

Supplementary material of the earthquake lights (EQL) of the April 6, 2009 Aquila earthquake, in Central Italy.

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Questionnaire and Testimonials

The questionnaire was based on several observations reported in the past. It was used in face-to-face interviews without being shown to the witnesses. The questions were asked in the same order used here. The questionnaire and a summary of collected testimonials on EQL are reported below.

Phenomena observed before, during and or after the earthquake.

Name:

Date:

Place:

Were there flashes of light and/or brightness of any definite or indefinite form? If yes:

1) When and where were they spotted?

Were they in motion?

2) How long did they last?

Did they change in intensity, form or color?

3) What was their form?

Were they familiar forms?

Could they have been such?

4) What was their color?

Which source does they remind you of?

Could they have been such?

5) Did they come from above or below?

Could they have been a lighthouse?

A meteor?

6) Of what horizontal direction of origin were they?

Could they have been car headlights?

7) If any, what kind of movement did they have?

Could they have been a plane?

A satellite?

8) Did they illuminate the surrounding landscape?

What did they remind you of?

9) Did you see sparks or phosphorescence on metal rods on top of buildings or masts?

10) Were there electric shocks? If so, please describe:

Were they near voltage pylons?

Were they near other electrical lines?

Near the railways?

What color were they?

Were surrounding objects lit up?

Were there thunderstorms?

11) Did they have characteristics of flames or fires? If so, please describe:

Were there gas cylinders nearby?

Were there pipelines nearby? Did you smell gas?

Were surrounding objects lit up?

12) Did they have characteristics of phosphorescence or of an aurora? If so, please describe:

At what time and in what direction?

Were the clouds lit up?

Could it have been public illumination?

13) Were there bright or reddish clouds? If so, please describe:

At what time and in what direction?

Was there emitted light?

Could the clouds have been lit up from the sunset?

From the Moon?

From public illumination?

Did you observe disturbances in radio, television or telephone transmissions? If yes:

What kind?

14) How long?

15) What channels or stations?

16) Which places?

17) At what time?

Did you observe anomalies in the atmosphere? If yes, please describe:

18) Fog?

- 19) Smoke and/or vapors?
 20) Elongated clouds and/or gas columns?
 21) Intense storms and/or hail?
 22) Increasing temperature and/or temperature changes?
 23) Did clouds appear or disappear suddenly?
 24) Where and when?
 Did you hear noises? If yes, please describe:
 25) Thunder?
 26) Booms? 27) Like falling rocks? 28) Winds? 29) Wheezes?
 30) Did you hear noises from the earth which were not associated with visible or felt phenomena?
 31) Where and when?
 Did you smell odors? If yes, please describe:
 32) Sulfur or rotten egg?
 33) Burning?
 34) Gas?
 35) Did you smell odors near springs, wells or ditches?
 36) Where and when?
 Did you observe changes in springs or wells? If yes, please describe:
 37) Quantity changes?
 38) Temperature changes?
 39) Transparency changes?
 40) Taste changes?
 41) Appearance of gas bubbles?
 42) Emergence from new sources?
 Did you experience physical sensations? If yes, please describe:
 43) Nausea?
 44) Dizziness?
 45) Breathing difficulty?
 46) Fatigue?
 47) Itching on legs, arms, hands or face?
 48) Rashes?
 49) If so, what part of the day and for how long?
 50) Exacerbation of disorders already present?
 51) Behavior alterations?
 52) Mood changes?
 53) Sleep/wake altered?
 54) Others?
 Did you observe strange behavior on the part of animals?
 If yes, please describe the places, times and conditions:
 55) Sudden death of domestic or stray animals?
 56) Yelping of dogs?
 57) Neighing of horses?
 58) Unexplainable appearance of ants?
 59) Abundant appearance of worms?
 60) Unexplainable appearance of snakes or frogs?
 61) Unexplainable appearance of mice?
 62) Unexplainable behavior of chickens?
 63) Unexplainable behavior of fish?
 64) Nervous behavior of farming livestock?
 65) Sighting of rare animals?
 66) Disappearance of birds?

67) Other strange animal behavior? Please describe:
 Other, please describe:
 Thank you so very much for your time and valuable cooperation.

Table 1. The collection of Aquila EQLs. Sightings and EQ are in Local Time. Gr: Ground based, Ho: Above the horizon, Hi: High in the sky, H: Horizontal stretched, V: Vertical stretched, G: Globular, S: Still, U: Undetermined, B: Before, D: During, A: After the shocks. Around means very near to that date or time, Sunset means 19:30 for that period and Evening means 20-22. MS: main shock.

N.	YYMMDD hhmm	Location	Pos.	Shape	Mouv.	Type	Mw	YYMMDD hhmm	Time
1	080621 1114	Celano Gorges	Gr	G	S	Globe	---		B
2	around 080701 0200	Paganica	Ho	G	V	Globe	---		B
3	August 08 evening	Passo delle Capannelle	Gr	G	H	Globe	---		B
4	Dec. 08 around 1930	Picenze	Ho	V	V	Funnel	---		B
5	090126 0418	Preturo	Ho	G	S	Globe	---		B
6	090222 0152	Preturo	Ho	G	S	Globe	---		B
7	090301 around 2200	Collebrincioni	Gr	G	S	Globe	---		B
8	090301-15 around 0615	Mount Ocre	Gr	G	V	Globe	---		B
9	090318 1900-1920	Aquila	Ho	G	H	Globe	---		B
10	090315-20 evening	Picenze	-	-	-	Vapor	---		B
11	090315-25 evening	Roio	Gr	G	S	Globe	---		B
12	end of 0903 evening	Roio	Ho	G	S	Globe	4.4	090330 1538	B
13	090329 2030	Aquila	Ho	G	H	Globe	4.4	090330 1538	B
14	090330 0200	Gran Sasso	-	-	-	Diffuse	4.4	090330 1538	B
15	090331 0100-0200	Roio	Ho	U	S	Flash	3.5	090330 2357	A
16	090401 2030	Preturo	Ho	G	H	Globe	2.9	090402 1311	B
17	090402 0330-0400	Roio Piano	Hi	U	S	Flash	2.9	090402 1311	B
18	090403 around 0330	Sulmona	Ho	U	S	Flash	3.3	090403 0644	B
19	090403 evening	Lucoli	Gr	U	S	Flash	3.3	090403 0644	A
20	090403 2105	Pile	Gr	V	V	Flames	3.3	090403 0644	A
21	090403 around 2200	Roio	Ho	G	H	Globe	3.3	090403 0644	A
22	090404 around 0130	Santa Ruffina	Hi	U	H	Flash	3.3	090403 0644	A
23	090404 0230	Roio	Ho	G	H	Globe	3.3	090403 0644	A
24	090404 evening	Aquila	-	-	-	Clouds	4.2	090405 2248	B
25	090404 evening	Gran Sasso	-	-	-	Diffuse	4.2	090405 2248	B
26	090404 after 2000	Fossa	-	-	-	Diffuse	4.2	090405 2248	B
27	090404 around 2230	Mount San Franco	Ho	H	H	Flash	4.2	090405 2248	B
28	090404 2300	Pettino	Ho	U	S	Flash	4.2	090405 2248	B
29	090404 around 2330	Alba Fuciens	Gr	G	S	Globe	4.2	090405 2248	B
30	090405 1800	Roio	-	-	-	Clouds	4.2	090405 2248	B
31	090405 1800-1900	Aquila	-	-	-	Diffuse	4.2	090405 2248	B
32	090405 after sunset	Cesi	-	-	-	Diffuse	4.2	090405 2248	B
33	090405 after sunset	Pettino	-	-	-	Clouds	4.2	090405 2248	B
34	090405 after sunset	Mount Sirente	-	-	-	Vapor	4.2	090405 2248	B
35	090405 1930	Aquila	Ho	V	V	Flash	4.2	090405 2248	B
36	090405 2000	Aquila	Ho	U	V	Flash	4.2	090405 2248	B
37	090405 around 2000	Pile	Gr	U	S	Flash	4.2	090405 2248	B
38	090405 around 2000	Aquila-S.Demetrio	-	-	-	Diffuse	4.2	090405 2248	B
39	090405 around 2000	Aquila	-	-	-	Diffuse	4.2	090405 2248	B
40	090405 after 2000	Vallepretara	-	-	-	Diffuse	4.2	090405 2248	B
41	090405 2000-2300	Civita di Bagno	-	-	-	Clouds	4.2	090405 2248	B
42	090405 2030	Cesi-Campo Felice	-	-	-	Clouds	4.2	090405 2248	B
43	090405 2030	San Francesco	Gr	U	S	Flash	4.2	090405 2248	B
44	090405 2040-2100	Aquila	Ho	U	V	Flash	4.2	090405 2248	B
45	090405 evening	Aquila	-	-	-	Clouds	4.2	090405 2248	B
46	090405 evening	Gran Sasso	-	-	-	Diffuse	4.2	090405 2248	B

N.	YYMMDD hhmm	Location	Pos.	Shape	Mouv.	Type	Mw	YYMMDD hhmm	Time
47	090405 evening	San Demetrio	-	-	-	Diffuse	4.2	090405 2248	B
48	090405 evening	San Demetrio	-	-	-	Diffuse	4.2	090405 2248	B
49	090405 around 2200	Pettino	Ho	U	S	Flash	4.2	090405 2248	B
50	090405 after 2200	Foce di Sassa	-	-	-	Diffuse	4.2	090405 2248	B
51	090405 before 2248	Pettino	-	-	-	Diffuse	4.2	090405 2248	B
52	090405 after 2248	Aquila	Gr	U	S	Flash	4.2	090405 2248	A
53	090405 after 2248	Cansatessa-Arischia	Ho	U	S	Electrical	4.2	090405 2248	A
54	090405 2230-2300	Colle Santa Maria	-	-	-	Clouds	6.3	090406 0332	B
55	090405 around 2300	Aquila	-	-	-	Clouds	6.3	090406 0332	B
56	090405 around 2300	Pettino	Hi	U	S	Globe	4.2	090405 2248	A
57	090405 2315	Roio Piano	-	-	-	Diffuse	6.3	090406 0332	B
58	090405 2330	Campo Felice	-	-	-	Diffuse	6.3	090406 0332	B
59	090405 around 2330	Cansatessa	-	-	-	Clouds	6.3	090406 0332	B
60	090405 around 2330	Mout Ocre-Orsello	-	-	-	Vapors	6.3	090406 0332	B
61	090405 around 2330	Aquila	-	-	-	Diffuse	6.3	090406 0332	B
62	090406 0039	Colle Roio	Gr	V	S	Electrical	3.8	090406 0039	D
63	090406 0039	Assergi	Gr	V	V	Flames	3.8	090406 0039	D
64	090406 after 0039	Cansatessa	Hi	U	S	Flash	3.8	090406 0039	A
65	090406 after 0039	Roio	Ho	H	S	Electrical	3.8	090406 0039	A
66	090406 around 0130	Aquila	Ho	H	S	Flash	6.3	090406 0332	B
67	090406 around 0130	Bagno	-	-	-	Diffuse	6.3	090406 0332	B
68	090406 around 0130	Coppito	U	U	U	Flash	6.3	090406 0332	B
69	090406 around 0200	Aquila	-	-	-	Vapor	6.3	090406 0332	B
70	090406 around 0300	Gran Sasso	-	-	-	Clouds	6.3	090406 0332	B
71	090406 around 0300	Rocca Preturo	Ho	U	S	Flash	6.3	090406 0332	B
72	090406 0327	Aquila	-	-	-	Diffuse	6.3	090406 0332	B
73	090406 0330	Coppito	-	-	-	Diffuse	6.3	090406 0332	B
74	090406 0330	Coppito	-	-	-	Diffuse	6.3	090406 0332	B
75	090406 before 0332	Tornimparte	-	-	-	Clouds	6.3	090406 0332	B
76	090406 before 0332	Colle Marco	Hi	V	S	Flames	6.3	090406 0332	B
77	090406 before 0332	Aquila	Hi	U	S	Flash	6.3	090406 0332	B
78	090406 before 0332	Onna	Gr	U	S	Flames	6.3	090406 0332	B
79	090406 before 0332	San Demetrio	Gr	V	S	Flames	6.3	090406 0332	B
80	090406 before MS	Madonna della Strada	Ho	U	S	Flash	6.3	090406 0332	D
81	090406 before MS	Preturo	Ho	U	S	Flash	6.3	090406 0332	D
82	090406 before MS	Gignano	U	U	U	Flash	6.3	090406 0332	D
83	090406 before MS	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
84	090406 0332	Civitatomassa	Hi	U	S	Flash	6.3	090406 0332	D
85	090406 0332	Mount Orsello	Gr	V	S	Flames	6.3	090406 0332	D
86	090406 0332	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
87	090406 0332	Paganica	Gr	H	S	Electrical	6.3	090406 0332	D
88	090406 0332	Colle Roio	Gr	V	S	Electrical	6.3	090406 0332	D
89	090406 0332	Colle Roio	Gr	V	S	Flash	6.3	090406 0332	D
90	090406 0332	Pile	-	-	-	Diffuse	6.3	090406 0332	D
91	090406 0332	Aquila	Hi	U	S	Flash	6.3	090406 0332	D
92	090406 0332	Valle del Salto	Gr	U	S	Flames	6.3	090406 0332	D
93	090406 0332	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
94	090406 0332	Pile	Ho	H	H	Beam	6.3	090406 0332	D
95	090406 0332	Rocca Santo Stefano	Ho	U	S	Flash	6.3	090406 0332	D
96	090406 0332	Arischia	Ho	H	S	Electrical	6.3	090406 0332	D

N.	YYMMDD hhmm	Location	Pos.	Shape	Mouv.	Type	Mw	YYMMDD hhmm	Time
97	090406 0332	Aquila	Ho	H	S	Sparks	6.3	090406 0332	D
98	090406 0332	Sella di Corno	-	-	-	Diffuse	6.3	090406 0332	D
99	090406 0332	San Sisto	U	U	U	Flash	6.3	090406 0332	D
100	090406 0332	San Sisto	U	U	U	Flash	6.3	090406 0332	D
101	090406 0332	Paganica	Hi	U	S	Flash	6.3	090406 0332	D
102	090406 0332	Camarda	Hi	U	S	Flash	6.3	090406 0332	D
103	090406 0332	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
104	090406 0332	Aquila	Gr	U	S	Small flames	6.3	090406 0332	D
105	090406 0332	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
106	090406 0332	Bagno	Hi	U	S	Flash	6.3	090406 0332	D
107	090406 0332	Pettino	Gr	V	S	Electrical	6.3	090406 0332	D
107	090406 0332	Bazzano	Gr	V	S	Flames	6.3	090406 0332	D
108	090406 0332	Paganica	Ho	U	S	Flash	6.3	090406 0332	D
109	090406 0332	Aquila	U	U	U	Flash	6.3	090406 0332	D
110	090406 0332	Monticchio	Ho	U	S	Flash	6.3	090406 0332	D
111	090406 0332	Bazzano	Ho	U	S	Flash	6.3	090406 0332	D
112	090406 0332	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	D
113	090406 0332	Roio-Aterno Valley	Gr	V	V	Flames	6.3	090406 0332	D
114	090406 0332	Roio	Hi	U	S	Flash	6.3	090406 0332	D
115	090406 0332	Roio	-	-	-	Diffuse	6.3	090406 0332	D
116	090406 0332	Coppito	Ho	U	S	Flash	6.3	090406 0332	D
117	090406 0332	Sant'Elia	Ho	U	S	Flash	6.3	090406 0332	D
118	090406 0332	Aquila	Ho	U	S	Flash	6.3	090406 0332	D
119	090406 0332	Roio	Hi	U	S	Flash	6.3	090406 0332	D
120	090406 0332	Roio	Ho	U	S	Thin strip	6.3	090406 0332	D
121	090406 0332	Genzano	U	U	U	Flash	6.3	090406 0332	D
123	090406 0332	Paganica	Gr	V	S	Columns	6.3	090406 0332	D
124	090406 0332	Arischia	Hi	U	S	Flash	6.3	090406 0332	D
125	090406 0332	Aquila	U	U	U	Flash	6.3	090406 0332	D
126	090406 0332	Paganica-Aquila	Ho	U	S	Flash	6.3	090406 0332	D
127	090406 0332	Aquila	U	U	U	Flash	6.3	090406 0332	D
128	090406 0332	San Sisto	Ho	V	S	Small Flames	6.3	090406 0332	D
129	090406 around 0332	Bagno	Hi	U	S	Flash	6.3	090406 0332	U
130	090406 around 0332	Vallesindola	Ho	U	S	Flames	6.3	090406 0332	U
131	090406 around 0332	Colle Roio	-	-	-	Diffuse	6.3	090406 0332	D
132	090406 around 0332	Colle Roio	Hi	U	S	Flash	6.3	090406 0332	U
133	090406 around 0332	Mount Corvo	Ho	G	S	Globe	6.3	090406 0332	U
134	090406 around 0332	Aquila	Ho	H	S	Beam	6.3	090406 0332	U
135	090406 after 0332	Sassa	-	-	-	Clouds	6.3	090406 0332	A
136	090406 after 0332	Arischia	-	-	-	Diffuse	6.3	090406 0332	A
137	090406 after 0332	Roio Piano	Hi	U	S	Flash	6.3	090406 0332	A
138	090406 after 0332	Roio Piano	Ho	U	S	Sparks	6.3	090406 0332	A
139	090406 after 0332	Roio Piano	-	-	-	Vapor	6.3	090406 0332	A
140	090406 after 0332	Roio	Hi	U	S	Flash	6.3	090406 0332	A
141	090406 after 0332	Valle Aterno	Ho	U	S	Flash	6.3	090406 0332	A
142	090406 after 0332	Colle di Preturo	-	-	-	Diffuse	6.3	090406 0332	A
143	090406 after 0332	Aquila-Coppito	Ho	H	S	Electrical	6.3	090406 0332	A
144	090406 after 0332	Aquila	Ho	H	S	Electrical	6.3	090406 0332	A
145	090406 after 0332	Roio	Ho	U	S	Flash	6.3	090406 0332	A
146	090406 after 0332	Madonna della Strada	Ho	H	S	Funnel	6.3	090406 0332	A

N.	YYMMDD hhmm	Location	Pos.	Shape	Mouv.	Type	Mw	YYMMDD hhmm	Time
147	090406 after 0332	Pile	Ho	U	S	Sparks	6.3	090406 0332	A
148	090406 after 0332	Velino-Sirente	-	-	-	Streamer	6.3	090406 0332	A
149	090406 after 0332	Velino-Sirente	-	-	-	Flash	6.3	090406 0332	A
150	090406 after 0332	Madonna della Strada	-	-	-	Streamer	6.3	090406 0332	A
151	090406 after 0332	Madonna della Strada	Ho	U	S	Flash	6.3	090406 0332	A
152	090406 after 0332	Pile	-	-	-	Vapor	6.3	090406 0332	A
153	090406 after 0332	Campo Felice	Ho	U	S	Flash	6.3	090406 0332	A
154	090406 after 0332	Paganica	-	-	-	Diffuse	6.3	090406 0332	A
155	090406 after 0332	Bagno	-	-	-	Clouds	6.3	090406 0332	A
156	090406 after 0332	Mountain near Bagno	-	-	-	Diffuse	6.3	090406 0332	A
157	090406 after 0332	Monticchio	Ho	U	S	Vapor	6.3	090406 0332	A
158	090406 after 0332	Coppito	-	-	-	Clouds	6.3	090406 0332	A
159	090406 after 0332	Pile	Gr	V	S	Flames	6.3	090406 0332	A
160	090406 after 0332	Pile	Gr	V	S	Flames	6.3	090406 0332	A
161	090406 after 0332	Pile	Gr	V	S	Flames	6.3	090406 0332	A
162	090406 after 0332	Paganica	-	-	-	Diffuse	6.3	090406 0332	A
163	090406 after 0332	Aterno valley	Gr	U	S	Flash	6.3	090406 0332	A
164	090406 after 0332	Aterno Valley	-	-	-	Vapor	6.3	090406 0332	A
165	090406 after 0332	near Genzano	Gr	V	S	Electrical	6.3	090406 0332	A
166	090406 after 0332	San Francesco	-	-	-	Diffuse	6.3	090406 0332	A
167	090406 after 0332	Aquila	-	-	-	Diffuse	6.3	090405 0332	A
168	090406 after 0332	Aquila	-	-	-	Diffuse	6.3	090406 0332	A
169	090406 after 0332	Pile	-	-	-	Diffuse	6.3	090406 0332	A
170	090406 after 0332	Campotosto-Aquila	-	-	-	Streamer	6.3	090406 0332	A
171	090406 after 0332	S.Giuliano-S.Vittorino	Gr	H	S	Flames	6.3	090406 0332	A
172	090406 0333	Arischia	Gr	U	S	Flash	6.3	090406 0332	A
173	090406 0334	Bagno	Gr	G	S	Globe	6.3	090406 0332	A
174	090406 0340	Laga Mountains	-	-	-	Clouds	6.3	090406 0332	A
175	090406 0340	Aquila	Ho	H	S	Electrical	6.3	090406 0332	A
176	090406 0340	Roio Piano	Gr	U	S	Electrical	6.3	090406 0332	A
177	090406 0340	Pile	Ho	U	S	Flash	6.3	090406 0332	A
178	090406 0340	Aquila	Gr	V	S	Flames	6.3	090406 0332	A
179	090406 0350	Tornimparte	Ho	U	S	Flash	6.3	090406 0332	A
180	090406 0350	Roio	Ho	U	S	Flash	6.3	090406 0332	A
181	090406 0350	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	A
182	090406 0350	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	A
183	090406 0350	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	A
184	090406 0350	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	A
185	090406 0350	Aterno Valley	Gr	V	S	Flames	6.3	090406 0332	A
186	090406 0355	Aquila	Gr	V	S	Flames	6.3	090406 0332	A
187	090406 0400	Coppito	Ho	U	S	Flash	6.3	090406 0332	A
188	090406 around 0410	Paganica-Aquila	Ho	H	S	Flash	6.3	090406 0332	A
189	090406 0400-0415	Aquila-Roio	Ho	H	S	Electrical	6.3	090406 0332	A
190	090406 after 0424	Aquilio	Gr	V	S	Funnel	5.1	090406 0437	B
191	090406 after 0425	Aquilio	Gr	V	S	Funnel	5.1	090406 0437	B
192	090406 after 0426	Aquilio	Gr	V	S	Funnel	5.1	090406 0437	B
193	090406 after 0427	Aquilio	Gr	V	S	Funnel	5.1	090406 0437	B
194	090406 0400-0430	Mount Ocre-Orsello	-	-	-	Clouds	5.1	090406 0437	B
195	090406 around 0430	Pile	Gr	V	S	Flames	5.1	090406 0437	B
196	090406 early morning	Campotosto	-	-	-	Clouds	5.1	090406 0437	U

N.	YYMMDD hhmm	Location	Pos.	Shape	Mouv.	Type	Mw	YYMMDD hhmm	Time
197	090406 0530-0600	Coppito	Ho	U	V	Flash	4.5	090406 0556	B
198	090406 1730	Campo Felice	-	-	-	Clouds	4.4	090406 1838	B
199	090406 around 1730	Coppito	-	-	-	Clouds	4.4	090406 1838	B
200	090406 1830-1900	Aquila	-	-	-	Clouds	4.4	090406 1838	D
201	090406 after sunset	Santa Ruffina	-	-	-	Diffuse	5.1	090407 0115	B
202	090406 after sunset	Santa Ruffina	Ho	U	S	Sparks	5.1	090407 0115	B
203	090406 after 2000	Pile	-	-	-	Diffuse	5.1	090407 0115	B
204	090406 around 2030	Campo Felice	-	-	-	Clouds	5.1	090407 0115	B
205	090406 around 2100	Roio	Gr	G	S	Globe	5.1	090407 0115	B
206	090406 evening	Madonna della Strada	Hi	U	S	Flash	5.1	090407 0115	B
207	090406 evening	Aquila	-	-	-	Clouds	5.1	090407 0115	B
208	090406 evening	Aquila	-	-	-	Clouds	5.1	090407 0115	B
209	090407 around 1800	Rocca Preturo	-	-	-	Diffuse	5.6	090407 1947	B
210	090407 after 1900	Rocca di Cambio	Hi	U	S	Flash	5.6	090407 1947	B
211	090407 before 1947	Laga Mountains	-	-	-	Clouds	5.6	090407 1947	B
212	090407 before 1947	Mount Cagno	Ho	U	S	Flash	5.6	090407 1947	B
213	090407 around 2100	Roio	Gr	G	S	Globe	5.6	090407 1947	A
214	090407 around 2115	Pettino	Ho	G	V	Globe	5.6	090407 1947	A
215	090407 evening	Arischia	Ho	U	S	Flash	5.6	090407 1947	U
216	090408 around 2000	Collefracido	Gr	V	S	Electrical	5.4	090409 0252	B
217	090408 evening	Arischia	Ho	U	S	Flash	5.4	090409 0252	B
218	090408 evening	Aquila	Gr	H	S	Thin strips	5.4	090409 0252	B
219	090408 around 2100	Roio	Gr	G	S	Globe	5.4	090409 0252	B
220	090409 evening	Arischia	Ho	U	S	Flash	5.2	090409 2138	U
221	090409 around 2100	Roio	Gr	G	S	Globe	5.2	090409 2138	B
222	090409 around 2130	Laga Mountains	-	-	-	Clouds	5.2	090409 2138	D
223	090409 before 2138	Colle Santa Maria	-	-	-	Clouds	5.2	090409 2138	B
224	090411-12 after 2200	Aquila	-	-	-	Clouds	3.7	090412 2055	U
225	090413 evening	Roio	Ho	G	H	Globe	5.0	090413 2314	B
226	090413 around 2230	Cuccullo	Gr	G	H	Globes	5.0	090413 2314	B
227	090426 after 2000	Mount San Franco	Gr	V	S	Thin strips	3.5	090426 1956	A
228	090505 around 1900	Colle Roio	Ho	V	S	Columns	3.3	090505 2003	B
229	around 090506 evening	Gran Sasso	Ho	U	S	Flash	3.3	090505 2003	U
230	around 090506 evening	Bazzano	Ho	G	H	Globe	3.3	090505 2003	U
231	090510 after 2000	Aquila	Ho	U	S	Flash	3.8	090510 1800	A
232	090505-20 evening	Barisciano	Ho	U	S	Flash	3.8	090510 1800	U
233	090607 2030-2100	Pile	-	-	-	Clouds	3.9	090607 2122	B
234	090611 after 0000	Pettino	-	-	-	Diffuse	3.7	090611 1921	B
235	090616 around 0100	Bazzano	Ho	H	S	Flash	3.4	090615 1721	A
236	090625-30 around 2000	Aquila	-	-	-	Diffuse	3.4	090629 0754	U
237	090702 after 2100	Assergi	Ho	H	S	Beams	4.3	090703 1303	B
238	090901 evening	Gran Sasso	Ho	U	S	Flash	3.3	090831 1609	A
239	090924 after 1814	San Pio	Ho	U	S	Flash	4.4	090924 1814	A
240	090930 evening	Mountain near Barisciano	Gr	U	S	Beams	2.6	090930 1402	A
241	090930 2045	Picenze	Ho	V	V	Funnel	2.6	090930 1402	A