Witness Group Factual Report

APPENDIX A

Witness Spreadsheet

DCA02MA001

#	Location	W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
																		Sources	FIRE	
1	Beach 130th Street & Rockaway Beach Blvd.				1				1								1			
2	165 Beach 119th Street				1				1								1			
3	Rockaway Parkway train station		1										1				1			
4	Beach 133rd Street and Newport Avenue		1		1		1										1	1		1	
5	413 Beach 122nd Street			1											1					
6	189 Beach 117th Street				1				1								1			
7	Beach 174th Street & Shore Front Pkwy			1	1															
8	196 Beach 131st Street	1			1										1					
9	Belt Parkway and Flatbush Ave		1	1					1							1	1			
10	Belt Parkway East Bound Past Exit 9B	1		1																1
11	177 Beach 134th Street				1															
12	426 Beach 135th Street	1			1				1								1			
13	Floyd Bennett Field	1			1				1								1			
14	On Boat off of 177th Street in Jamaica Bay			1	1				1								1			
15	524 Beach 136th Street			1											1					
16	524 Beach 136th Street	1													1					
17	Beach 116th Street & Newport Avenue	1	1												1					
18	Boat west of Crossbay Bridge				1		1										1			
19	512 Beach 129th Street	1			1										1					
20	On Boat South of Breezy Point near Riis Beach	1		1		1	1										1			
21	Beach 108th Street at Rockaway Freeway End	1		1				1								1	1			
22	Beach 129th Street and Cronston Avenue				1							1					1			
23	Flatbush Avenue, Belt Parkway Entrance	1							1								1			
24	Beach 129th Street and Newport Avenue				1															
25	424 Beach 143rd Street			1	1	1											1			
26	Crossbay Bridge	1	1	1	1							1					1			
27	411 Beach 133rd Street				1									1						
28	189 Beach 123rd Street		1	1										1						
29	130th Street and Rockaway Beach Boulevard			1							1						1			
30	unknown				1															
31	505 Beach 129th Street				1									1						
32	125 Beach 124th Street		1											1						
33	267 Beach 130th Street	1			1							1					1			
34	141 Beach 122nd Street	1			1				1								1			
35	Marine Parkway Bridge			1								1					1			
36	British Airways Flight 178 at JFK			1	1									1						
37	Beach 116th St. and Beach Channel Drive		1		1									1						
38	On Boat off of 177th Street in Jamaica Bay	1		1	1							1					1			
39	547 Beach 134th Street				1							1					1			
40	Van Wyck Expressway at JFK	1		1		1											1			
41	516 Beach 135th Street	1												1						
42	189 Beach 117th Street	1			1							1					1			
43	102-00 Shore Front Parkway				1															
44	On Boat South of Breezy Point near Riis Beach	1		1						1	1						1			
45	461 Beach 128th Street				1															

#	Smoke								Noise		Motion						Parts										
	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
1									1			1														1	1
2									1			1							1							1	1
3									1			1														1	
4								1	1			1						1									1
5									1			1														1	1
6									1			1	1			1											
7		1						1	1			1	1													1	1
8						1			1			1														1	
9		1						1			1	1							1							1	1
10								1			1	1		1												1	
11			1					1	1						1												
12	1							1	1	1		1				1										1	
13												1		1		1										1	
14									1	1	1	1							1				1			1	1
15					1				1			1				1										1	
16					1				1			1														1	
17					1							1	1			1							1			1	1
18												1	1					1		1							1
19							1		1			1					1										1
20												1				1											1
21							1		1			1	1						1	1							1
22									1			1				1									1		1
23					1				1																	1	
24												1												1			1
25													1					1									1
26				1				1				1			1				1							1	
27					1							1						1							1		1
28					1				1										1								1
29									1						1												1
30												1				1							1				1
31									1			1					1				1						1
32					1							1	1												1		1
33					1				1			1														1	
34					1				1			1				1								1			1
35				1				1				1													1		1
36												1														1	
37					1				1			1	1		1										1		1
38	1							1	1			1		1		1			1				1		1		1
39									1			1															
40				1				1				1	1												1		1
41					1				1			1															
42			1					1	1			1															
43												1			1										1		1
44												1				1									1		1
45									1							1					1	1					1

#	Location	W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
46	Newport Avenue and Beach 139th Street	1													1					
47	Crossbay Bridge				1				1								1			
48	Marine Parkway Bridge				1															
49	Beach at 127th Street	1		1						1							1			
50	Beach 116th Street Newport Avenue	1		1					1								1			
51	155 Beach 137th Street	1			1				1								1			
52	272 Beach 136th Street	1		1	1											1	1			1
53	Beach 135th Street Rockaway Beach Blvd			1				1								1	1			
54	Beach 60th Street at Boardwalk	1		1	1				1							1	1			
55	Jet Blue Flight 41 at JFK		1	1	1				1							1	1			
56	On Boat east of Rockaway Inlet near RH Buoy			1	1				1		1						1			
57	Beach 129th and Newport Avenue		1											1						
58	Beach 133rd Rockaway Beach Blvd	1		1								1					1			
59	On Boat east of Rockaway Inlet near RH Buoy	1		1	1			1									1			1
60	Beach 131 Street & Rockaway Bch Blvd.	1									1						1			
61	407 Beach 124th Street		1	1	1			1									1			1
62	Rockaway Point Blvd and Brooklyn Ramp	1							1							1	1			1
63	Beach 141st Street Newport Avenue	1		1	1						1						1			
64	On Boat near Marine Pkwy Bridge/Floyd Bennett Field			1									1				1			
65	425 Beach 138th Street			1					1								1			
66	153 Beach 124th Street			1																
67	238 Beach 132nd Street	1		1					1								1			
68	547 Beach 127th Street	1		1					1		1						1			
69	Beach 73rd Street and Beach Channel Drive	1		1					1								1			
70	Marine Parkway Bridge				1															
71	414 Beach 123rd Street				1		1										1			
72	Beach 129th Street Cronston Avenue		1		1									1		1	1			
73	Gate 48 Ramp at JFK	1		1										1						
74	On a jetty near Riis Park and Fort Tilden			1								1					1			
75	Marine Parkway Bridge				1									1			1			
76	Walking up from beach on Beach 129th Street	1			1						1						1			
77	Floyd Bennett Field	1		1	1					1							1			
78	418 Beach 123rd Street			1																
79	229 Beach 118th Street			1	1				1								1			
80	Belt Parkway Exit 11			1																
81	160 Beach 117th Street				1				1		1						1			
82	268 Beach 135th Street		1	1					1								1			
83	107-10 Shorefront Parkway		1												1					
84	143 Beach 133rd Street			1	1		1		1								1			
85	Beach 121st Street and Ocean Promenade	1		1											1					
86	Newport Avenue and 126th Street			1																
87	224 Beach 138th Street			1	1															
88	Beach 120th Street and Beach Channel Drive		1																	
89	424 Beach 140th Street		1												1					

#	Smoke								Noise		Motion						Parts										
	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
46							1		1			1			1									1	1		1
47												1							1						1		1
48									1			1						1			1						1
49									1	1		1			1						1						1
50									1			1				1									1		1
51									1	1															1		1
52	1							1	1	1		1						1									1
53									1			1												1	1		1
54	1							1	1	1		1	1			1									1		1
55				1				1				1		1													
56												1														1	
57						1						1														1	
58						1			1	1		1															
59								1				1														1	
60			1					1	1					1					1								1
61								1	1			1				1									1		1
62	1							1	1			1		1											1		1
63											1	1	1						1		1						1
64												1				1							1				1
65									1			1													1		1
66												1												1			1
67									1			1														1	
68									1			1				1								1			1
69												1			1	1									1		1
70												1				1									1		1
71									1			1		1													
72		1		1				1	1	1		1		1			1		1					1			1
73						1						1	1		1	1			1								1
74				1				1	1	1		1															
75																1											
76						1						1	1														
77												1		1		1										1	
78									1															1	1		1
79																								1			1
80																					1						1
81												1				1											
82									1			1														1	
83		1						1	1			1		1					1					1			1
84	1							1	1			1															
85	1							1	1			1	1				1		1						1		1
86									1			1															
87									1																	1	1
88												1					1				1					1	1
89		1						1																			

#	Location	Sources				FIRE												SRE	SRW	STL
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
90	413 Beach 125th Street	1		1	1					1							1			
91	457 Beach 124th Street (EX Short Stat)		1	1	1							1					1			
92	414 Beach 139th Street			1	1															
93	415 Beach 136th Street			1								1					1			
94	426 Beach 145th Street	1			1										1					
95	105-00 Shorefront Parkway	1	1						1							1	1			
96	548 Beach 131st Street				1															
97	Belt Parkway near Knapp Street Exit	1	1	1	1				1								1			
98	430 Beach 130th Street				1						1						1			
99	7400 Shorefront Parkway				1	1		1									1			
100	On Boat east of Rockaway Inlet near RH Buoy	1		1	1				1								1			
101	Beach 88th Street and Rockaway Beach Boulevard		1	1	1						1						1			
102	British Airways Flight 178 at JFK			1	1															
103	Marine Parkway Bridge				1		1										1			
104	114-04 Beach Channel Drive				1					1			1				1			
105	Marine Parkway Bridge				1															
106	Marine Parkway Bridge				1						1						1			
107	Beach 116th Street and Rockaway Beach Boulevard	1			1										1					
108	140 Beach 122nd Street	1			1				1								1			
109	241 Beach 118th Street			1																
110	Floyd Bennett Field		1		1		1		1		1						1			
111	161 Beach 132nd Street				1				1								1			
112	Jacob Riis Park		1	1					1								1			
113	Jacob Riis Park			1					1								1			
114	422 Beach 125th Street	1		1	1															
115	123-10 Ocean Promenade				1															
116	Beach 130th Street and Rockaway Beach Blvd.			1																
117	Floyd Bennett Field	1	1		1				1							1	1			
118	444 Beach 130th Street			1				1		1							1			
119	150 Beach 122nd Street		1		1										1					
120	Beach Channel Drive (Street unknown)		1											1			1			
121	123-10 Ocean Promenade				1															
122	On Boat west of Crossbay Bridge	1			1						1						1			1
123	On the beach at 121st Street		1		1															
124	124-16 Rockaway Beach Boulevard		1		1				1								1			
125	128-11 Newport Avenue	1			1					1							1			
126	218 Beach 138th Street			1	1															
127	Beach between 120th and 121st street	1			1					1							1			
128	AA flight 686 (airborne)	1													1					
129	Floyd Bennett Field				1				1								1			
130	142nd Street and Newport Avenue	1			1															
131	Between 121st and 122nd street and Newport Avenue		1	1					1								1			
132	Floyd Bennett Field			1							1						1			
133	On Verrazano Bridge	1																		
134	108th Street and Beach Channel Drive		1												1					1

#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
90									1			1	1								1					1	1
91			1					1	1			1			1		1										1
92			1					1	1			1				1											
93							1		1	1																	
94						1						1															
95						1						1															
96												1													1	1
97	1							1										1								1
98																											
99																1											
100												1	1												1	1
101							1					1	1		1				1						1	1
102												1													1	
103											1	1				1									1	1
104													1													
105													1									1				1
106												1														
107						1			1			1			1				1							1
108						1									1	1										
109									1			1													1	1
110												1				1			1							1
111					1	1		1						1												
112												1	1						1							1
113												1	1			1									1	1
114				1					1	1							1				1					1
115									1		1	1										1				1
116									1		1	1			1						1					1
117									1			1								1					1	1
118									1			1														
119						1			1			1													1	
120									1			1			1										1	1
121																					1					1
122								1				1							1					1		1
123												1													1	1
124						1			1			1	1		1	1										
125												1			1						1					1
126												1													1	1
127		1						1	1			1			1	1										
128												1														
129	1							1				1							1							1
130												1													1	1
131	1							1			1	1		1		1									1	1
132												1		1												
133				1				1				1														
134								1	1	1		1	1				1		1		1					1

#	Location	Sources				FIRE												SRE	SRW	STL
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
135	Marine Parkway Bridge	1			1	1										1	1			
136	Beach 129th Street and Rockaway Beach Boulevard	1			1				1								1			
137	Floyd Bennett Field			1		1	1										1	1		1
138	On Beach and Beach 120th Street	1							1							1	1			
139	105-00 Shore Front Parkway	1													1					
140	On Boat near Marine Pkwy Bridge/Floyd Bennett Field		1	1								1				1	1			
141	515 Beach 128th Street				1															
142	Beach 116th Street and Rockaway Beach Boulevard			1	1															
143	220 Beach 128th Street			1											1					
144	Beach 130th Street and Rockaway Beach Boulevard			1							1						1			
145	Marine Parkway Bridge	1			1										1					
146	Rockaway Inlet 1 mile east of Breezy Point	1													1					
147	Jet Blue Flight 79, JFK		1	1					1								1			
148	Newport Avenue BTWN Beach 128th and 129th St.	1			1															
149	118th Street and Rockaway Beach Boulevard		1		1				1								1			
150	214 Beach 118th Street		1		1										1					
151	Beach 116th Street and Newport Avenue				1						1						1			
152	460 Beach 124th Street	1			1				1							1	1			
153	on Jetty @ Beach 149th Street	1		1											1					
154	Walking on 128th street toward Newport Avenue	1			1										1					
155	458 Beach 142nd Street				1				1								1			
156	Jet Blue Flight 79, at JFK		1	1	1		1										1			
157	On beach at about 176th Street		1	1	1				1								1			
158	114th Street and Beach Channel Drive			1	1										1					
159	414 Beach 127th Street	1			1										1					
160	Beach 116th Street and Newport Avenue			1											1					
161	133 Beach 120th Street	1	1	1								1					1			
162	333 Beach 143 Street				1										1					
163	On Boardwalk and 90th Street		1								1						1			
164	Driving WB on Sea Grit Boulevard near Bch. 9th or 11th		1									1					1			
165	116 Beach 119th Street (driveway)				1				1								1			
166	Northwest Flight 1867 at JFK	1		1	1															
167	On Beach between 126th and 127th Streets			1	1										1					
168	Beach 149th St. and Rockaway Beach Blvd.		1												1					
169	414 Beach 144th Street		1		1										1					
170	9404 157th St. Howard Beach	1							1							1	1			
171	107-10 Shore Front Parkway		1		1										1					
172	Between 122nd and 123rd Street Queens			1																
173	136 Street and Rockaway Beach BLVD			1											1					
174	On Beach at Beach 134th Street	1			1				1								1			
175	Beach 129th Street and Cronston Avenue				1						1						1			
176	416 Beach 137th Street	1		1											1					
177	117-03 Newport Avenue				1										1					
178	328 Beach 144th Street	1			1				1								1			

#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
135												1			1			1									1
136									1			1			1	1										1	
137								1				1			1	1											
138												1			1												
139						1						1															
140				1				1	1			1							1					1	1		1
141									1			1															
142									1			1								1			1		1		1
143									1		1	1															
144									1			1															
145						1						1												1			1
146						1						1			1												
147								1					1			1										1	1
148									1	1										1				1			1
149						1			1			1	1														
150						1			1				1													1	1
151			1					1	1			1				1										1	
152									1																	1	
153												1		1				1								1	1
154						1						1		1						1						1	1
155	1							1	1			1															
156						1						1			1	1										1	
157						1					1	1	1														
158																1										1	1
159						1			1			1	1													1	1
160									1			1														1	1
161				1				1	1			1														1	1
162						1			1														1				1
163				1				1				1	1						1							1	1
164		1						1			1	1	1													1	
165												1															
166						1						1	1													1	1
167									1							1								1	1		1
168						1			1	1	1	1	1		1		1										1
169						1			1			1												1	1		1
170	1							1			1	1														1	1
171		1						1				1	1				1			1	1				1		1
172					1			1	1	1							1							1			1
173												1			1							1					1
174	1							1				1			1											1	1
175												1										1					1
176						1			1			1														1	
177						1									1											1	1
178				1				1	1	1		1															

#	Location	Sources				FIRE												SRE	SRW	STL
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
179	413 Beach 125 Street	1		1	1										1					
180	JFK Airport, Terminal 9				1				1								1			
181	JFK Airport, Terminal 9				1															
182	Beach 128th Street and Cronston				1															
183	180 Beach 117th Street				1															
184	Boardwalk at Beach 108th Street	1		1	1							1					1			
185	Beach 151st Street and Rockaway Beach Blvd.	1		1					1							1	1			
186	107-10 Shore Front Parkway	1			1				1								1			
187	Beach 117th Street and Rockaway Beach Blvd.	1			1				1								1			
188	On boat near Floyd Bennett and Marine Pkway Bridge			1									1				1			
189	Boardwalk at Beach 116th Street		1		1					1	1						1			
190	Boardwalk at Beach 120th Street	1			1										1					
191	235 Beach 127th Street				1															
192	129th Street and Newport Avenue			1								1					1			
193	Newport Avenue and Beach 126th Street	1		1					1								1			
194	212 Beach 123rd Street			1								1				1	1			
195	444 Beach 139th Street			1	1				1								1			
196	536 Beach 126th Street	1	1		1									1						
197	Beach 114th Street at Beach Channel Drive	1	1	1	1															
198	Jet Blue Flight 79, JFK	1	1	1																
199	Boardwalk at Beach 125th Street	1		1										1						
200	223 Beach 126th Street		1		1									1						
201	424 Beach 135th Street		1		1									1						
202	Newport Avenue at Beach 129th Street				1															
203	Beach 149th Street Rockaway Beach Blvd.				1									1						
204	Beach 130th Street and Rockaway Beach Boulevard		1						1								1			
205	444 Beach 145th Street	1			1							1					1			
206	158 Beach 128th Street				1									1			1			
207	Beach 134th Street, BTWN Cronston & Bch. CH Dr.	1			1									1						
208	Beach 88th Street and Rockaway Beach Blvd.		1								1						1			
209	145 Beach 127th Street			1						1							1			
210	Breezy Point Golf Course	1		1	1	1	1									1	1			
211	Marine Parkway Bridge				1		1							1			1			
212	Beach 146th Street at Rockaway Beach Blvd.	1	1		1					1							1			
213	Rockaway Beach Boulevard at Beach 116th Street	1			1				1								1			
214	Beach 116th Street near Newport Avenue		1		1									1						
215	Beach 125th Street and Newport Avenue				1															
216	125-12 Cronston Avenue				1															
217	442 Beach 124th Street	1		1	1		1										1			
218	149 Beach 127th Street				1			1								1	1			
219	447 Beach 122nd Street			1		1											1			
220	Beach 139th Street near Newport Avenue			1		1	1										1			
221	Rockaway Beach Blvd and Beach129th Street		1			1	1									1	1			
222	535 Beach 128 Street				1									1			1			

#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
179							1		1			1									1						1
180												1															
181												1									1						1
182									1							1								1			1
183																									1		1
184				1				1				1													1		1
185												1				1									1		1
186									1			1													1		
187									1	1		1					1				1						1
188												1				1							1				1
189												1	1													1	
190									1	1		1	1						1	1							1
191									1	1															1		1
192									1	1						1											
193												1															
194				1								1													1		1
195									1			1															
196							1		1					1					1						1		1
197							1		1	1		1			1										1		1
198	1							1				1			1										1		
199							1		1								1							1			1
200							1		1			1	1			1					1						1
201							1		1			1														1	
202												1				1									1		1
203							1				1	1				1	1										1
204	1							1	1		1	1	1													1	
205				1				1	1			1													1		1
206												1		1										1			1
207							1					1				1			1								1
208							1					1			1										1		1
209												1															
210	1							1	1			1	1				1	1									1
211												1				1		1						1	1		1
212				1				1	1		1	1	1								1				1		1
213									1			1	1												1		1
214							1		1					1	1									1	1		1
215																									1		1
216												1															
217									1			1															
218																											
219							1					1	1					1									1
220												1			1			1									1
221									1			1				1				1					1		1
222									1	1		1											1				1

#	Location	Sources				FIRE														
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
223	British Airways Flt 178, JFK Airport	1		1					1								1			
224	On boat south of the Verrazano Bridge	1		1											1					
225	406 Beach 123rd Street			1																
226	Belt Parkway Exit 9B	1							1								1	1		
227	113th and Beach Channel Drive				1															
228	Beach 143rd Street BTWN Nep. Ave and R.Bch.Blvd.	1			1										1					
229	Rockaway Beach Blvd at Beach 65th Street (car)				1										1					
230	545 Beach 125th Street				1															
231	237 Beach 117th Street				1															
232	436 Beach 130th Street	1									1						1			
233	148 Beach 133rd Street				1													1		
234	Newport Avenue Between 121st and 122nd Street			1	1										1				1	
235	Marine Parkway Bridge				1		1						1				1			
236	Beach Channel Drive and Beach 112th Street	1		1						1	1						1			
237	Beach 130th Street and Rockaway Beach Blvd.			1							1						1			
238	Office in Ogden Services over looking JFK		1						1								1			
239	Rockaway Beach Blvd and Beach 132nd Street				1															1
240	Marine Parkway Bridge				1															
241	137 Beach 126th Street	1			1															
242	137-04 Cronston Avenue	1		1	1															
243	249 Beach 119th Street	1			1						1						1			
244	Beach 134th Street and Newport Avenue			1	1										1					
245	447 Beach 122nd Street	1		1																
246	On Boat in inlet near Marina				1															
247	Beach 120th Street and Newport Avenue		1	1											1					
248	220 Beach 132nd street	1			1				1								1			
249	447 Beach 122nd Street	1			1					1							1			
250	120-10 Rockaway Beach Boulevard			1	1															
251	Cronston Avenue between Beach 138-139th Streets	1		1	1															
252	114-04 Beach Channel Drive	1			1															
253	Marine Parkway Golf Course	1					1										1	1	1	
254	unknown				1															
255	unknown				1															
256	160 Beach 117th Street			1											1					
257	Rockaway Beach Blvd and Beach 110th Street		1	1					1								1			
258	520 Beach 136th Street		1	1									1				1			
259	Beach 108th Street and Beach Channel Drive		1												1					1
260	444 Beach 140th Street	1			1	1											1			
261	Foot of Marine Park Bridge in Rockaways	1		1					1								1			
262	510 Beach 126th Street				1							1					1			
263	444 Beach 126th Street	1			1															
264	Beach 98th Street train station			1	1	1											1			
265	American Airlines Flight 686 (airborne)		1												1					
266	439 Beach 122nd Street	1		1	1										1					

	Smoke								Noise		Motion						Parts										
#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
223												1														1	1
224							1					1														1	1
225							1		1			1															
226		1						1				1									1						1
227																							1	1			1
228							1		1	1																1	1
229							1					1		1								1					1
230																										1	1
231												1															
232																											
233								1				1															
234								1				1	1				1										1
235												1														1	1
236		1		1				1				1	1													1	
237												1			1						1						1
238									1		1	1	1	1		1										1	1
239								1				1				1							1				1
240												1	1			1								1		1	1
241				1				1	1	1																1	1
242									1			1															
243												1														1	1
244									1	1		1			1						1						1
245									1	1		1		1	1											1	1
246				1				1			1	1															
247						1						1							1								1
248									1			1															
249												1											1				1
250				1				1	1	1		1														1	1
251	1							1	1	1		1	1				1										1
252									1			1				1										1	1
253								1			1	1	1														
254												1												1			1
255																								1			1
256						1					1	1															
257									1	1	1	1	1	1	1								1				1
258																										1	1
259								1	1	1		1	1						1								1
260						1			1	1		1															1
261												1						1									1
262									1			1	1													1	1
263			1					1	1			1														1	1
264												1				1											
265						1						1			1											1	1
266									1												1						1

#	Location	W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
267	439 Beach 122nd Street	1			1									1						
268	439 Beach 122nd Street				1			1									1			
269	144 Beach 111th Street		1		1							1					1			
270	JFK American Airlines Gate #48			1																
271	110-14 Rockaway Beach Boulevard	1							1								1			
272	JFK Airport Terminal 9	1	1											1						
273	JFK Airport Runway 4R				1					1							1			
274	146 Beach 129th Street	1			1				1							1	1			
275	Boardwalk at Beach 117th Street			1										1			1			
276	426 Beach 143rd Street			1											1					
277	On Bus (unknown location)				1						1						1			
278	Beach Channel Drive and Beach 114th Street	1		1	1				1								1			
279	Beach Channel Drive and Beach 114th Street	1		1	1							1					1			
280	On Boat South of Breezy Point near Riis Beach	1		1					1								1			
281	234 Beach 129th Street			1																
282	Beltway Parkway at Flatbush Avenue Exit	1		1	1	1											1	1		
283	Jamaica Bay near MPB and Floyd Bennett Field			1	1			1									1			
284	Marine Parkway Bridge			1																
285	Rockaway Beach Blvd at Beach 121st Street			1											1					
286	Van Wyck Expressway at JFK				1					1							1			
287	406 Beach 134th Street	1			1										1					
288	456 Beach 124th Street			1									1				1			
289	260 Beach 134th Street	1			1										1					
290	525 Beach 133rd Street				1										1					
291	433 Beach 143rd Street	1			1				1							1	1			
292	177 Beach 117th Street	1			1	1					1						1			
293	426 Beach 129th Street				1			1								1	1			
294	Northwest Flight 1867 at JFK	1		1	1									1						
295	167 Beach 132nd Street	1			1									1						
296	Beach Channel Drive and Riis Park	1			1			1	1								1			
297	113-01 Beach Channel Drive		1		1						1						1			
298	448 Beach 127th Street				1	1											1			
299	506 Beach 137th Street			1																
300	Marine Parkway Bridge				1		1					1	1				1			
301	147 Beach 145th Street	1		1										1						
302	JFK Airport		1									1					1			
303	549 Beach 128th Street				1				1								1			
304	524 Beach 134th Street			1																
305	174 Beach 135th Street				1															
306	Beach 118th Street and Rockaway Beach Blvd.	1			1				1							1	1			
307	505 Beach 129th Street				1								1				1			
308	Beach Channel Drive and Beach 120th Street				1															
309	122nd Street and Newport Avenue	1		1										1						
310	410 Beach 129th Street				1									1						
311	215 Beach 138th Street			1																

#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
267							1		1			1									1						1
268																											
269												1		1												1	
270	1							1				1	1													1	
271									1			1															
272				1				1				1	1												1		1
273												1	1													1	
274									1	1		1															
275				1				1	1	1		1															
276						1			1			1															
277									1			1															
278									1			1							1						1		1
279																								1			1
280												1	1			1								1			1
281									1																1		1
282								1				1	1		1												
283									1	1		1							1						1		1
284				1				1	1			1								1							1
285						1			1	1		1				1			1		1						1
286												1				1											
287							1		1		1	1			1		1				1						1
288									1			1												1			1
289						1						1														1	
290						1						1									1						1
291									1	1		1			1	1											
292												1							1						1		1
293									1	1																	
294				1				1																	1		1
295							1		1			1														1	
296									1		1	1			1											1	
297														1													
298									1	1				1													
299									1															1			1
300											1	1				1									1		1
301	1							1	1	1		1		1										1			1
302																									1		1
303									1			1															
304												1													1		1
305									1	1		1													1		1
306	1							1				1	1												1		1
307									1			1												1			1
308												1	1					1		1		1					1
309																									1		1
310						1			1			1															
311												1													1		1

#	Location	Sources				FIRE												SRE	SRW	STL
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
312	Beach Channel Drive and 116th Street		1																	
313	Floyd Bennett Field	1			1					1							1			
314	140 Beach 113th Street				1															
315	131-16 Rockaway Beach Boulevard	1		1								1				1	1			
316	114-04 Beach Channel Drive	1			1						1						1			
317	150 Beach 128th Street				1				1								1			
318	Marine Parkway Bridge				1															
319	194 Beach 114th Street	1			1				1								1			
320	unknown				1							1					1			
321	Memorial Bridge Beach and Beach 100th Street	1			1						1						1			
322	142 Beach 138th Street			1	1				1							1	1			
323	Beach 130th Street and Rockaway Beach Blvd.		1										1				1			
324	264 Beach 133rd Street	1			1						1						1			
325	Beach 130 Street and Rockaway Beach Blvd.			1							1						1			
326	Train going south over water to Rockaway			1																
327	Belt Parkway, Knapp Street Exit			1										1			1			
328	Beach 116th Street and Beach Channel Drive			1					1								1			
329	Beach 136th Street and Rockaway Beach Blvd.			1		1										1	1			
330	270 Beach 138th Street	1		1																
331	410 Beach 140th Street			1																
332	464 Beach 125th Street	1		1										1						
333	167 Beach 125th Street	1		1								1				1	1			
334	Marine Parkway Bridge			1	1													1		
335	On Beach near Beach 40th Street		1									1				1	1			
336	519 Beach 131st Street	1			1									1						
337	131-05 Cronston Avenue	1			1		1		1							1	1			1
338	140-06 Rockaway Beach Boulevard	1		1										1						
339	Beach Channel Drive and Beach 113th Street				1		1		1							1	1			1
340	125 Beach 124th Street				1															
341	541 Beach 128th Street				1															
342	123-10 Ocean Promenade				1									1			1			
343	JFK, Runway 4R			1	1				1								1			
344	Floyd Bennett Field				1				1							1	1			
345	Beach 124th Street and Rockaway Beach Blvd.	1			1															
346	Beach 113th Street and Beach Channel Drive		1	1						1						1	1			
347	Beach 130th Street and Rockaway Bch. Blvd.				1										1					
348	Marine Park Bridge Toll Booth				1							1				1	1			
349	Jamaica Bay (unknown)			1									1				1			
350	315 Beach 144th Street				1															
351	457 Beach 124th Street			1								1					1			
352	Beach Channel Drive	1							1							1	1			
353	Broad Channel Subway Station	1							1								1			
354	125-12 Cronston Avenue	1	1																	

#	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
312									1			1				1					1						1
313											1	1				1							1			1	1
314												1		1												1	1
315									1			1				1										1	1
316													1											1		1	1
317												1							1								1
318												1														1	1
319	1							1	1	1		1		1												1	1
320																										1	1
321												1				1							1			1	1
322									1			1											1				1
323									1					1												1	
324						1			1			1														1	
325									1											1						1	1
326												1				1			1					1			1
327												1														1	1
328					1			1									1										1
329									1	1		1		1			1	1									1
330												1															
331									1	1																	
332						1			1		1	1	1				1		1		1						1
333			1					1	1							1										1	1
334								1				1		1												1	1
335													1						1							1	1
336						1			1	1		1		1			1		1		1	1				1	1
337	1							1	1		1	1		1													
338						1			1			1															
339								1	1		1	1														1	1
340									1			1															
341			1					1	1																		
342									1			1				1											
343									1			1			1	1										1	1
344									1	1									1							1	1
345									1			1															
346									1	1	1	1		1		1			1		1					1	1
347						1			1			1				1										1	1
348																								1			1
349			1					1				1				1								1	1		1
350												1															
351																1									1		1
352	1							1				1	1													1	
353												1														1	1
354									1	1																1	1

#	Location	Sources				FIRE												SRE	SRW	STL
		W	I	F	P	FRE	FRW	FTL	FFS	FLE	FLW	FMC	FWU	FEU	NoF	FEX	YES	SRE	SRW	STL
354	TOTALS	138	66	141	224	16	20	10	83	15	31	27	11	9	77	36	198	6	10	5
	Percentages based on Total Witnesses	39%	19%	40%	63%	5%	6%	3%	23%	4%	9%	8%	3%	3%	22%	10%	56%	2%	3%	1%

#	Smoke								Noise		Motion						Parts										
	SFS	SLE	SLW	SMC	SWU	SEU	NoS	YES	NL	NE	MU	MD	ML	MR	MW	MS	PRE	PRW	PTL	PFS	PLE	PLW	PWU	PEU	PMC	NoP	YES
354	25	7	3	32	3	1	74	82	176	47	29	279	67	27	47	69	26	14	39	5	37	12	19	31	126	39	225
	7%	2%	1%	9%	1%	0%	21%	23%	50%	13%	8%	79%	19%	8%	13%	19%	7%	4%	11%	1%	10%	3%	5%	9%	36%	11%	64%