

**DOCKET NO. SA-516**  
**APPENDIX C**

**NATIONAL TRANSPORTATION SAFETY BOARD**  
**WASHINGTON, DC**

**TEST RESULTS DATA**  
**(7 pages)**

Observations

inter-viewer	1. initials	3. distance	2. event number	4. sight?	5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound?	8. description
dc	jac	2	1	yes	red flare moving slowly, settling back down while still burning	no		yes	red point source of light	no	no	no	
dc	jds	2	1	yes	red ball arched up and trailed away	no		no		no	no	no	
ds	rsh	4	1	no									
ds	cdh	4	1	no									
bw	dfc	6	1	yes	red flare low to horizon	no		yes	red	no	no	no	
bw	slr	6	1	yes	red dot going in upside down arch	no		yes	red	no	no	no	
bh	rdc	8	1	yes	red flare	un-intelligible		un-intelligible		un-intelligible	un-intelligible	un-intelligible	
bh	glc	8	1	yes	round orange ball floating up into air, kind of hanging	no		yes	light	no	no	no	
bh	dcm	8	1	yes	red flare, light, or flash	no		yes	red	no	no	no	
jb	rmb	10	1	yes	orange dot pinpoint of light low to the ground	no		yes	light trail	no	no	no	
jb	prb	10	1	no									
jf	tm	12	1	no									
jf	rtm	12	1	no									
jf	jtm	12	1	no									
dc	jac	2	2	missile yes	yellow red fireball rapidly climbing in straight line	no		yes	yellow red flame	no	no	yes	sound after light 2 to 3 seconds after disappearing
dc	jds	2	2	missile yes	high speed object (yellow white sustainer) arched up, disappeared in clouds, motor burned out, then saw detonation light going up into sky at fast rate of speed (rocket motor burning), after burnout a short delay of no light, then a flash (detonation of warhead)	yes	gray black smoke	yes	yellow white light	no	no	yes	in clouds, heard rocket motor and saw detonation
ds	rsh	4	2	missile yes		no		yes	light	no	no	yes	about 20 to 25 seconds after detonation heard small boom

Observations

inter-viewer	1. initials	3. distance	2. event number	4. sight?	5. and 6. description	7A. smoke	7A. description	7B. flame/light	7C. body	7D. other	8. sound?	8. description
ds	cdh	4	2	missile yes	small light came from behind trees, traveled up into sky, disappeared, after short period of time saw flash of light	no		yes small light	no	no	yes	pop or boom after seeing flash
bw	dfr	6	2	missile yes	white glow like a missile rising rapidly on 80 to 85 degree angle from the surface, detonation at high altitude	no		yes white flame	no	no	no	
bw	slr	6	2	missile yes	white star shooting straight up, went out of sight for a second, came back as a flash	no		yes flash	no	no	no	
bh	rdc	8	2	missile yes	white light up high orange tint circular pin light going straight up into air on a straight line for 6 to 7 seconds	no		yes white light	no	no	no	
bh	glc	8	2	missile yes	white straight light going up in sky	no		yes white light	no	no	no	
bh	damm	8	2	missile yes	yellow ball ascending into clouds	no		no	no	no	no	
jb	mmb	10	2	missile yes	yellow light ascending into the clouds	no		yes yellow light	no	no	no	
jb	prb	10	2	missile yes	white light ascending	no		yes white light	no	no	no	
jf	tm	12	2	missile yes	white golden light moving up	no		yes white golden light	no	no	no	
jf	rtm	12	2	missile yes	bright orange fire trail going straight up	no		yes bright orange flame	no	no	no	aircraft or ripping noise; then a boom after the light disappeared
jf	jtm	12	2	missile yes	light going through sky, starting slowly and gaining speed rapidly, moving in straight line	no		yes yellow red light	no	no	yes	
dc	jac	2	3	missile yes	yellow light or plume climbing 60 degree angle at high speed and then orange yellow detonation	no		yes yellow light	no	no	no	un-intelligible
dc	jds	2	3	missile yes	orange yellow detonation	no		yes yellow light	no	no	no	un-intelligible

Observations

inter-viewer	1. initials	3. distance	2. event number	2. event type	4. sight?	5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound?	8. description
ds	rsh	4	3	missile	yes	light went up into sky at high rate of speed, small delay after burnout, then a flash	no		yes	light	no	no	yes	small boom after detonation
ds	cdh	4	3	missile	yes	small light emerged from behind trees, traveled up into sky, light disappeared, after delay small flash of light above where other light disappeared	no		yes	small light	no	no	yes	small boom about 20 to 30 seconds after flash
bw	dfr	6	3	missile	yes	white glow rising rapidly; then detonation; looked like an airplane but going straight up, faster, and had a wide flame	no		yes	white flame	no	no	no	
bw	slr	6	3	missile	yes	white dot shooting up then disappeared for a second, then a flash	no		yes	white light	no	no	no	
bh	rdc	8	3	missile	yes	white dot going up into sky	no		yes	white light	no	no	no	
bh	glc	8	3	missile	yes	small match straight up into air for 5 to 6 seconds, pause for about 2 seconds, then small flash	no		yes		no	no	no	
bh	dam	8	3	missile	yes	white light going up into sky	no		yes	white light	no	no	no	
jb	mmb	10	3	missile	yes	yellow ball ascending through clouds, then gap, then brighter flare-up	yes	dark gray or black straight line to inverted V	no		no	no	no	
jb	ptb	10	3	missile	yes	yellow light ascending through clouds, then a gap in visible light, then a flash higher up	no		yes	yellow light	maybe	no	no	
jf	tm	12	3	missile	yes	white light going up	no		yes	white light	no	no	no	
jf	rtn	12	3	missile	yes	golden flame shooting straight up	no		yes	golden flickering flame	no	no	no	
jf	jtm	12	3	missile	yes	pulsing orange flying straight up	no		yes	pulsing orange	no	no	no	

Observations

inter-viewer	1. initials	3. distance	2. event number	4. sight? 5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound?	8. description
dc	jac	2	4	control no								
dc	jds	2	4	control yes								
ds	rsh	4	4	control no								
ds	cdh	4	4	control no								
bw	dfr	6	4	control no								
bw	slr	6	4	control no								
bh	rdc	8	4	control no								
bh	glc	8	4	control yes		strobe of incoming aircraft						
bh	darn	8	4	control no								
jb	mmb	10	4	control no								
jb	prb	10	4	control maybe		just before interview, saw something like fireworks or roman candle for about 1 second						
jb	prb	10	4	control no								
jb	tm	12	4	control no								
jb	rtm	12	4	control no								
dc	jac	2	5	control no								
dc	jds	2	5	control yes								
ds	rsh	4	5	control no								
ds	cdh	4	5	control no								
bw	dfr	6	5	control no								
bw	slr	6	5	control no								
bh	rdc	8	5	control no								
bh	glc	8	5	control no								
bh	darn	8	5	control no								
jb	mmb	10	5	control no								
jb	prb	10	5	control no								
jb	prb	10	5	control no								
jb	tm	12	5	control obsrvtn								
jb	rtm	12	5	control obsrvtn								
jb	prb	10	5	control no								
jb	tm	12	5	control no								
jb	rtm	12	5	control obsrvtn								

Observations

inter-viewer	1. initials	3. distance	2. event number	2. event type	4. sight?	5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound?	8. description
jf	jtm	12	5	control	no	bright fast moving light, light went out, then a flash of light	no		yes	yellow red flame	no	no	yes	heard a boom after the light went out
dc	jac	2	6	missile	yes	flash on ground, light streaking up (booster followed by sustainer), 6 seconds later saw flashes, saw detonation 12 seconds after launch high speed bright light	yes	gray white smoke around detonation	yes	yellow light	no	no	yes	about 25 seconds after launch heard detonation
dc	jds	2	6	missile	yes	came from behind trees, after burnout a small period of no light, then a small flash	no		yes	bright light	no	no	yes	about 20 to 25 seconds after detonation, heard boom
ds	rsh	4	6	missile	yes	a light came from behind trees moved up into sky, after delay then a flash of light	no		yes	light	no	no	yes	about 30 seconds after the flash, heard a small boom
ds	cdh	4	6	missile	yes	white glow rising rapidly from the surface, detonation at high altitude, reminded him of fireworks	no		yes	white light	no	no	no	
bw	dfr	6	6	missile	yes	white light going up, disappeared in clouds, reappeared as a white flash	no		yes	white light	no	no	no	
bw	slr	6	6	missile	yes	light going up in sky, disappeared in clouds, then flash of light	no		yes	white light	no	no	no	
bh	rdc	8	6	missile	yes	light like a starlight going up in straight line, disappeared, about 3 seconds later a flash	no		yes	light	no	no	no	
bh	glc	8	6	missile	yes	white light in sky	yes		yes	light	no	no	no	
bh	dam	8	6	missile	yes	orange ball ascending through clouds, flare-up higher above this	no		yes	white light	no	no	no	
jb	mmb	10	6	missile	yes		no		no		no	no	no	

Observations

inter-viewer	1. initials	3. distance	2. event number	event type	4. sight?	5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound?	8. description
jb	prb	10	6	missile	yes	yellow light ascending through clouds, then disappeared, then something like a firework burst	no		yes	yellow light	no	no	no	
jf	tm	14	6	missile	yes	amber color light moving straight up	no		yes	amber light	no	no	no	
jf	rtm	14	6	missile	yes	golden light up to the clouds then fizzle	no		yes	golden light	no	no	no	
jf	jtm	14	6	missile	yes	orange flickering light flying straight up	no		yes	bright orange light	no	no	no	
dc	jac	2	7	control	no	light in the distance nowhere near the launch site								
dc	jds	2	7	control	yes									
ds	rsh	4	7	control	no									
ds	cdh	4	7	control	no									
bw	dfr	6	7	control	no									
bw	slr	6	7	control	no									
bh	rdc	8	7	control	no									
bh	glc	8	7	control	no									
bh	dam	8	7	control	no									
jb	mmb	10	7	control	no									
jb	prb	10	7	control	no									
jf	tm	14	7	control	no									
jf	rtm	14	7	control	no									
jf	jtm	14	7	control	no									
dc	jac	2	8	control	yes	glimpse of white light real low	no		yes	glimpse of white light	no	no	no	
dc	jds	2	8	control	no									
ds	rsh	4	8	control	no									
ds	cdh	4	8	control	no									
bw	dfr	6	8	control	no									
bw	slr	6	8	control	no									
bh	rdc	8	8	control	no									
bh	glc	8	8	control	no									

Observations

inter-viewer	1. initials	3. distance	2. event number	2. event type	4. sight? 5. and 6. description	7A. smoke	7A. description	7B. flame/light	7B. description	7C. body	7D. other	8. sound? 8. description
bh	dam	8	8	control	no							
jb	mmb	10	8	control	no							
jb	prb	10	8	control	no							
jf	tm	16	8	control	no							
jf	rtm	16	8	control	no							
jf	jtm	16	8	control	no							
dc	jac	2	9	control	no							
dc	jds	2	9	control	no							
ds	rsh	4	9	control	no							
ds	cdh	4	9	control	no							
bw	dfr	6	9	control	no							
bw	slr	6	9	control	no							
bh	rdc	8	9	control	no							
bh	glc	8	9	control	no							
bh	dam	8	9	control	no							
jb	mmb	10	9	control	no							
jb	prb	10	9	control	no							
jf	tm	16	9	control	no							
jf	rtm	16	9	control	no							
jf	jtm	16	9	control	no							