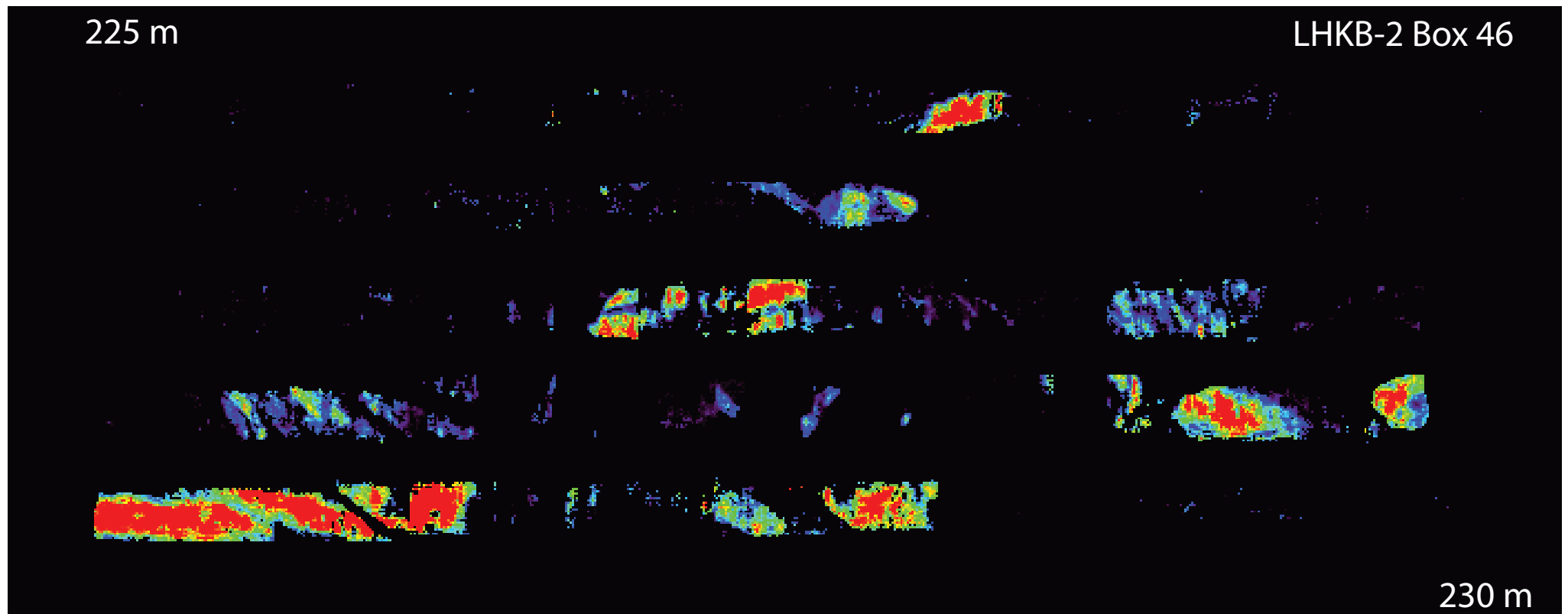


Apatite intensity (LWIR) LHKB- 2

increasing depth



0

50





1880

1870-1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

1882

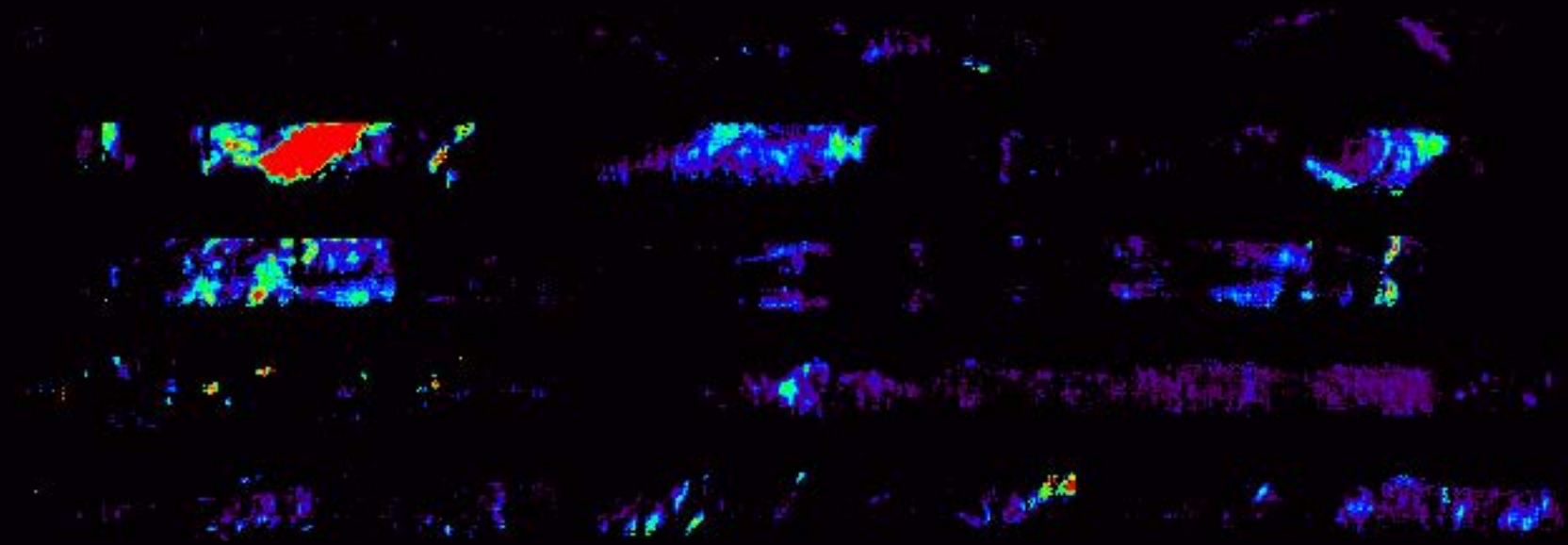


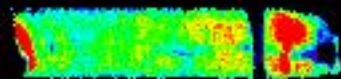
1850

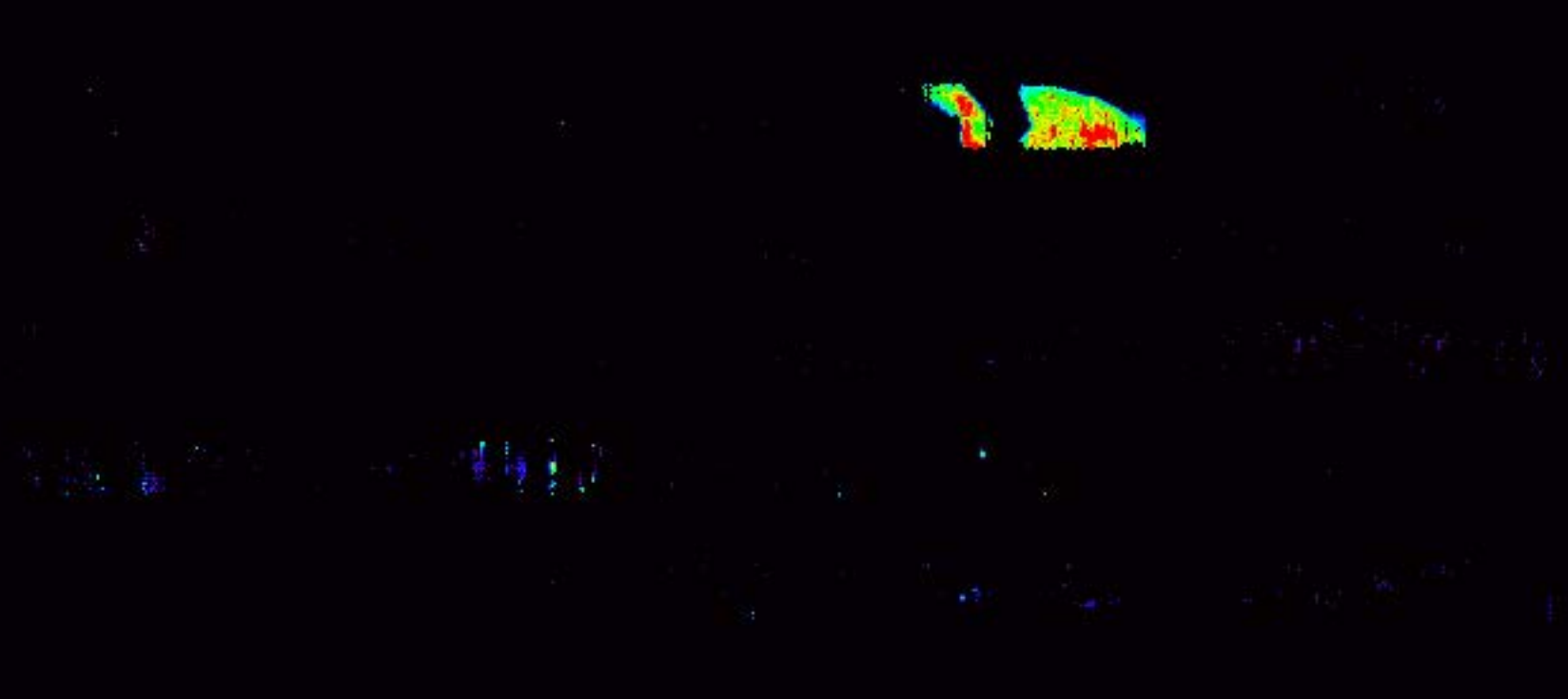
1851

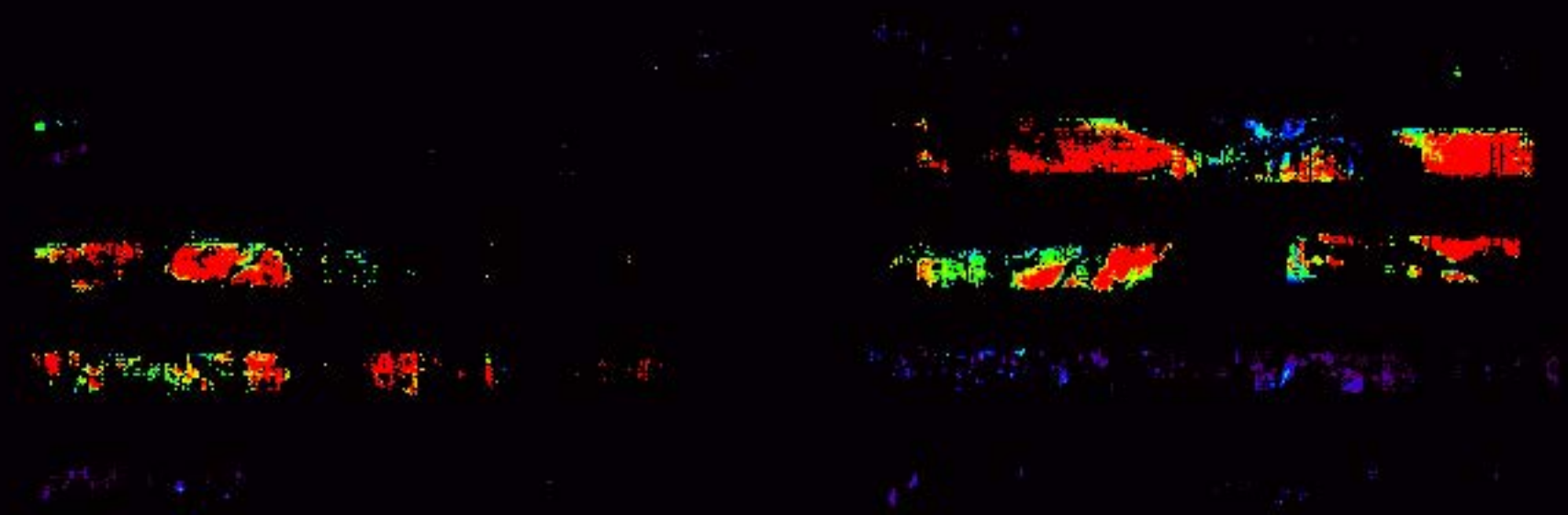
1852

1853





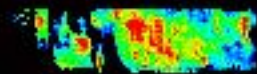
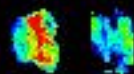








100





1

2

3

4

5

6

7

8

9

10



100

101

102

103

104

105

106

714

206

714

206

714

714

714

206

11

12

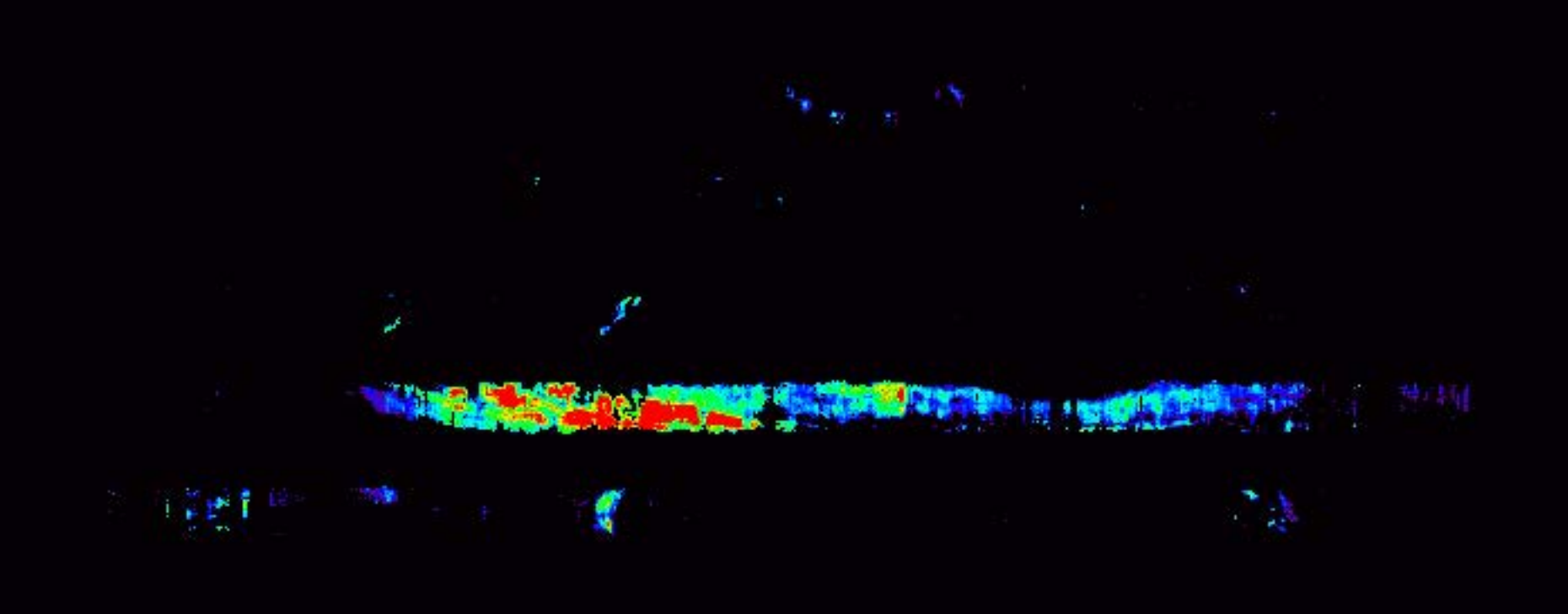
13

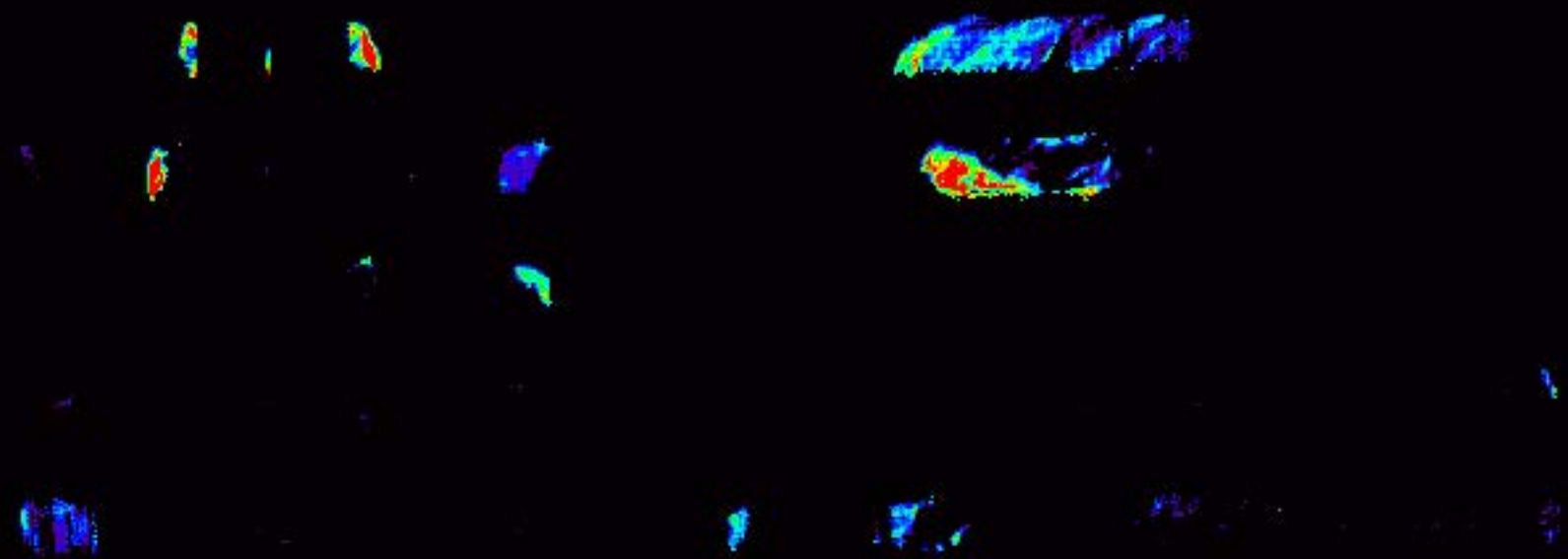
14

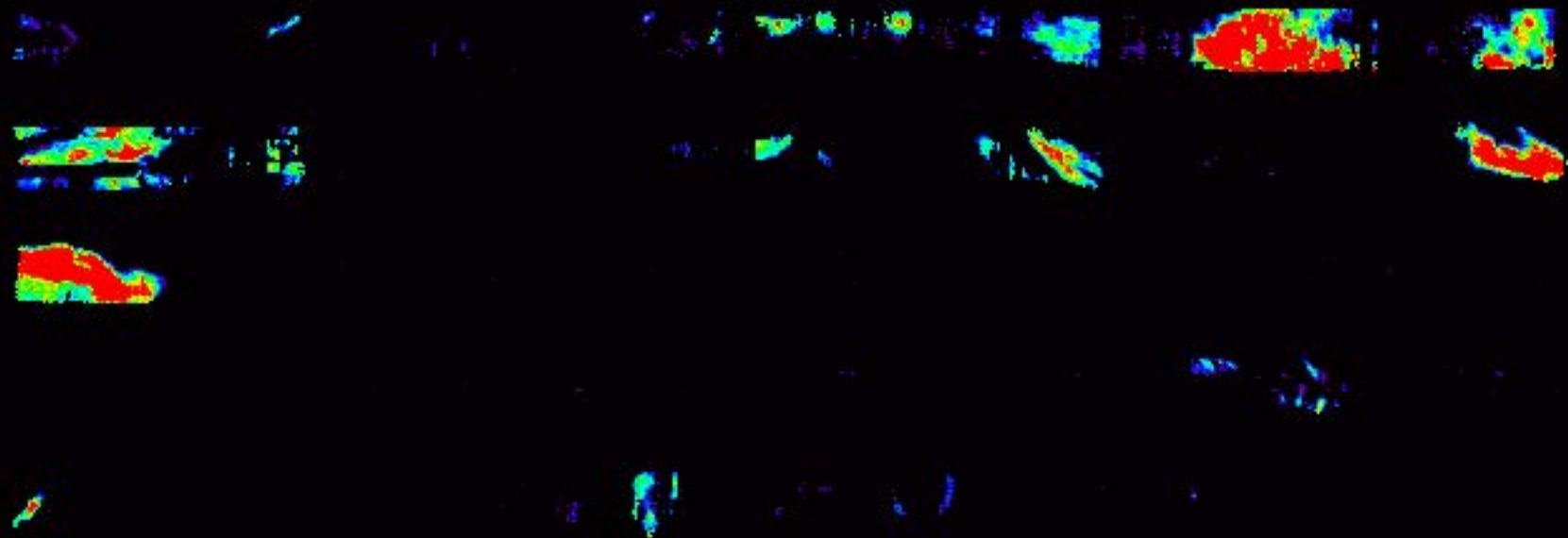
15

16

17









1

2

3

4

5

6

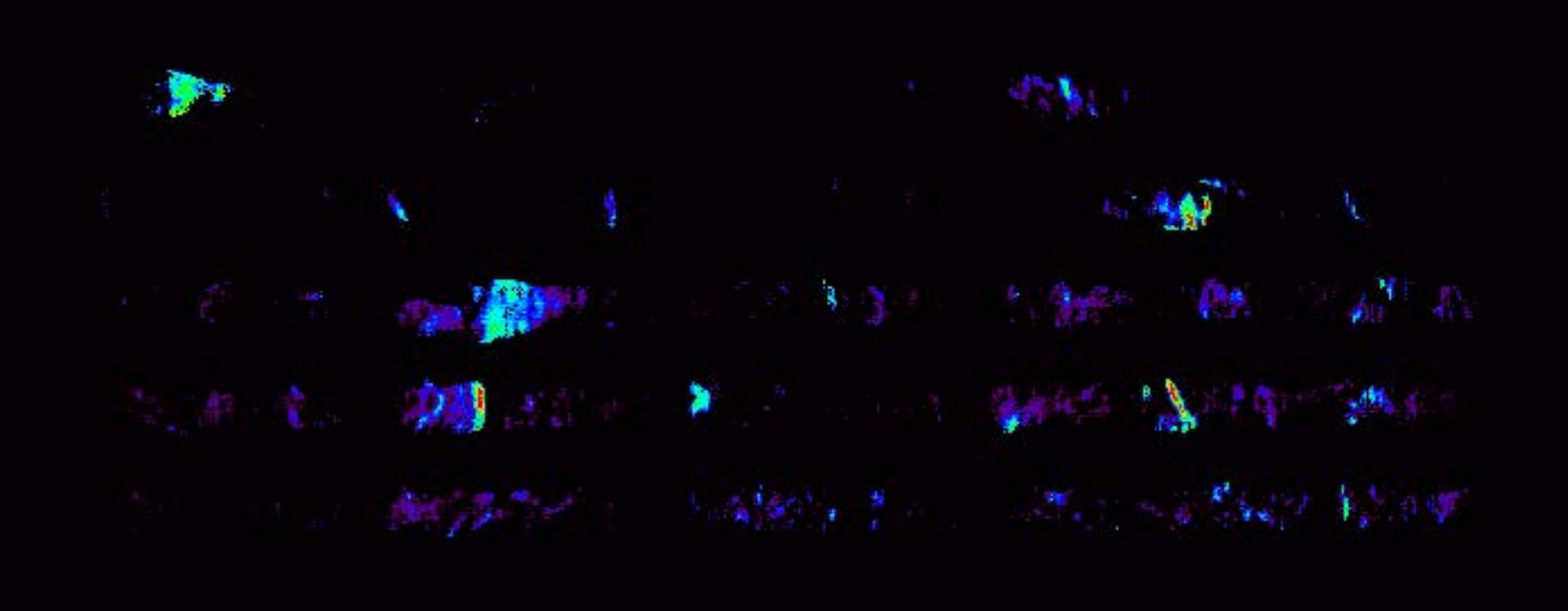
7

8

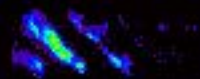
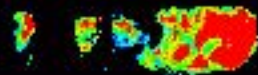
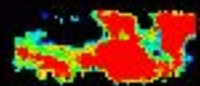
9

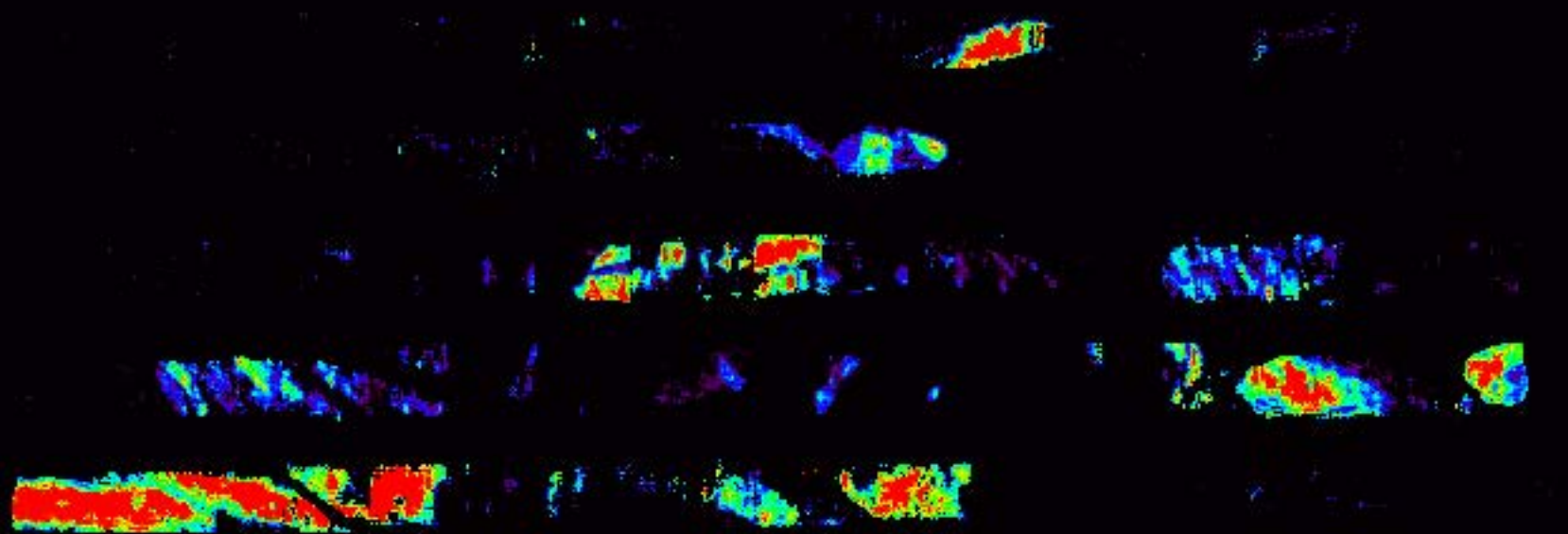
10

11

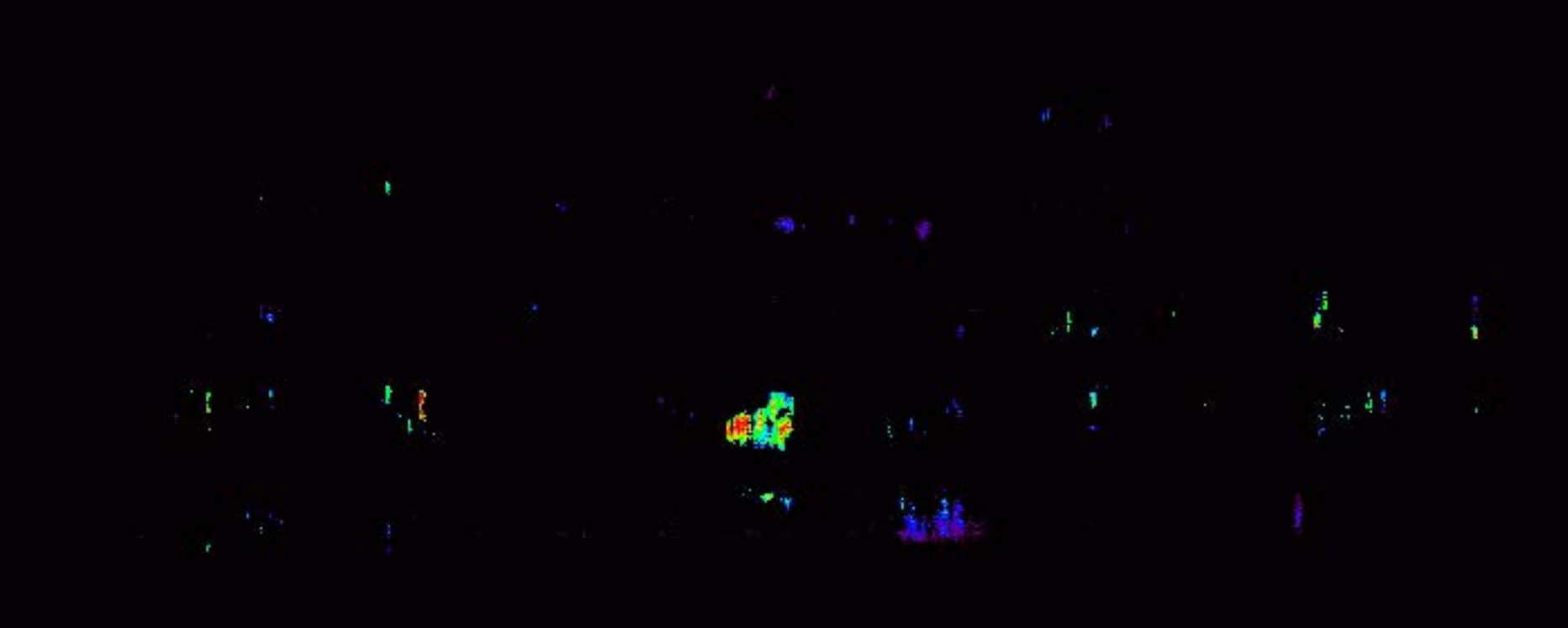






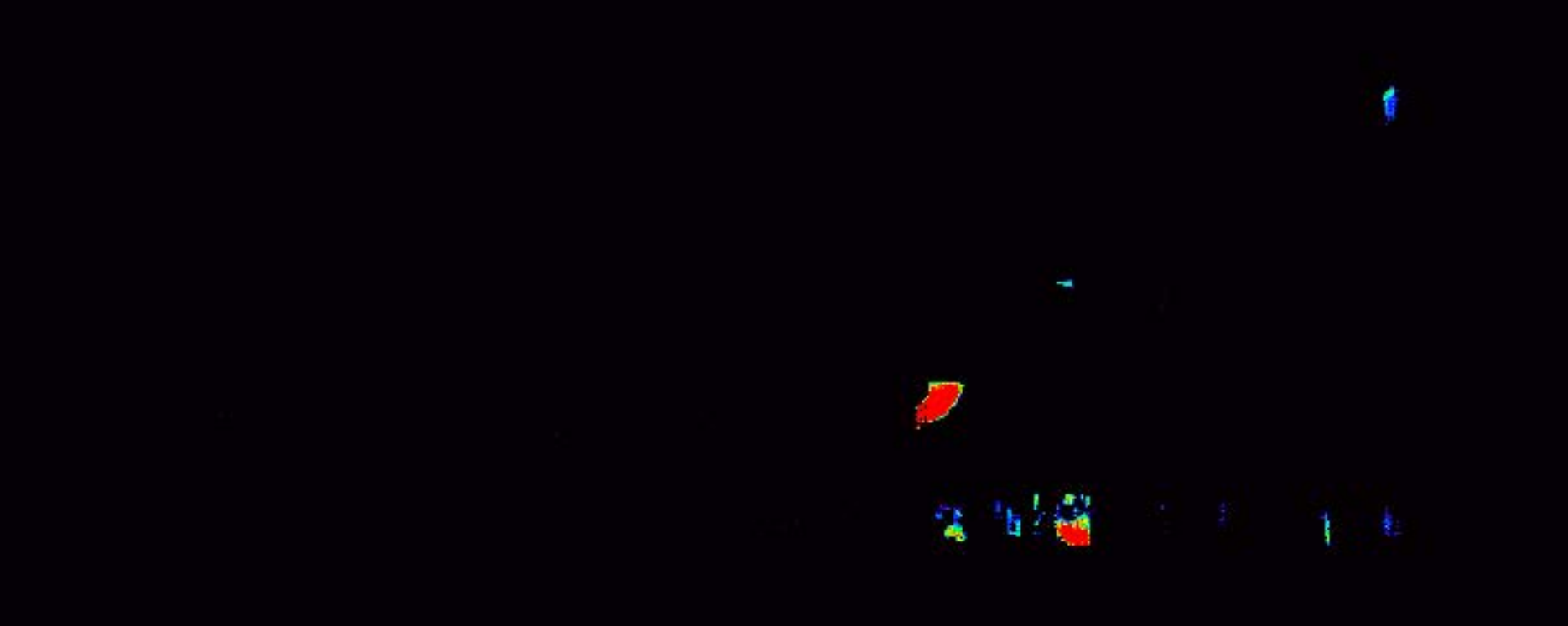












1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

1911

1912

1913

1914

1915

1916

1917

1918

1919

1920

1921

1922

1923

1924

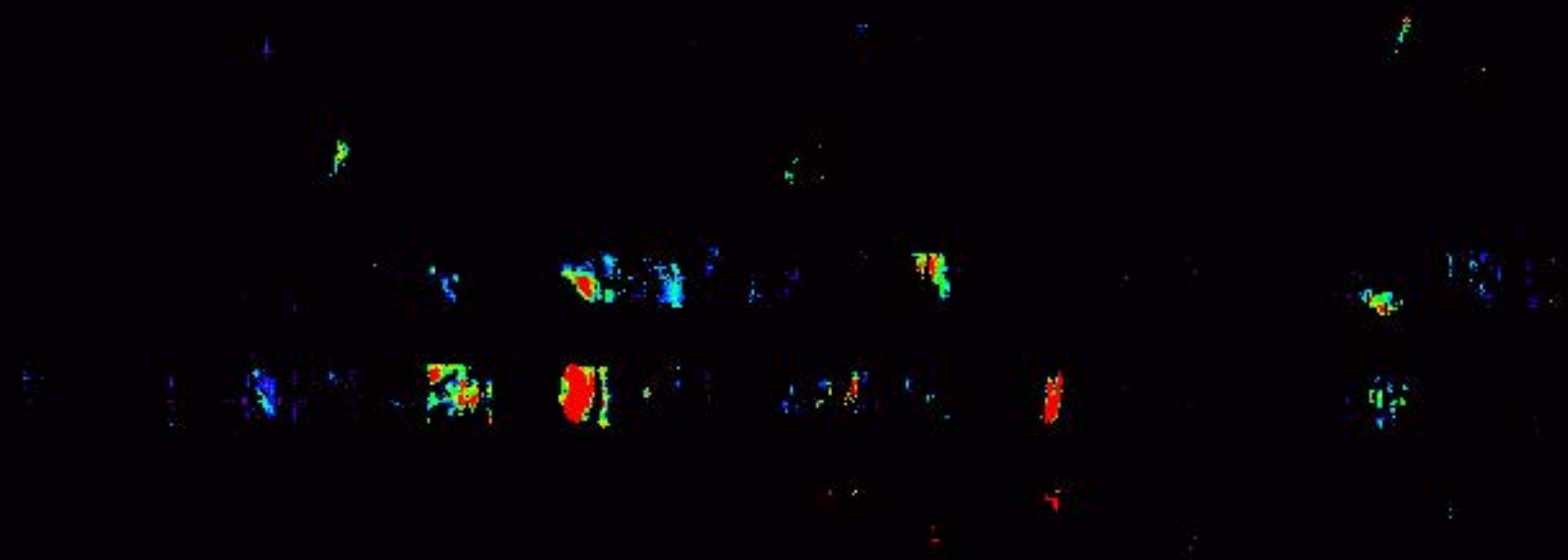
1925

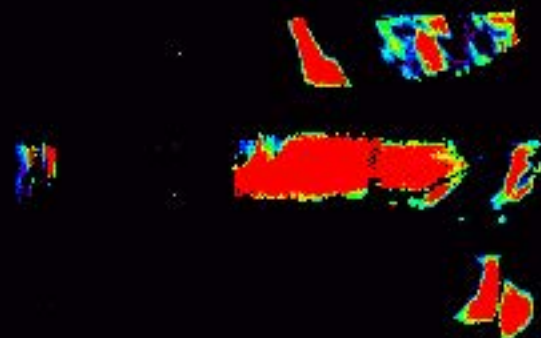
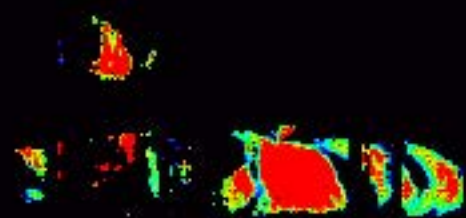
1926

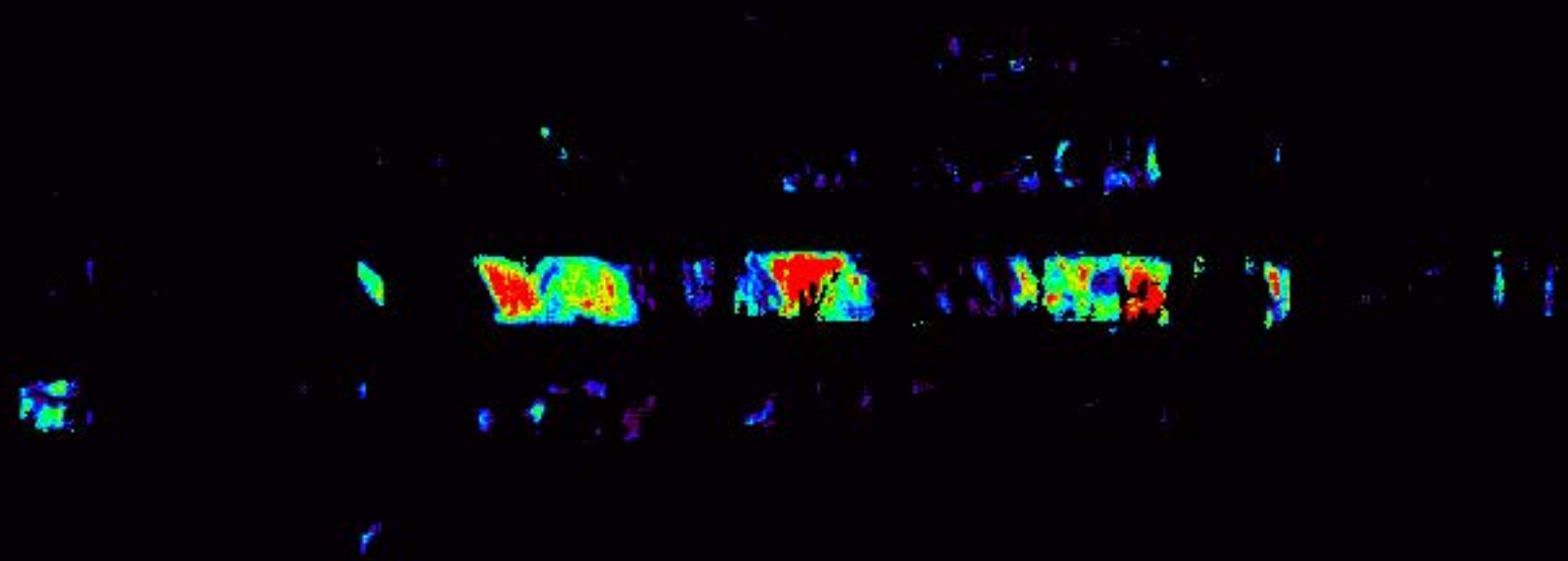
1927

1928

1929



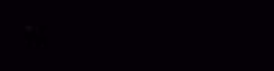
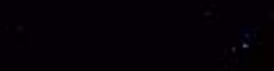
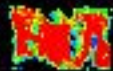
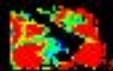


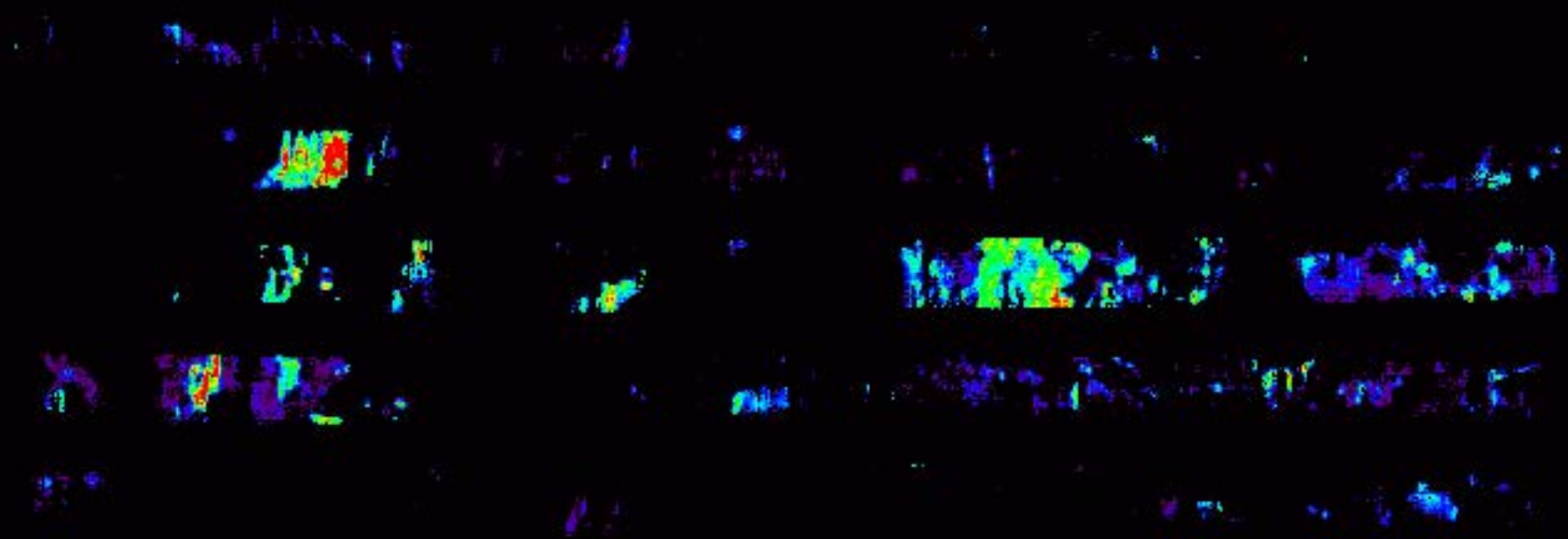


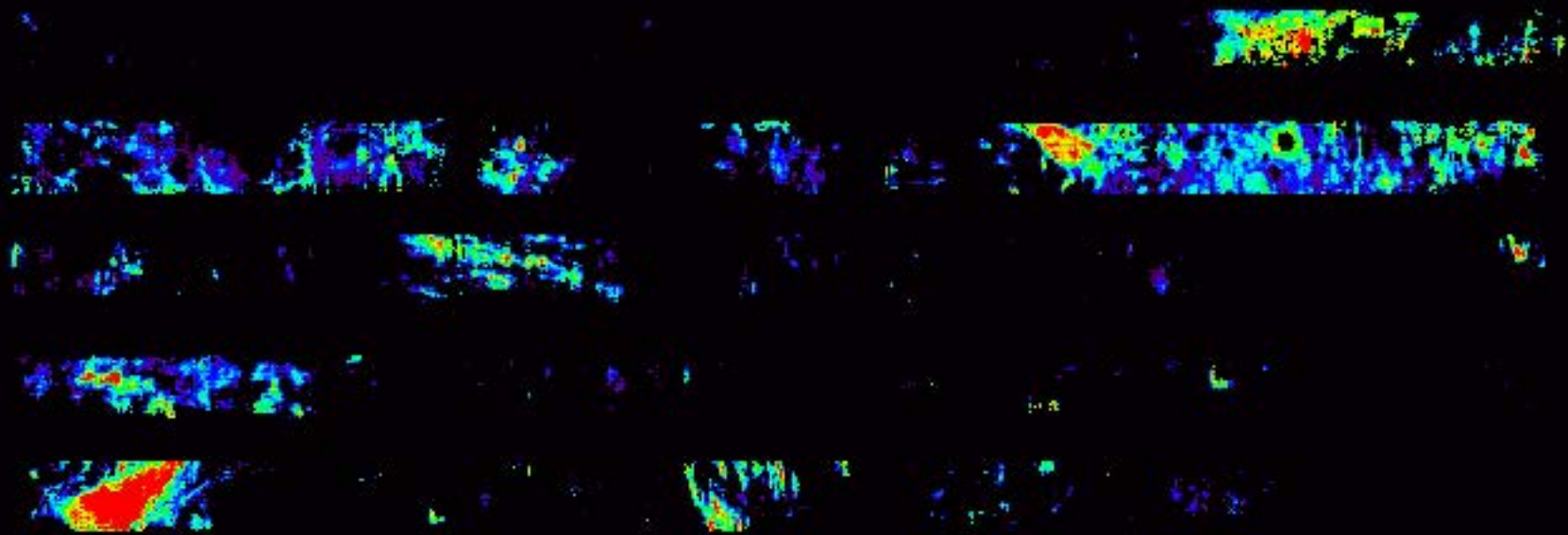


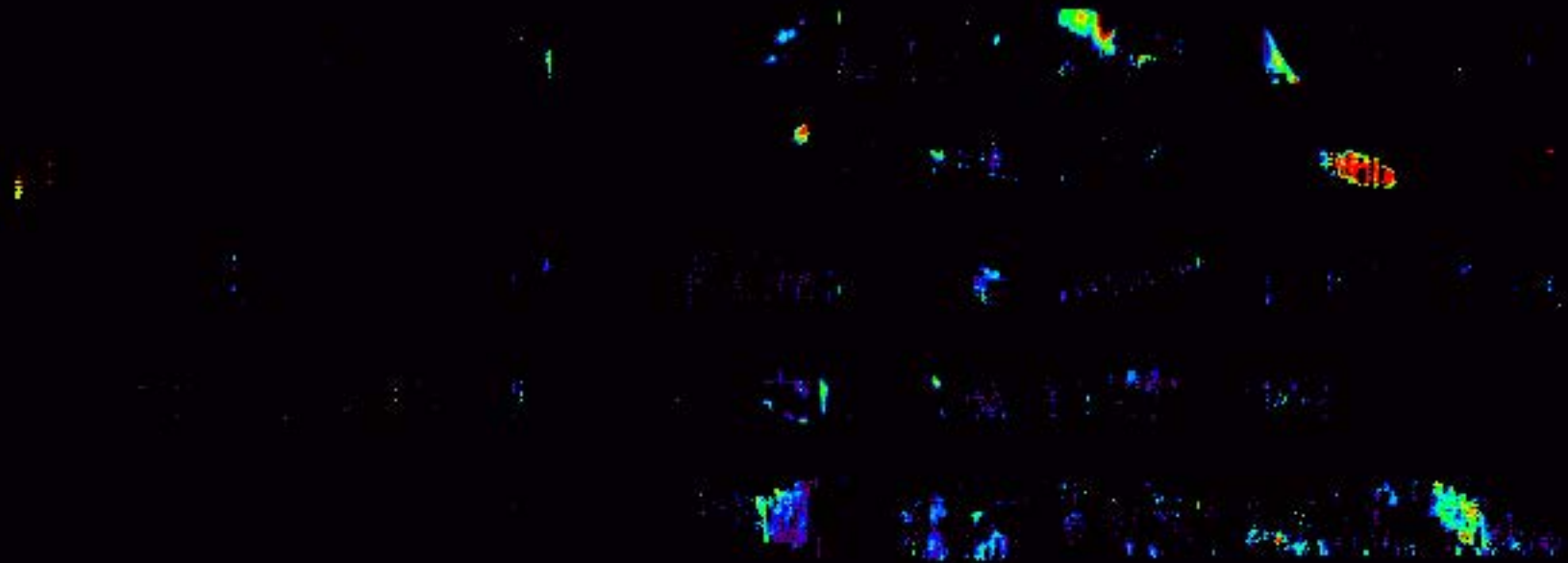




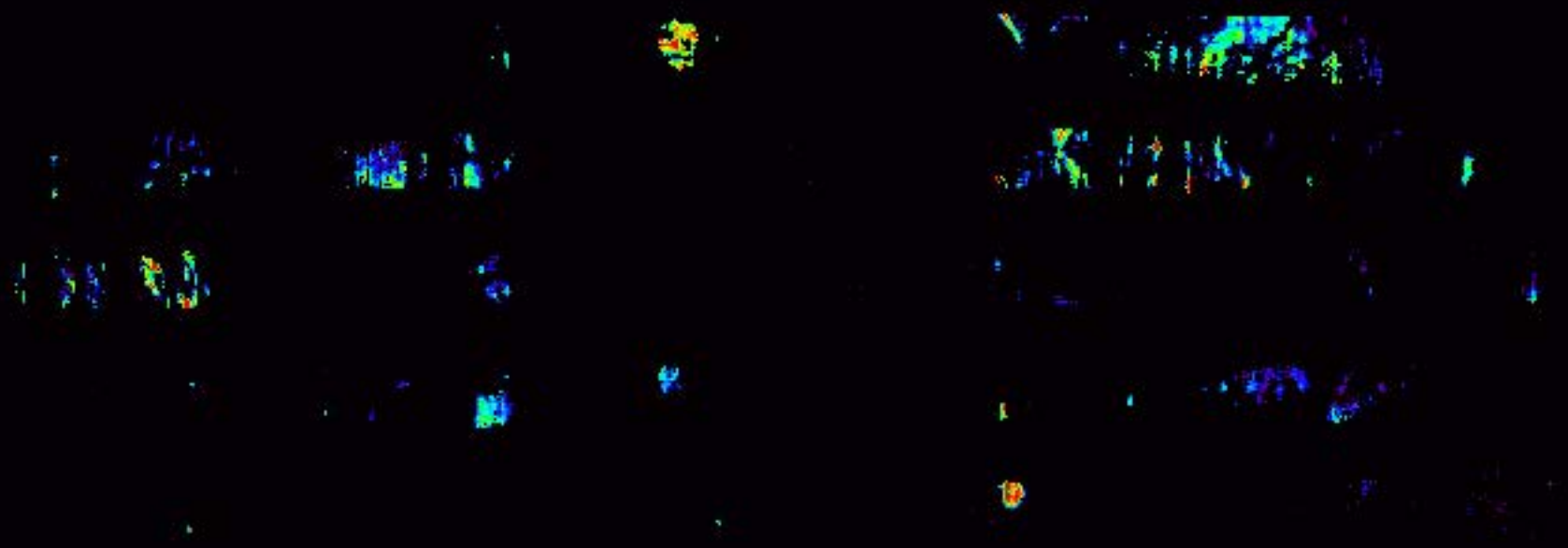


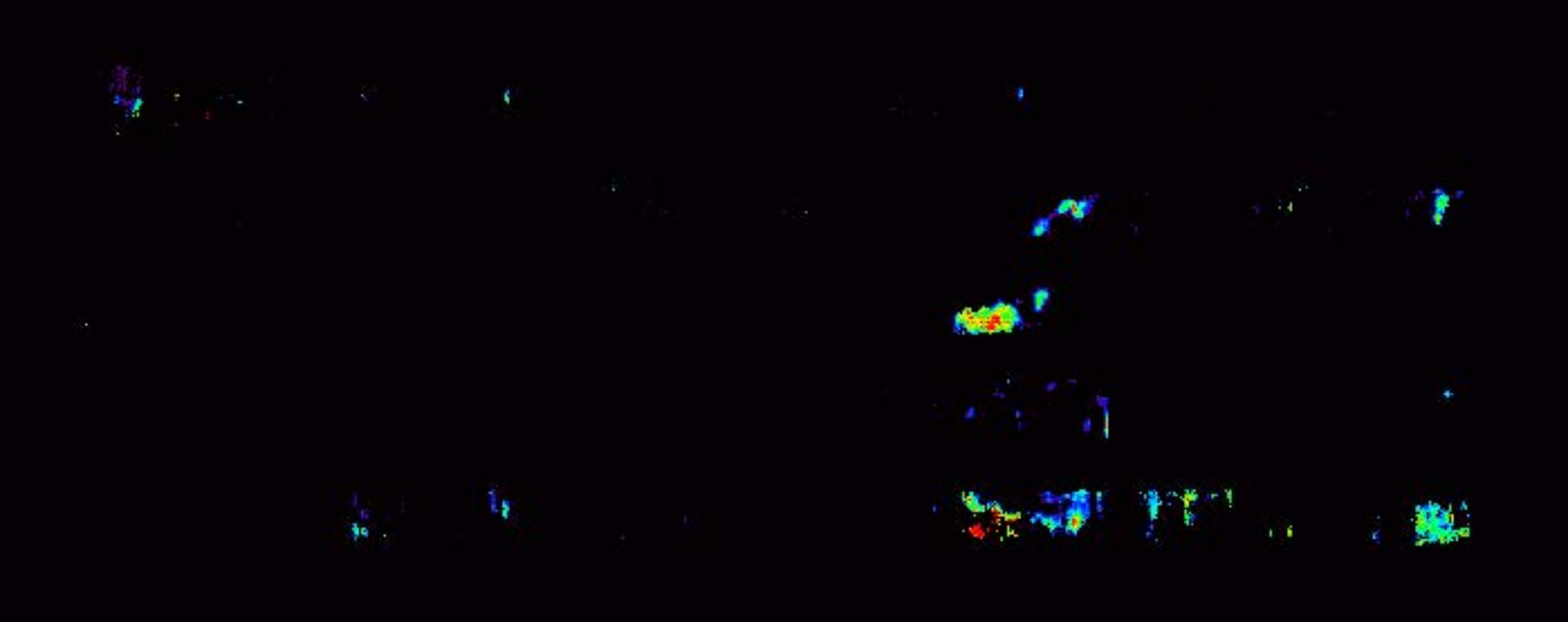


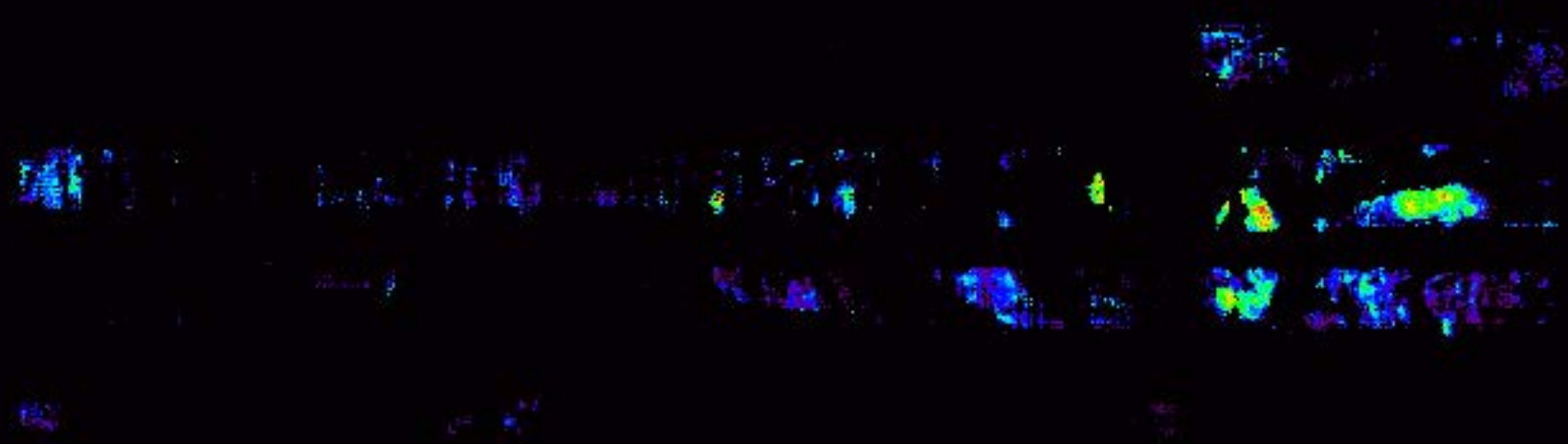


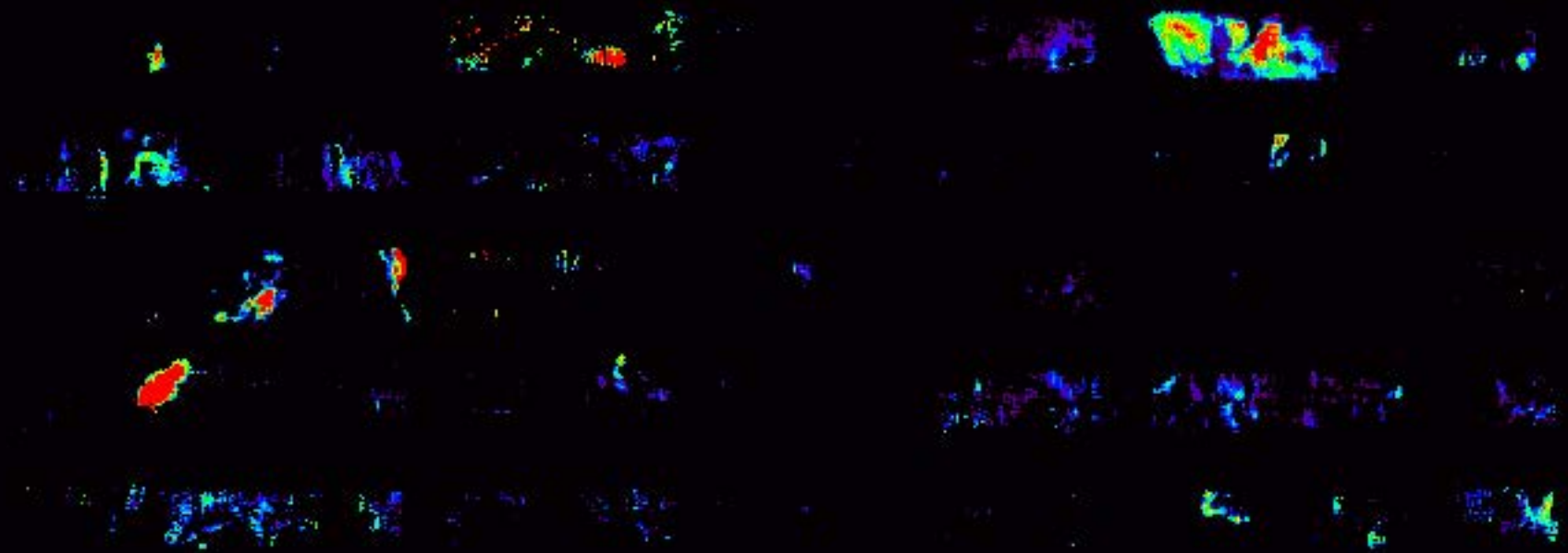












1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

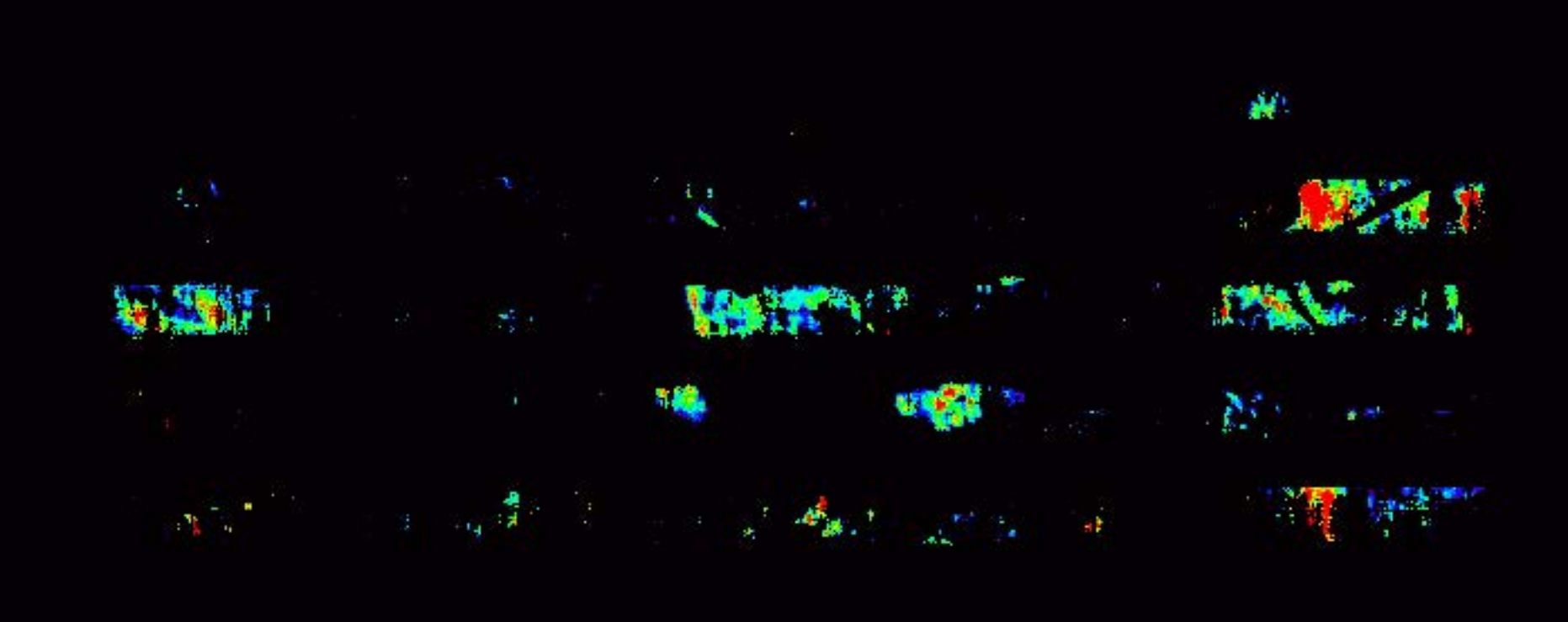
1882

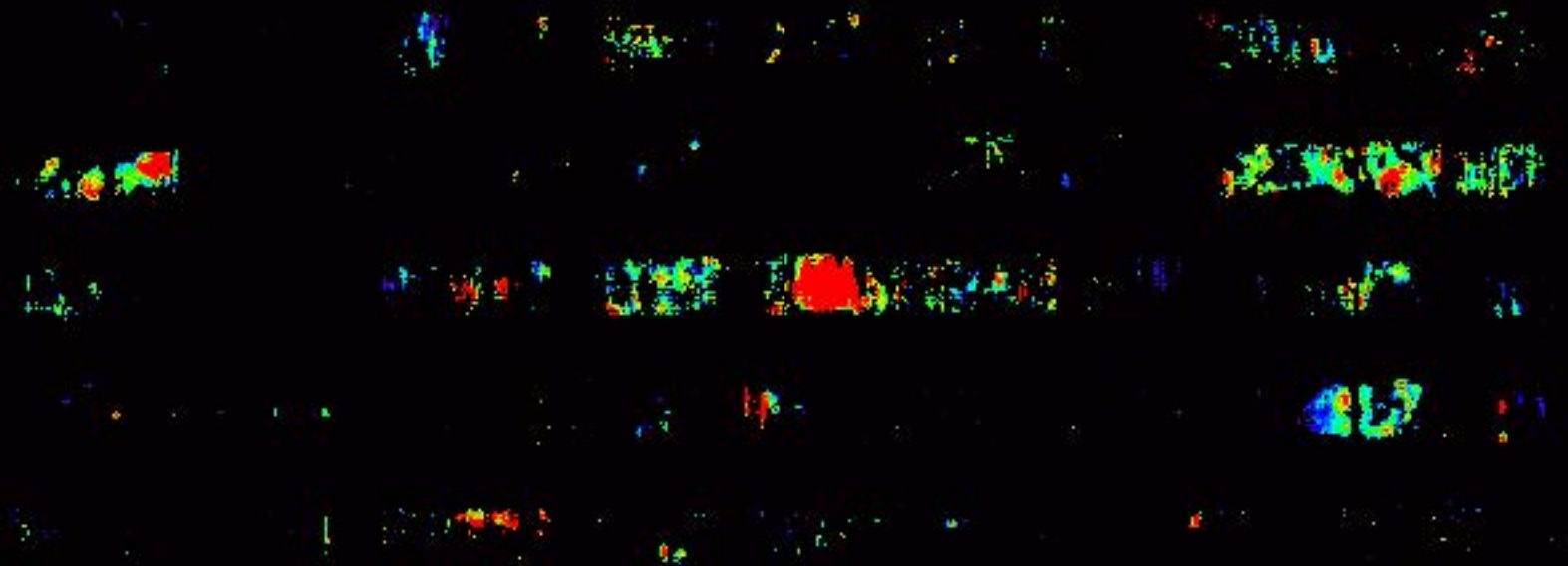
1883

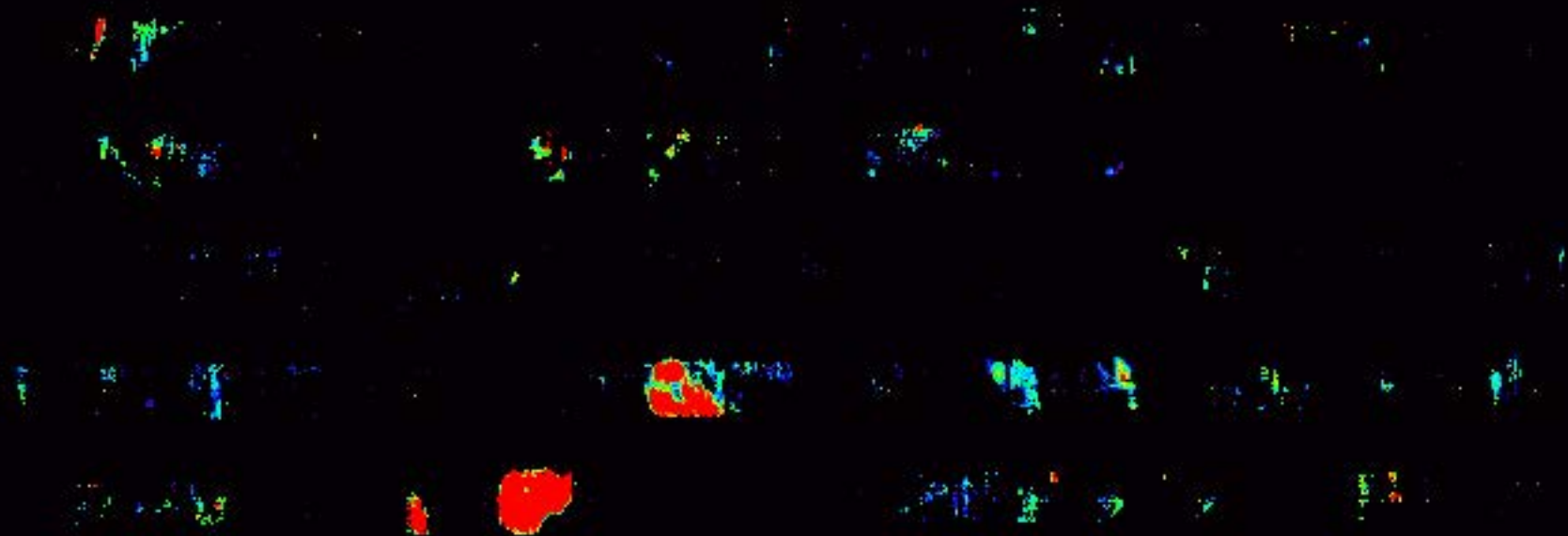
1884

1885









1875
1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894

1895

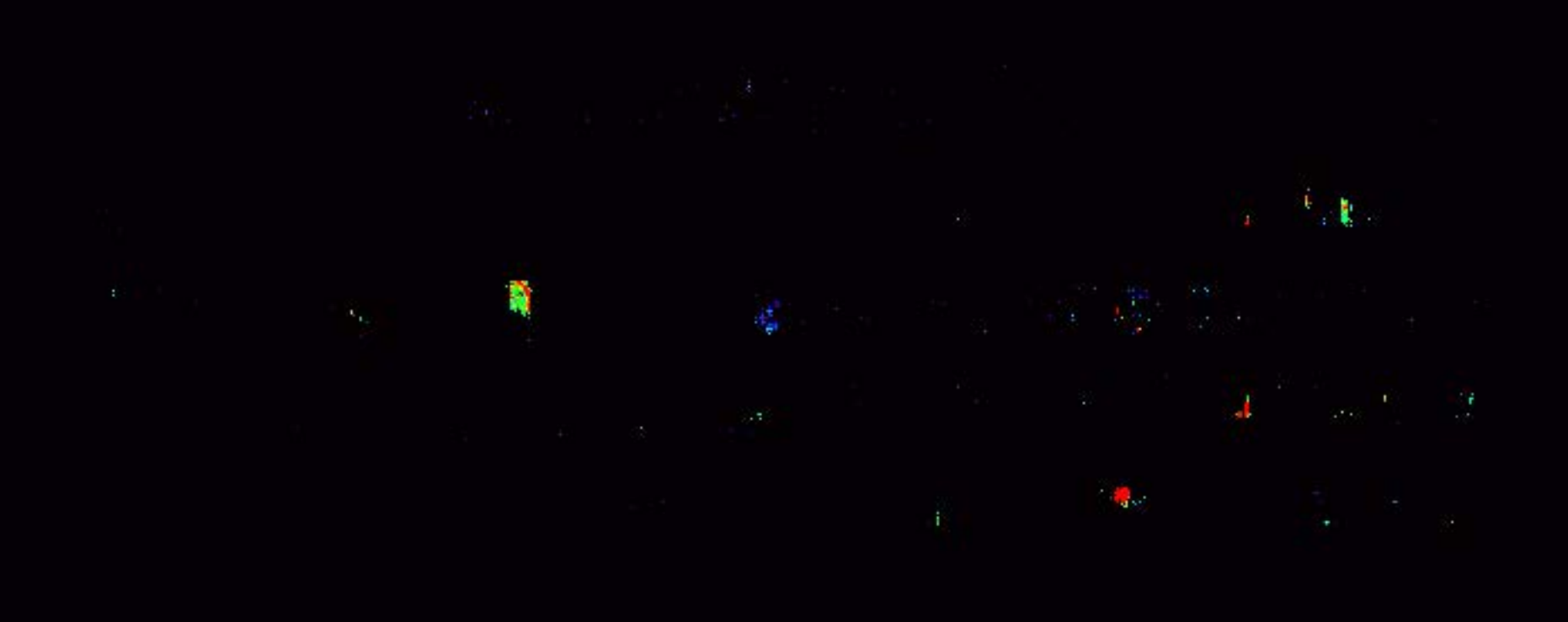
1896

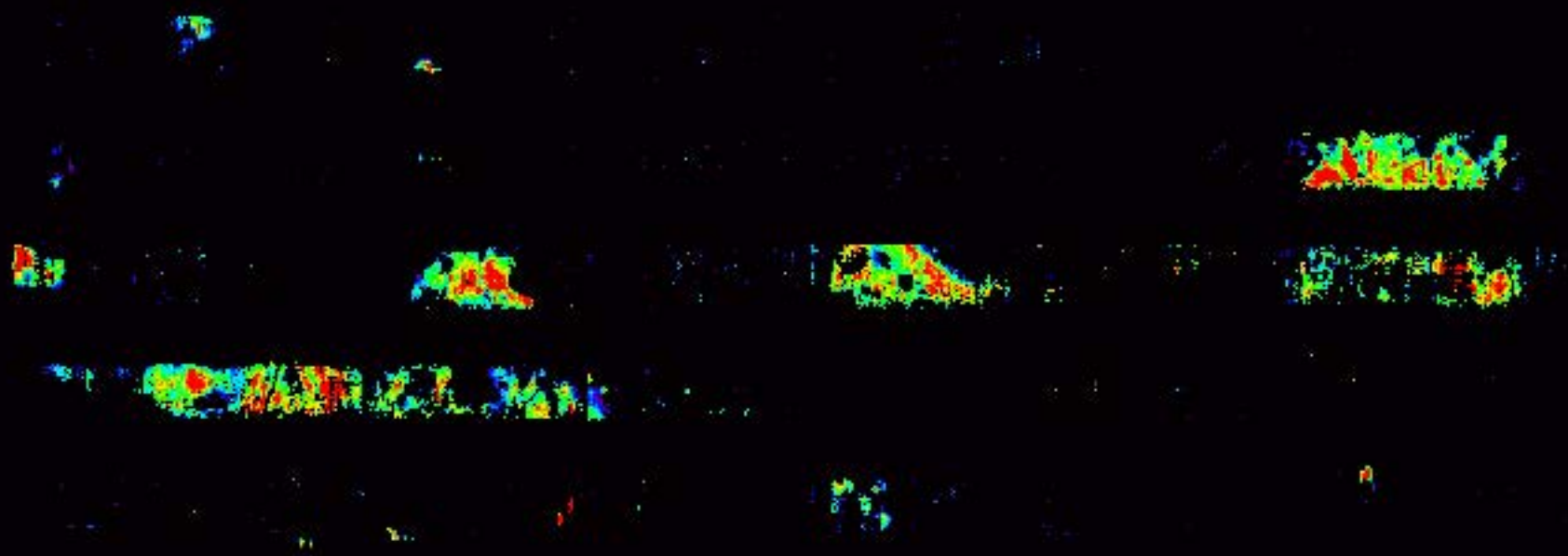
1897

1898

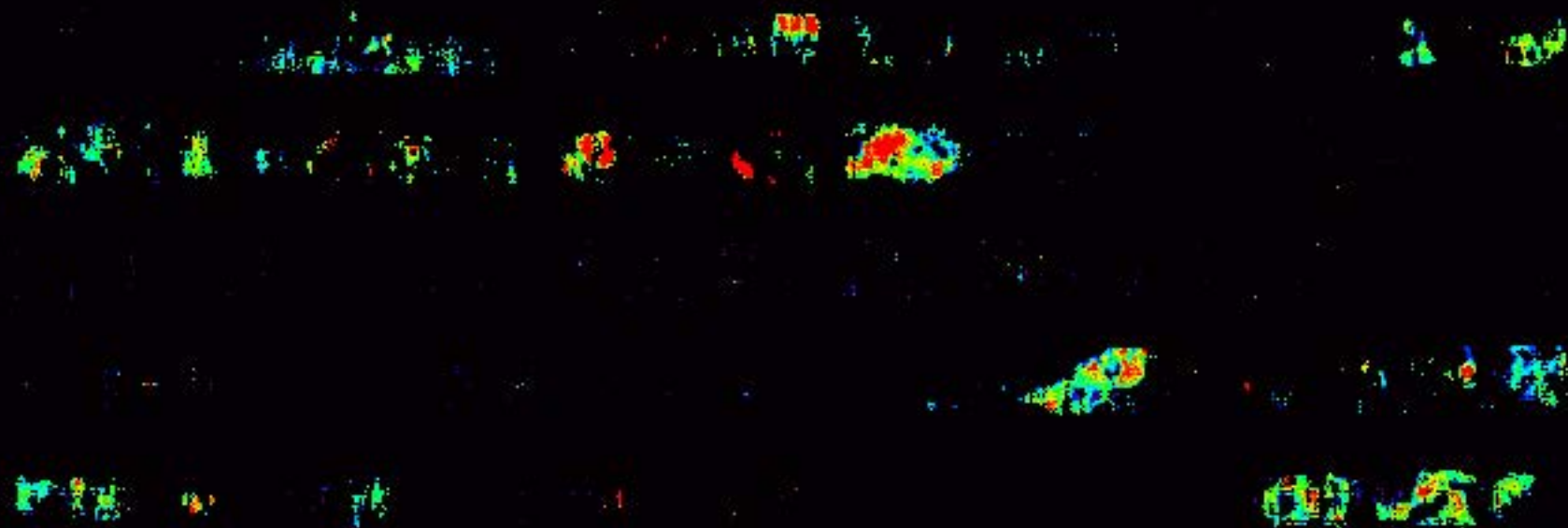
1899

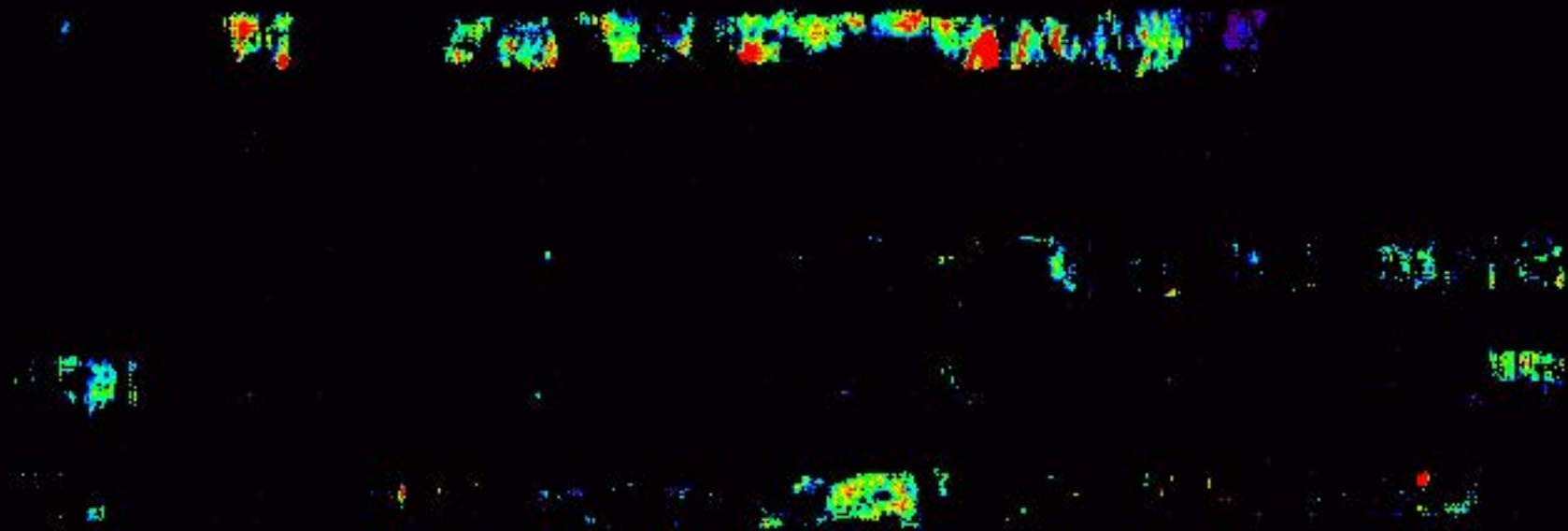
1900



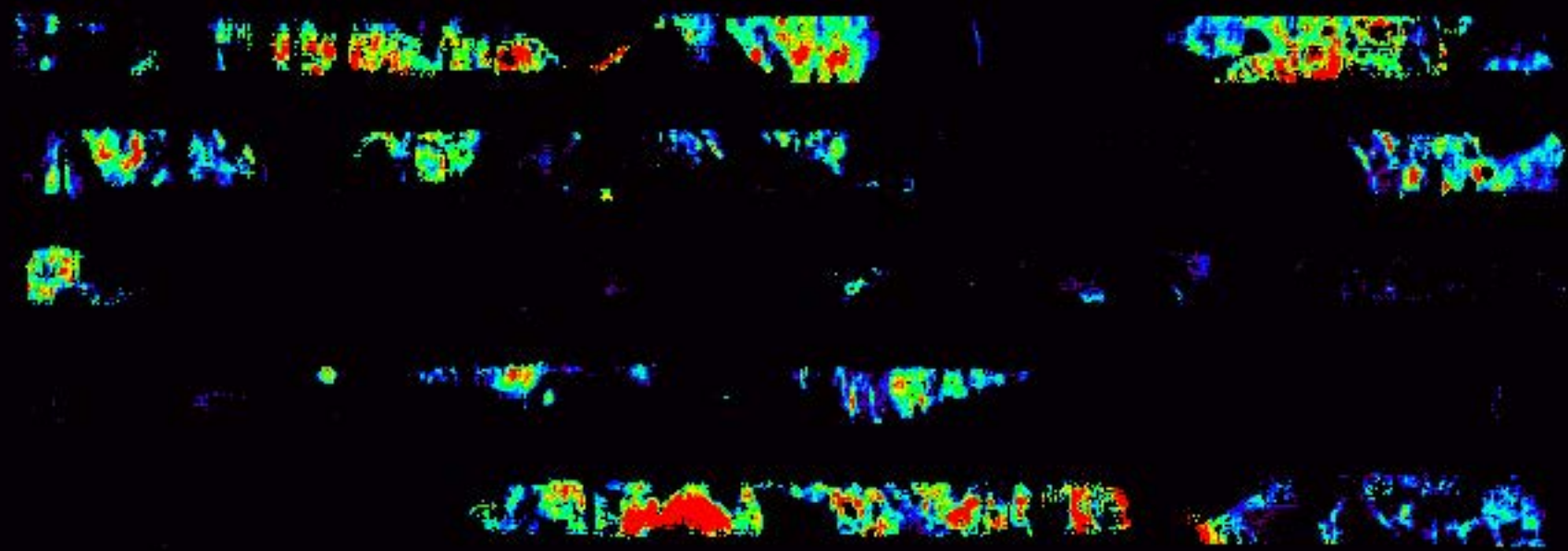












10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

1870-1871
1871-1872
1872-1873

1873-1874
1874-1875
1875-1876

1876-1877
1877-1878
1878-1879

1879-1880
1880-1881
1881-1882

1882-1883
1883-1884
1884-1885

1885-1886
1886-1887
1887-1888

1888-1889
1889-1890
1890-1891

1891-1892
1892-1893
1893-1894

1894-1895
1895-1896
1896-1897

1897-1898
1898-1899
1899-1900

1900-1901
1901-1902
1902-1903

1903-1904
1904-1905
1905-1906

1906-1907
1907-1908
1908-1909

1909-1910
1910-1911
1911-1912

1912-1913
1913-1914
1914-1915

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

40

41

42

43

44

45

46

111

112

113

114

115

116

117

118

119

120

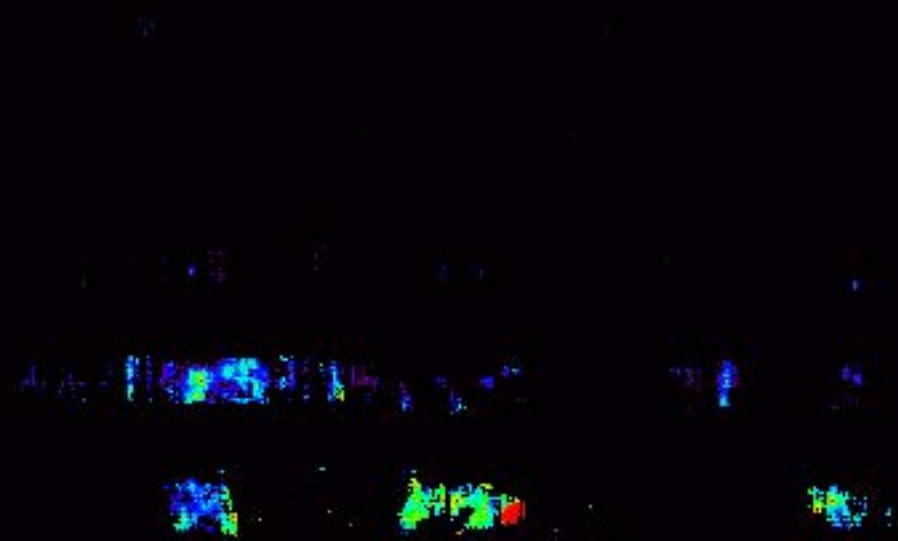
121

122

123

124







1942-43

1943-44

1944-45

1945-46

1946-47

1947-48

1948-49

1949-50

1950-51

1951-52

1952-53

1953-54

1954-55

1955-56

1956-57

1957-58

1958-59

1959-60

1960-61

1961-62

1962-63

1963-64

1964-65

1965-66

1966-67

1967-68

1968-69

1969-70

1970-71

1971-72

1972-73

1973-74

1974-75

1975-76

1976-77

1977-78

1978-79

1979-80

1980-81

1981-82

1982-83

1983-84

1984-85

1985-86

1986-87

1987-88

1988-89

1989-90

1990-91

1991-92

1992-93

1993-94

1994-95

1995-96

1996-97

1997-98

1998-99

1999-00

2000-01

2001-02

2002-03

2003-04

2004-05

2005-06

2006-07

2007-08

2008-09

2009-10

2010-11

2011-12

2012-13

2013-14

2014-15

2015-16

2016-17

2017-18

2018-19

2019-20

2020-21

2021-22

2022-23

2023-24

2024-25

2025-26

2026-27

2027-28

2028-29

2029-30

2030-31

2031-32

2032-33

2033-34

2034-35

2035-36

2036-37

2037-38

2038-39

2039-40

2040-41

2041-42

2042-43

2043-44

2044-45

2045-46

2046-47

2047-48

2048-49

2049-50

2050-51

2051-52

2052-53

2053-54

2054-55

2055-56

2056-57

2057-58

2058-59

2059-60

2060-61

2061-62

2062-63

2063-64

2064-65

2065-66

2066-67

2067-68

2068-69

2069-70

2070-71

2071-72

2072-73

2073-74

2074-75

2075-76

2076-77

2077-78

2078-79

2079-80

2080-81

2081-82

2082-83

2083-84

2084-85

2085-86

2086-87

2087-88

2088-89

2089-90

2090-91

2091-92

2092-93

2093-94

2094-95

2095-96

2096-97

2097-98

2098-99

2099-00

2100-01

2101-02

2102-03

2103-04

2104-05

2105-06

2106-07

2107-08

2108-09

2109-10

2110-11

2111-12

2112-13

2113-14

2114-15

2115-16

2116-17

2117-18

2118-19

2119-20

2120-21

2121-22

2122-23

2123-24

2124-25

2125-26

2126-27

2127-28

2128-29

2129-30

2130-31

2131-32

2132-33

2133-34

2134-35

2135-36

2136-37

2137-38

2138-39

2139-40

2140-41

2141-42

2142-43

2143-44

2144-45

2145-46

2146-47

2147-48

2148-49

2149-50

2150-51

2151-52

2152-53

2153-54

2154-55

2155-56

2156-57

2157-58

2158-59

2159-60

2160-61

2161-62

2162-63

2163-64

2164-65

2165-66

2166-67

2167-68

2168-69

2169-70

2170-71

2171-72

2172-73

2173-74

2174-75

2175-76

2176-77

2177-78

2178-79

2179-80

2180-81

2181-82

2182-83

2183-84

2184-85

2185-86

2186-87

2187-88

2188-89

2189-90

2190-91

2191-92

2192-93

2193-94

2194-95

2195-96

2196-97

2197-98

2198-99

2199-00

2200-01

2201-02

2202-03

2203-04

2204-05

2205-06

2206-07

2207-08

2208-09

2209-10

2210-11

2211-12

2212-13

2213-14

2214-15

2215-16

2216-17

2217-18

2218-19

2219-20

2220-21

2221-22

2222-23

2223-24

2224-25

2225-26

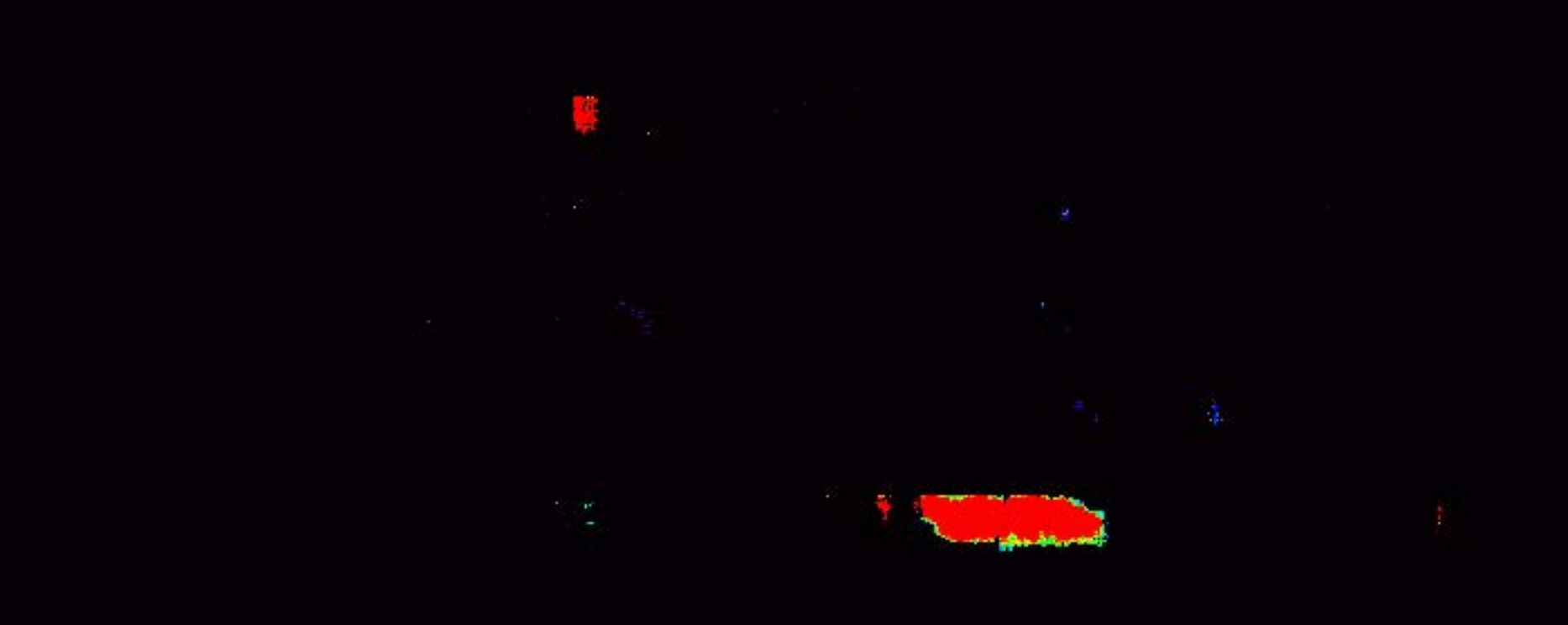
2226-27

2227-28

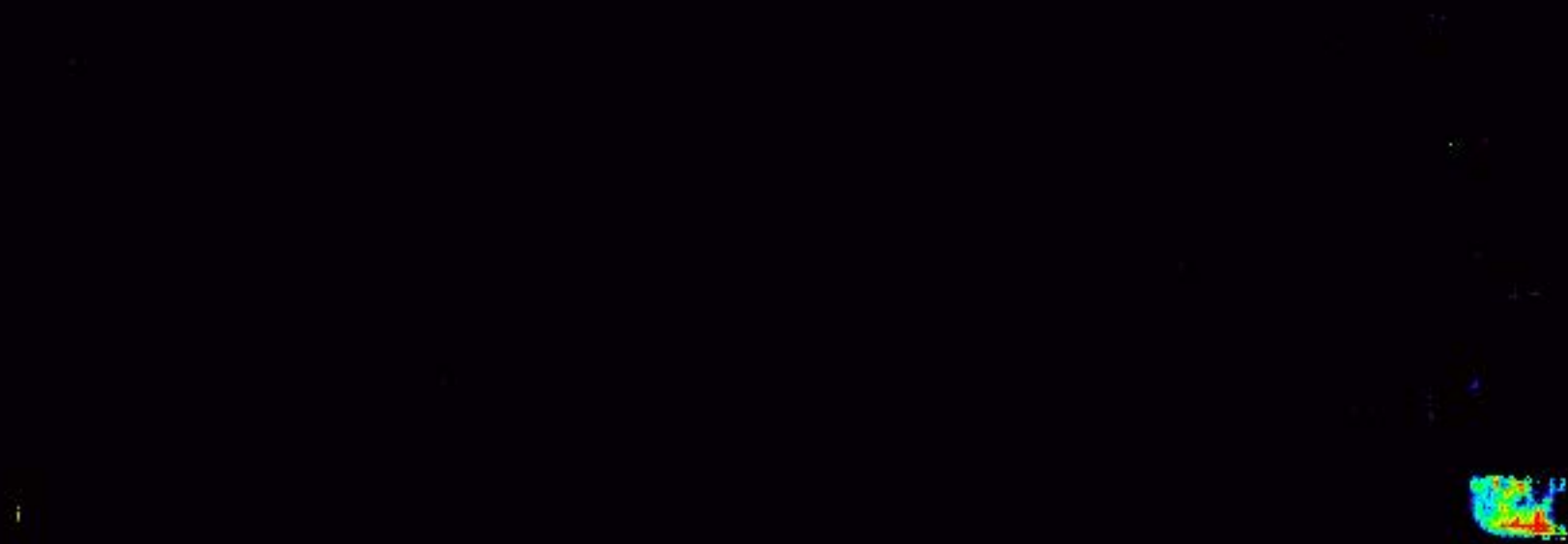
2228-29

2229-30











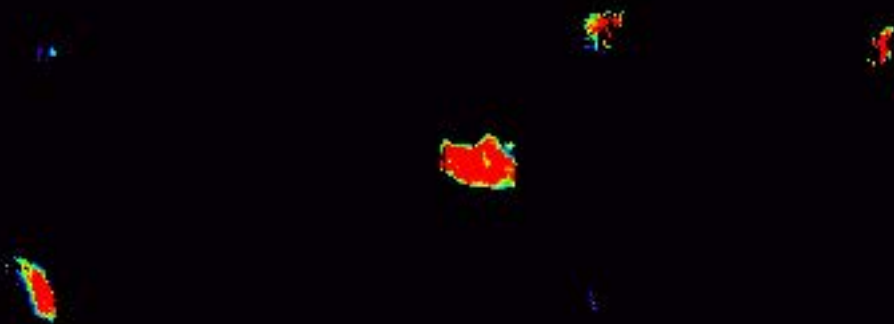


Figure 1: A 3D visualization of a sparse point cloud with colored clusters.

1894

1895

1896

1897

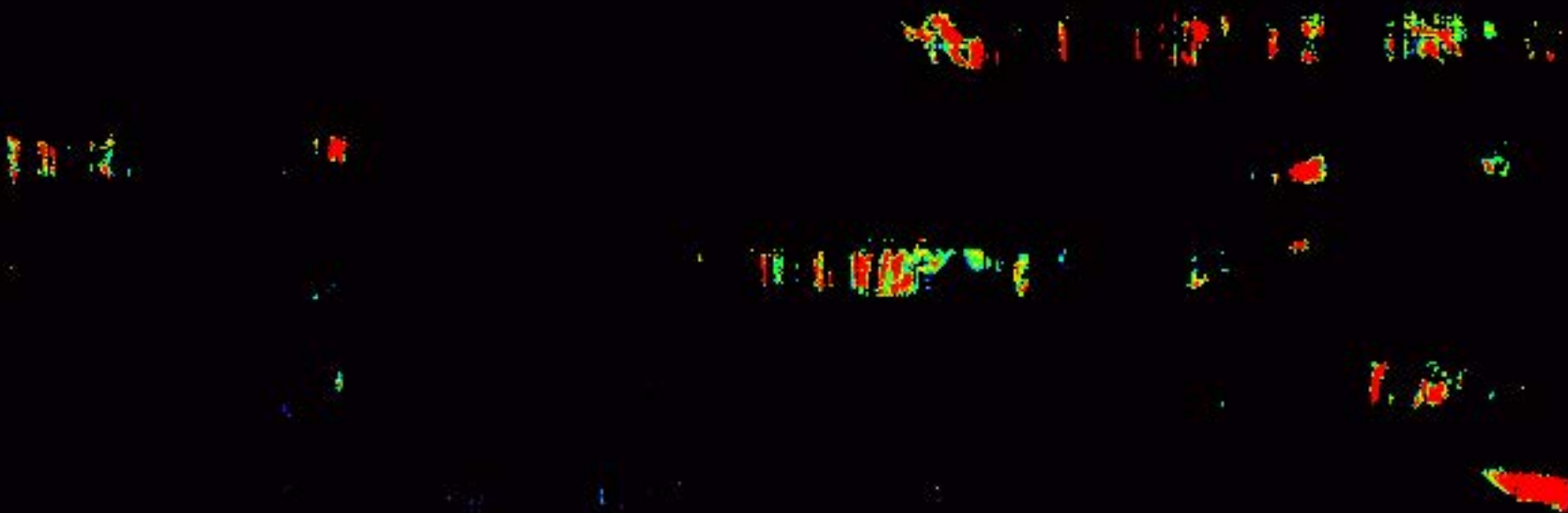
1898

1899

1900

1901

1902



100

100

100

100

SAVING THE

SAVING THE

100

100

100

1

2

3

4

5

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894





