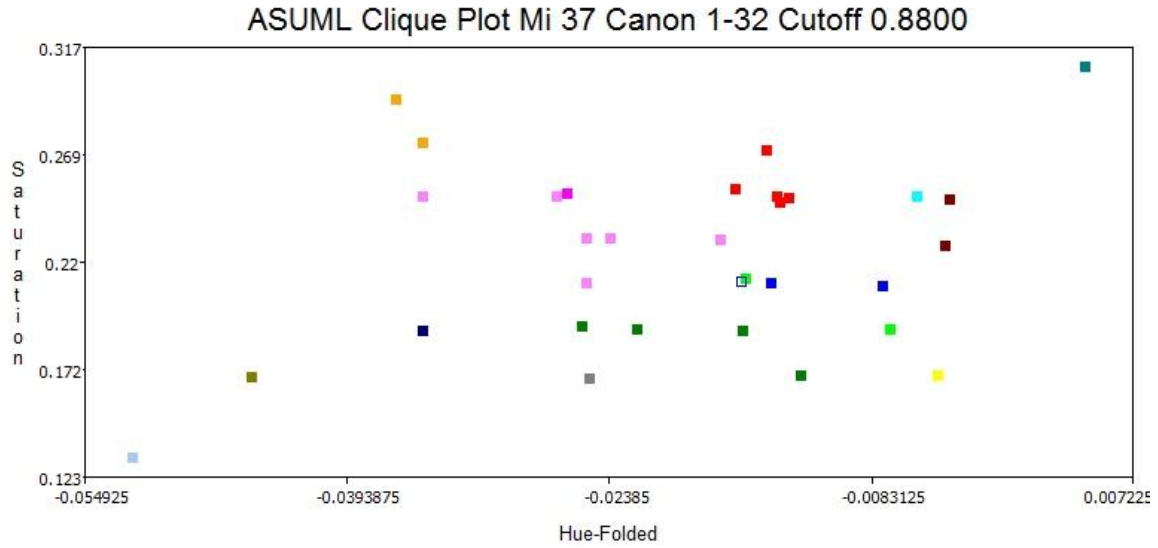


# Appendix 1

## Two Decompositions of 32 Copies of Mi 37

### 1. Mi 37 Maximal Clique Decomposition for ASUML at 0.88 Cutoff



[1] Largest Maximal Clique: (6 stamps) H,S,L = 0.9766, 0.2271, 0.5078:



[2] Maximal Clique: (5 stamps) H,S,L = 0.9841, 0.2530, 0.4882:



[3] Maximal Clique: (4 stamps) H,S,L = 0.9806, 0.1830, 0.5392:



[4] Maximal Clique: (3 stamps) H,S,L = 0.9894, 0.2070, 0.5549:



[5] Maximal Clique: (2 stamps) H,S,L = 0.9630, 0.2851, 0.4333:



[6] Maximal Clique: (2 stamps) H,S,L = 0.9962, 0.2366, 0.6353:



[7] Maximal Clique: (2 stamps) H,S,L = 0.9898, 0.2000, 0.4804:



Singletons (Cliques 8 thru 15) with only one stamp in order as produced:

H,S,L = 0.9479, 0.1322, 0.4745

H,S,L = 0.9550, 0.1689, 0.5706

H,S,L = 0.9651, 0.1894, 0.5549

H,S,L = 0.9956, 0.1696, 0.5608

H,S,L = 0.0044, 0.3086, 0.4765

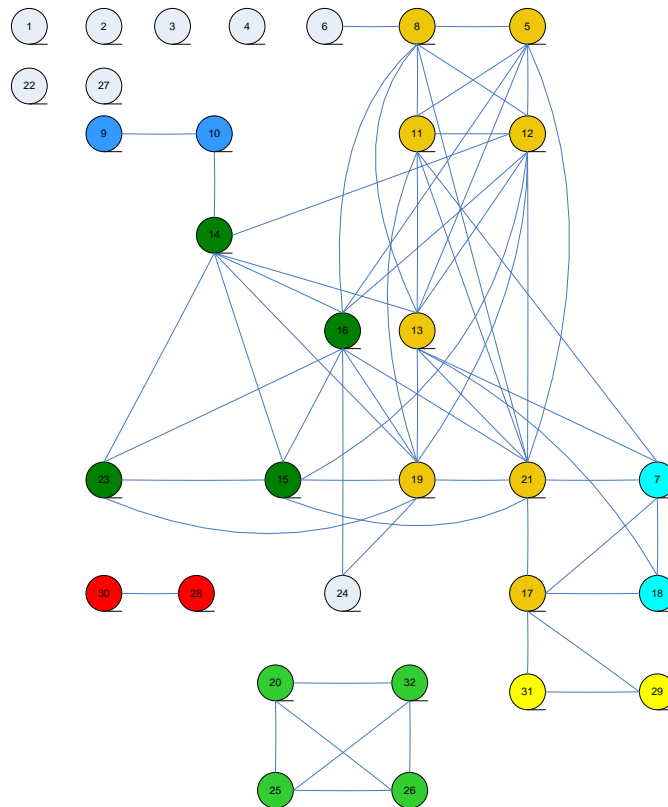
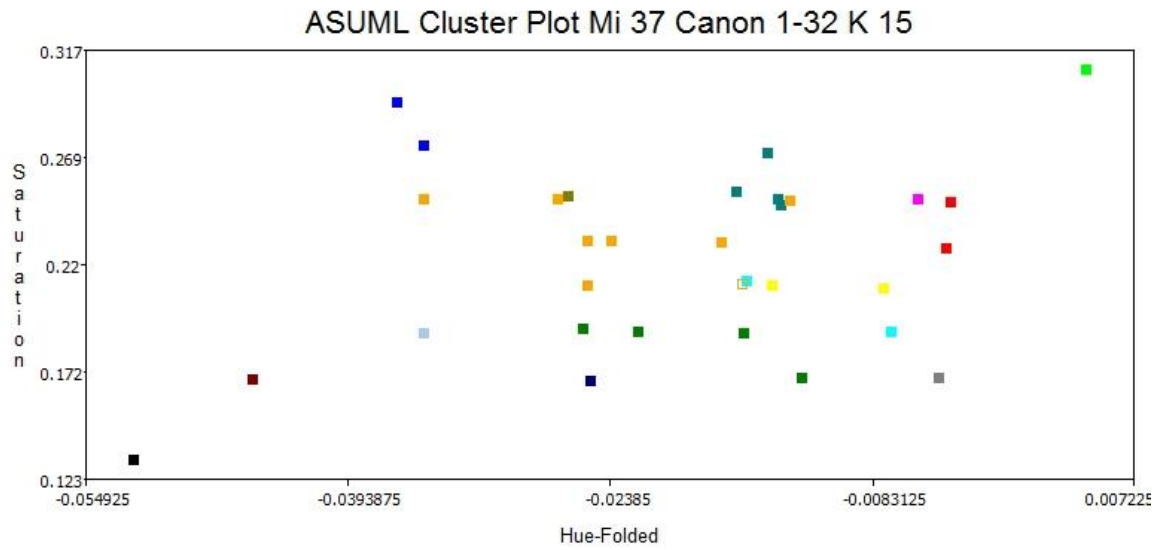
H,S,L = 0.9750, 0.1681, 0.5333

H,S,L = 0.9737, 0.2511, 0.5549

H,S,L = 0.9944, 0.2500, 0.5294



## 2. Mi 37 K-Means Decomposition for ASUML with K = 15



Note: Not all edges are shown in this graph.



[2] Cluster: (2 stamps) H,S,L = 0.9963, 0.2486, 0.6451:



[3] Cluster: (4 stamps) H,S,L = 0.9746, 0.1917, 0.5294:



[4] Cluster: (2 stamps) H,S,L = 0.9635, 0.2936, 0.4275:



[5] Cluster: (8 stamps) H,S,L = 0.9828, 0.2302, 0.5059:



[11] Cluster: (2 stamps) H,S,L = 0.9924, 0.2095, 0.5882:



[12] Cluster: (4 stamps) H,S,L = 0.9855, 0.2706, 0.5000:



[15] Cluster: (2 stamps) H,S,L = 0.9843, 0.2129, 0.4882:



Singletons (Clusters 1, 6, 7, 8, 9, 10, 13, 14) with only one stamp in order as produced:

H,S,L = 0.9479, 0.1322, 0.4745

H,S,L = 0.9550, 0.1689, 0.5706

H,S,L = 0.0044, 0.3086, 0.4765

H,S,L = 0.9651, 0.1894, 0.5549

H,S,L = 0.9737, 0.2511, 0.5549

H,S,L = 0.9750, 0.1681, 0.5333

H,S,L = 0.9956, 0.1696, 0.5608

H,S,L = 0.9944, 0.2500, 0.5294



Of course you noticed immediately that this is exactly the same set of singletons as was produced by the Maximal Clique Decomposition.