Resultat du segmentation_N

1 : Etude avec Gerard/N/ 02-10-2015 1_A0_1042-1099x152-657

Figure originale 02-10-2015 $1_A0_1$042-1099x152-657

figure after preprocessing

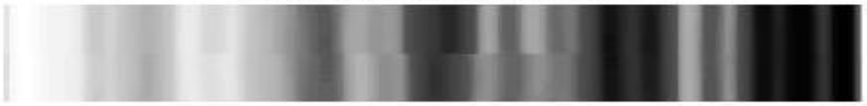
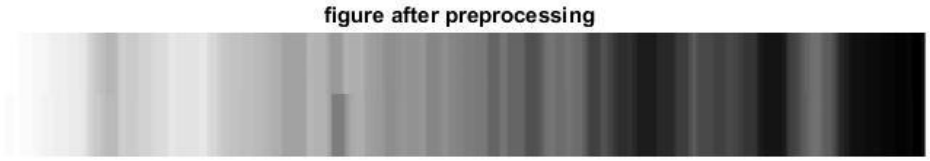


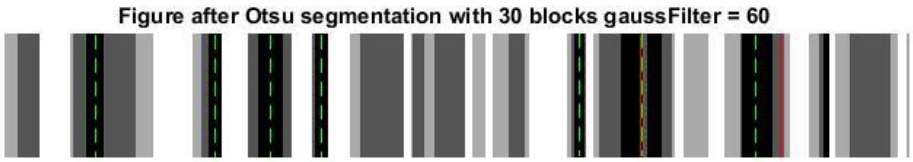
Figure after Otsu segmentation with 40 blocks gaussFilter = 20

There is no givenBands

ourBands=[145 188 222 252 300 345 386 417 446]

2. Etude avec Gerard/N/ 02-10-2015 1_A0_1225-1289x172-662





FN (Band oublie) =0; FP (Band ajoute) =5; match band = 2

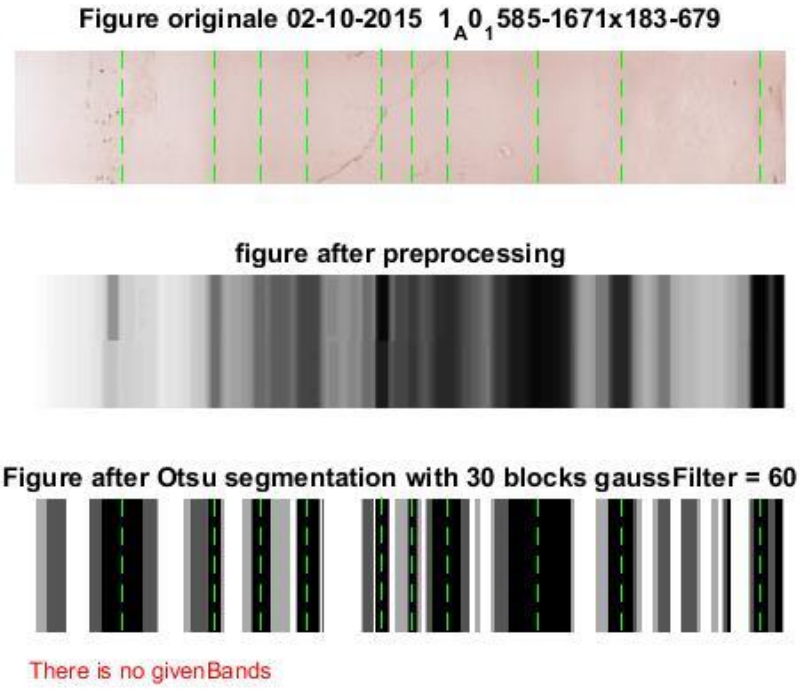
gaussFilter = 60; nbrBlock = 30; rectangleSize = [3 5]

matchBands=[349 423]

Accuracy = 0.2857

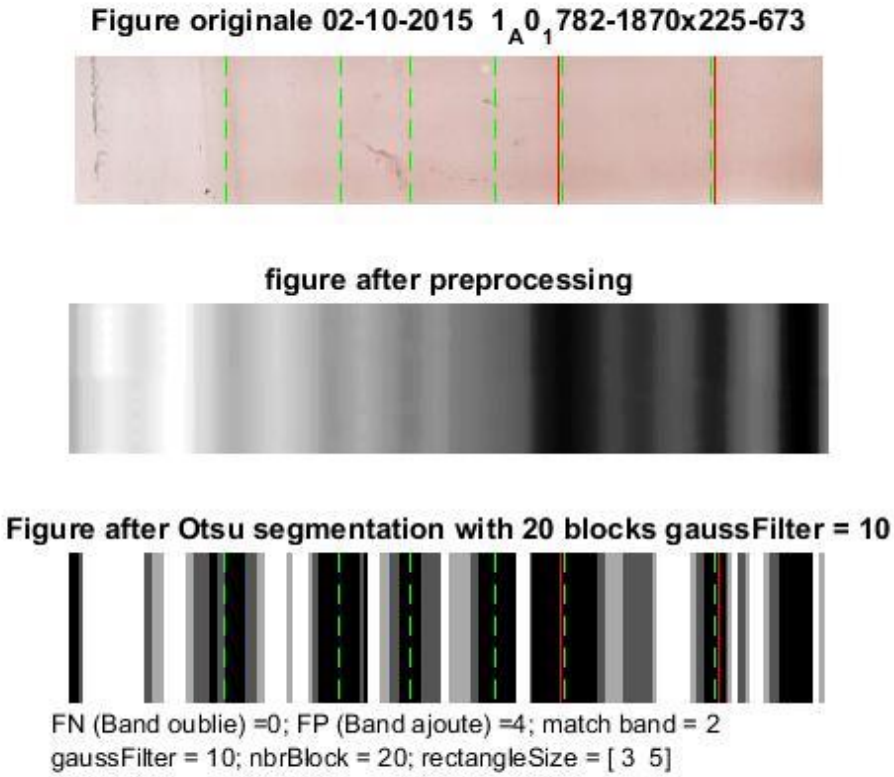
$$confusionMatrix = \begin{matrix} 2 & 0 \\ 5 & 0 \end{matrix}$$

3. Etude avec Gerard/N/ 02-10-2015 1_A0_1585-1671x183-679.jpg



ourBands=[70 129 159 189 237 257 279 338 391 481]

4. Etude avec Gerard/N/ 02-10-2015 1_A0_1782-1870x225-673.jpg

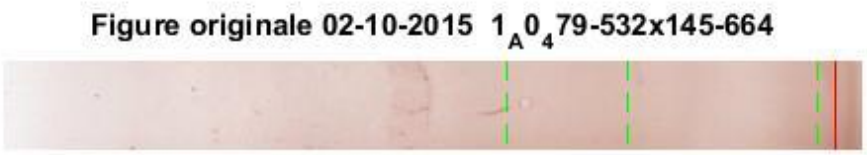


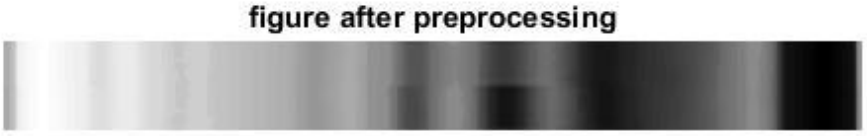
matchBands=[291 385]

Accuracy = 0.3333

$$confusionMatrix = \begin{matrix} 2 & 0 \\ 4 & 0 \end{matrix}$$

5. Etude avec Gerard/N/ 02-10-2015 1_A0_479-532x145-664





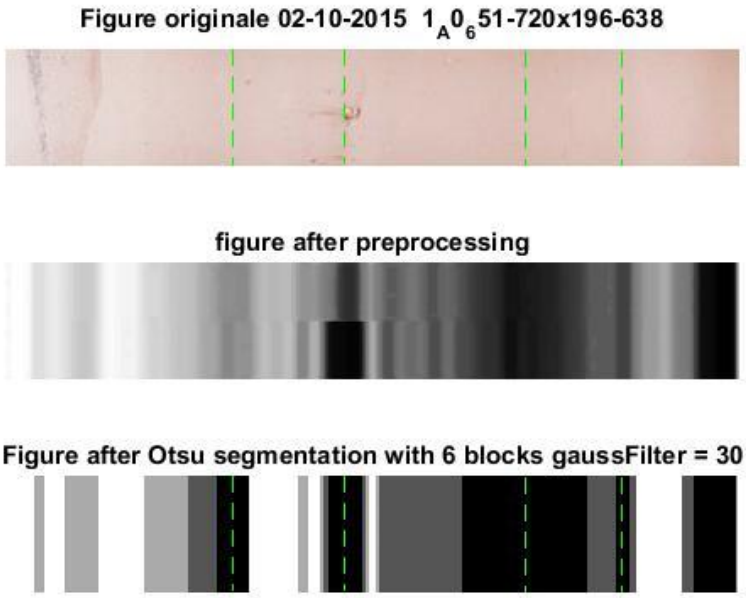
FN (Band oublie) =0; FP (Band ajoute) =2; match band = 1
gaussFilter = 10; nbrBlock = 2; rectangleSize = [3 5]

matchBands=[504]

Accuracy = 0.3333

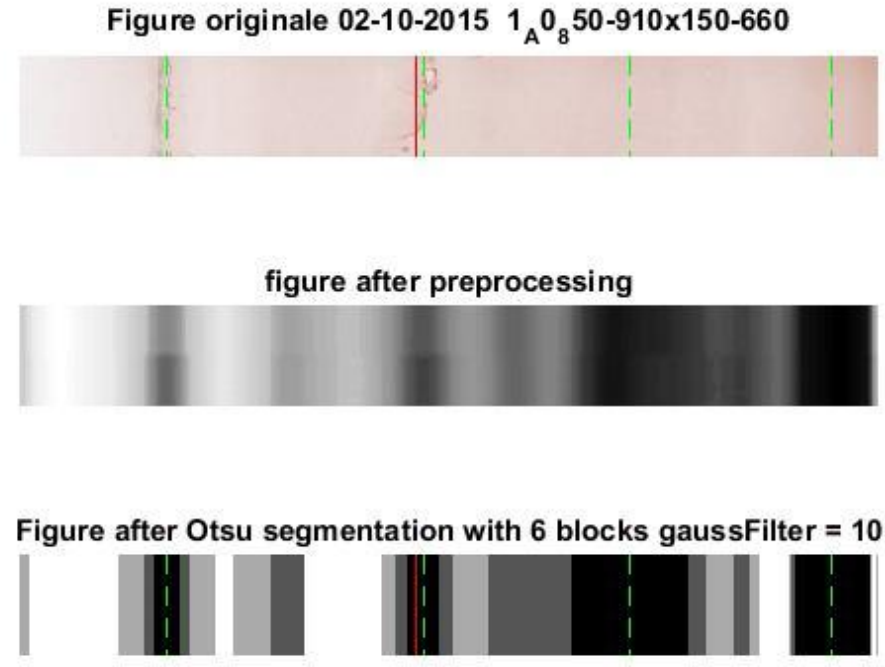
$$confusionMatrix = \begin{matrix} 1 & 0 \\ 2 & 0 \end{matrix}$$

6. Etude avec Gerard/N/ 02-10-2015 1_A0_651-720x196-638



ourBands=[138 205 314 373]

7. Etude avec Gerard/N/ 02-10-2015 1_A0_850-910x150-660



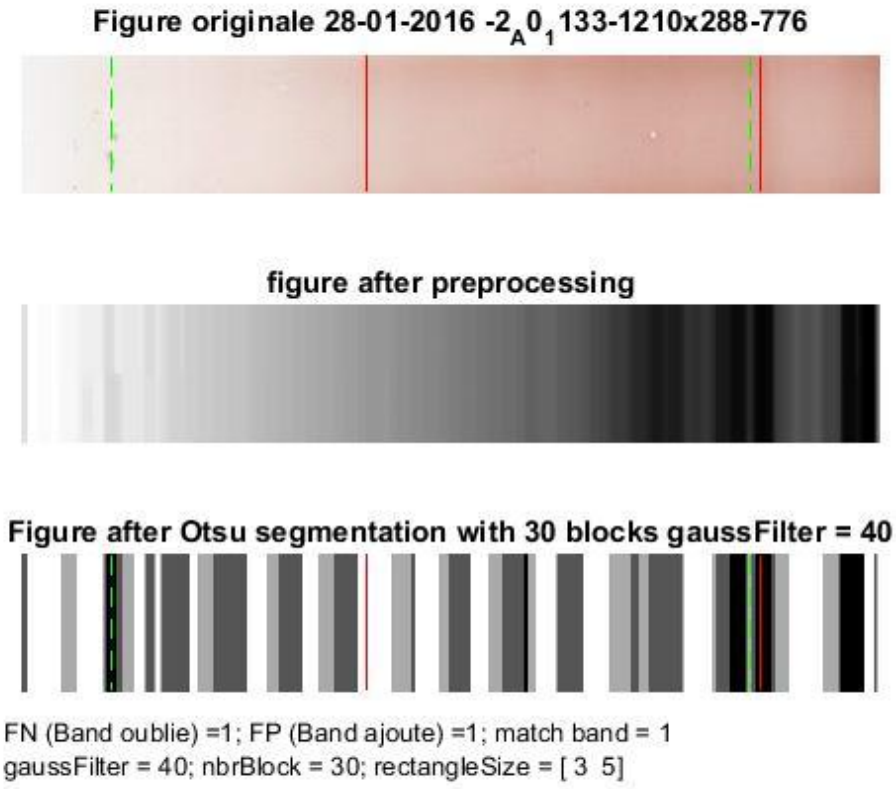
FN (Band oublie) =0; FP (Band ajoute) =3; match band = 1
gaussFilter = 10; nbrBlock = 6; rectangleSize = [3 5]

matchBands=[237]

Accuracy = 0.25

$$confusionMatrix = \begin{matrix} 1 & 0 \\ 3 & 0 \end{matrix}$$

8. Etude avec Gerard/N/ 28-01-2016 -2_A0_1133-1210x288-776



matchBands=[421]

Accuracy = 0.33

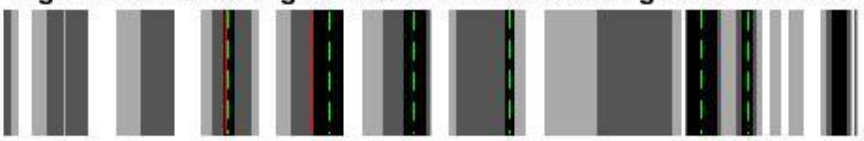
$$confusionMatrix = \begin{matrix} 1 & 1 \\ 1 & 0 \end{matrix}$$

9. Etude avec Gerard/N/28-01-2016 -2_A0_1506-1575x290-773

Figure originale 28-01-2016 -2_A0_1506-1575x290-773

figure after preprocessing

Figure after Otsu segmentation with 20 blocks gaussFilter = 20



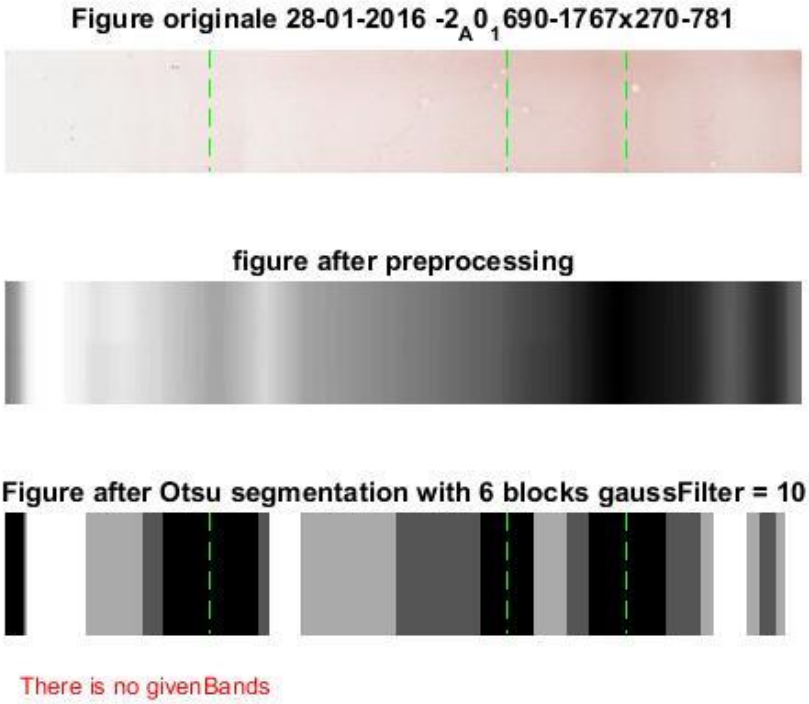
FN (Band oublie) =0; FP (Band ajoute) =4; match band = 2
gaussFilter = 20; nbrBlock = 20; rectangleSize = [3 5]

matchBands=[126 175]

Accuracy = 0.33

$$confusionMatrix = \begin{matrix} 2 & 0 \\ 4 & 0 \end{matrix}$$

10. Etude avec Gerard/N/ 28-01-2016 -2_A0_1690-1767x270-781



ourBands=[132 323 400]

11. Etude avec Gerard/N/28-01-2016 -2_A0_214-283x307-810.

Figure originale 28-01-2016 -2$_A$0$_2$14-283x307-810

figure after preprocessing

Figure after Otsu segmentation with 30 blocks gaussFilter = 120

FN (Band oublie) =0; FP (Band ajoute) =4; match band = 2
gaussFilter = 120; nbrBlock = 30; rectangleSize = [3 5]

matchBands=[85 123]

Accuracy = 0.33

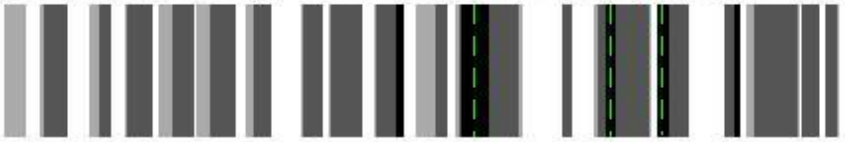
$$confusionMatrix = \begin{matrix} 2 & 0 \\ 4 & 0 \end{matrix}$$

12. Etude avec Gerard/N/29-01-2015001_A0_1314-1379x368-796

Figure originale 29-01-2015001$_A0_1$314-1379x368-796

figure after preprocessing

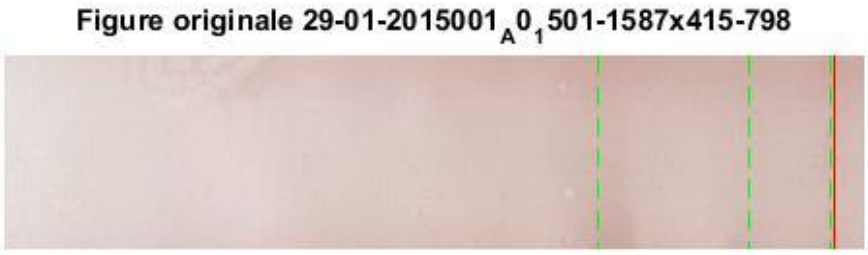
Figure after Otsu segmentation with 40 blocks gaussFilter = 40

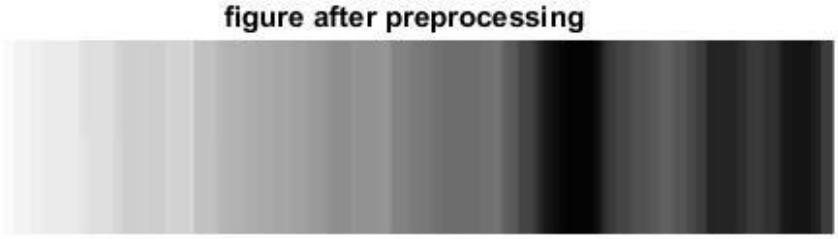


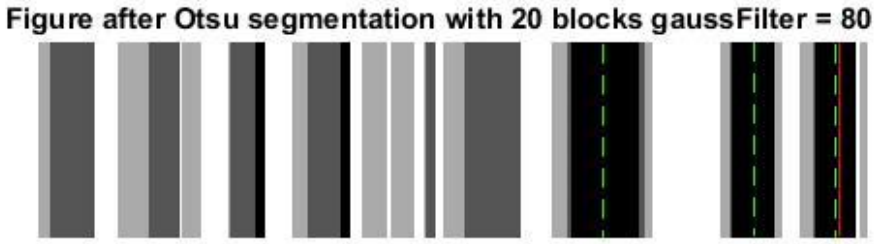
There is no givenBands

ourBands= [245 313 339]

13. Etude avec Gerard/N/ 29-01-2015001_A0_1501-1587x415-798







FN (Band oublie) =0; FP (Band ajoute) =2; match band = 1

gaussFilter = 80; nbrBlock = 20; rectangleSize = [7 9]

matchBands=[371]

Accuracy = 0.33

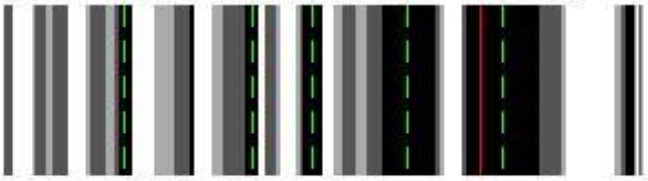
$$confusionMatrix = \begin{matrix} 1 & 0 \\ 2 & 0 \end{matrix}$$

14. Etude avec Gerard/N/ 7-01-2016_A0_214-307x436-788

Figure originale 7-01-2016$_A0_2$14-307x436-788

figure after preprocessing

Figure after Otsu segmentation with 20 blocks gaussFilter = 20



FN (Band oublie) =0; FP (Band ajoute) =4; match band = 1
gaussFilter = 20; nbrBlock = 20; rectangleSize = [3 5]

matchBands=[263]

Accuracy = 0.2

$$confusionMatrix = \begin{matrix} 1 & 0 \\ 4 & 0 \end{matrix}$$

15. Etude avec Gerard/N/ 7-01-2016_A0_396-502x423-793

Figure originale 7-01-2016_A0_396-502x423-793

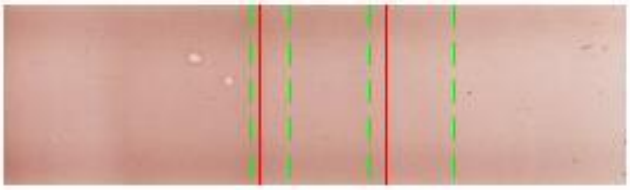
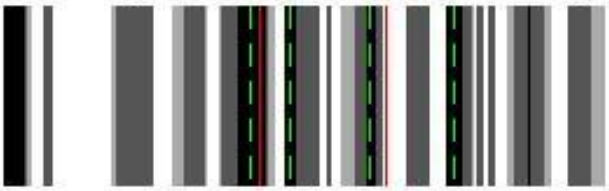


figure after preprocessing

Figure after Otsu segmentation with 30 blocks gaussFilter = 80



FN (Band oublie) =0; FP (Band ajoute) =2; match band = 2
gaussFilter = 80; nbrBlock = 30; rectangleSize = [5 7]

matchBands=[154 228]

Accuracy = 0.5

$$confusionMatrix = \begin{matrix} 2 & 0 \\ 2 & 0 \end{matrix}$$