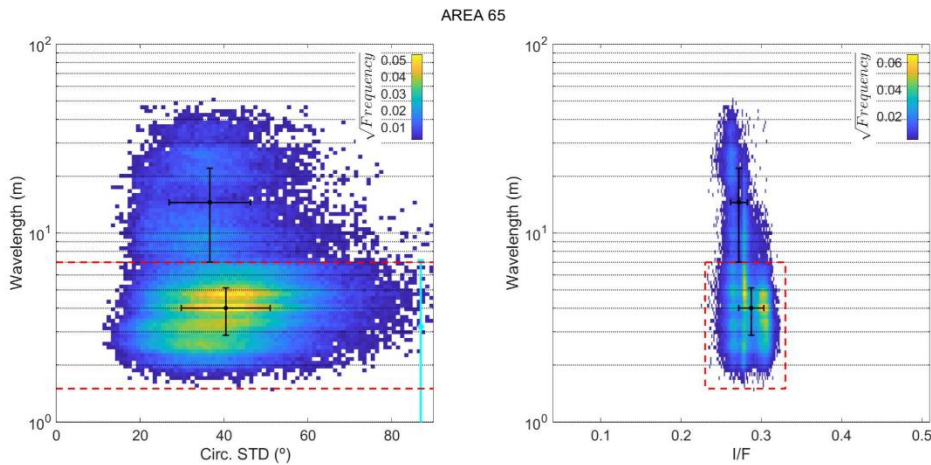
- Large ripple
- Megaripple / TAR



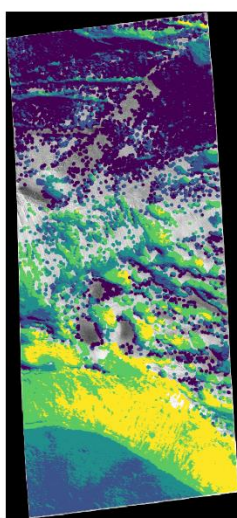
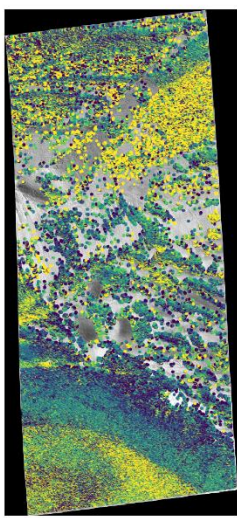
Area 64



Area 65

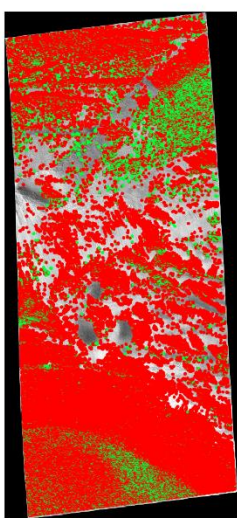


- Wavelength (m)**
- 1,51 - 3,06
 - 3,06 - 3,87
 - 3,87 - 4,6
 - 4,6 - 5,82
 - 5,82 - 49,8

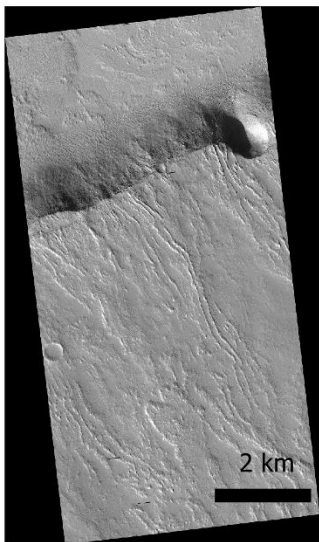
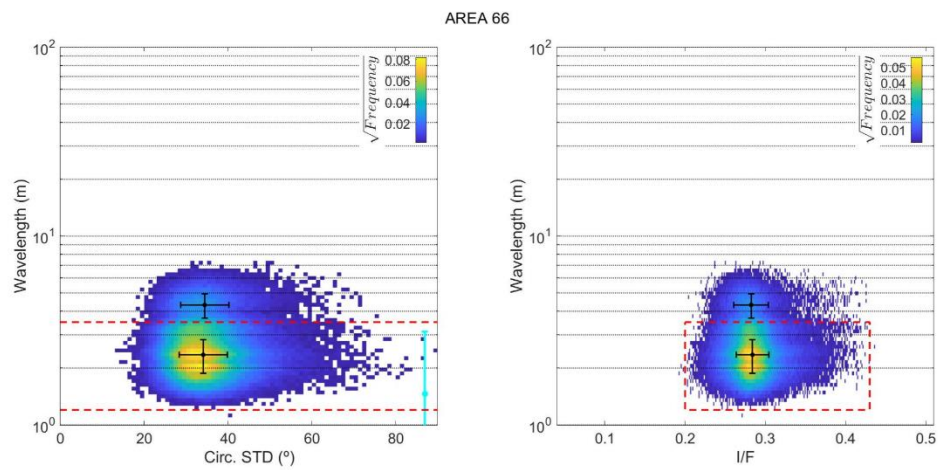


- I/F**
- 0,233 - 0,269
 - 0,269 - 0,279
 - 0,279 - 0,29
 - 0,29 - 0,303
 - 0,303 - 0,323

- Bedform type**
- Large ripple
 - Megaripple / TAR

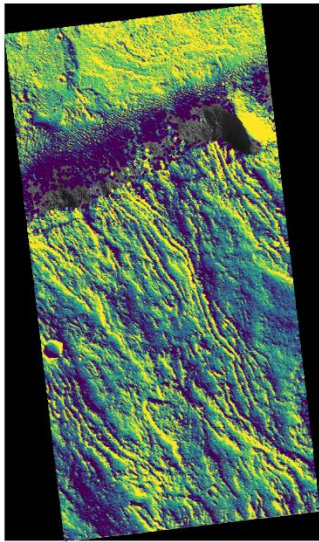
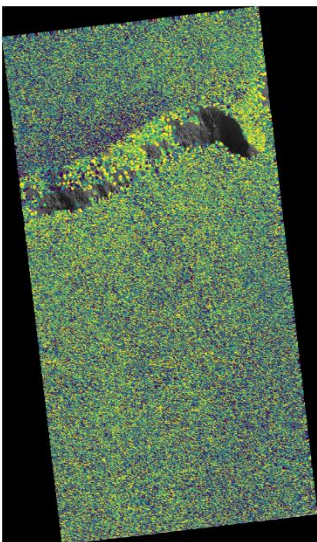


Area 66



Wavelength (m)

- 1,22 - 1,96
- 1,96 - 2,23
- 2,23 - 2,5
- 2,5 - 3,04
- 3,04 - 7,36

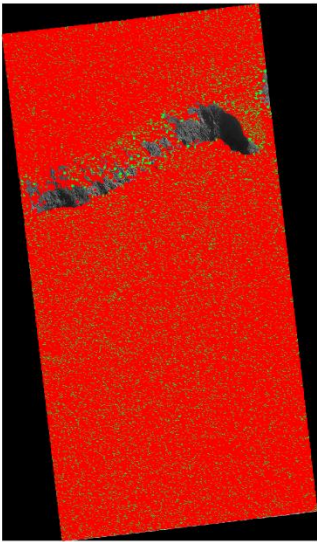


I/F

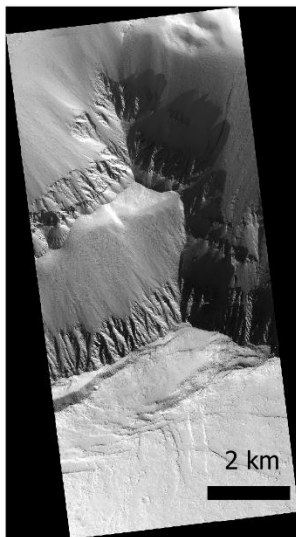
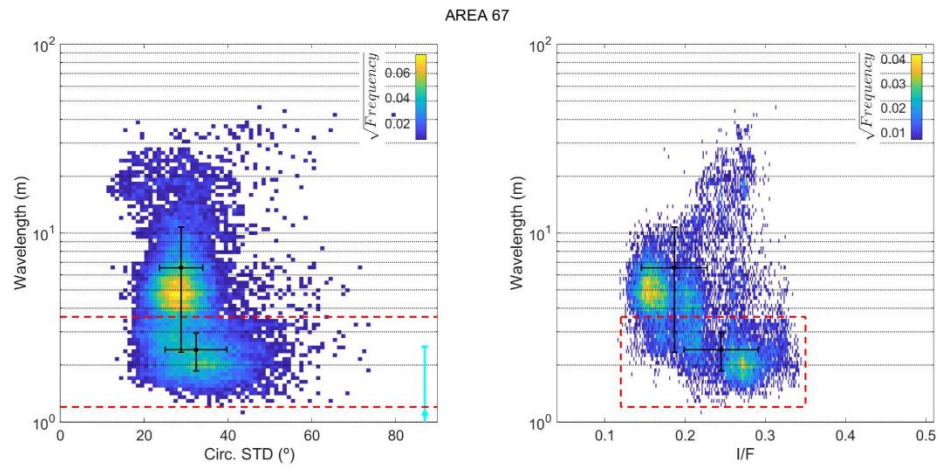
- 0,202 - 0,269
- 0,269 - 0,279
- 0,279 - 0,286
- 0,286 - 0,297
- 0,297 - 0,429

Bedform type

- Large ripple
- Megaripple / TAR

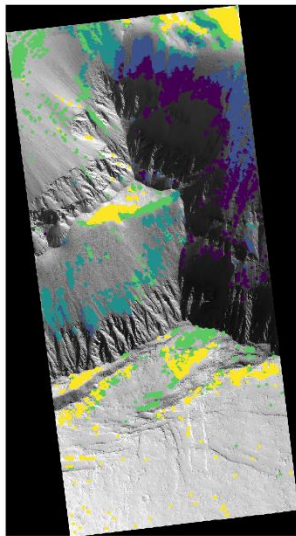
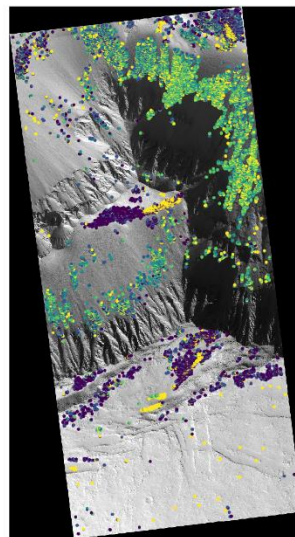


Area 67



Wavelength (m)

- 1,2 - 2,3
- 2,3 - 3,4
- 3,4 - 4,7
- 4,7 - 5,9
- 5,9 - 46,9

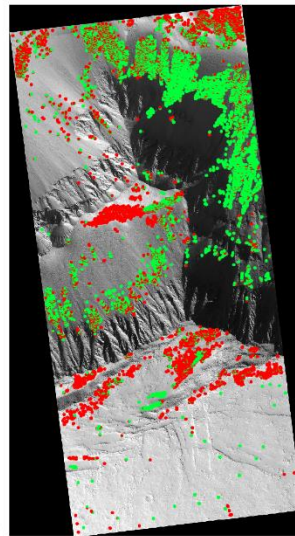


I/F

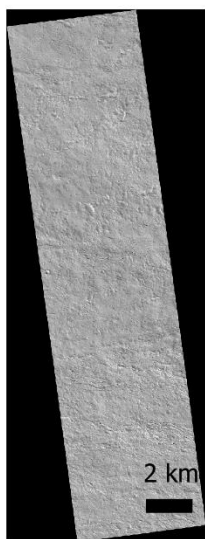
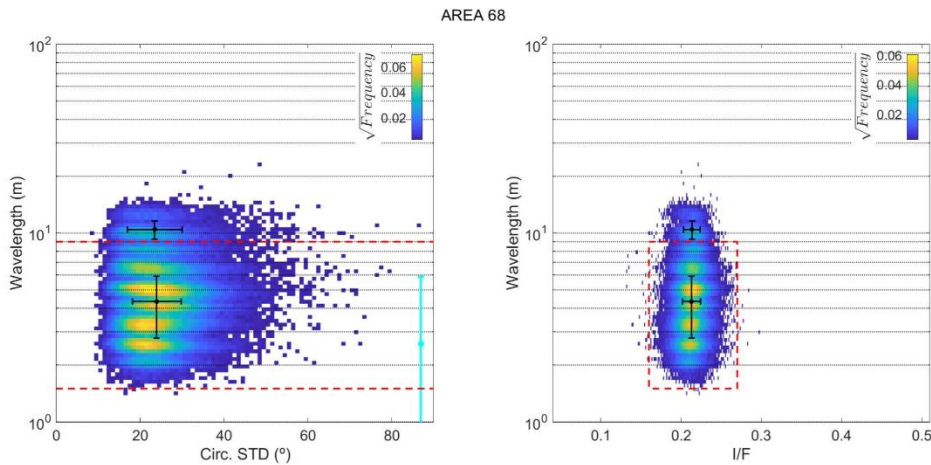
- 0,12 - 0,16
- 0,16 - 0,18
- 0,18 - 0,22
- 0,22 - 0,27
- 0,27 - 0,34

Bedform type

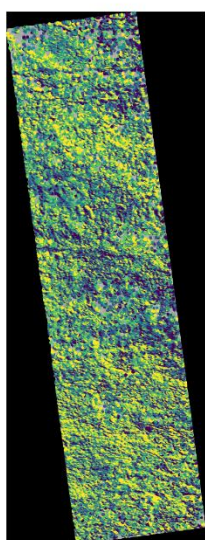
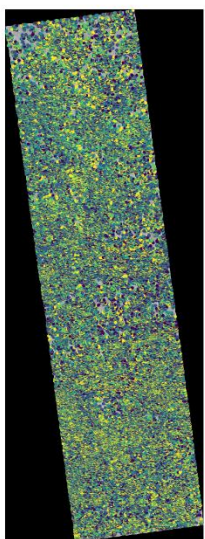
- Large ripple
- Megaripple / TAR



Area 68

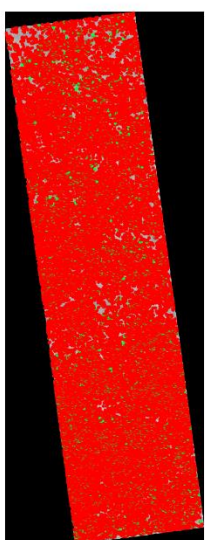


- Wavelength (m)**
- 1,5 - 2,95
 - 2,95 - 3,77
 - 3,77 - 4,85
 - 4,85 - 6,18
 - 6,18 - 23,22

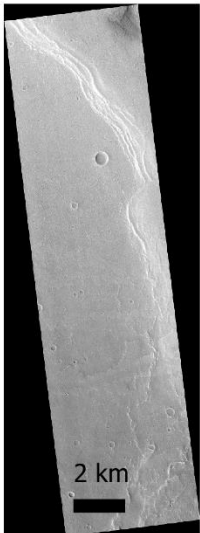
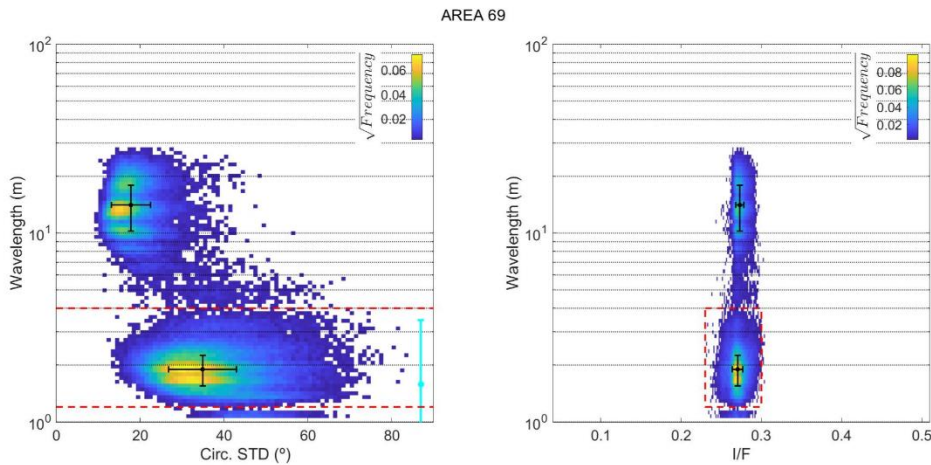


- I/F**
- 0,159 - 0,204
 - 0,204 - 0,21
 - 0,21 - 0,216
 - 0,216 - 0,222
 - 0,222 - 0,27

- Bedform type**
- Large ripple
 - Megaripple / TAR

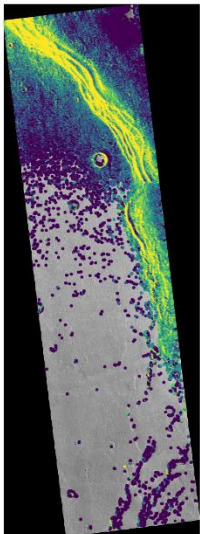
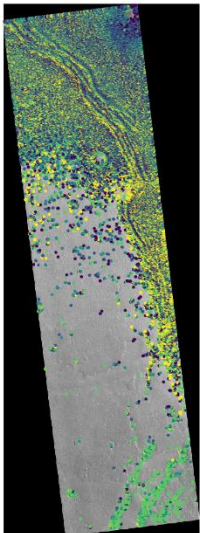


Area 69



Wavelength (m)

- 1,2 - 1,68
- 1,68 - 1,91
- 1,91 - 2,23
- 2,23 - 12,36
- 12,36 - 28,16

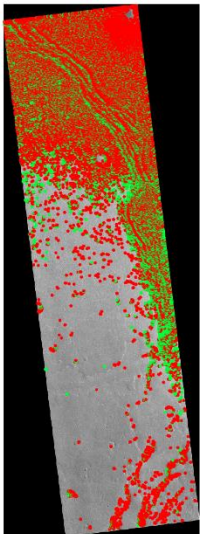


I/F

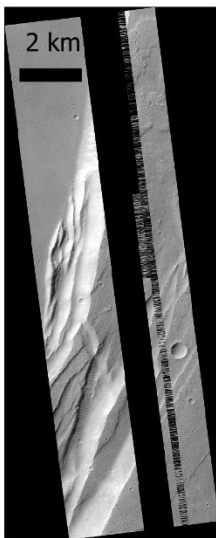
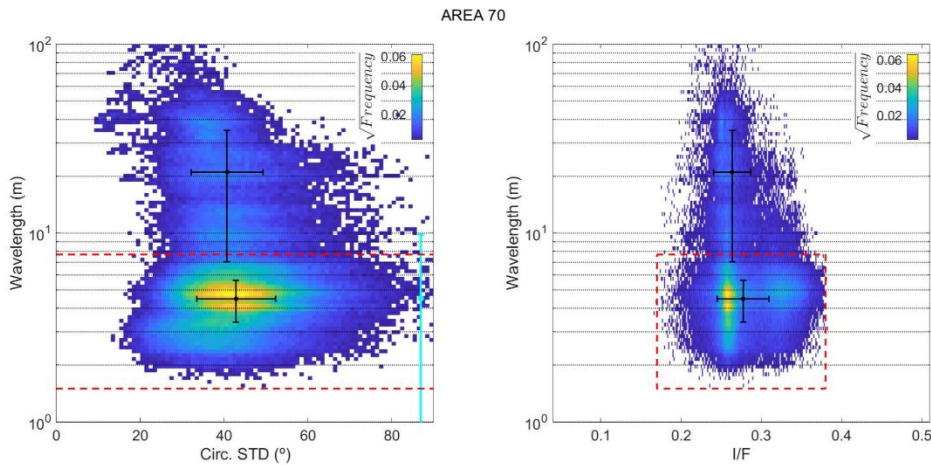
- 0,231 - 0,267
- 0,267 - 0,27
- 0,27 - 0,272
- 0,272 - 0,276
- 0,276 - 0,303

Bedform type

- Large ripple
- Megaripple / TAR

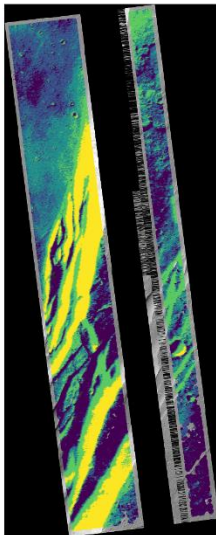
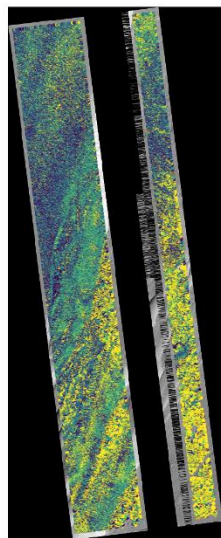


Area 70



Wavelength (m)

- 1,55 - 3,68
- 3,68 - 4,47
- 4,47 - 5,09
- 5,09 - 6,7
- 6,7 - 204,89

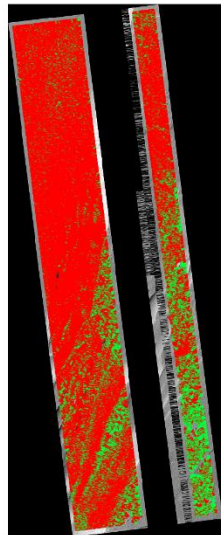


I/F

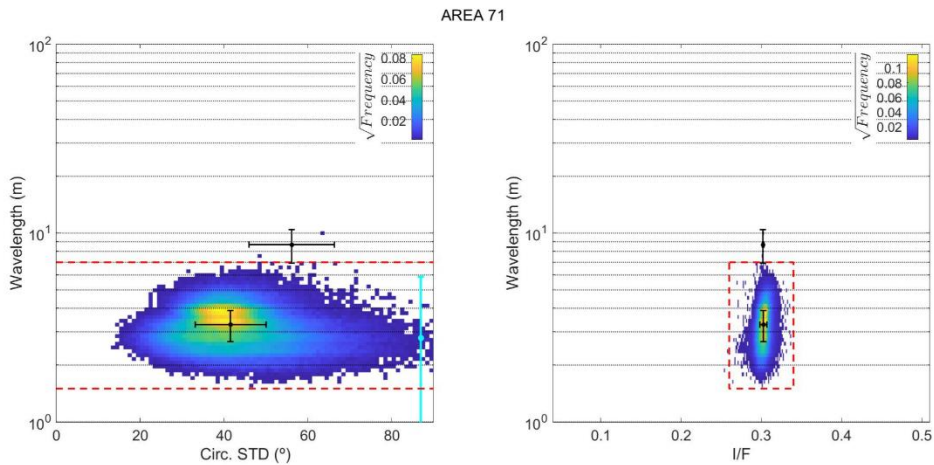
- 0,172 - 0,254
- 0,254 - 0,259
- 0,259 - 0,267
- 0,267 - 0,307
- 0,307 - 0,38

Bedform type

- Large ripple
- Megaripple / TAR

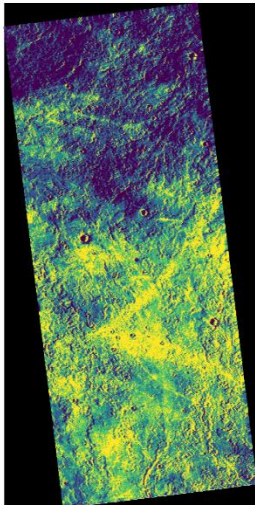
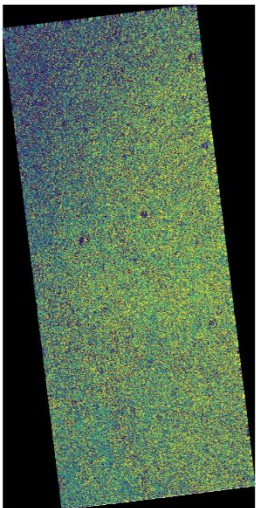


Area 71



Wavelength (m)

- 1,58 - 2,71
- 2,71 - 3,08
- 3,08 - 3,43
- 3,43 - 3,84
- 3,84 - 9,9

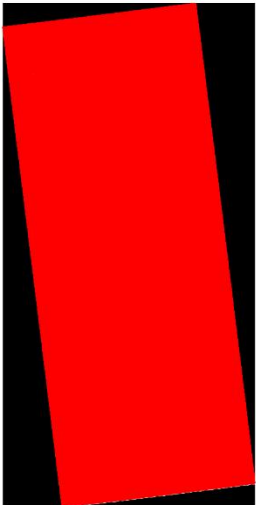


I/F

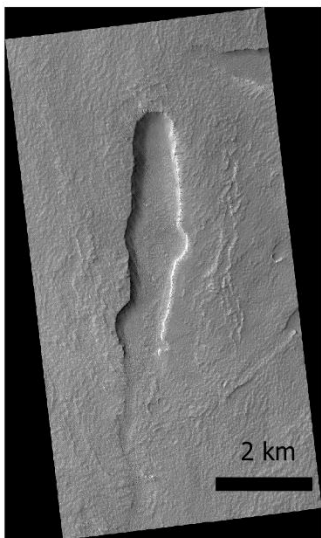
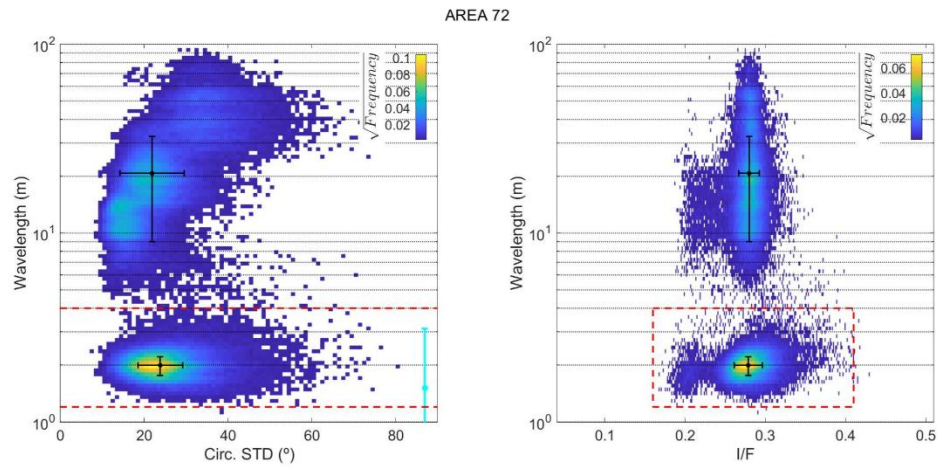
- 0,265 - 0,299
- 0,299 - 0,302
- 0,302 - 0,304
- 0,304 - 0,306
- 0,306 - 0,336

Bedform type

- Large ripple
- Megaripple / TAR

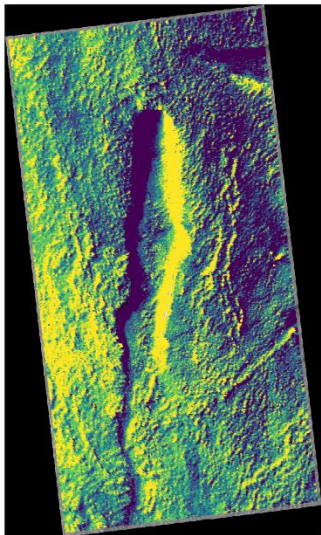
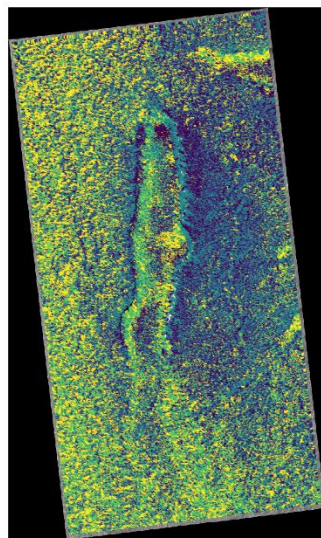


Area 72



Wavelength (m)

- 1,22 - 1,92
- 1,92 - 2,1
- 2,1 - 10,72
- 10,72 - 18,69
- 18,69 - 93,78

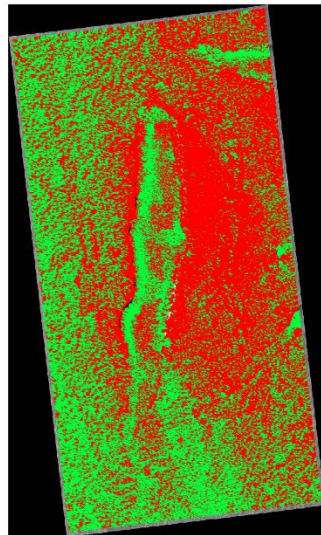


I/F

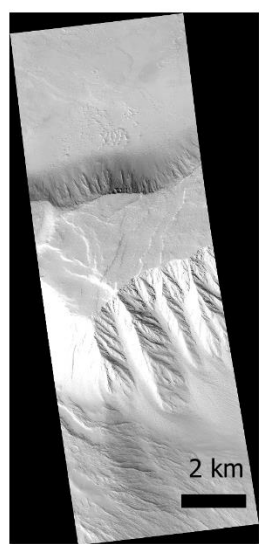
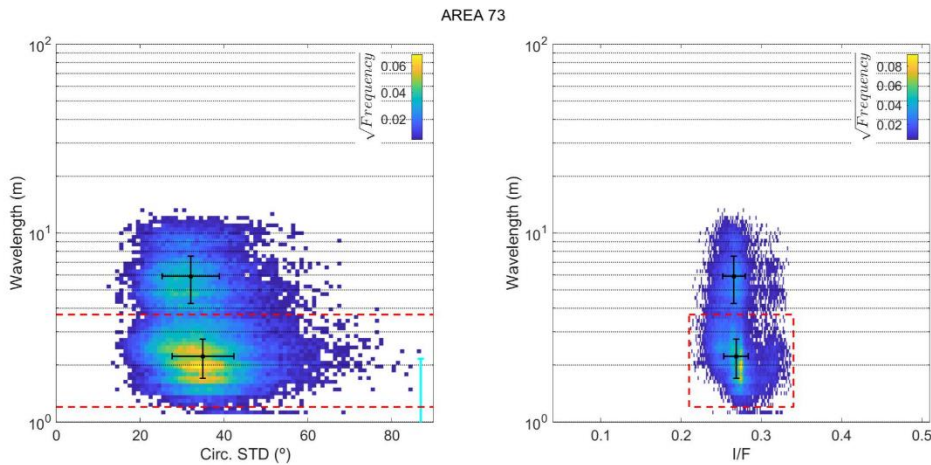
- 0,168 - 0,269
- 0,269 - 0,277
- 0,277 - 0,282
- 0,282 - 0,289
- 0,289 - 0,41

Bedform type

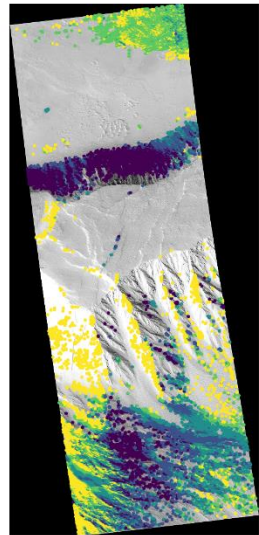
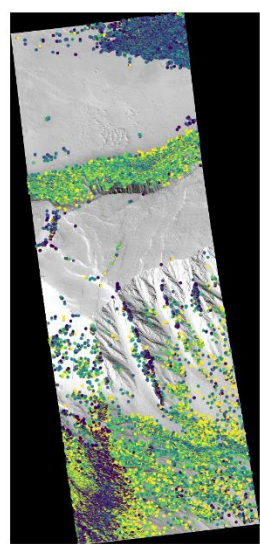
- Large ripple
- Megaripple / TAR



Area 73

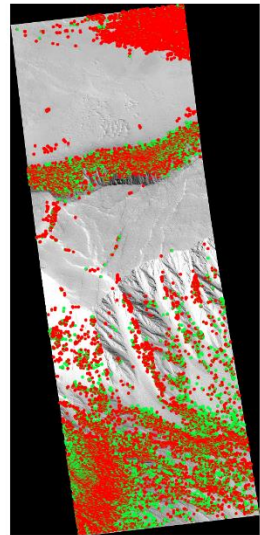


- Wavelength (m)**
- 1,2 - 1,87
 - 1,87 - 2,23
 - 2,23 - 2,74
 - 2,74 - 4,78
 - 4,78 - 13,36

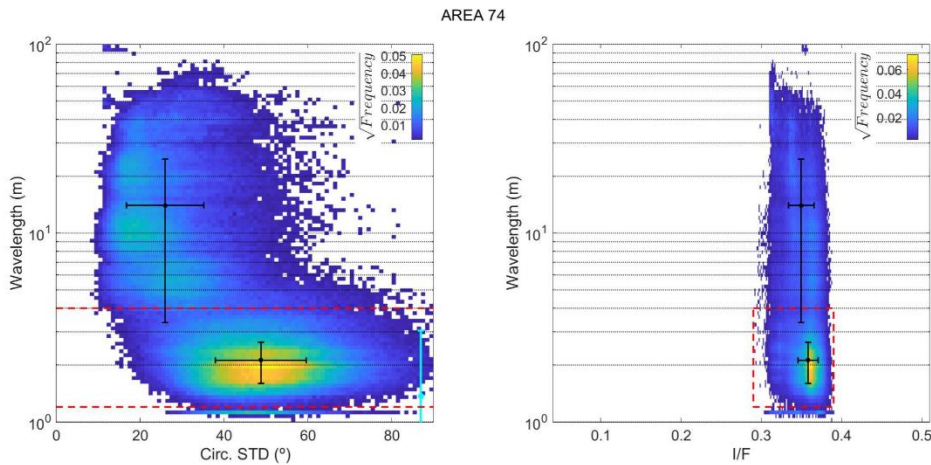


- I/F**
- 0,212 - 0,257
 - 0,257 - 0,266
 - 0,266 - 0,272
 - 0,272 - 0,276
 - 0,276 - 0,337

- Bedform type**
- Large ripple
 - Megaripple / TAR

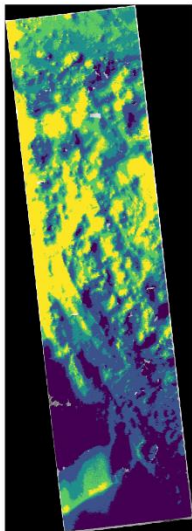
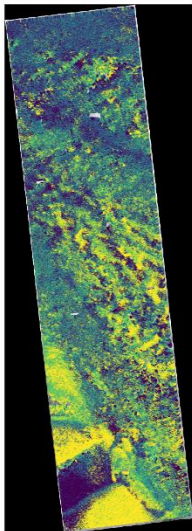


Area 74



Wavelength (m)

- 1,2 - 1,8
- 1,8 - 2,11
- 2,11 - 2,86
- 2,86 - 8,56
- 8,56 - 99,03

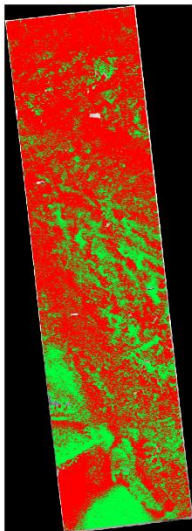


I/F

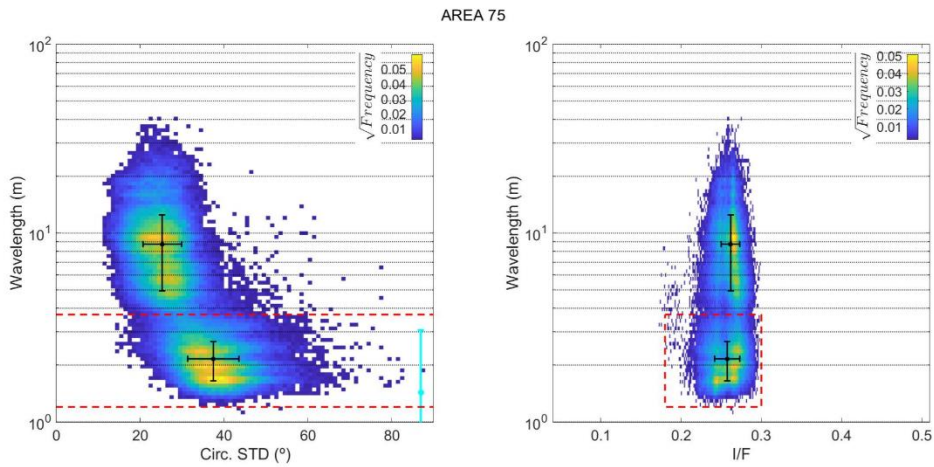
- 0,292 - 0,344
- 0,344 - 0,356
- 0,356 - 0,361
- 0,361 - 0,366
- 0,366 - 0,389

Bedform type

- Large ripple
- Megaripple / TAR

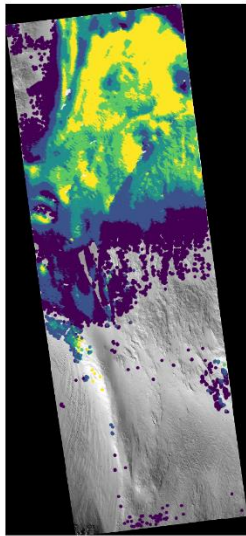
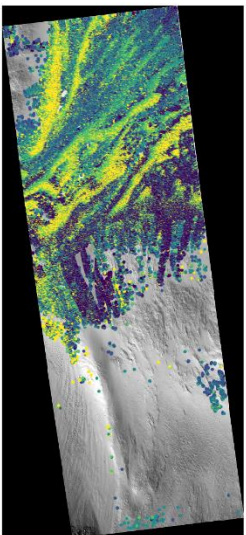


Area 75



Wavelength (m)

- 1,2 - 1,95
- 1,95 - 2,7
- 2,7 - 5,78
- 5,78 - 9,23
- 9,23 - 41,3



I/F

- 0,174 - 0,247
- 0,247 - 0,259
- 0,259 - 0,265
- 0,265 - 0,271
- 0,271 - 0,298

Bedform type

- Large ripple
- Megaripple / TAR

