Index	Name	Meaning	Type
0	label	Label for classification e.g. of fire and not fire, defined for frame i^{th}, label(i)	nominal
1	iVecCount	Amount of vector found in frame i^{th}, iVecCount(i)	int
2	dRadius	Average radius (length/velocity) of vectors found in frame i^{th}, denoted as dRadius(i)	double
3	dCohIndex	Motion coherence index found in frame i^{th}, dCohIndex(i)	double
4	vardRadius	Absolute difference of two average radius in two consecutive frames, calculated by abs(dRadius(i^{th}-1) - dRadius(i^{th}))	double
5	vardCohIndex	Absolute difference of two coherence indices in two consecutive frames, calculated by abs(dCohIndex(i^{th}-1) - dCohIndex(i^{th}))	double
6	d_varRad	The standardization of vector radius ($Z_r(i^{th})$) $Z = \frac{x - \mu}{\sigma}$ is calculated by d_varRad(i^{th}) = (dRadius(i^{th}) - d_AvgRadius$_N$) / d_StdRad$_N$, where the d_AvgRadius$_N$ was calculated from the prior 30 frames (N=30) found before 360 recorded frames in a series of dataset, and d_StdRad$_N$ is standard deviation (σ) of radius of samples (N = 30 samples) $\sigma = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$, where $\mu = \frac{1}{N}\sum_{i=1}^{N} x_i$.	double
7	d_varCoh	The standardization of motion coherence ($Z_c(i^{th})$) $Z = \frac{x - \mu}{\sigma}$	

		is calculated by d_varCoh(i^{th}) = (dCohIndex(i^{th}) - d_AvgCoh$_N$) / d_StdCoh$_N$, where the d_AvgCoh$_N$ was calculated from the prior 30 frames (N=30) found before 360 recorded frames in a series of dataset, and d_StdCoh$_N$ is standard deviation (σ) of motion coherence index of samples (N = 30 samples) $\sigma = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$, where $\mu = \frac{1}{N}\sum_{i=1}^{N} x_i$.	double
8	dCos	Average of Cosine value of vectors found in frame i^{th}	double
9	dSin	Average of Sine value of vectors found in frame i^{th}	double
10	ia5Radius_v0	1st highest radius value frequently max(ROI(Vr)) found in frame i^{th}	int
11	ia5Radius_v1	2nd highest radius value frequently max(ROI(Vr)) found in frame i^{th}	int
12	ia5Radius_v2	3rd highest radius value frequently max(ROI(Vr)) found in frame i^{th}	int
13	ia5Radius_v3	4th highest radius value frequently max(ROI(Vr)) found in frame i^{th}	int
14	ia5Radius_v4	5th highest radius value frequently max(ROI(Vr)) found in frame i^{th}	int
15	ia5Radius_f0	frequency of 1st high radius value frequently mode(ROI(Vr)) found in frame i^{th}	int
16	ia5Radius_f1	frequency of 2nd high radius value frequently mode(ROI(Vr)) found in frame i^{th}	int
17	ia5Radius_f2	frequency of 3rd high radius value frequently mode(ROI(Vr)) found in frame i^{th}	int

18	ia5Radius_f3	frequency of 4th high radius value frequently mode(ROI(Vr)) found in frame i^{th}	int
19	ia5Radius_f4	frequency of 5th high radius value frequently mode(ROI(Vr)) found in frame i^{th}	int
20	da5Radius_%0	% frequency of 1st radius value in top 5 found in frame i^{th}	double
21	da5Radius_%1	% frequency of 2nd radius value in top 5 found in frame i^{th}	double
22	da5Radius_%2	% frequency of 3rd radius value in top 5 found in frame i^{th}	double
23	da5Radius_%3	% frequency of 4th radius value in top 5 found in frame i^{th}	double
24	da5Radius_%4	% frequency of 5th radius value in top 5, where sum of da5Radius_%j, j = 0, 1, 2, 3, 4, is equal to 100, found in frame i^{th}	double
25	da5Degree_v0	1st high degree of angle of vectors, frequently max(ROI(Va)) found in frame i^{th}	double
26	da5Degree_v1	2nd high degree of angle of vectors, frequently max(ROI(Va)) found in frame i^{th}	double
27	da5Degree_v2	3rd high degree of angle of vectors, frequently max(ROI(Va)) found in frame i^{th}	double
28	da5Degree_v3	4th high degree of angle of vectors, frequently max(ROI(Va)) found in frame i^{th}	double
29	da5Degree_v4	5th high degree of angle of vectors, frequently max(ROI(Va)) found in frame i^{th}	double
30	da5Degree_f0	frequency of 1st high degree value mode(ROI(Va)) found in frame i^{th}	double
31	da5Degree_f1	frequency of 2nd high degree value mode(ROI(Va)) found in frame i^{th}	double

32	da5Degree_f2	frequency of 3rd high degree value mode(ROI(Va)) found in frame i^{th}	double
33	da5Degree_f3	frequency of 4th high degree value mode(ROI(Va)) found in frame i^{th}	double
34	da5Degree_f4	frequency of 5th high degree value mode(ROI(Va)) found in frame i^{th}	double
35	da5Degree_%0	% frequency of 1st high degree in top 5 found in frame i^{th}	double
36	da5Degree_%1	% frequency of 2nd high degree in top 5 found in frame i^{th}	double
37	da5Degree_%2	% frequency of 3rd high degree in top 5 found in frame i^{th}	double
38	da5Degree_%3	% frequency of 4th high degree in top 5 found in frame i^{th}	double
39	da5Degree_%4	% frequency of 5th high degree in top 5, where sum of da5Degree_% j, j = 0, 1, 2, 3, 4, is equal to 100 found in frame i^{th}	double
40	iRGBTotal	Amount of pursued pixels (collected from SBs) found in frame i^{th}	int
41	iRMean	Average of red amount calculated from pursued pixels found in frame i^{th}	int
42	iGMean	Average of green amount calculated from pursued pixels found in frame i^{th}	int
43	iBMean	Average of blue amount calculated from pursued pixels found in frame i^{th}	int
44	d_luminance	Average of luminance d_luminance = 0.299*iRMean + 0.587*iGMean + 0.114*iBMean found in frame i^{th}	double
45	ia5R_v0	1st high value of red max(ROI(R)) found in frame i^{th}	int

46	ia5R_v1	2nd high value of red max(ROI(R)) found in frame *ith*	int
47	ia5R_v2	3rd high value of red max(ROI(R)) found in frame *ith*	int
48	ia5R_v3	4th high value of red max(ROI(R)) found in frame *ith*	int
49	ia5R_v4	5th high value of red max(ROI(R)) found in frame *ith*	int
50	ia5R_f0	frequency of 1st high value of red mode(ROI(R)) found in frame *ith*	int
51	ia5R_f1	frequency of 2nd high value of red mode(ROI(R)) found in frame *ith*	int
52	ia5R_f2	frequency of 3rd high value of red mode(ROI(R)) found in frame *ith*	int
53	ia5R_f3	frequency of 4th high value of red mode(ROI(R)) found in frame *ith*	int
54	ia5R_f4	frequency of 5th high value of red mode(ROI(R)) found in frame *ith*	int
55	ia5R_%0	% frequency of 1st high value of red found in frame *ith*	int
56	ia5R_%1	% frequency of 2nd high value of red found in frame *ith*	int
57	ia5R_%2	% frequency of 3rd high value of red found in frame *ith*	int
58	ia5R_%3	% frequency of 4th high value of red found in frame *ith*	int
59	ia5R_%4	% frequency of 5th high value of red found in frame *ith*	int
60	ia5G_v0	1st high value of green max(ROI(G)) found in frame *ith*	int

61	ia5G_v1	2nd high value of green max(ROI(G)) found in frame *i*th	int
62	ia5G_v2	3rd high value of green max(ROI(G)) found in frame *i*th	int
63	ia5G_v3	4th high value of green max(ROI(G)) found in frame *i*th	int
64	ia5G_v4	5th high value of green max(ROI(G)) found in frame *i*th	int
65	ia5G_f0	frequency of 1st high value of green mode(ROI(G)) found in frame *i*th	int
66	ia5G_f1	frequency of 2nd high value of green mode(ROI(G)) found in frame *i*th	int
67	ia5G_f2	frequency of 3rd high value of green mode(ROI(G)) found in frame *i*th	int
68	ia5G_f3	frequency of 4th high value of green mode(ROI(G)) found in frame *i*th	int
69	ia5G_f4	frequency of 5th high value of green mode(ROI(G)) found in frame *i*th	int
70	ia5G_%0	% frequency 1st high value of green found in frame *i*th	int
71	ia5G_%1	% frequency of 2nd high value of green found in frame *i*th	int
72	ia5G_%2	% frequency of 3rd high value of green found in frame *i*th	int
73	ia5G_%3	% frequency of 4th high value of green found in frame *i*th	int
74	ia5G_%4	% frequency of 5th high value of green found in frame *i*th	int

75	ia5B_v0	1st high value of blue max(ROI(B)) found in frame *i*th	int
76	ia5B_v1	2nd high value of blue max(ROI(B)) found in frame *i*th	int
77	ia5B_v2	3rd high value of blue max(ROI(B)) found in frame *i*th	int
78	ia5B_v3	4th high value of blue max(ROI(B)) found in frame *i*th	int
79	ia5B_v4	5th high value of blue max(ROI(B)) found in frame *i*th	int
80	ia5B_f0	frequency of 1st high value of blue mode(ROI(B)) found in frame *i*th	int
81	ia5B_f1	frequency of 2nd high value of blue mode(ROI(B)) found in frame *i*th	int
82	ia5B_f2	frequency of 3rd high value of blue mode(ROI(B)) found in frame *i*th	int
83	ia5B_f3	frequency of 4th high value of blue mode(ROI(B)) found in frame *i*th	int
84	ia5B_f4	frequency of 5th high value of blue mode(ROI(B)) found in frame *i*th	int
85	ia5B_%0	% frequency of 1st high value of blue found in frame *i*th	int
86	ia5B_%1	% frequency of 2nd high value of blue found in frame *i*th	int
87	ia5B_%2	% frequency of 3rd high value of blue found in frame *i*th	int
88	ia5B_%3	% frequency of 4th high value of blue found in frame *i*th	int
89	ia5B_%4	% frequency of 5th high value of blue found in frame *i*th	int