# Feature selection results for big\_dataset and Nmin = 10

**Data1 = označava single peak emisije**

1. result: **(signal\_strength, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.0062405, Picked Epsilon: 0.021241, MinNumPoints: 10**

**DBCV index value: 0.97041**

**cluster -1 had 1.3115% single peaks**

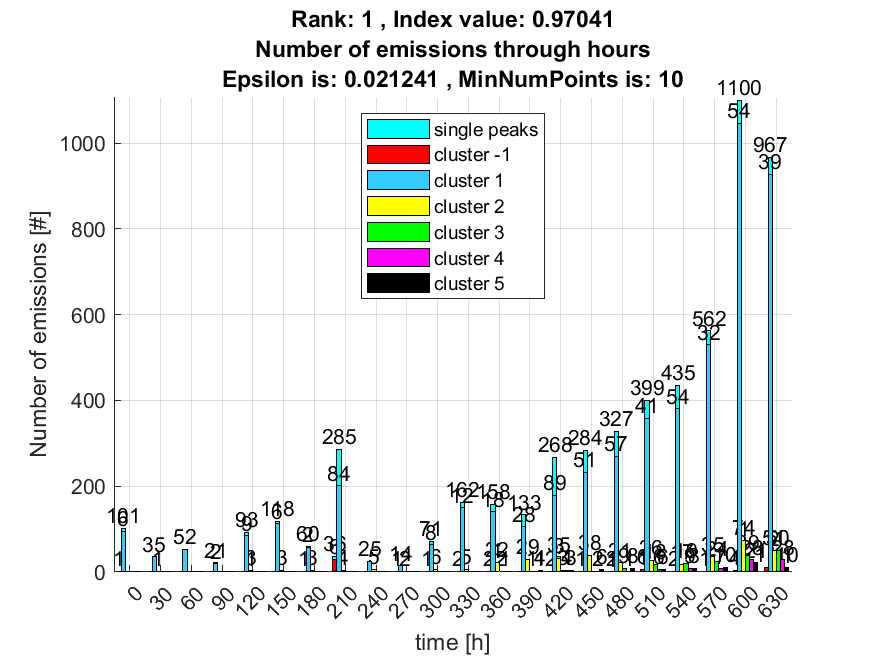
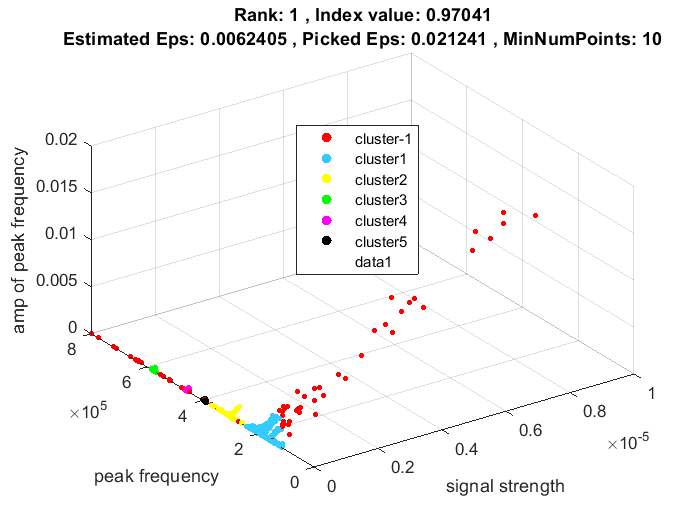
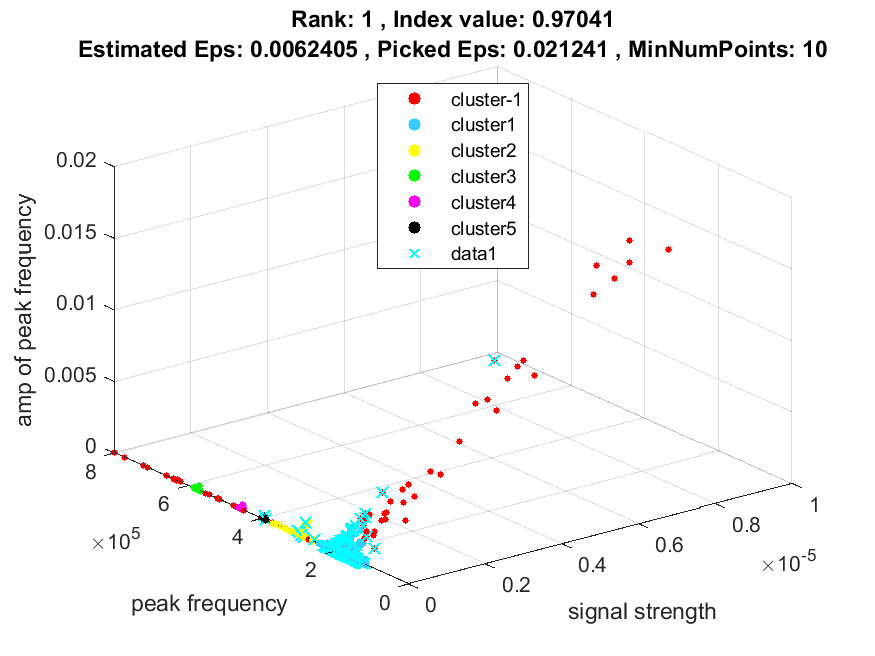
**cluster 1 had 97.0492% single peaks**

**cluster 2 had 1.3115% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.32787% single peaks**



**2. result: (peak\_amplitude, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.0085671, Picked Epsilon: 0.021067, MinNumPoints: 10**

**DBCV index value: 0.96633**

**cluster -1 had 1.6393% single peaks**

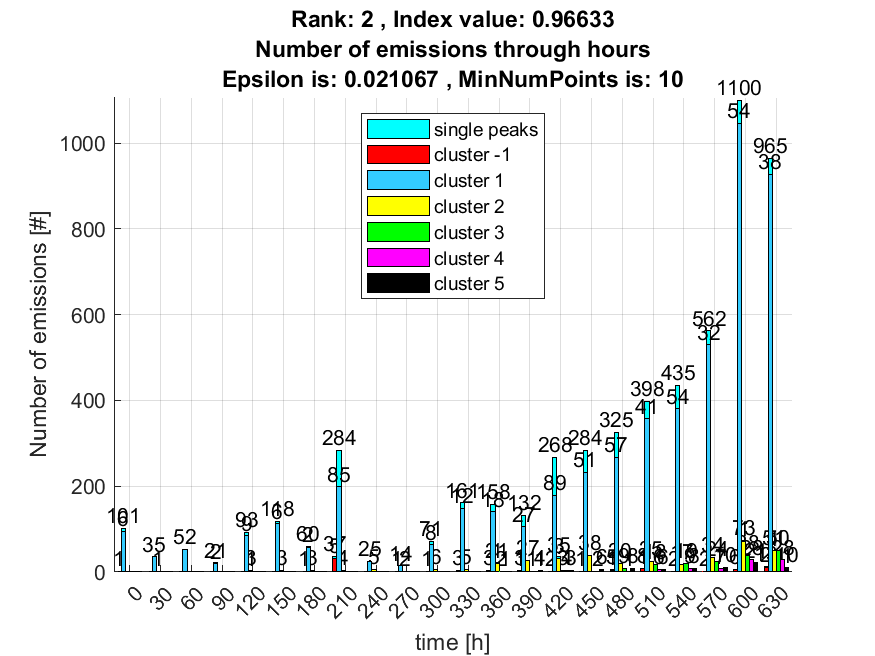
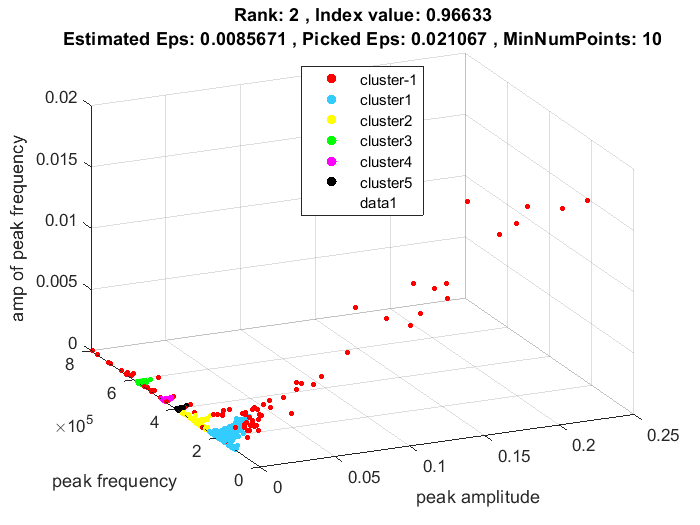
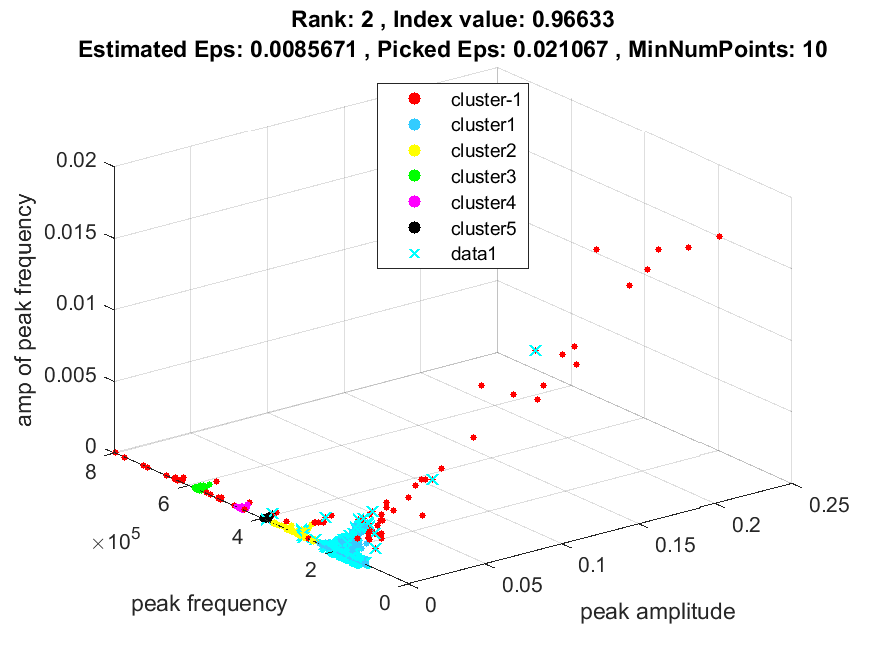
**cluster 1 had 96.8852% single peaks**

**cluster 2 had 1.1475% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.32787% single peaks**



**3. result: (pp1, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.012715, Picked Epsilon: 0.030215, MinNumPoints: 10**

**DBCV index value: 0.93049**

**cluster -1 had 0.4918% single peaks**

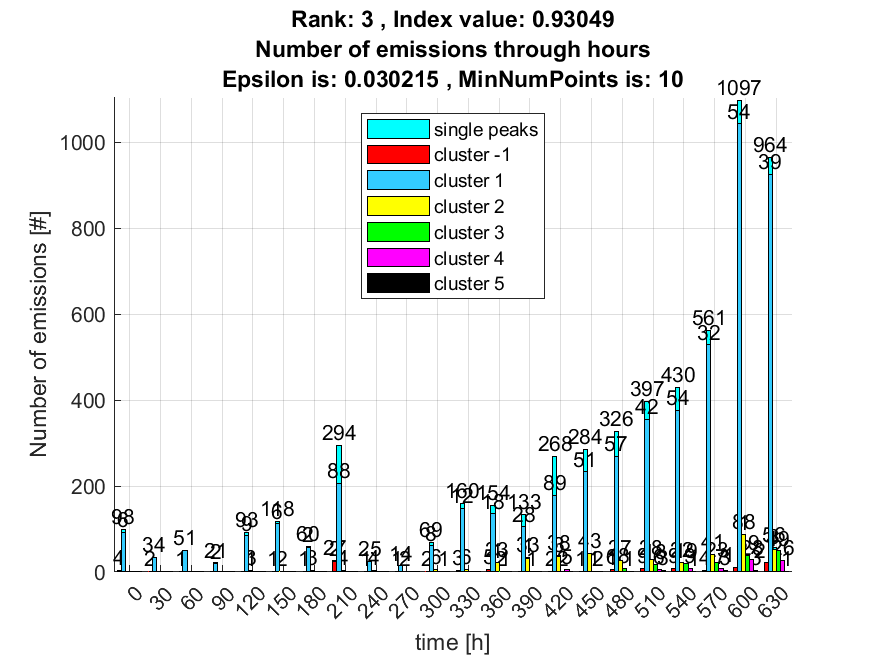
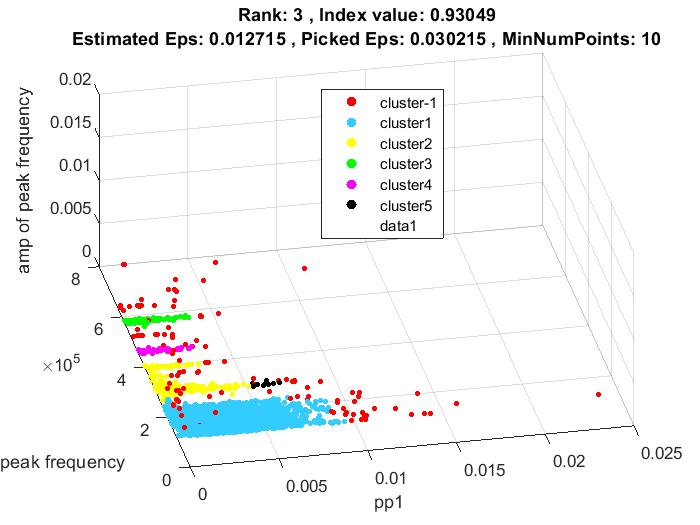
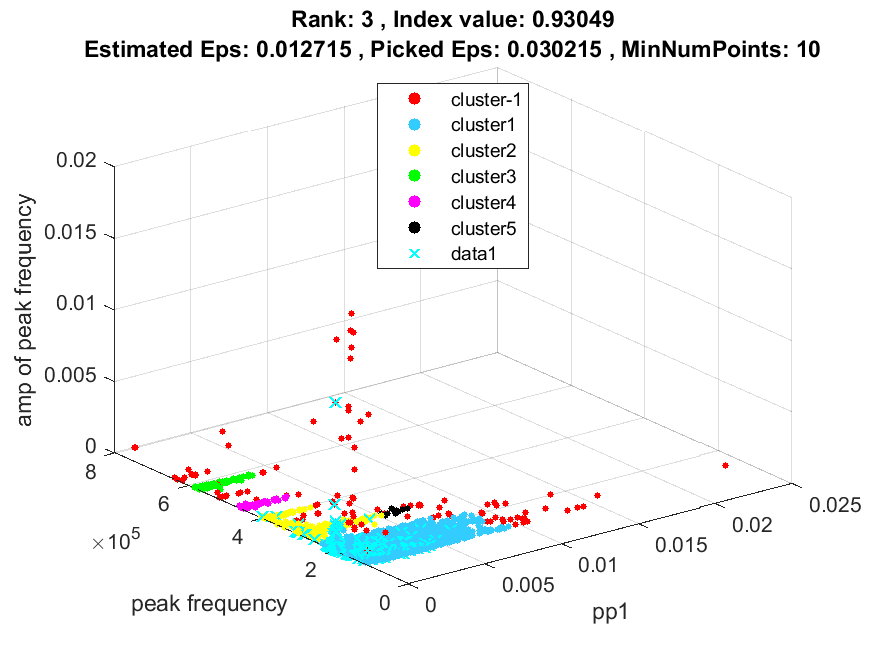
**cluster 1 had 97.8689% single peaks**

**cluster 2 had 1.6393% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0% single peaks**



**4. result: (rise\_time, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.013128, Picked Epsilon: 0.028128, MinNumPoints: 10**

**DBCV index value: 0.93007**

**cluster -1 had 2.1311% single peaks**

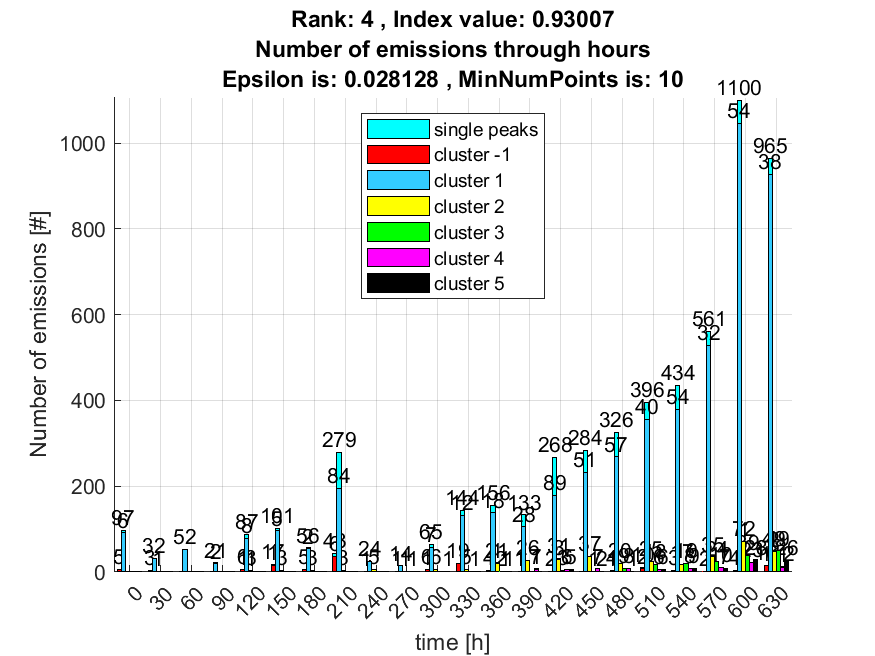
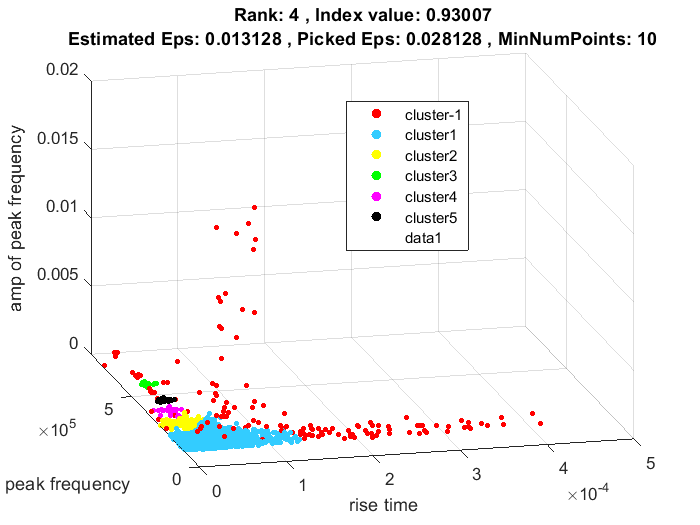
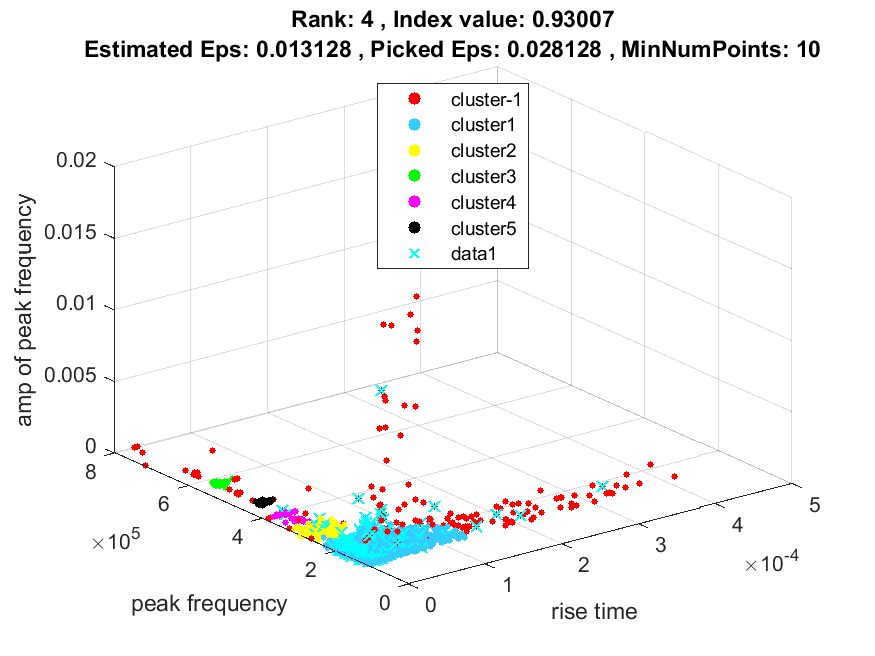
**cluster 1 had 96.2295% single peaks**

**cluster 2 had 1.3115% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0.32787% single peaks**

**cluster 5 had 0% single peaks**



**5. result: (rise\_time, signal\_strength, peak\_frequency)**

**Estimated Epsilon: 0.013295, Picked Epsilon: 0.028295, MinNumPoints: 10**

**DBCV index value: 0.92962**

**cluster -1 had 1.9672% single peaks**

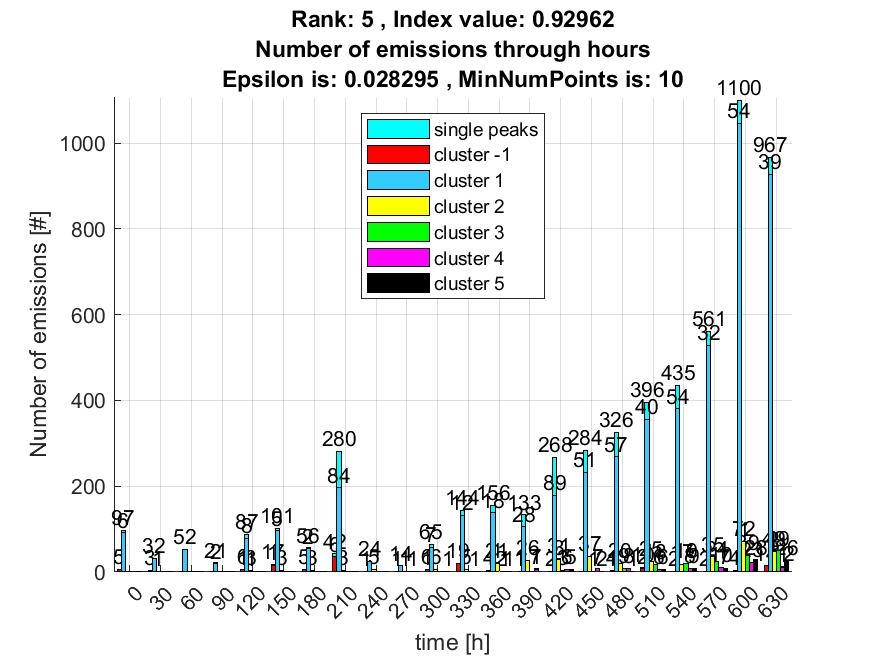
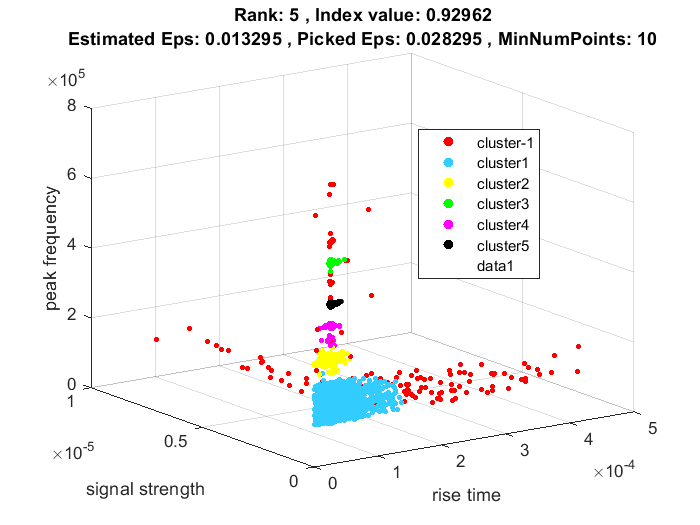
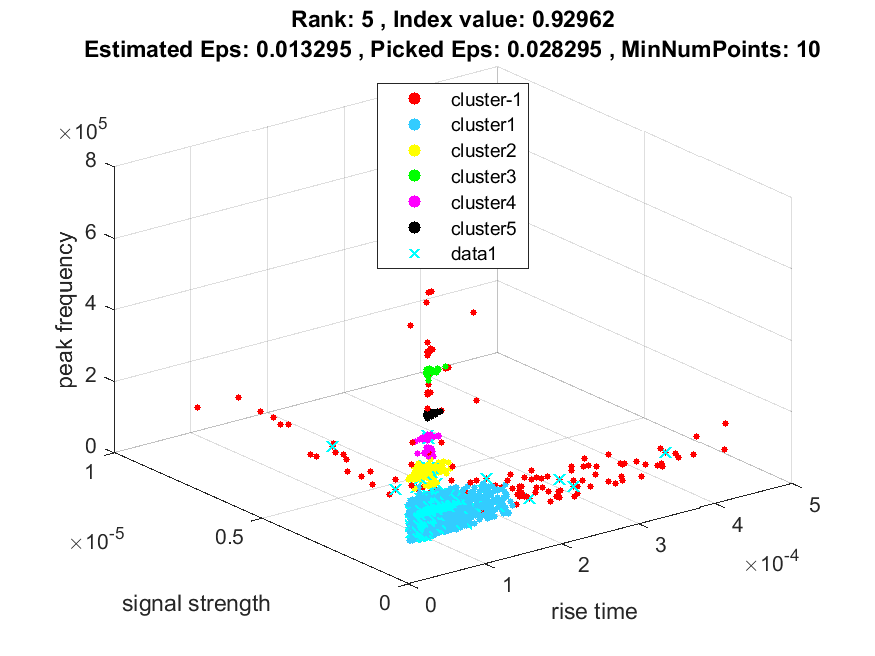
**cluster 1 had 96.3934% single peaks**

**cluster 2 had 1.3115% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0.32787% single peaks**

**cluster 5 had 0% single peaks**



**6. result: (signal\_strength, centroid\_frequency, peak\_frequency)**

**Estimated Epsilon: 0.01697, Picked Epsilon: 0.04197, MinNumPoints: 10**

**DBCV index value: 0.92949**

**cluster -1 had 0.4918% single peaks**

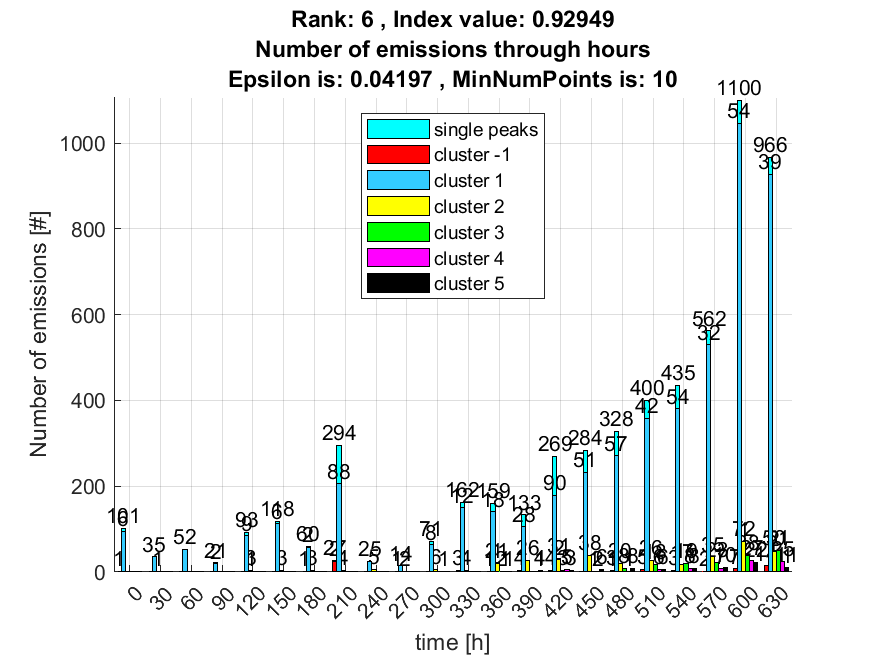
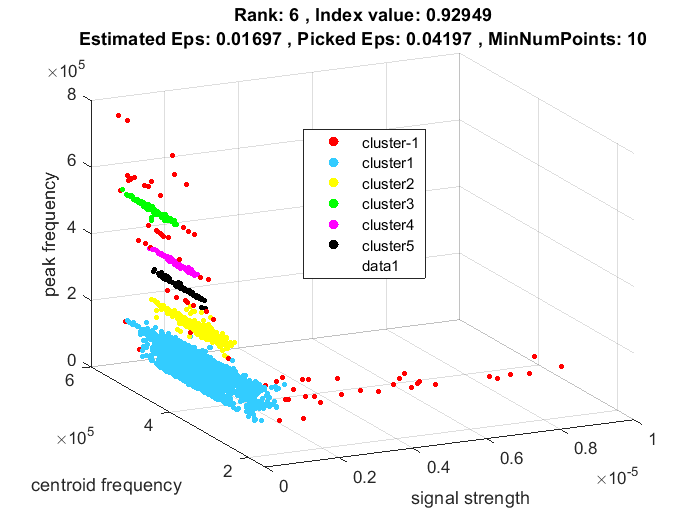
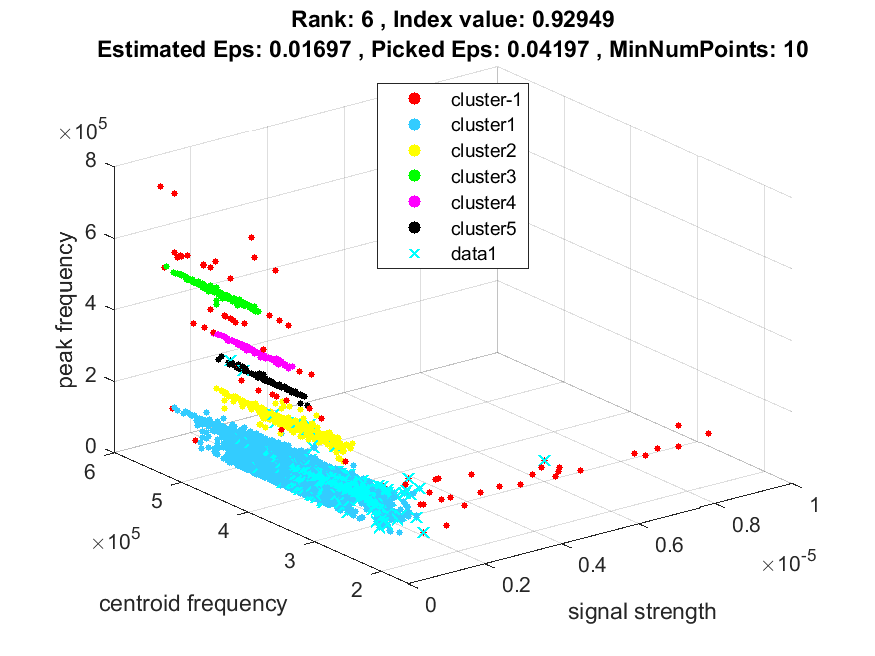
**cluster 1 had 98.0328% single peaks**

**cluster 2 had 1.1475% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.32787% single peaks**



**7. result: (signal\_strength, pp3, peak\_frequency)**

**Estimated Epsilon: 0.017417, Picked Epsilon: 0.039917, MinNumPoints: 10**

**DBCV index value: 0.92911**

**cluster -1 had 1.3115% single peaks**

**cluster 1 had 98.0328% single peaks**

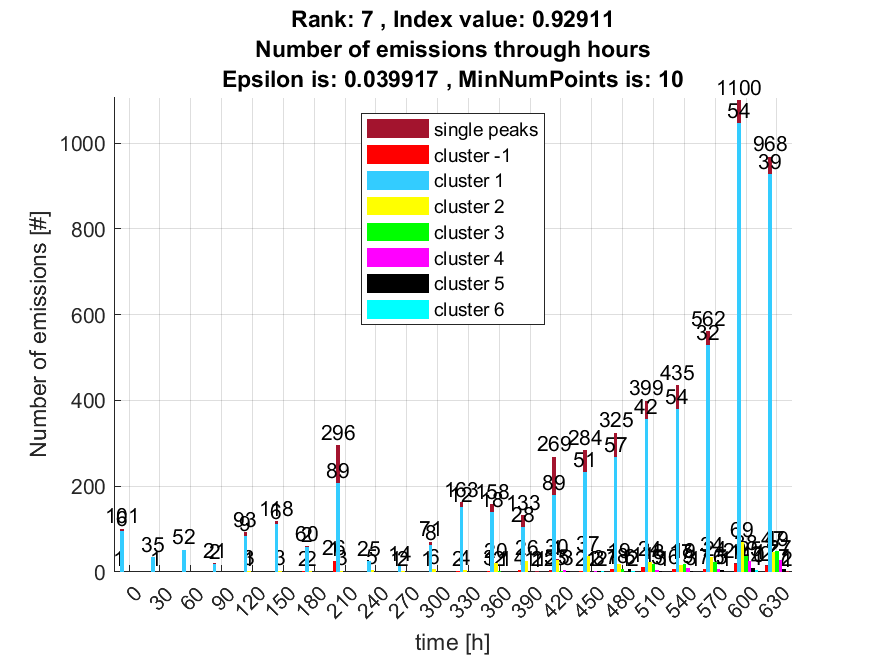
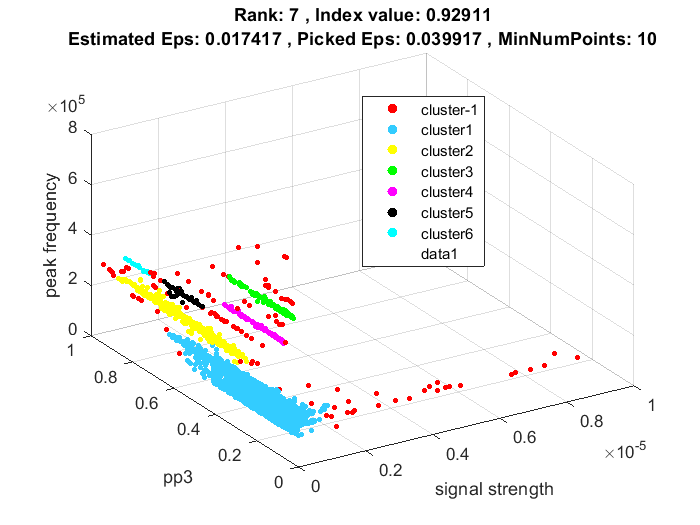
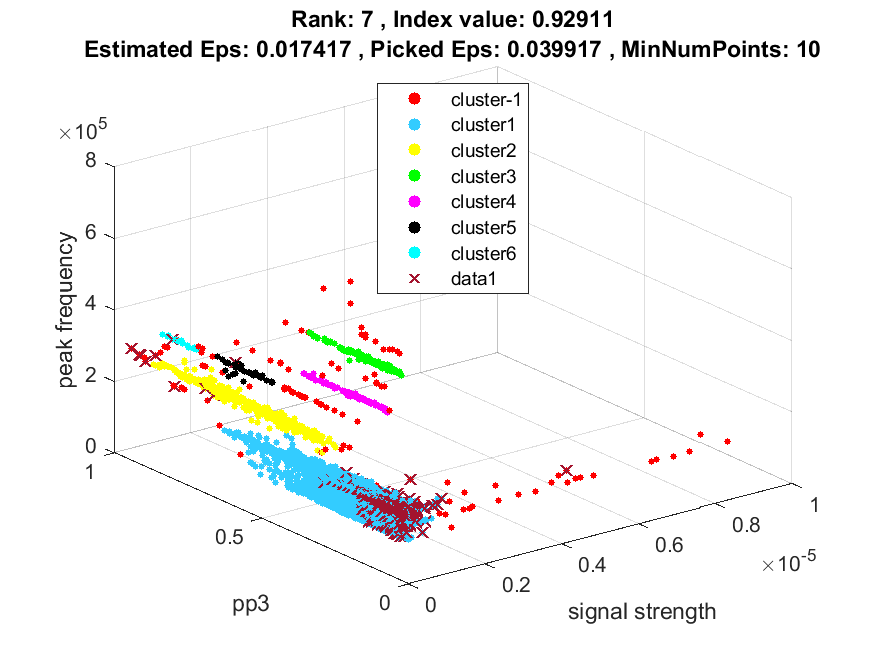
**cluster 2 had 0.32787% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.16393% single peaks**

**cluster 6 had 0.16393% single peaks**



**8. result: (pp3, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.014342, Picked Epsilon: 0.039342, MinNumPoints: 10**

**DBCV index value: 0.92888**

**cluster -1 had 1.3115% single peaks**

**cluster 1 had 98.0328% single peaks**

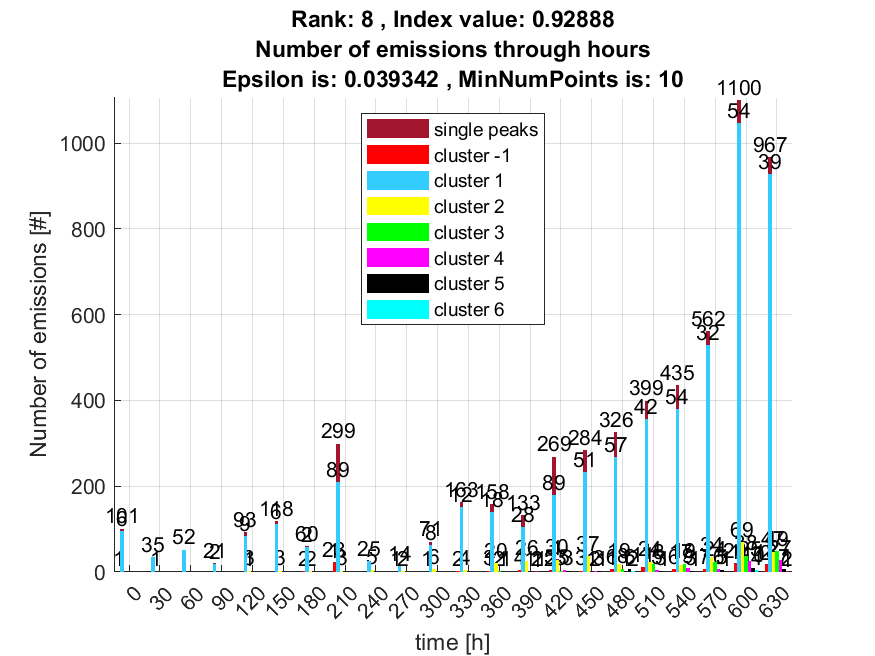
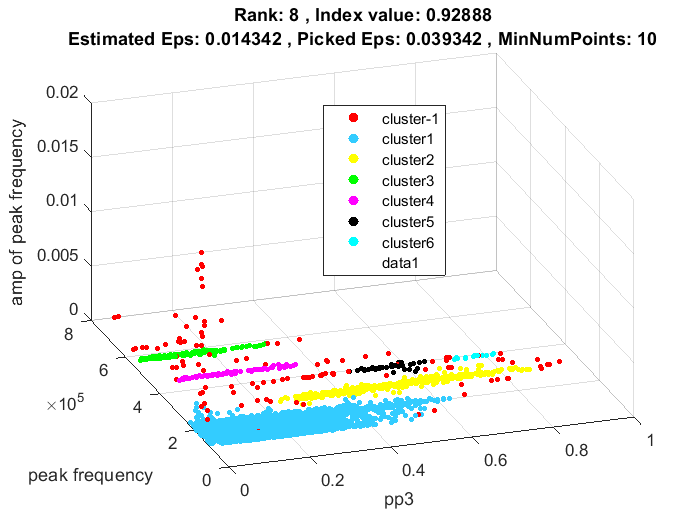
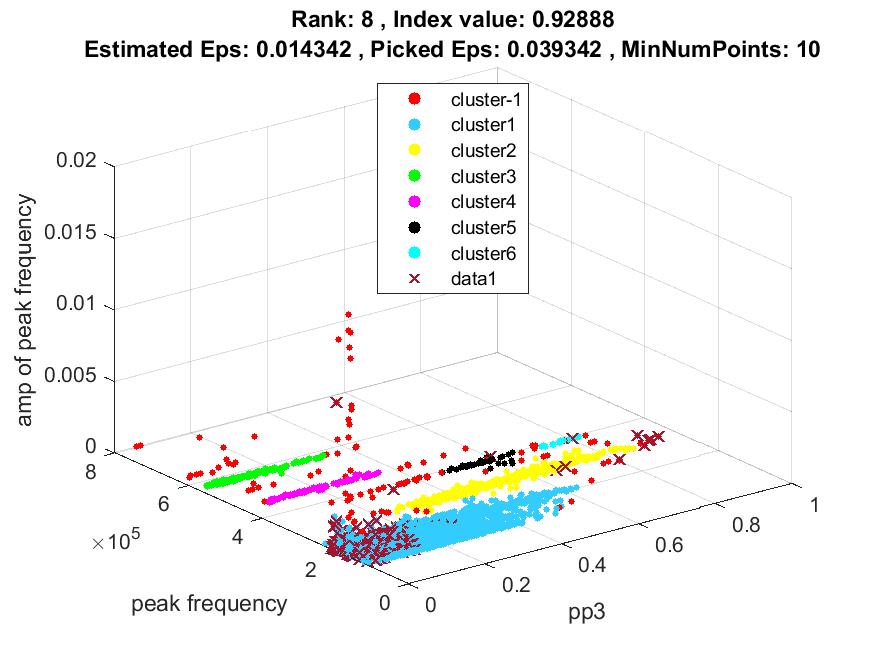
**cluster 2 had 0.32787% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.16393% single peaks**

**cluster 6 had 0.16393% single peaks**



**9. result: (centroid\_frequency, peak\_frequency, amp\_of\_peak\_frequency)**

**Estimated Epsilon: 0.016101, Picked Epsilon: 0.041101, MinNumPoints: 10**

**DBCV index value: 0.92859**

**cluster -1 had 0.4918% single peaks**

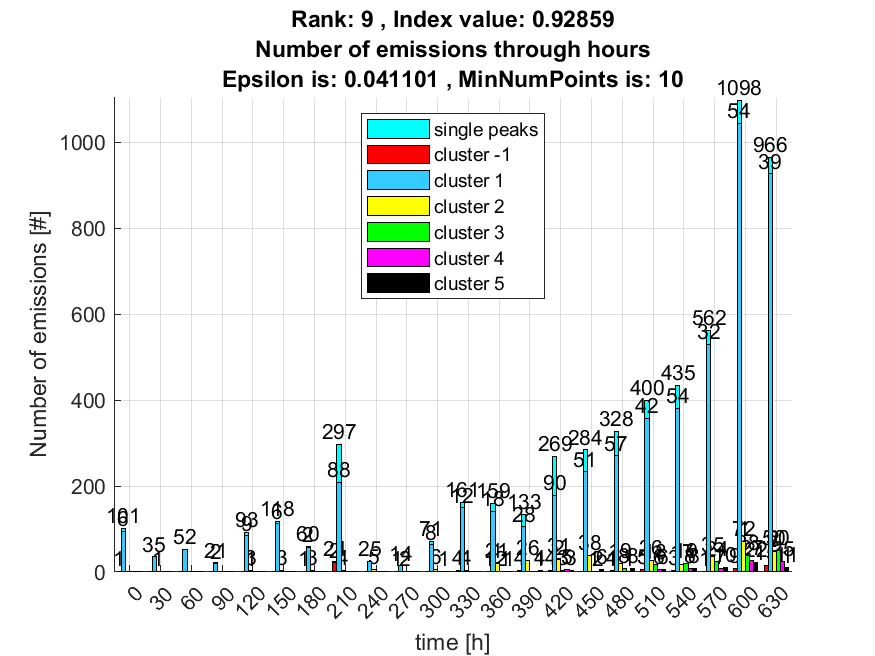
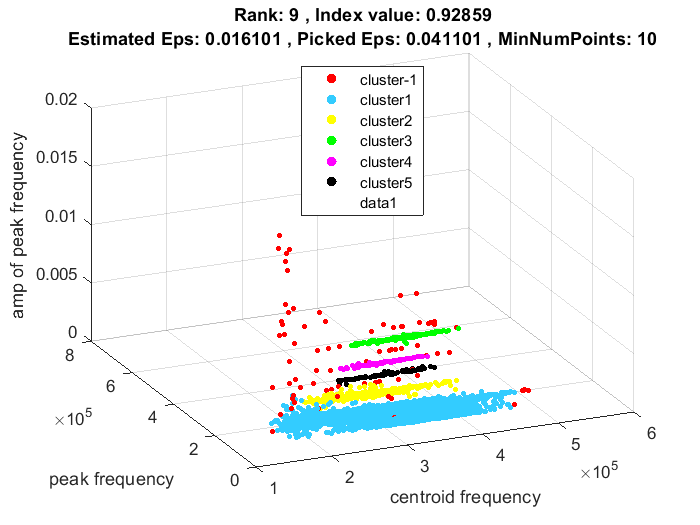
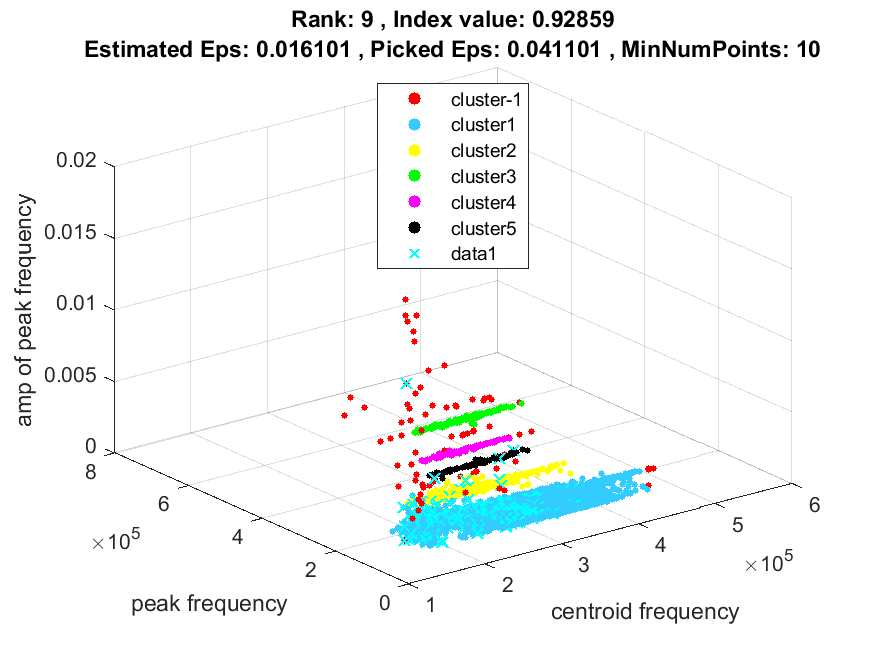
**cluster 1 had 98.0328% single peaks**

**cluster 2 had 1.1475% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.32787% single peaks**



**10. result: (peak\_amplitude, pp3, peak\_frequency)**

**Estimated Epsilon: 0.018447, Picked Epsilon: 0.040947, MinNumPoints: 10**

**DBCV index value: 0.92796**

**cluster -1 had 1.3115% single peaks**

**cluster 1 had 98.0328% single peaks**

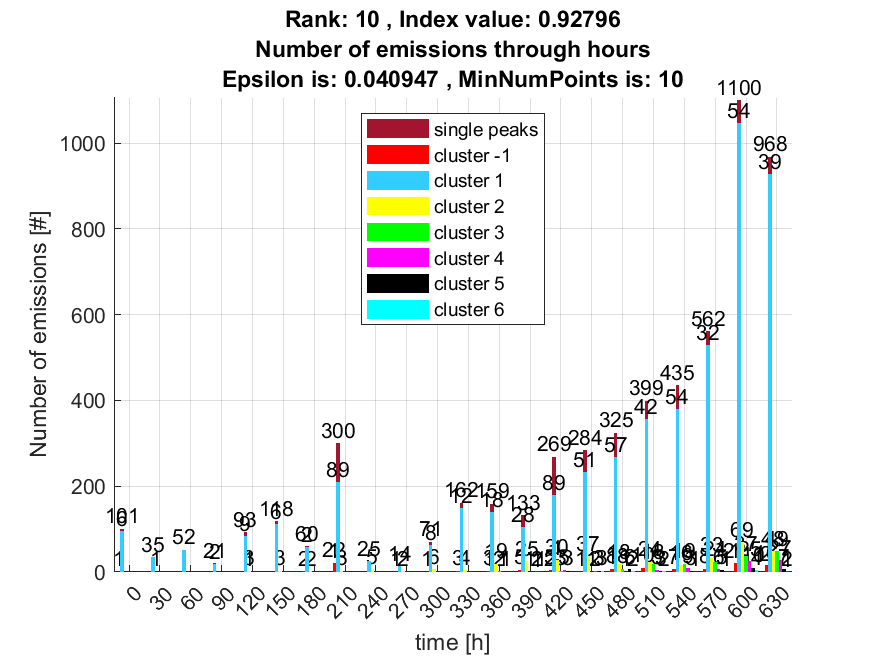
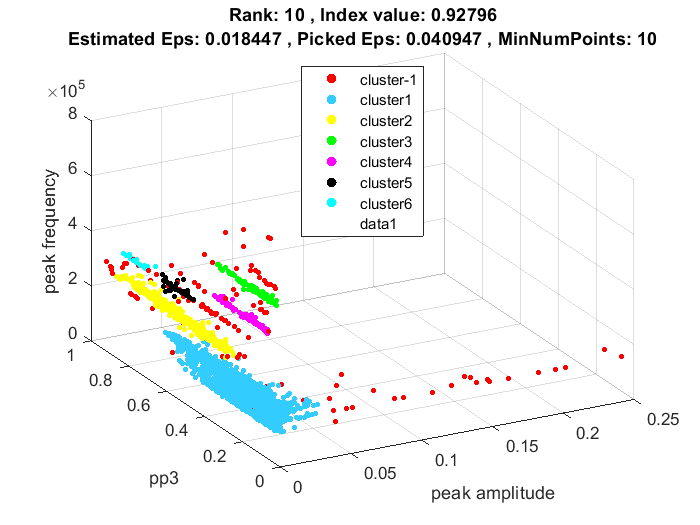
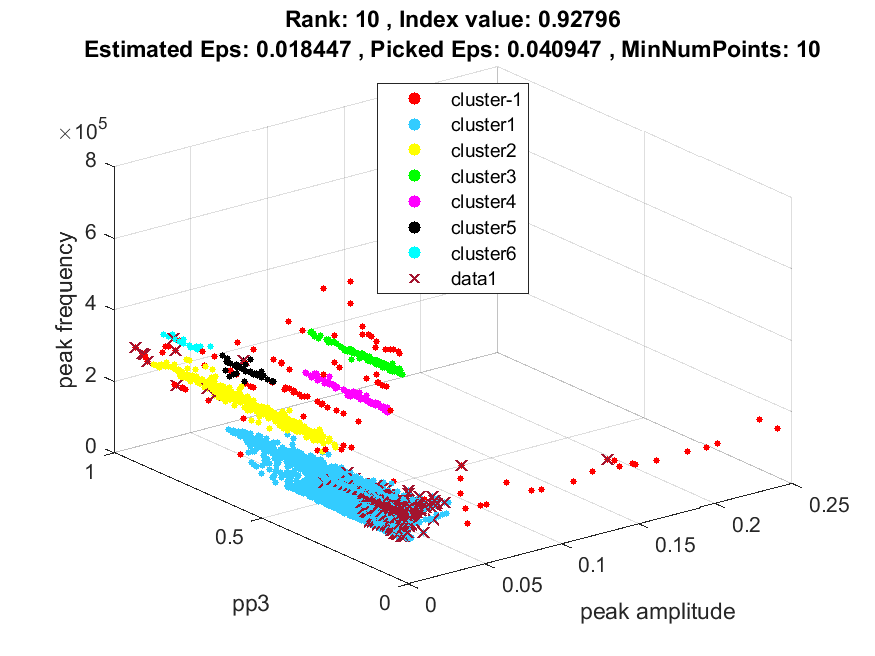
**cluster 2 had 0.32787% single peaks**

**cluster 3 had 0% single peaks**

**cluster 4 had 0% single peaks**

**cluster 5 had 0.16393% single peaks**

**cluster 6 had 0.16393% single peaks**



**Kao dodatna informacija priložio sam sličnosti navedenih 10 rezultata kao postotak sličnosti svih clustera između svih parova rezultata. Gdje je svaki red i svaki stupac predstavlja određeni cluster navedenog rangiranog rezultata. Clusteri idu po redu kako su označeni na slici uključujući outliere kao cluster označen s -1.**

**Intersection between rank 1 and rank 2 :**

**0.9125 0.0002 0 0 0 0 0**

**0.0002 0.9998 0 0 0 0 0**

**0.0132 0 0.9579 0 0 0 0.0289**

**0.0061 0 0 0.9939 0 0 0**

**0 0 0 0 1.0000 0 0**

**0 0 0 0 0 1.0000 0**

**Intersection between rank 1 and rank 3 :**

**0.0117 0 0.0230 0**

**0.9263 0 0 0**

**0.0619 0 0 0**

**0 1.0000 0 0**

**0.0002 0 0.9770 0**

**0 0 0 1.0000**

**Intersection between rank 1 and rank 4 :**

**1 0 0 0 0 0**

**0 1 0 0 0 0**

**0 0 1 0 0 0**

**0 0 0 1 0 0**

**0 0 0 0 1 0**

**0 0 0 0 0 1**

**Intersection between rank 1 and rank 5 :**

**1 0 0 0 0 0**

**0 1 0 0 0 0**

**0 0 1 0 0 0**

**0 0 0 1 0 0**

**0 0 0 0 1 0**

**0 0 0 0 0 1**

**Intersection between rank 1 and rank 6 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 1 and rank 7 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 1 and rank 8 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 1 and rank 9 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 1 and rank 10 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 2 and rank 3 :**

**0.0125 0.0061 0.0230 0**

**0.9263 0 0 0**

**0.0593 0 0 0**

**0 0.9939 0 0**

**0.0002 0 0.9770 0**

**0 0 0 1.0000**

**0.0018 0 0 0**

**Intersection between rank 2 and rank 4 :**

**0.9125 0.0002 0.0132 0.0061 0 0**

**0.0002 0.9998 0 0 0 0**

**0 0 0.9579 0 0 0**

**0 0 0 0.9939 0 0**

**0 0 0 0 1.0000 0**

**0 0 0 0 0 1.0000**

**0 0 0.0289 0 0 0**

**Intersection between rank 2 and rank 5 :**

**0.9125 0.0002 0.0132 0.0061 0 0**

**0.0002 0.9998 0 0 0 0**

**0 0 0.9579 0 0 0**

**0 0 0 0.9939 0 0**

**0 0 0 0 1.0000 0**

**0 0 0 0 0 1.0000**

**0 0 0.0289 0 0 0**

**Intersection between rank 2 and rank 6 :**

**0.0122 0.0120 0.0230**

**0.9151 0 0**

**0.0585 0 0**

**0 0.9880 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**0.0018 0 0**

**Intersection between rank 2 and rank 7 :**

**0.0122 0.0120 0.0230**

**0.9151 0 0**

**0.0585 0 0**

**0 0.9880 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**0.0018 0 0**

**Intersection between rank 2 and rank 8 :**

**0.0122 0.0120 0.0230**

**0.9151 0 0**

**0.0585 0 0**

**0 0.9880 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**0.0018 0 0**

**Intersection between rank 2 and rank 9 :**

**0.0122 0.0120 0.0230**

**0.9151 0 0**

**0.0585 0 0**

**0 0.9880 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**0.0018 0 0**

**Intersection between rank 2 and rank 10 :**

**0.0122 0.0120 0.0230**

**0.9151 0 0**

**0.0585 0 0**

**0 0.9880 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**0.0018 0 0**

**Intersection between rank 3 and rank 4 :**

**0.0117 0.9263 0.0619 0 0.0002 0**

**0 0 0 1.0000 0 0**

**0.0230 0 0 0 0.9770 0**

**0 0 0 0 0 1.0000**

**Intersection between rank 3 and rank 5 :**

**0.0117 0.9263 0.0619 0 0.0002 0**

**0 0 0 1.0000 0 0**

**0.0230 0 0 0 0.9770 0**

**0 0 0 0 0 1.0000**

**Intersection between rank 3 and rank 6 :**

**0.9878 0.0002 0**

**0 0.9940 0**

**0 0 1.0000**

**0.0122 0 0**

**Intersection between rank 3 and rank 7 :**

**0.9878 0.0002 0**

**0 0.9940 0**

**0 0 1.0000**

**0.0122 0 0**

**Intersection between rank 3 and rank 8 :**

**0.9878 0.0002 0**

**0 0.9940 0**

**0 0 1.0000**

**0.0122 0 0**

**Intersection between rank 3 and rank 9 :**

**0.9878 0.0002 0**

**0 0.9940 0**

**0 0 1.0000**

**0.0122 0 0**

**Intersection between rank 3 and rank 10 :**

**0.9878 0.0002 0**

**0 0.9940 0**

**0 0 1.0000**

**0.0122 0 0**

**Intersection between rank 4 and rank 5 :**

**1 0 0 0 0 0**

**0 1 0 0 0 0**

**0 0 1 0 0 0**

**0 0 0 1 0 0**

**0 0 0 0 1 0**

**0 0 0 0 0 1**

**Intersection between rank 4 and rank 6 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 4 and rank 7 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 4 and rank 8 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 4 and rank 9 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 4 and rank 10 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 5 and rank 6 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 5 and rank 7 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 5 and rank 8 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 5 and rank 9 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 5 and rank 10 :**

**0.0114 0.0060 0.0230**

**0.9151 0 0**

**0.0611 0 0**

**0 0.9940 0**

**0.0002 0 0.9770**

**0.0122 0 0**

**Intersection between rank 6 and rank 7 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 6 and rank 8 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 6 and rank 9 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 6 and rank 10 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 7 and rank 8 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 7 and rank 9 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 7 and rank 10 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 8 and rank 9 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 8 and rank 10 :**

**1 0 0**

**0 1 0**

**0 0 1**

**Intersection between rank 9 and rank 10 :**

**1 0 0**

**0 1 0**

**0 0 1**