

9-11 SCIENCE REPORT

By Dr. Stefan G. E. Grossmann

<http://www.gallerize.com>

APPENDIX A: FORGOTTEN BOMBS - How Internal Explosions Blew Up the World Trade Center on September 11, 2001 Per: September 14, 2004

Executive Summary:

I refer to my “9-11 SCIENCE REPORT” and my multimedia e-book show “T MINUS 9-11, An Insiders’ Attack on America” for the overall understanding of 9-11. The Appendices A through C detail key issues: the bombs/internal explosions, the low fire temperatures insufficient to weaken, much less melt steel, and the collective insanity of the U.S. governing regime.

Herein: Loads of forensic data ignored by the government and mainstream media. Such as: A 600,000 pound (270 metric ton) steel beam flew through the air for 390 feet and struck deep inside a neighboring building. The energy it takes is more than to launch *two* Boeing 767-200 planes. Before 9:00 a.m., the lobby of WTC7 exploded which was the reason for evacuating this building. Many witnesses heard, saw and felt huge explosions in the towers and underground. Heavy debris rained over hundreds of acres damaging buildings like from an erupting „mini-volcano“. This forgotten evidence points to gigantic internal explosions inside the World Trade Center. This evidence gives a clear interpretation to the scientifically clear seismic recordings of Richter scale 2.2 underground explosions instants before each of the twin towers fell. This has never been compiled before in this form. With a witness list including 141 entries, several of these are links to other older witness lists. Incriminating with relation to a governmental mass murder.

The Fire Temperature Discussion – Or, How the Towers *Didn't* Fall

1. How does the government explain the twin towers collapsed?
2. At what temperature can fire weaken a steel structure?
3. Name the evidence that proves that the fires in the twin towers were nowhere close to being so hot as to be able to weaken or even melt steel!
4. Name the counter-evidence that proves that the fires in the twin towers were so hot as to be able to weaken steel!
5. What does America's oldest fire-fighting magazine have to say about the government's fire investigation?

Correct Answers for Part Three:

1. In the FEMA World Trade Center Building Performance Report (online as pdf), the government admits that the physical impacts of the (pseudo-)planes was entirely insufficient to knock the towers down. Then, the government alleges, the so-called kerosene from the so-called airplanes' tanks caught fire and lit the towers up. This allegedly caused "raging fire infernos" in both twin towers over an extended period of time. As a result of this, the structural steel of the towers was not melted but weakened. Finally, the horizontal trusses connecting the core steel with the perimeter steel columns buckled, and at such time each tower imploded top-down to dust and collapsed.

For WTC7, a 48-storey tower, the FEMA in effect says they do not know what caused it to collapse. For the loud and volcano-like explosion of WTC6 (the U.S. customs building), the FEMA refused to collect or publish any data.

Note by the disgusted author: The above "truss theory" for the collapse of the twin towers is an insult to any intelligent person who takes the time to go into the details. See the following.

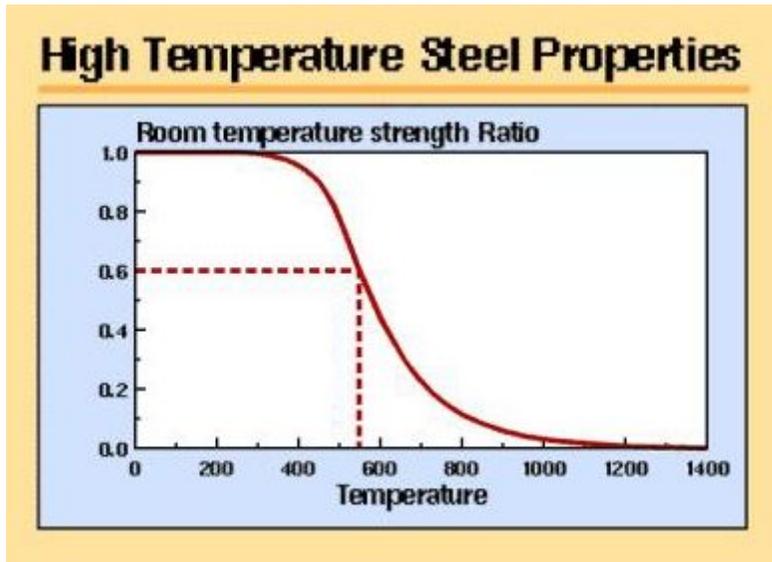
More recently, the government has actually contradicted itself by publishing the finding of its investigators that the steel of the twin towers was no cause in the collapse of the towers (the - still ongoing - NIST steel investigation).

<http://www.underreported.com/modules.php?op=modload&name=News&file=article&sid=1118&mode=thread&order=0&thold=0>

The government has made further forensic investigations impossible by disappearing over 1.5 million tons of rubble, in effect destroying the crime scene which is in itself a crime.

THUS, IT IS NOT CLEAR TODAY WHAT EXPLANATION THE GOVERNMENT OFFERS FOR THE COLLAPSE OF THE TWIN TOWERS. THE GOVERNMENT IS SAYING THEY DO NOT HAVE AN EXPLANATION FOR THE COLLAPSE OF BUILDINGS 7, 6 AND THE TWIN TOWERS.

2. Here is an overview curve for the temperature than can weaken steel (in degrees Celsius):



Steel can be weakened (heat-softened) by longer exposure to temperatures over around 500 degrees Celsius. Steel melts at temperatures over about 1,350 degrees Celsius.

Celsius versus Fahrenheit is:

Celsius	Fahrenheit
250	482
500	932
1350	2462

3. I have written about the following, but the list is probably not complete:

- NY firemen (under Chief Palmer) were above the 70th floor in south tower shortly before the tower collapsed. The firemen found no raging fire inferno. They mentioned only two fire pockets. The firemen ordered a pair of engine companies and they thought they could put the fires out. There was no panic nor any sign that the tower would collapse. This information is on a fire department tape. The government withheld this tape from the public for over a year. It was then finally published, and the New York Times reported the story.

- German company Convar, a contractor for the FBI, was able to restore over 400 computer hard drives from the rubble of the World Trade Center. All hard drives were restored. They recorded financial transactions and other data until seconds before the collapse of the respective building. Computer hard drives are irretrievable gone at temperatures above about 250 degrees Celsius (about 480 degrees Fahrenheit). If there had indeed been “hot raging fire infernos” in the twin towers, the computer hard drives would have been gone. The computer hard drives functioned as thermometers telling of the relatively low temperatures throughout the towers before the collapse.

- The kerosene in the pseudo-planes did not exist. Even if there had been real planes, their kerosene amounts were far too small, and burned in the first seven minutes, to cause the steel to weaken for a collapse.

- The tragic “jumpers” came close to the outer steel pillars and actually touched them, resting by them. Steel is a good heat conductor. If any large part of the towers’ steel had been heated very hot such as to weaken steel, then the entire steel structure would have radiated such heat like a hot toaster. No jumper could have jumped through the pillars because at such temperatures as weaken steel, the human body is killed by an instant heat shock.
- The smoke from the fires was from low-temperature fires at the threshold to a mere smolder. The smoke contained 75 organic toxins such as form at low temperatures.
- No raging fire infernos could be seen from the outside. In all other cases of raging fire infernos, this can be seen through its flames from the outside.
- An additional argument might be the millions of papers that rained from the towers as they collapsed. If the room temperature had been 500 degrees Celsius, the papers would have caught fire inside the buildings and would have burned. Not even the millions of papers that rained from the collapse sites burned, however.
- Indirectly, the government investigators at the NIST have admitted that there were no such not fires because they admitted tentatively that weak steel did not play a role in the collapse of the towers (above, answer one towards the end).

4. None. The government has provided no counter-evidence to prove their ludicrous theory.
5. William Manning, the editor of “Fire Engineering” magazine, speaking for many of his fire-fighting colleagues, has labeled the so-called fire investigations of the government for 9-11 a “**half-baked farce.**” See article by Christopher Bollyn, http://www.americanfreepress.net/Conspiracy/Fire_Engineers_Call_WTC_Probe/fire_engineers_call_wtc_probe.html
 Many additional details are in my book “T MINUS 9-11” (pages 274-277 and throughout) at my site www.gallerize.com. -- More specifics on the fire now in Appendix B.

Why the Towers **Really** Fell:

1. Before 9-11-1, how many steel highrise buildings fell due to fire?
2. Is there a method of letting steel highrise buildings collapse vertically into themselves?
3. What are typical signs of a controlled demolition?
4. Does the collapse of the twin towers show signs of a controlled demolition?
5. Which controlled demolition company helped clear the rubble of both the Alfred P. Murrah federal building in Oklahoma city (mini-nuked on April 19, 1995)

and of the World Trade Center in Manhattan (bombed to smithereens on September 11, 2001)?

6. Who was responsible for the security of the twin towers of the World Trade Center on September 11 2001?

7. What is the story of WTC7 (building 7) on 9-11-1?

8. What is the story of WTC6 (building 6) on 9-11-1?

9. Did seismic recorders record explosions at the World Trade Center on 9-11-1?

10. Did eyewitnesses see and hear explosions at the World Trade Center on 9-11-1?

11. Are there photos and videos of explosions at the World Trade Center on 9-11-1?

12. What do the huge dust clouds from the collapse of the twin towers mean?

13. View these two video stills:



The video shows a sudden very bright flare near the end of the collapse (this is on video for each of the two twin towers).

What is the explanation for the bright flare near the end of the collapse?

14. Were there pools of hot molten steel in the basement of the twin towers after the collapse?

Correct Answers:

1. None.

2. Yes. The method is called a “controlled demolition”. It is done by special controlled demolition companies. It requires the deployment of detonators throughout the building. They need to be wired, and their explosions coordinated closely, today done through a computer with a detonation plan. One sometimes sees this demonstrated on TV as for an

old apartment highrise or an old hotel. Check it out on the internet and look at the typical huge dust clouds rising, and other tell-tale signs.

3. Here is a checklist of indicators for controlled demolitions:

- Loud bangs and booms as from explosions
- Expanding explosion gases
- Building collapses suddenly
- Absence of any other cause
- Explosion vibrations, sounds, lights and squibs
- Lateral (sideways) forces
- Fast (almost free-fall) speed of the collapse
- Top-down collapse (not chaotic collapse from the middle or bottom)
- Neat straight vertical collapse of the building “into itself”
- The cement gets pulverized to microscopic nano-dust particles
- Large dust clouds from the detonations

4. Yes. It shows all of the above signs (some of the evidence see below).

5. Controlled Demolition Inc.

<http://www.controlled-demolition.com/>

<http://www.serendipity.li/wot/debris.htm>

<http://www.controlled-demolition.com/default.asp?reqMode=1&reqLocId=7&reqItemId=20030317124730>

6. The Bush family. Marvin P. Bush, a brother of George W. Bush, was the Director of the Board and at the World Trade Center on the morning of 9-11-1. Details see my report, section II, at

<http://www.cloakanddagger.ca/media/Grossmann/Four%20Horsemen/066%20Four%20Riders%20of%209-11%20Apocalypse.htm>

The dealings of Marvin Bush have been covered by journalist Margie Burns, published on the internet, check out at a search engine.

7. WTC7: Larry Silverstein, building owner who sued for over \$6 billion in damages from insurances for 9-11-1, has admitted on TV that building 7 was taken down on 9-11-1 (most reports say about 5:30 p.m.) by way of a controlled demolition. Much has been written about this key admission, see for example:

<http://www.infowars.com/print/Sept11/FDNY.htm>

<http://www.serendipity.li/wot/wtc7newspaper.htm>

<http://www.rense.com/general47/pulled.htm>

<http://www.911review.org/Wget/www.whatreallyhappened.com/cutter.html>

http://www.wtc-terrorattack.com/wtc7/collaps_wtc7.htm

<http://www.the7thfire.com/Politics%20and%20History/WTC7Fairytale.htm>

The Silverstein family, a major campaign financier of Bush, is reportedly closely linked to the Connecticut terror cell that orchestrated 9-11-1, see my report, section III, paragraph “The financial contacts ... “,

<http://www.cloakanddagger.ca/media/Grossmann/Four%20Horsemen/066%20Four%20Riders%20of%209-11%20Apocalypse.htm>

8. WTC6: This building erupted like a volcano with a huge explosion plume at or around 9:04 a.m. on 9-11-1. It left two craters in the building, (photo linked below) and all windows were broken
<http://parrhesia.com/wtc/tn/wtc063.jpg.html>

Building 6 was the U.S. customs building. It had a mere 8 floors, and its collapse is inexplicable in terms of the Bushfraud government's fraudulent "collapse" theory. The explosions "non-coincidentally" took place at the same time as the U.S. Air Force flew a cruise missile camouflaged to look like an airplane into WTC2 (south tower).

Here are some more details:

Overview on Peter Meyer's site with one of the photos:
http://www.serendipity.li/wot/wtc_other.htm

Article by Christopher Bollyn:
http://www.americanfreepress.net/07_14_02/Unexplained_9-11_/unexplained_9-11_.html

The meticulous sleuths at
<http://www.911research.wtc7.net/wtc/attack/wtc6.html>
have additional details:

„WTC 6 was an 8-story building that stood directly northeast of the the North Tower (WTC 1). It housed the offices of 760 employees of the U.S. Customs service.

800 workers were evacuated from WTC 6 within 12 minutes of the first plane striking the North Tower. That impact caused debris to rain down on the roof of Building 6 which was adjacent to the impacted wall of the tower.

WTC 6 was severely damaged on September 11th with 2 holes that extend the height of the building. The photo, from directly overhead WTC 6 on September 23, shows a large crater in the center of the building, and a smaller one in the southeast end (right-hand side of photo). The holes had remarkably clean profiles, with the same region punched out of each floor. (...)

Serious fires raged through WTC 6 for hours. Despite the massive structural damage shown by the holes, and fires far more severe than those in WTC 1, 2, and 7, WTC 6 did not collapse.

[The cratered stump of] WTC 6 was demolished [by December 2001] as part of the clean-up of ground zero. FEMA, the agency charged with investigating the disaster, did not collect any data on this building.“

Here is a screenshot from a CNN video that shows how, seconds after the pseudo-UA175 UFO hit south tower, building 6 (the building itself is too low to be seen here) erupted in a huge explosion blast like a volcano (quick-rising dust plume to the left of the large tower):



9. SEISMIC: Seismic recorders of a university recorded sharp explosion spikes like a Richter scale 2.2 earthquake at the beginning of each collapse of the twin towers. Details:

Article by Christopher Bollyn:

http://www.americanfreepress.net/09_03_02/NEW_SEISMIC_/new_seismic_.html

Scientific analysis:

<http://www.911research.wtc7.net/wtc/evidence/seismic.html>

More details in my book "T MINUS 9-11" (pages 277-282) at www.gallerize.com

10. EXPERT WITNESSES AND EYEWITNESSES

&

11. PHOTOS & VIDEOS:

To understand better that a missile and no commercial airplane hit the towers and that numerous explosives were placed in the towers, review Van Romero

<http://st12.startlogic.com/~xenonpup//experts/>,

engine 7 fireman Joe Casaliggi

<http://st12.startlogic.com/~xenonpup/collapse%20update/Engine-7.htm> ,

the NYFD security chief Albert Turi who collected reports of explosions from his firemen

<http://www.prisonplanet.tv/articles/may2004/050504bombsinwtc.htm> ,

Henrik Melvang/and another (anonymous) Danish researcher

<http://www.bombsinsidewtc.dk/> and <http://www.terrorize.dk> (with good photos and videos)

Melvang alleges on his web sites that there were bombs in the World Trade Center, that they exploded their main charge before the towers started collapsing (as the seismic recorders prove with certainty) and that he has five videos of news stations taken on 9-11-1 that show huge dust clouds from ground/underground explosions before (repeat: before) the towers started collapsing. One such video is the

[first.plume.of.smoke.wmv](http://www.first.plume.of.smoke.wmv)

that is linked on his page

<http://www.terrorize.dk/9-11.php?pid=misc>

Look at the foregoing video several times. *When the camera looks up you see both twin towers standing. (After the fall of south tower, you would see a very wide mushroom cloud in its place which is not here yet.) Yet, at the same time, you see the huge explosion dust cloud (not „fire smoke“) at the ground.* That is additional 100% proof of the huge pre-collapse explosion that the seismic recorders recorded. The twin towers were bombed.

Thus:
IT WAS A
BUSHBOMB!

Further, see under the general search term „9-11 explosions“, such as the following sites:

<http://www.letsroll911.org/articles/controlledemolition.html> (eyewitnesses)

<http://www.thememoryhole.org/911/veliz-bombs.htm> (survivor)

<http://911research.wtc7.net/wtc/analysis/collapses/explosions.html>

<http://911research.wtc7.net/wtc/analysis/theories/explosives.html>

<http://911research.wtc7.net/pentagon/analysis/conclusions/explosion.html>

http://www.firehouse.com/terrorist/11_APdc.html

<http://users.compaqnet.be/genealogy.search.family.history/911-wtc-new-york-attack-survivor-victim-list.htm> (links some survivor accounts)

<http://www.firehouse.com/terrorist/911/magazine/gz/hansson.html> (Lieutenant Greg Hansson's report)

http://www.prisonplanet.com/analysis_lavello_050503_bombs.html (Randy Lavello)

<http://www.truthorfiction.com/rumors/s/survivor3.htm> (Sujo & Mini)

<http://www.mrbellersneighborhood.com/sec9/theashenguy> (a survivor reporting of an explosion)

<http://www.whatreallyhappened.com/eyewitness.html> (eyewitness bomb reports)

<http://www.911blimp.net/videos.shtml> (scroll near end for the video testimony of a NY fireman of a pre-collapse explosion)

By its very nature, this evidence cannot be disproven. Not even the government can prove that there were “no explosions” at the WTC since this would require a God-like knowledge. Under evidentiary standards, it is compelling to believe the many credible eyewitnesses who felt, heard and saw large explosions in and under the twin towers, especially at the time of the two collapses.

12. **HUGE DUST CLOUDS:** The huge dust clouds are the result from expanding explosion gases. The physics of this is somewhat complicated but scientifically sound. It indicates large explosion energies around 100 times greater than the gravitational energy of the collapses. See scientific article by Jim Hoffman,

<http://physics911.org/net/modules/news/article.php?storyid=12>

The dust clouds consisted mainly of the pulverized cement of the twin towers. This was not normal cement dust but consisted of microscopically fine nano-particles that are caused by extremely strong explosion forces and by scalar (harmonic) weapons. The twin towers did not only collapse but were pulverized,

<http://www.911research.wtc7.net/wtc/evidence/steel.html>

This does not happen by fires.

13. The glow indicates radiation as from a nuclear device or use of scalar distance weaponry. It is the only energy apparent at the World Trade Center that could actually melt steel into liquid pools (see next answer). Since no complaints of nuclear radiation sickness have become loud by any of the many helpers at ground zero, this would indicate that the bright flare was not nuclear but scalar.

14. Yes. For about three weeks, the basements of the twin towers at “ground zero” were filled with pools of hot molten steel.

http://www.americanfreepress.net/09_03_02/NEW_SEISMIC_/new_seismic_.html

Here is the government report on the unusual and persisting thermal hot spots resulting from the molten steel in the caverns beneath ground zero:

<http://pubs.usgs.gov/of/2001/ofr-01-0429/imspec.html>

No fire caused this. It is evidently the result of a major explosion at the time when each tower collapsed. The flare mentioned above is a sign that either nuclear or scalar weapons were used. For scalar weapons in general, see Tom Bearden’s web site,

www.cheniere.org

After carefully reviewing all of the foregoing evidence (which takes at least several days), it is fully evident that the WTC twin towers were attacked by missiles and then were cut down on 9-11-1 by detonators in controlled demolitions.

And here is even much much

more:

I SEE A GREAT WIND ...

It is coming from the tower ...

It drives a huge steel beam that is twice as heavy as a large airplane over 390 feet and sinks it deep into a neighboring building.

The riddle: On what wind did the steel beam ride?

The answer begins here:



**The beam weighed 600,000 pounds.
It drove deep into the building.
It happened in Manhattan on 9-11-1
when the World Trade Center exploded
through a gigantic set of bombs.**

**The American government meticulously
reported that this heavy beam flew from the
tower into its neighboring building, over
390 feet away.**

A basic Boeing 767-200 has a maximum gross weight of 300,000 pounds. To get to fly, it needs a runway 5,700 feet long.

The huge steel beam rocketed from the dying tower in under ten percent of that stretch. Like it was accelerated by the sling of an aircraft carrier.

The government then put this information in its public internet digital archive of the Library of Congress, <http://www.911da.org/crr/images/CRRDB/data/documents/3424.htm>

The building is the building of American Express (World Financial Center 3), <http://www.wirednewyork.com/wfc/3wfc/default.htm>
<http://www.cgau1sr.org/photo/WTC/P00Web04837.jpg>
<http://www.cgau1sr.org/photo/WTC/P00Web6004836.jpg>

Its closest corner was 390 feet away from the closest corner of the twin towers, FEMA Building Performance Report for the World Trade Center, chapter 1, maps and graphics, especially page 1-12, figure 1-9A, with scale in feet, pdf online, <http://www.fema.gov/library/wtcstudy.shtm>

If you know of any other way how to accelerate such 600,000 pound steel beam except strong explosives, please e-mail me at stefangrossmann@t-online.de.

The steel beam was not driven out when the flying object hit the building because the beam is from the inside of the dying building. No such ejection is seen on video, either. Further, the building that was hit is too far on the side and is thus in the shadow or near shadow of the initial impact explosion. Hence – the steel beam flew into the World Financial Center when the World Trade Center collapsed. Obviously through bombs.

No bombs – no 600,000 pound beam flying over 390 feet and piercing into the other building.

Have other people noticed that the World Trade Center was heavily rigged with bombs on 9-11-1? Yes, these people are eyewitnesses. Let us work up to them over the next pages:

THE WINDY TOWERS OF 9-11

Strange Air Streams at the Collapsing Towers

Stefan Grossmann, <http://www.gallerize.com/>, July 10th, 2004

*When there was a huge explosion in the lobby,
all the windows popped to the outside.
What, then, made the windows and
their framing 1,000 pound steel
spandrels rocket away from
the towers and fly for
100s of feet???*

*They were as big as trucks
- I didn't say: -- ducks.*

Have you read and digested my 9-11 TEST FOR WEBSLEUTHS?
<http://www.cloakanddagger.ca/media/Grossmann/081%209-11%20Tests.htm>

If so, you are ready for the explosions. Fasten seat belts, it's very windy here:

I.

Terror Tuesday was a beautiful sunny cloudless September morning, 9-11-1. By no coincidence alone has our Great Creator given it the same date as the emergency phone number, 911.

Not only was the morning cloudless and sunny. But windy as well:



All the time, windy. Smoke blowing in the wind in one direction.

Until:



Like when a new Pope is elected, the smoke turned light.
(an anonymous Danish researcher's eagle eye has seen, and he marked,
the secondary explosion coming from mid-height.)

And the wind changed. It now came from inside the building, blowing out in all four directions.

II.

Albert Turi is the guy who explained on 9-11-1 to NBC's Pat Dawson that there were secondary explosions in the towers and that bombs were planted there.

Many other firemen together with Turi made these observations of bombs exploding. Some firemen used the expression “detonators”.

Several days later, experts and witnesses throughout the U.S.A. like on command recalled their bomb testimonials. It never became clear what later observations prompted them to change their original observations.

Were the later observations that changed them new insights about the towers, or were they observations of a person talking to them?

Alex Jones has reported that the New York Fire Department got a “security consultant” – a former head of the CIA. This slug made a special point to tell the members of the New York Fire Department to shut up and not talk about the bombs that they saw, heard and felt in the twin towers on 9-11-1 before the towers fell.

That’s what is called the rule of law. The law of silence.

III.

But bombs aren’t silent. They wish to talk.

Even through the thick curtain of censorship.

Turi gave another interview, this time in October 2001. To a comrade in the NYFD. The interview ended up being printed in the New York Times.

Get a flavor of Turi’s October 2001 interview:

Let me stop you there for a second, Chief [Turi]. When you were in the lobby of 1 World Trade, can you describe the interior and the condition of the lobby?

A. Yes. I was surprised that all the glass was mostly out. I wasn’t sure how it got out. I didn’t think we took it out. I just assumed that it was the vibration of the aircraft hitting it. And I did notice some pieces or marble that looked like it was dislodged from the core area.

Q. Can you describe how many civilians you might have seen at that point?

A. I can talk about that because that surprised me. There were very few civilians, very few, which just led me to believe they had already left, the people that could

get out on their own, or they were exiting another way out I couldn't see. But usually during a high-rise fire, and I've been to 20 of them in my career, there's usually so many civilians in the lobby that it becomes a problem, and that was notably absent.

Marble dislodged from the core area of the lobby? Civilians notably absent? Hmm!

Al Turi talks further:

C. Absolutely. That conversation, by the way, took place in the ramp driveway leading into the garage?

A. That is correct; right at the ramp. The ramp was still on the exterior. We were not in the garage. Maybe 20 feet from the opening of the garage.

The next thing I heard was Pete say what the . . . is this? And as my eyes traveled up the building, and I was looking at the south tower, somewhere about halfway up, my initial reaction was there was a secondary explosion, and the entire floor area, a ring right around the building blew out. I later realized that the building had started to collapse already and this was the air being compressed and that is the floor that let go.

Note: uhuh, it ain't so! You're mistaken, Chief Turi! We know that the horizontal explosions started BEFORE the collapse began, see:



And as my eyes traveled further up the building, I realized that this building was collapsing and I turned around and most everybody was ahead of me running for the garage, and I remember thinking I looked at this thing a little bit too long and I might not make this garage. But I did.

We know the New York firemen are okay. They are not in bed with crooked Bushfraud.

Through the veil of censorship, Turi is telling us his most important observation: The bombing of south tower started in the ground floor lobby, then later on in the middle around the 50th or 60th floor. Then as Turi looked higher up the building, he saw that its top was collapsing.

In order to sneak past censorship, Turi explains that in the middle of the tower, a floor was collapsing and the exiting winds were air being compressed by the falling floor. He starts this particular explanation with the words, “I later realized” We may read: “Our CIA security consultant later instructed me”

No fires were burning in the middle of the tower. Where there is no smoke there is no fire. The smoke and hence the fire started higher up, in the higher 70s.

And wind was coming out.

IV.



In the right of the photo, no wind is driving out a dust cloud because the tower is still more or less straight.

In the left of the photo, wind is driving out a dust cloud because the tower is still more or less straight.

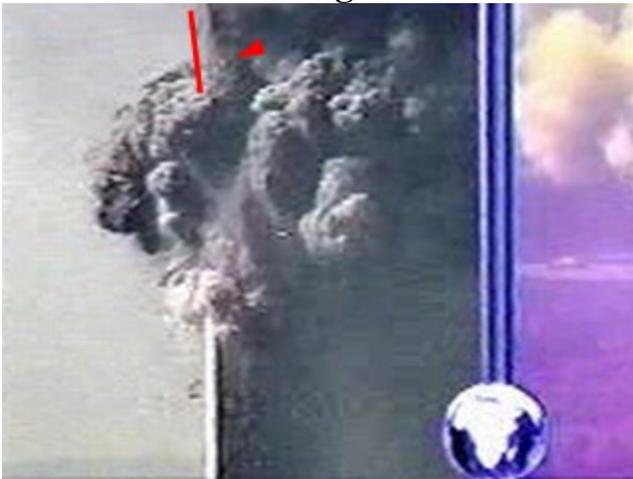
Is this the logic of Abu Ghraib?

Let's try again:

In the right of the photo, no wind is driving out a dust cloud because there are no bombs there to create the wind.

In the left of the photo, wind is driving out a dust cloud because there are bombs there to create the wind.

And to cut the building down:



Also known as the south tower collapse. Here: its beginning. Through bombs.

Notice: Under the logic of Abu Ghraib, the smaller the slant of the beginning fall, the larger the “push” of the wind into the dust clouds – by bombs which triggered the fall.

Question: Who told the tower to follow the tortured logic of Abu Ghraib? Hey, did it have a CIA security consultant too?

V.

I would take argument on terminology. Maybe at this point, it was not longer a tower but a large bomb. Towers don't explode and go up in dust. Bombs do. Bombs create exploding gases. Such as in the photos of south tower collapse. (And north tower collapse.)

Under these standards, the whole World Trade Center was a bomb:



The World Trade Center: gone!

One key reason why the U.S. government criminally disappeared the entire crime scene is so no one can measure and weigh that nearly all the cement was pulverized to fine nano-dust.

Like in a controlled demolition.

The updraft (upwards winds driving the clouds up) is thermic. Hot air rises.

Air becomes hot when it is heated.

Like in a controlled demolition:

VI.

The Seattle Kingdome: gone!



Mark Loizeaux, president of Controlled Demolition Inc., holds up a “scorpion.” On Sunday, the machine will generate a 600-volt electrical charge to set off the explosives that bring down the Kingdome. (March 22, 2000)

Photo Credit: Renee C. Byer/Seattle Post-Intelligencer



The Kingdome disappears into a cloud of dust, as seen from Victor Steinbrueck Park at the Pike Place Market. (March 26, 2000)

Photo Credit: James Johnson/Seattle Post-Intelligencer



A huge cloud of dust moves toward downtown after the Kingdome's implosion. Afterward, work crews toiled for hours to clean up the debris. (March 26, 2000)

Photo Credit: Paul Kitagaki Jr./Seattle Post-Intelligencer



Fine dust from the implosion turns the red bricks of Pioneer Square a subtle gray. (March 26, 2000)

Photo Credit: Mike Urban/Seattle Post-Intelligencer



A worker strides across one of the Dome's fallen "ribs" after the implosion. (March 26, 2000)

Photo Credit: Dan DeLong/Seattle Post-Intelligencer



Boats packed Elliott Bay Sunday morning to watch the implosion from the water. Although Washington State Ferries attempted to stick to a normal schedule despite the demolition work, vessels were delayed by the marine traffic jam. (March 26, 2000)

Photo Credit: Paul Kitagaki Jr./Seattle Post-Intelligencer

(Texts under these photos from Seattle Post.)

VII.

It was a Loizeaux. I can always tell a Picasso painting, too (especially when it is signed!)

VIII.

Let's look at the explosion wind from how the south tower was hit:



South tower is on the right of north tower, just seen exploding from the hit. Note the clouds expanding out of south tower due to the explosion wind.



This photo shows the explosion wind during the collapse of south tower. The explosion wind is even stronger than at impact because it drives heavy steel debris far out from the tower. **According to witnesses, such debris was blasted out (by Bushbombs) as far out as Battery Park to the south, and to the east even to Brooklyn Bridge which is about a mile away from the site of the World Trade Center. This is clear evidence of explosives of the most massive type. We will get to the witnesses on page four of this article.**

Note at the ground near-by south tower the growing dust cloud from the ground explosion that was seismically recorded with the force of a Richter scale 2.2 earthquake instants before the tower started collapsing.



A look at the north tower hit for comparison. – By the way, look in the top left corner of this photo – what do we see there? More wind! From bombs! Obviously not related to the impact!



Two of the famous yet unexplained UFO photos from 9-11. They underline the strangeness of the case.



Signed by the uniform demolition mode. Lend wings to steel debris, and you get the windy towers of 9-11 as they collapse.



**North tower collapsing. Did gravity let the steel fly?
No, it was the winds of 9-11. Blowing from out of the building.**



**Rising mushroom cloud.
What lets this mushroom grow?
Ask someone in Hiroshima!**



„Some of these buses were found melted in the debris of the WTC.”

Information provided by: <http://www.nidhin.com/wtctour.html>.

This matches with the pools of molten steel in the basements of the WTC after the attacks. There are many signs that before the collapses, temperatures were under 500 degrees Fahrenheit in the rooms of the twin towers (paper did not burn, PC hard drives survived, firemen saw no hot raging fire infernos but only fire pockets, etc.). At the end of each collapse, a huge flash of light shined, and apparently at such time large amounts of steel melted, including such buses enveloped by the whirlwind of steel, glass and dust. This distinguishes the fall of the twin towers from natural collapses – they collapsed unnaturally, of very powerful controlled demolition explosions.

We know the U.S. Army has a weapon that melts buses, see <http://www.rense.com/general40/secret.htm>, a quote:

On that date [Baghdad, 4-12-3], al-Ghazali and his family sheltered in their house as a fierce street battle erupted in his neighborhood. In the midst of the fighting, he noticed that the Americans had called up an oddly configured tank. Then to his amazement the tank suddenly let loose a blinding stream of what seemed like fire and lightning, engulfing a large passenger bus and three automobiles. Within seconds the bus had become semi-molten, sagging “like a wet rag” as he put it. He said the bus rapidly melted under this withering blast, shrinking until it was a twisted blob about the dimensions of a VW bug. As if that were not bizarre enough, al-Ghazali explicitly describes seeing numerous human bodies shriveled to the size of newborn babies. By the time local street fighting ended that day, he estimates between 500 and 600 soldiers and civilians had been cooked alive as a result of the mysterious tank-mounted device.

More on such Tesla-Bearden “scalar” ray weapons: www.cheniere.org.

GROSSMANN assumes that the yellow entry flash one instant before the pseudo-planes hit the twin towers was of this same nature, in order to melt a hole for the in-flying missiles, seen as a plane-outline “impact hole” in the steel-column tower walls.
(See **BEARDEN** in the alphabetical witness list on page 4 of this article.)



Roarin' winds ...

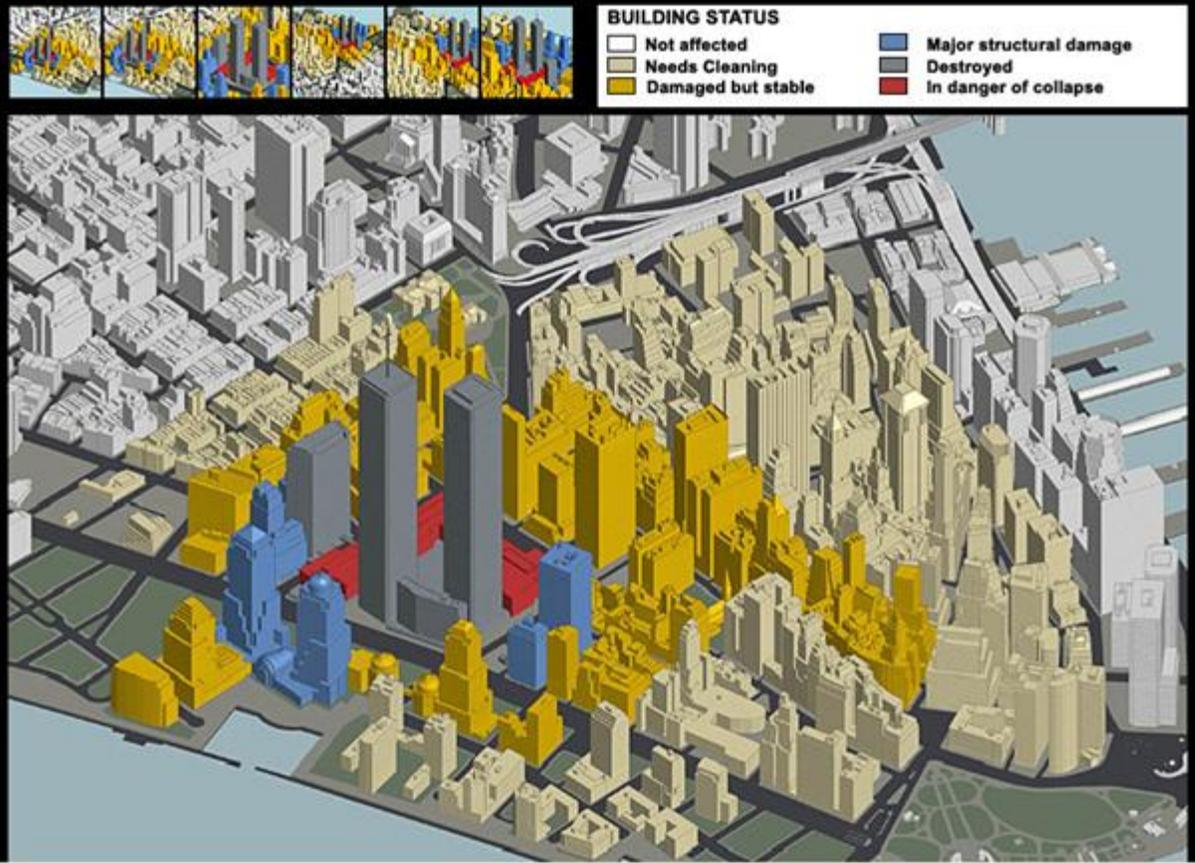
The poetry of winds is that they spread steel debris like leaves in autumn.

WAR AGAINST TERROR

CNN.COM ▶ AMERICA AT HOME FRONT LINES BIN LADEN AFGHANISTAN BATTLEFIELD VICTIMS SEPTEMBER 11

Damage report from the city of New York.

Click thumbnails for closer view.



Look at the yellow/orange marked area. Buildings in this area were „damaged but stable“ (on another map: “damaged but stable/ready for occupancy after repair”) during the attacks on the World Trade Center on September 11, 2001.

My question is: How could heavy damaging debris be spread so far?

Some of the heaviest damage was in sectors where the initial explosions did not reach because the areas were in the shadow of the initial explosions.

It's the winds of 9-11! They carry destruction and steel!

Let us insert here a key 12 page detail report by the insurance industry of the huge damage field in Manhattan with a radius of 3000 meters (over 1.5 miles) around the WTC bombing site (overleaf):





World Trade Center Disaster

RMS Special Report
September 18, 2001



Risk Management Solutions

SUMMARY

This report summarizes research, and limited on-site reconnaissance, conducted over the past week to help qualify, and quantify as best as possible, the magnitude of the damage and insured loss from the September 11 disaster at the World Trade Center. In preparing this information, RMS is mindful that this catastrophe has directly impacted many of our clients, their offices, and most critically their personnel.

This unprecedented catastrophe presents a difficult challenge to all who are trying to estimate potential exposures and losses. The lack of authoritative information is evoking considerable speculation. Last Friday, Sax Riley, Lloyd's chairman said that loss quantification at this stage was meaningless, and the week's events had "generated the most complex set of insurance liabilities and inter-dependencies the industry has ever seen."ⁱ On Monday, an opinion was finally given on a key question affecting all loss estimation efforts. According to Hannover Re, the "\$4.1 billion property insurance policy covering the World Trade Center did not include an explicit terrorism exclusion clause within the contract."ⁱⁱ Therefore, it is now quite likely that the insurance industry will cover the majority of claims arising from this disaster.

Although RMS does not explicitly model this type of event, modeling analytics and lessons from natural catastrophes can provide some useful guidance in helping frame the potential insurance consequences of this tragedy. Insured losses from this disaster will come from several main categories: Property Damage, Business Interruption, Casualty, Liability, and Aviation covers.

In this report, RMS concentrates on identifying the property impacts and potential losses. RMS estimates that the property component of losses will be \$7 to \$11 billion, including building, contents, and direct business interruption losses generally associated with property claims. This estimate is based on an analysis of the damage mechanisms, exposure densities, and replacement costs for five damage potential zones in the disaster region. More details are provided in the Property Damage section of this report. An additional section discusses issues affecting contingent business interruption, casualty, aviation, and liability losses for this disaster.

As major re/insurers release early estimates, rating agencies and analysts are estimating that the total industry loss will be in the \$20 to \$30 billion range.ⁱⁱⁱ Based upon the analysis outlined herein, RMS expects that the total insured loss may reach, or even exceed, \$25 billion, making this the costliest insured catastrophe in history. Furthermore, the nature of the likely losses, and loss concentrations within the commercial sector, suggest that a significant portion of the total loss will be borne ultimately by the reinsurance industry, particularly institutions outside the U.S. While the overall loss will be unprecedented, it is important to note that most re/insurers' balance sheets, and the industry as a whole, are capitalized to withstand catastrophe losses well in excess of the current estimates for this event. For example, the 100-year natural catastrophe loss in the U.S. is about \$50 billion in property losses alone.

Key factors influencing the total loss outcome are the business community's ability to recover quickly, as well as liability issues. RMS will continue to research this disaster and refine our analyses as engineering surveys are completed and more information becomes available.

PROPERTY DAMAGE

Property-related claims for the WTC disaster will include building, contents, and direct business interruption losses. Contingent, or indirect, business interruption losses are discussed in a following section.

Property losses will extend well beyond the immediate devastation zone surrounding the World Trade Center (WTC) towers. Although this disaster is of a very different magnitude, its impact is not unlike the 1995 Oklahoma City bombing of the 9-story Alfred P. Murrah building, which severely damaged or destroyed 25 nearby buildings and damaged another 300.^{iv}

To estimate the nature and intensity of the loss extent beyond the WTC towers, RMS has researched a series of potential damage mechanisms and considered the loss levels each is likely to have caused. A set of concentric zones has been defined, centered on the WTC complex, in order to categorize the levels of property damage and potential levels of loss (see Figure 1).

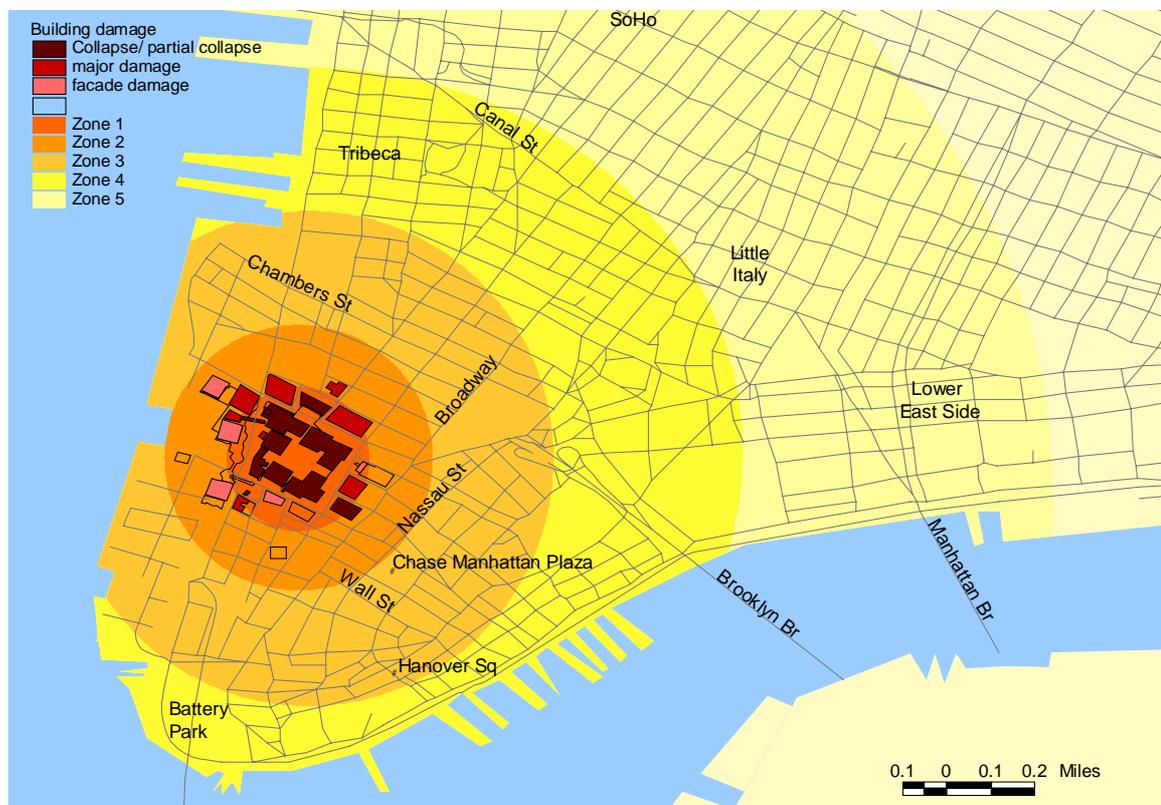


Figure 1. Buildings in the WTC complex and Five Damage Potential Zones

Building heights, commercial and residential square footages, replacement costs, and industry exposure values were then used to estimate potential loss ranges within each zone (see Figure 2). Sources of information for these calculations include: RMS 2000 Industry Exposure Database; Dun and Bradstreet commercial square footage; Marshall & Swift building replacement cost data; and New York City Area Consortium for Earthquake Loss Mitigation, Year Two Technical Report, 1999-2000.

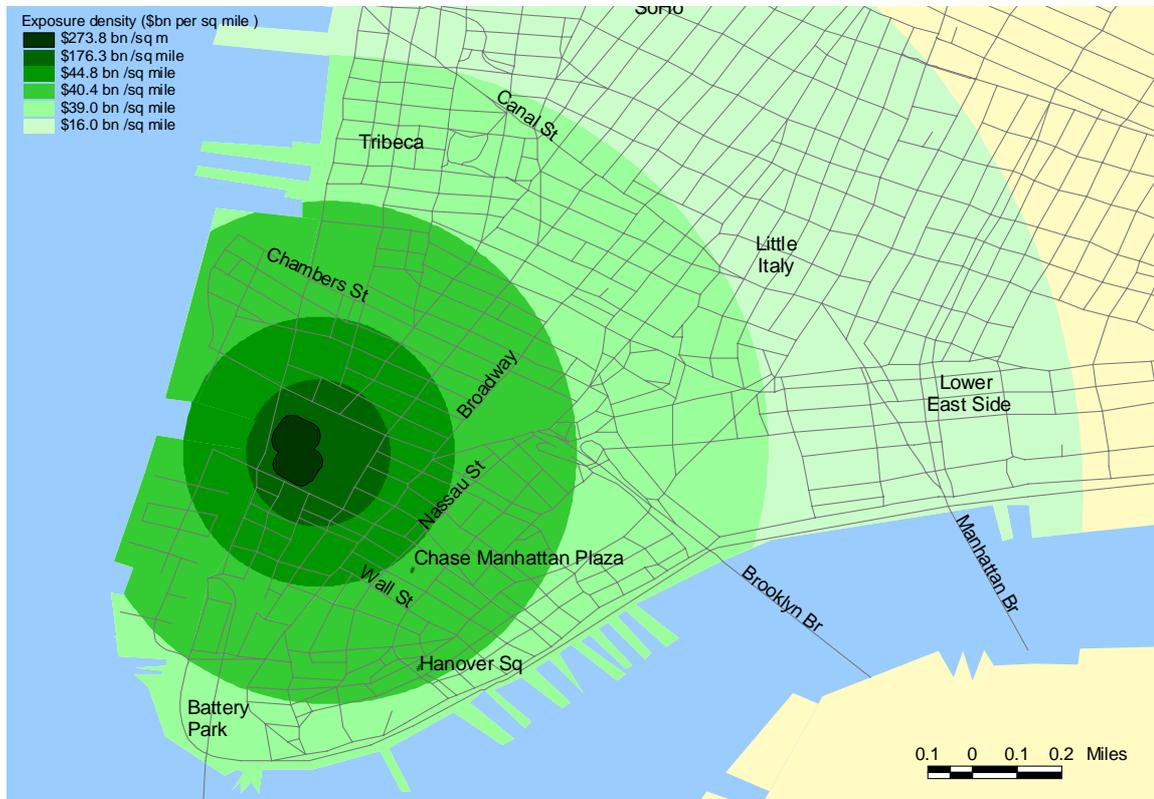


Figure 2. Exposure Density (\$Billion per sq. mi) in Five Damage Potential Zones

Estimates resulting from this analysis are still approximate. As reports become clearer, damage levels for each affected building will be established, and loss estimates can then be refined. There are several (public access) web sites that clients can consult for details on specific buildings within the disaster zone. Two recommended web sites are: www.mrofficespace.com, and www.skyscrapers.com.

Damage Mechanisms

Beyond the collapse of the two main towers, losses in this disaster were caused by five key damage mechanisms.

Fire

Buildings in close proximity to the WTC were vulnerable to fire from the conflagration of the collapsed, burning towers. Given that the fire department was focused on life safety issues on-site, fire fighting in evacuated facilities was minimal. The extent of fire damage to these buildings could be extensive and may have played a role in the collapse or severe structural damage of several of these structures.

Massive Projectile Debris

Massive debris-related damage was caused by falling debris generated as the towers collapsed. This debris includes the bulk of building mass that disintegrated over a footprint 2 to 3 times the radius of each building's base, as well as large steel and concrete beams that, during the implosion of the towers, were ejected well beyond this footprint area. This is likely to be the principal agent of damage for most buildings near the WTC complex.

Airborne Debris

The pancake collapse of the tower floors created a major airborne "debris-surge" laden with all kinds of materials ejected in the collapse. The debris-surge cloud initially spread out at very high speeds of over 50 mph (80 km/hr). It then channeled into the surrounding canyon streets, spreading more than 1/2 mile (800 m) from the WTC site. As in a volcanic eruption, the maximum particle size decreased with distance away from the site. Close in, the airborne debris is up to 2 inches (50 mm). A thin film of dust resulting from the collapse and the ash from the fires was reported as far away as Greenwich Village – 2 miles (3,200 m) from the WTC complex.

Pressure Wave

The rapid collapse of the towers created a pressure wave, similar to very strong wind gusts, that affected buildings near the WTC complex. This wave caused some damage to windows and cladding on buildings within, at most, 650 feet (200 m) of the WTC complex (which is generally within the zone also affected by massive debris damage).

Vibration and Ground Deformation

The WTC complex and surrounding area is built on thick fill over bedrock. Any ground deformation associated with a sudden transfer of load would potentially damage the foundations of non-piled buildings, roads, and underground infrastructure, including pipes and the subway. Reports of gas leaks and road damage are now emerging, probably caused by the collapse of underground structures triggered by the impact of the collapsing towers. There is speculation that the collapses caused ground vibrations sufficient to have damaged some nearby properties. Since there are no confirmed reports of vibrational damage, this analysis assumes that vibrations alone did not cause losses.

Damage Potential Zones and Loss Levels

Considering various reports and potential damage mechanisms, five damage potential zones and their distance from the WTC complex have been estimated. A detailed discussion of the damage mechanisms, potential loss levels, and exposed values in each zone follows.

Zones	Radius from WTC	Exposed Property (\$ millions)	Avg. Loss Levels	Property Loss Potential
1. Collapse & Fire	650 ft (200 m)	\$9,849	50% to 100%	\$7 - \$9.6 billion
2. Massive Debris	1,300 ft (400 m)	\$2,165	10% to 20%	<\$500 million
3. Thick Airborne Debris	0.5 mi (800 m)	\$21,810	1% to 2%	<\$450 million
4. Thin Airborne Debris	1 mi (1,600 m)	\$30,131	<0.5%	<\$150 million
5. Far-Field Impacts	2 mi (3,200 m)	\$21,675	<0.1%	<\$20 million
Totals		\$85,630		\$7 - \$11 billion

Zone 1 - Collapse and Fire

Radius: 650 feet (200 meters)

Zip Code: 10048

Buildings and Boundaries: Includes the World Trade Center, towers 2, 3 and 4 of the World Financial Center, One Liberty Plaza, the Millenium Hotel, 90 West Street

Estimated Building Square Footage: 29.4 million (100% commercial)

Avg. Replacement Cost^v (per sq. ft): ~\$335

Damage Description: Damage caused primarily by building collapse, fire, and massive debris surcharge onto neighboring buildings. Damage may have resulted also from the pressure wave and ground vibration. Fire ignitions are reported in at least 2 neighboring buildings. Each tower has a footprint area of 40,000 square feet (60m x 60m). Both collapses were mainly vertical with relatively minor angles of fall. The south tower collapsed in a southeast direction and the north tower in a northwest direction. Exterior structural damage is evident on buildings near the collapse zone. The majority of building mass from each tower appears to cover an area extending 650 feet (200 meters) from the center of each tower. The radius for large-sized debris extends beyond this footprint, up to 1,300 feet (400 meters) away. Thick dust up to 2 inches (50 mm) within this zone could cause major damage. For example, ash from volcanic eruptions has been known to cause significant property loss by clogging air conditioning and other mechanical and engineering (M&E) plants in highly serviced buildings. Although the total volume of dust produced by the WTC collapses is not necessarily comparable, varying levels of damage across a wide area may result from dust clogging and penetration.

Loss Assumptions: WTC Complex – 100%; Surrounding buildings – 50% to 90%

Zone 2 – Massive Debris

Radius: 1,300 feet (400 meters)

ZIP Codes: 10281, and parts of 10006, 10007, 10005 and 10038

Buildings and Boundaries: Encompasses the area west of Nassau St, north of Rector St, and south of Warren St., and incorporates the rest of the World Financial Center

Estimated Building Square Footage: 6.5 million (80% commercial; 20% residential)

Avg. Replacement Cost (per sq. ft): ~\$330

Damage Description: This zone is beyond the range of fire spread and damage mechanisms are primarily from falling debris, collapse, possible pressure waves resulting from the collapse, and airborne debris. Building damage is characterized by large debris falling on roofs, damaged cladding, and many broken windows. Structural damage is suspected on many buildings in this zone, and engineering surveys are being conducted. The few collapses within this zone may have been caused by the additional loads generated from debris landing on their roofs. Remaining buildings may have suffered serious roof damage as well as structural distress short of collapse. Photographs of the collapses show parabolic plumes of large pieces of debris thrown out by the collapse. There are isolated reports of missiles and debris pieces landing up to 1,600 feet (500m) away. Debris-related projectiles may cause significant damage to cladding and roofs. Dense dust over 1 inch (25 mm) within this zone could cause major damage. There are media reports of buildings whose air conditioning systems cannot restart, due to dust-related damages. Dust penetrates into building interiors, either through broken windows or through air conditioning systems. It can damage sensitive IT equipment, finishes and furnishings of the buildings, which can lead to expensive re-equipping and refurbishing costs.

Loss Assumptions: 10% to 20% loss levels

Zone 3 – Thick Airborne Debris

Radius: 0.5 mile (800 meters)

ZIP Codes: 10280, 10004, 10005, the west part of 10038 and point codes 10279 and 10278

Buildings and Boundaries: Encompasses most of the streets south of Chambers Street, north of Battery Park and west of Water Street; this includes the 9 to 10 block area around the WTC complex, which police cordoned off during the first week, as well as Wall Street

Estimated Building Square Footage: 72.7 million (65% commercial; 35% residential)

Avg. Replacement Cost (per sq. ft): ~\$300

Damage Description: Scattered items of smaller debris and wind-blown missiles could cause damage by falling on roofs and breaking windows. Deep dust of 0.5 inches (10mm) is possible within this zone, resulting in mechanical damage (e.g. clogging to air conditioners) and damage to equipment and finishes. Electrical power outages, lasting at least 5 days, extend into this zone. Media reports also suggest that building damage extends into this zone, although the frequency and severity of the damage will only emerge with full professional surveys.

Loss Assumptions: 1% to 2% loss levels

Zone 4 – Thin Airborne Debris

Radius: 1 mile (1,600 meters)

ZIP Codes: 10013, northern part of 10007 and 10038

Buildings and Boundaries: This area encompasses streets south of Canal St and Catherine St., including the County and U.S. courthouse areas

Estimated Building Square Footage: 103.9 million (65% commercial; 35% residential)

Avg. Replacement Cost (per sq. ft.): ~\$290

Damage Description: Thick dust of 0.25 inches (5mm) is possible within this zone, requiring major clean-up and resulting in mechanical damages as well as damage to equipment and finishes.

Loss Assumptions: <0.5%

Zone 5 – Far-Field Impacts

Radius: 2 miles (3,000 meters)

ZIP Codes: 10012, 10014 and 10002

Buildings and Boundaries: The northern boundary of this area is Washington Square

Estimated Building Square Footage: 85.6 million (65% commercial; 35% residential)

Avg. Replacement Cost (per sq. ft.): ~\$250

Damage Description: Light dust of 0.04 inches (1mm) is possible within this zone, requiring clean-up and possibly resulting in damages to equipment and finishes.

Loss Assumptions: <0.1%

OTHER KEY LOSS COMPONENTS

Contingent Business Interruption

The economic consequences of business interruption in this disaster will be significant, and there are a host of issues to be considered. It is likely that many building owners and tenants in Lower Manhattan had business interruption cover because of the critical nature of their financial operations, as well as the experiences gained from the 1993 WTC bombing. This section considers the causes and potential scope of contingent, or indirect, business interruption, which typically is not an insured loss.

Quantifying the recovery time for such an unprecedented disaster is difficult. Key factors to consider are: 1) the likely duration of infrastructure and service disruptions, and 2) the ability of companies to implement contingency plans and establish alternative facilities quickly. Jones Lang LaSalle, property consultants, estimates that 20 million square feet of office space in Lower Manhattan will be severely affected for some time.^{vi}

One week after the disaster, a large portion of Lower Manhattan was still without power. Electrical power outages across the financial district were reportedly caused by the WTC collapse onto two adjacent substations. A ConEd spokesman said that "the damage is pretty substantial, and we haven't even begun to assess when it will be repaired."^{vii} Telephone service has also been impacted.

Speculation is likely to continue for some time about whether this level of business interruption will result in significant long-term economic impacts on Manhattan's financial sector, as well as the U.S. and international economy. Earthquakes in other industrialized areas, such as California, Japan, and Taiwan, have led to significant business interruption losses and subsequent economic impacts from infrastructure disruption (associated with long repair times).

In the 1994 Northridge Earthquake, public infrastructure repairs (primarily to damaged highways and underground utilities) cost more than \$6 billion of the estimated \$40 billion economic price tag. Total commercial losses are estimated at \$15 billion, of which the insured loss is estimated at \$4 billion and the business interruption costs (largely uninsured) are believed to be more than \$6 billion.^{viii} Similarly, the transportation and economic disruptions associated with the 1995 Kobe, Japan Earthquake were also high, and the long-term impacts on two of Kobe's main business sectors - cargo shipping and synthetic shoe production - were significant. In Taiwan, the insurance industry's \$1 billion loss for the 1999 earthquake came mostly for business interruption and damage to the "chip" manufacturing industry, severely impacted by the island-wide power disruption.^{ix}

While it is still early, there are some small bits of evidence that the impacts, particularly on Manhattan, are not going to be as severe as initially feared. Several major financial institutions affected by this disaster, including Lehman Brothers, Morgan Stanley, Salomon Smith Barney, and Merrill Lynch, have implemented contingency plans and are transitioning operations to alternative sites. Many cite success from the Y2K contingency planning undertaken in the recent past.

On Sunday night, September 16, Richard Grasso, Chairman of the New York Stock Exchange stated: "We have rebuilt the infrastructure to the point where I'm confident that 85 million Americans can be back in the greatest market in the world."^x Power and telephone services were restored to many businesses in Lower Manhattan in anticipation of Monday's market opening.

Casualty

As of Tuesday, September 18, New York City reports 218 confirmed deaths and 5,422 missing people. The numbers of individuals who were able to evacuate before the collapse are far higher than initially believed. Four major components of casualty losses to consider in estimates are: life insurance, accidental death and dismemberment (AD&D) coverage, long-term disability insurance, and worker's compensation.

Life insurance and AD&D coverage for employees are not mandatory benefits; however, employee benefit packages are likely to include all these components. Quantifying an average claim value is difficult since employee benefits vary greatly across companies and for different employees, especially executives. Principal Financial Groups estimates that employer-offered life insurance coverage is often equal to ½ annual earnings.^{xi} Other industry sources estimate standard covers equaling 2 to 2 ½ times annual earnings with maximum limits of \$500,000. The same estimates of 2 to 2 ½ times annual earnings with maximum limits of \$500,000 have also been given for standard AD&D covers. In addition to employee benefits, there will be additional life insurance policies carried by individuals and spouses.

In the Loma Prieta and Northridge earthquakes, insurance payouts for fatalities averaged about \$1 million per person.^{xii} Several industry contacts suggest that this figure is a reasonable starting point for estimating these losses. For the banking and insurance industries, estimates of as much as 5 to 10 times annual salary for life insurance pay-offs have also been given.

New York state law has one of the lowest levels of statutory worker's compensation in the U.S. - with a maximum lifetime benefit of \$400 per week (\$21,000 annually) to the surviving spouse/dependents along with lifetime health care benefits - irrespective of how highly the worker was originally compensated.^{xiii} Maximum limits are not known. Long-term disability benefits may be equal to 50% to 70% of annual earnings with maximum limits.

Aviation and Liability

Liability issues are likely to be significant for this disaster. Aviation policies cover not only the loss of the aircraft but also the bodily injury and property damage caused by the four crashes. Aviation losses will result from both the hull covers and aviation liabilities. There are estimates that the hull cover for the four downed aircraft total \$500 million. In addition, there remains some uncertainty as to the extent of third party aviation liabilities. However, according to Hannover Re, "the limits of coverage of these policies for third party liability are \$1.5 billion per event."^{xiv}

Other third-party liability claims will result from a wide range of circumstances. It is difficult to estimate the total likely amount for these claims. However, it may be instructive to consider the liability claims modeled by RMS for catastrophic earthquakes. For example, RMS estimates general liability losses of \$6 to \$7 billion from a major earthquake impacting the Los Angeles region.^{xv} Liability losses in this disaster may be comparable.

ENDNOTES

ⁱ Insurance Day, September 14, 2001

ⁱⁱ Reactions, September 17, 2001

ⁱⁱⁱ Reuters, September 17, 2001

^{iv} Final Report: Alfred P. Murrah Federal Building Bombing, April 19, 1995, Fire Protection Publications, Oklahoma State University, 1996

^v Average replacement cost estimates are based on Marshall & Swift data, adjusted to account for contents replacement and direct business interruption costs.

^{vi} Financial Times, September 14, 2001

^{vii} New York Times, September 16, 2001

^{viii} Petak, William, et al. 2000. The Northridge, Earthquake and Its Economic and Social Impacts. Conference on Earthquake Risks in Europe, IIASA, Laxenburg, Austria, July 6-9, 2000

^{ix} Event Report: Chi-Chi, Taiwan Earthquake. RMS, 2000

^x CNN, September 17, 2001

^{xi} New York Times, September 13, 2001

^{xii} What If A Major Earthquake Strikes the Los Angeles Area? RMS, September, 1995

^{xiii} New York Times, September 13, 2001

^{xiv} Insurance Day, September 17, 2001

^{xv} What If A Major Earthquake Strikes the Los Angeles Area? RMS, September, 1995

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**But what is the source of such winds that drive debris so far sideways?
What have the eyewitnesses to say?**

IX.

A cautionary remark: Not all the eyewitnesses - unfortunately: the single most important - are friendly to the idea of having the truth come out. Such as: Mark Loizeaux and his demolition team, Larry Silverstein the avowed WTC building 7 bomber, Marvin Pierce Bush the WTC security company director who lifted security in the days before 9-11-1 (see **SUSPECTS** in the alphabetical witness list below).

Further keys: those in the New York city administration who control the damage and clean-up files more closely documenting the “mini-volcano fallout” from the bombs that deep-sixed the 110-floor twin towers on 9-11-1. Another candidate are the caretakers and owners of the Manhattan buildings that were damaged, with their precise fallout and damage descriptions.

As mentioned on page 2 of this article, the New York firemen with their bomb observations have been compromised by their CIA security consultant who passed a gag order down their ranks. As far as they are quoted below their statements were made in the early days on and right after 9-11-1 before the scissors of government censorship stopped their free stream of truth.

Tens of thousands of other eye witnesses in and out of the buildings think:

“We went bananas over your work, Mr. Loizeaux!”

WE being, without limitation, such survivors, helpers and eyewitnesses as:

- ALPHABETICAL WITNESS LIST -

(Despite good efforts, this list must remain incomplete)

Note: In script form, every hyperlink is preceded by the characters <http://>

This character sequence was deleted here for easier reading.

The function of the hyperlinks has been kept.

For Pentagon, see BART, Eric.

Statistics: 141 entries.

ANONYMOUS CAMERAMAN

Who had his camera on a tripod and captured **north tower trembling in its frame instants before it started collapsing,**

www.letsroll911.org/articles/controlleddemolition.html

ANONYMOUS FIREMAN

„I heard what sounded like **explosions and I think it was bombs that took down those towers,** it was all so horrible.”

www.letsroll911.org/articles/controlleddemolition.html

(scroll down)

ANONYMOUS FIREMAN

Video testimonial of **pre-collapse explosion** at 911blimp.net/videos.shtml (scroll down)

ANONYMOUS GROUP OF FIREMEN

Video testimonial of **detonators demolishing WTC,** www.letsroll911.org/articles/controlleddemolition.html

ANONYMOUS GUY FROM WTC2 81st FLOOR, reported by Thomas Beller

Another secondary explosion:

„I was almost out. I got down to the lobby, right near the Border’s book store. **And then there was this explosion.** I don’t know, I just got thrown to the ground and all this stuff fell on top of me.“

www.mrbellersneighborhood.com/sec9/theashenguy

ANONYMOUS HELICOPTER CREW

Their **helicopter was rocked by the explosion blast** from one of the towers,

www.letsroll911.org/articles/controlleddemolition.html

ANONYMOUS, via Corky Adams

initial impact, lobby damage, escape

www.cyberspaceorbit.com/wrdtwrsq.htm

BART, Eric

Analyst of the Pentagon crash, using French intelligence

information. His site now is at

eric-bart.net/iwpb/

Slogan: **It was a plane bomb**

Bart has listed over 60 witnesses for the Pentagon crash, see his **hyperlinked Pentagon Witness List** at

eric-bart.net/iwpb/witness.html

BBC Eyewitness

news.bbc.co.uk/1/hi/world/americas/1537469.stm

Quote:

I heard the bomb and saw both buildings crumble like biscuits.

BEARDEN, Thomas E.

Retired Lieutenant Colonel, U.S. Army, former Pentagon nuclear scientist and weapons analyst, leading authority on scalar weapons and scalar electromagnetics, huge web site <http://www.cheniere.org/>, today in his seventies.

Avoids statements about the deceptive weapons used on 9-11-1 such as false planes and bright flares at the end of building collapses.

GROSSMANN uses three precedents described by Bearden as analogies for the pseudo-UA175 UFO that hit WTC2 (south tower) at or around 9:03 a.m. on 9-11-1, namely:

the Soviet scalar hologram missile that shot down a plane over Gander:

<http://www.cheniere.org/books/gravitobiology/dc8.htm>

the downing of the Space Shuttle „Challenger” by a scalar hologram missile:

<http://www.cheniere.org/books/analysis/history.htm#Challenger>

the downing of TWA800 by one or two scalar hologram missiles:

<http://www.cheniere.org/misc/tw800.htm>

Read the graphic accounts of this exotic hightech to better understand what flew into south tower on 9-11 and who controls such weapons (no Arabs but the Pentagon).

The Pentagon in the 1990s caught up and passed Soviet scalar technology according to inside information.

BEHRENS, Janet

www.gerritsenmemories.com/hist_stor/9-11billmckeon.htm

BIRNBAUM, Jeff

Emergency Medical Technician at the World Trade Center,

Report of the collapse of south tower:

„When we got to about 50 ft from the South Tower, we heard the most eerie sound that you would ever hear. A high-pitched noise and a popping noise made everyone stop. We all looked up. At the point, it all let go. The way I see it, it had to be the rivets. The building let go, there was an explosion and the whole top leaned toward us and started coming down.

„I stood there for a second in total awe, and then said, ‘What the F_____?’ I honestly thought it was Hollywood. There were 20 to 30 fire trucks and hundreds of people in the street. Everything was happening in a split second. Then someone in our group yelled, ‘Run! The only place I had to go was into the parking garage in the World Financial Center.

september11.cenews.com/ar/electric_broadway_electrical_supplies/

BOLLYN, Christopher

Reporter for American Free Press in Berlin, Germany who compiled many facts about the crater in WTC6, the seismic recordings of underground explosions instants before the twin towers collapsed, and the persisting eyewitness testimony of bombs and explosions, including eyewitness testimony observed six blocks away from the World Trade Center of a strong explosion before one of the twin towers fell.

BOYER, Kevin

www.angelfire.com/a14/k_king/kevin_boyer.html

Quote:

The sprinklers were on and they soaked us as we walked through.

Additional Quote:

We walked a little farther, I recognized the area and realized we were only 1 or 2 blocks from my hotel. We stopped to look at the World Trade Center buildings. All of a sudden a loud noise was heard and everyone started screaming and running. My last sight of Kyle is him

running from the area. I thought there were other bombs going off. Dust and debris was hitting everyone. People were running into each other and trying to get away from the debris. You couldn't see anything. I got behind a concrete planter that was maybe ten feet away. Before I got to the planter the dust and debris was on top of me. There were people jumping on top of me and people running into me.

BUELOW, Dr. Andreas von

Former German cabinet minister, member of parliament and supervisor of the German intelligence agencies
Strong indications of a CIA and other intelligence agency participation in the attacks on 9-11-1. He has written a book about this, bestselling in Germany. One of his book's specialties is taking apart the apparent propaganda lies about „cell phone” and „airphone” calls from the allegedly hijacked planes (where no Arab had boarded).

BURNS, Margie

Journalist, researched Marvin Bush and his company connection with the WTC building security.

Appropriate search at <http://www.google.com/>

BUSH, George Herbert Walker „Daddy”

See **SUSPECTS**

BUSH, Jeb

See **SUSPECTS**

BUSH, Marvin Pierce

A brother of George W. Bush. Marvin Bush was the director of Securacom who was responsible the the World Trade Center building security on 9-11-1. On Thursday before 9-11-1, the bomb sniffing dogs were withdrawn. On the weekend before 9-11-1, unidentified technicians swarmed over the twin towers and „rewired” them. This would have been an ideal time without security to plant bombs for a controlled demolition. Margie Burns has written extensively about Marvin Bush (search on the internet). Securacom was a joint operation of the Bush family and the Al Sabah family of Kuwait. Barbara Bush in a book has confirmed that her son Marvin was standing close-by the World Trade Center on 9-11-1 at the time of the attacks, as if to supervise. A cousin of George and Marvin, Jim Pierce, had an office just where the flying object his south

tower. He saved his life and the life of his employees by vacating the tower for a business to hold a business meeting in a nearby other building shortly before the attacks.

www.cloakanddagger.ca/media/Grossmann/Four%20Horsemen/066%20Four%20Riders%20of%209-11%20Apocalypse.htm (read part I)

BUZZELI, Pasquale

34 year old structural engineer, north tower, 22nd floor, survived the collapse and was rescued two hours later from the rubble by firemen,

Quote on his experience:

Then, as he reached the 22nd floor, the building shook, stairs started to heave. It sounded to Buzzelli like heavy objects were being dropped right above his head. The sound got louder, closer. He dove into a corner. „I felt the walls next to me crack and buckle on top of me,” he says. Suddenly, he seemed to be in free fall, and the walls seemed to separate and move away from him.

Maybe two hours later, he regained consciousness on a slab of concrete 180 feet below the 22nd floor. (He may be the source of the rumor that someone surfed the collapse and lived.) He was atop a hill of rubble in the midst of an endless field of rubble, smoke, and fire, sitting as if in an armchair, his feet dangling over the edge. His bag was gone. He felt numb. The air was thick with smoke and dust. **He heard explosions.**

www.newyorkmetro.com/nymetro/news/sept11/2003/n_9189/

CACCHIOLI, Louie,

51, a firefighter assigned to engine 47 in Harlem.

We were the first ones in the second tower after the plane struck. I was taking firefighters up in the elevator to the 24th floor to get in position to evacuate workers. On the last trip up a bomb went off. We think there was bombs set in the building. I had just asked another firefighter to stay with me, which was a good thing because we were trapped inside the elevator and he had the tools to get out.

www.prisonplanet.com/louie_cacchioli.html

CARR, Ginny

Businesswoman, possible British accent

<http://www.sonicmemorial.org/> (search window)

CASALIGGI, Joe,

Heard and recorded the whistling approach sound and multiple explosion noises at WTC1 impact

engine 7 fireman,
Transcript:

You have two 110-story office buildings: you don't find a chair, you don't find a telephone, a computer... the biggest piece of a telephone I found was half a keypad, and it was this big (holds up thumb and forefinger).

The buildings collapsed to dust.

<http://st12.startlogic.com/~xenonpup/collapse%20update/Engine-7.htm>

direct link to video:

<http://st12.startlogic.com/~xenonpup/collapse%20update/collapsed%20to%20dust.mpg>

CLARK, Brian

Above-impact escapee, 84th floor WTC2, Executive Vice President, Euro Brokers

Left side of this page shows a stairway with the individual floor numbers of WTC2 and relevant events from Clark's story.

Quote about the fires:

Stanley said to me, „You know, I think those buildings could go down.” I said, „There is no way. Those are steel structures. That's furniture and paper and carpeting and draperies and things like that that are burning.” But I didn't finish the sentence when Tower Two started to slide down.

Quote about the dust:

We stayed for at least half an hour, I suppose. The ash settled. We went out the east side of that building, which was onto New Street. It was like a winter's day, grey sky. I suppose it was a quarter of an inch of dust and ash everywhere, but it looked like freshly fallen fine snow. We walked in amazement down the street.

www.pbs.org/wgbh/nova/wtc/above.html

The PBS („Petroleum Broadcasting Service”) people left out the following important statements by Clark about the **explosions:**

I was totally surprised. I was in a conversation two to three feet away from a gentleman named Bobby Coll. He had told me that after the first plane hit, he had gone down but with the announcement he had come back up

with Kevin York. **There was sort of like a double noise, like a bang, thump. With the second thump everything just fell apart in our room.**

www.freerepublic.com/focus/news/689589/posts

CLINTON, William Jefferson „Bill”

See **SUSPECTS**

COARD, Dariah

Security Officer, World Trade Center.

She has details on how the twin towers were rigged:

Daria Coard, 37, a guard at Tower One, said the security detail had been working 12-hour shifts for the past two weeks because of numerous phone threats. But on Thursday before 9-11, bomb-sniffing dogs were abruptly removed.

www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story

CORE, Lane Jr.

Escapee, outside, looking back and reporting on

continuing secondary explosions:

There was a massive, black gaping hole in the north side of the WTC 1 around the 94th floor to 104th floor, and a massive section missing, wrapping around the east and north sides of WTC 2 at about the 80th to 90th floors. We were just 20 floors below where that fire was burning, and I thank God we moved when we did. **We still heard the secondary explosions consistently, so I continued to look back at the WTC and noticed that people were jumping out of both towers from above the fire lines!**

weblog.theviewfromthecore.com/2003_09/day_14.html

D’AGOSTINO, Salvatore, and two other NY firemen

Report of hurricane-like winds and huge explosions from the collapsing floors:

SALVATORE D’AGOSTINO, NEW YORK FIRE DEPARTMENT: You could hear the floors pancaking one on top of the other, huge explosions.

LIM: Boom, boom, boom, boom, boom, and faster as they get closer. What I remember the most was the wind. It created almost like a hurricane-type force and actually pushed one of the firemen right by me.

MIKE MELDRUM, NEW YORK FIRE

DEPARTMENT: I was flown down a flight of stairs, a little groggy for a while. I noticed somebody on a half landing just up from me, a few stairs and I thought it

was one of our guys and it was David Lim.

www.cnn.com/TRANSCRIPTS/0209/07/pitn.00.html

DAWSON, Pat

NBC TV reporter

Interviewed NYFD security chief Albert Turi about secondary explosions and bombs on 9-11-1

www.prisonplanet.tv/articles/may2004/050504bombsinwtc.htm

TRANSCRIPT OF DAWSON'S REPORT ON 9-11:

„Shortly after 9 o'clock [...] [Albert Turi the Chief of Safety for the New York Fire Department] received word of the possibility of a secondary device, that is another bomb going off. He tried to get his men out as quickly as he could, but he said there was another explosion which took place, and then an hour after the first hit, the first crash that took place, he said there was another explosion that took place in one of the towers here, so obviously according to his theory he thinks that there were actually devices that were planted in the building. One of the secondary devices he thinks that took place after the initial impact he thinks may have been on the plane that crashed into one of the towers. The second device, he thinks, he speculates, was probably planted in the building.“

www.whatreallyhappened.com/eyewitness.html

DAY, Christopher

lists.econ.utah.edu/pipermail/rad-green/2001-September/000298.html

Quote re WTC1:

Moments later, I heard an enormous roar **and felt the ground shaking**. I looked up to the tower, and saw what looked like an umbrella being opened up--like a starburst at the fireworks. I was directly underneath it, and I could see girders shooting out from the building. I immediately began to run southwest, towards a building that had some sort of opening. I already felt rocks landing on my back and helmet, and there were girders falling right near me. I made it perhaps thirty feet before being knocked off my feet. I went about ten feet through the air, and landed rolling on a set of steps. My helmet was gone, my phone, my stethoscope...

DE GRAND-PRE, Donn

Retired Colonel of the U.S. Army, former Pentagon

weapons dealer, author of three books on 9-11; was interviewed by Alex Jones as to the switching of the planes, their sinking in the Atlantic and shooting down of flight 93, military standdown and other issues, www.prisonplanet.com/022904degrandpre.html with alleged information coming from the Joint Chiefs of Staff.

DELBIANCO, Arti

See PECORARO, Mike

DEWDNEY, Kee

Well-known Canadian mathematician, computer scientist and biologist; analyst of 9-11. He has analyzed the probable switching of planes in mid-flight („Operation Pearl”), the missing wings at the Pentagon (with J. Longspaugh), and has falsified the alleged cell phone calls from hijacked planes („Project Achilles”), physics911.org/net/modules/news/article.php?storyid=2 (Operation Pearl) physics911.org/net/modules/news/article.php?storyid=3 (Missing Wings at Pentagon) physics911.org/net/modules/news/article.php?storyid=6 (cell phone calls)

DiFRANCESCO, Ronald

Hospitalized victim of the bomb blast.

„As he left the building, (Ronald DiFrancesco) saw a fireball rolling toward him. He put his arms in front of his face. He woke up three days later at St. Vincent’s hospital. His arms were burned. Some bones were broken. His lungs were singed. But he was alive – the last person out of the south tower.”

www.letsroll911.org/articles/controlleddemolition.html, with link to USA Today, www.usatoday.com/news/sept11/2001/12/19/usat-escape.htm

EAGAN, Michael

<http://www.nytimes.com/2001/12/06/national/portraits/POG-06EGAN.html?ex=1089432000&en=659354cc6049e041&ei=5070>

EAGAR, Dr. Thomas (engineer)

www.pbs.org/wgbh/nova/wtc/collapse.html

Eagar explains that steel highrises are built around redundancy principles and that accordingly the

collapses cannot be explained.

Quote:

If one component breaks, the whole thing will not come crashing down.

(...)

Some people were concerned the building would fall down. The structural engineers knew it wouldn't, because the whole thing had an egg-crate-like construction. Or you can think of it as a net. If you lose one string on a net, yes, the net is weakened but the rest of the net still works.

That's essentially how the World Trade Center absorbed an airplane coming into it. It was somewhat like the way a net absorbs a baseball being thrown against it. If you lose a couple of the columns, that's not the end of the world. It will still stand up.

EVANS, Stephen

BBC TV reporter.

Evans was inside the twin towers at the time of first (8:46 a.m.) impact and reported „two or three similar huge explosions”

news.bbc.co.uk/1/hi/world/americas/1537785.stm (scroll down to the time ”0929 EDT” for video clip).

Evans further reported:

„... then when we were outside, the second explosion happened and then there was a series of explosions.”

www.911dossier.co.uk/hj03.html

FAIRBANKS, Evan

ABC TV cameraman

Took spectacular video shots of WTC2 impact, showing strange non-collisional entry mode of the pseudo-UA175 UFO. He also has given at least one in-depth interview stating his views openly.

www.tvtechnology.com/features/Big-picture/f-fb-vid.shtml (in section „New Media”)

<http://www.thewebfairy.com/> feature page with NY Times article on Evan Fairbanks, cashed in my e-book for download at <http://www.gallerize.com/> „T MINUS 9-11”

www.plaguepuppy.net/public_html/video%20archive/
(videos with WTC2 crash footage [ABC], WTC2 collapse
footage [ABC] and interview)

FARLEY, Matthew

www.law.com/jsp/statearchive.jsp?type=Article&oldid=ZZZ7UHW36TC (functioned as the hub for his law
firm's e-mail emergency correspondence)

FERTIG, Beth

WNYC radio reporter

<http://www.sonicmemorial.org/> (search window)

Covered live the collapse of the twin towers

FIREFIGHTERS MAIN PAGE

Data page of the New York Times from detailed
interviews with firemen (after the CIA censorship, see
JONES and LAVELLO, was implemented),

www.nytimes.com/indexes/2002/07/06/nyregion/nyregionspecial/text/index.html

This includes only the higher levels and not the foot
workers. Regarding Albert Turi, see exemplary
comments on page 2 of this article.

FORBES, Scott

Senior Database Administrator, Fiduciary Trust.

He has details on how the twin towers were rigged:

Did the World Trade Center towers undergo a deliberate „power-down” on the weekend prior to the 9-11 terrorist attacks? According to Scott Forbes, a senior database administrator for Fiduciary Trust, Inc. – a high-net investment bank which was later acquired by Franklin Templeton – this is precisely what took place. Forbes, who was hired by Fiduciary in 1999 and is now stationed at a U.K. branch office, was working on the weekend of September 8-9, 2001, and said that his company was given three weeks advance notice that New York's Port Authority would take out power in the South Tower from the 48th floor up. The reason: the Port Authority was performing a cabling upgrade to increase the WTC's computer bandwidth.

Forbes stated that Fiduciary Trust was one of the WTC's first occupants after it was erected, and that a „power-down” had never been initiated prior to this occasion. He also stated that his company put forth a

huge investment in time and resources to take down their computer systems due to the deliberate power outage. This process, Forbes recalled, began early Saturday morning (September 8th) and continued until mid-Sunday afternoon (September 9th) – approximately 30 hours. As a result of having its electricity cut, the WTC’s security cameras were rendered inoperative, as were its I.D. systems, and elevators to the upper floors.

Forbes did stress, though, that there was power to the WTC’s lower floors, and that there were plenty of engineers going in-and-out of the WTC who had free access throughout the building due to its security system being knocked out. In an e-mail to journalist John Kaminski, author of *The Day America Died* (Sisyphus Press) and *America’s Autopsy Report* (Dandelion Books), Forbes wrote: „Without power there were no security cameras, no security locks on doors, and many, many ‘engineers’ coming in and out of the tower.”

Forbes didn’t think much of these occurrences at the time, and said that he worked until Monday morning (September 10th) to get all the computer systems back online. Due to his IT-related duties on Saturday & Sunday, Forbes had Tuesday, September 11th off, and thus watched the World Trade Center towers collapse from his apartment. While doing so, he recalled, „I was convinced immediately that something was happening related to the weekend work.”

In addition, Forbes says there were other peculiarities revolving around this unreported event, including:

1) Fiduciary employees trapped between the 90-97th floors of the South Tower told family members (via cell-phone calls) that they were hearing „**bomb-like explosions**” throughout

the towers.

2) Video cameras positioned atop the World Trade Center which were used to feed daily images to local television stations were inexplicably inoperative that morning.

3) A Fiduciary employee who was on one of the lower floors and escaped immediately after the first (North) tower was struck, reported that he was amazed by the large number of FBI agents that were already on the streets surrounding the WTC complex only minutes after the initial strike.

4) Last but not least, Ann Tatlock, CEO of Fiduciary Trust and now a board member of Franklin Templeton, had just arrived at a conference hosted by Warren Buffet at the Offutt Air Force Base (home of the U.S. Strategic Command Headquarters in Omaha, Nebraska) when the 9-11 attacks took place. Coincidentally, later that day President George W. Bush flew into this very same base on Air Force One for „security reasons.” Even more chilling are the Offutt AFB ties to the CIA’s MK ULTRA experiments, Project Monarch, the Franklin Cover-Up, and the diabolical practices of Michael Aquino. (Type any of these words into a search engine for more information.)

In the end, Forbes says that even though these disclosures could jeopardize his current employment, he has stepped forward because, „I have mailed this information to many people, including the 9/11 Commission, but no one seems to be registering these facts.”

sf.indymedia.org/news/2004/04/1691636_comment.php
Memo: ALSO SEE BUSH, MARVIN

FORSTER, Stacy

www.poynter.org/content/content_view.asp?id=6395&sid=44

Quote:

Someone pointed out a four-footwide airplane tire that had crashed on a corner several blocks south of the Trade Center. It leaned to one side looking as if it had always been there. I ran my fingers over the Goodyear logo on the side and thought how it could have easily crushed someone waiting for the „Walk“ sign.

Note: This tire is pictured in the FEMA report. I discuss it as fake, hand-placed evidence in my book T MINUS 9-11 (at <http://www.gallerize.com/>) due to its fresh and good conservation after the huge explosion fireball. Here, the witness actually could still touch the Goodyear logo, clearly showing that the rubber was never in anything near a hot fire!!

FOURNIER, Ron

Associated Press writer,

Quote re. Pentagon:

The nerve center of the nation's military burst into flames and a portion of one side of the five-sided structure collapsed when the plane struck in midmorning. Secondary explosions were reported in the aftermath of the attack and great billows of smoke drifted skyward toward the Potomac River and the city beyond.

www.firehouse.com/terrorist/11_APdc.html

FRANK, David

americastandstall.org/stories/davidfrank.html

Quote re. WTC1:

As we got into the low 40's the jet fuel got much more intense to the point where I thought we might pass out. People were clearly suffering the intense fumes and others were clearly beginning to panic. Roselle was not doing well panting heavily and we all needed water. Some people began passing small Poland Spring water bottles up to us from the floor below. This was a real relief. Roselle loved it. It cut some of the fuel taste burning our throats. It eased our sense of dehydration and smoke inhalation. Besides, it was wet. I opened the door to the 40's floor and we momentarily stood in the doorway. I looked and saw no one on the floor. Smoke, and the smell of more jet fuel. We kept to the stairway.

FREDERICK, Susan

americastandstall.org/stories/susanfrederick.html

FUERTH, Leon

See **SUSPECTS**

GITLIN, Andrew

See **SUSPECTS**

GOLDING, Steve

www.coping.org/911/memory/golding.htm

Quote:

I saw the second plane coming. It never dawned on me he was going the wrong way. I thought to myself that he was flying too low and wondered why. Then he turned into the second tower. He made his wings go one way and then the other. He went through it. The nose stuck through the other side for a nanosecond before you saw the biggest explosion that you would ever see. You instantly knew you were under attack. This was no accident. This was no dimwit. This was inhuman. You were in total denial. It was not happening. I was home, asleep, and having some sick dream.

Further Quote:

The South Tower, the second one hit, came down. I just stood there for a minute, an hour, a day. My mind was saying get the hell out of there, but my mind wasn't communicating with the rest of me. It was like a movie. A bad one at that. It looked like the whole top of the building slid a little and then someone turned on a faucet and debris started pouring out of it as it slowly disappeared.

Plumes of smoke/debris were coming at me. Huge. Never saw anything like it. I took off. I went down one road and there was that plume coming straight for me, I turned and went another way but it was still coming at me. From all ends. I must've turned down a small alley-like-road where the buildings stood end-to-end because no matter what door I tried to seek shelter, it was locked. The Plume was overtaking me.

There was an older lady screaming in the middle of this

alley/street and the monster was about to get her. I grabbed her and shoved her to the back end of a DHL van that was parked. I threw my suit jacket over her head. „Lady, we’re gonna be alright. Take 3 deep breaths and hold it.“ I curled up by the Van. The debris hit.

It was humid, sticky, hot. It was white-grey-black in less time than it takes to read this line. I was holding my breath but I hadn’t closed my eyes. They felt like fine grade steel wool, 0000 strength were in them. I couldn’t see. I had my hands out but couldn’t see them. I must’ve looked like I was imitating Helen Keller. I couldn’t hold my breath anymore. I let it out and gasped for breath. My mouth was immediately filled with the foulest tasting stuff you couldn’t ever imagine. For the moment I couldn’t breath. I threw up. Cleared my mouth and took another breath. I threw up again and then pulled my shirt over my face and then breathed. I thought I was going to have a heart attack. Or suffocate. For a long while I just leaned there, trying to regain some composure.

I kept blinking my eyes. My vision was blurred but I started to be able to see through the darkness and I felt my way around. The lady was gone. So was my jacket. I laughed. It was a new suit. Oh well. maybe it helped her live. I hope so.

GOULD, Anthony

[news.bbc.co.uk/1/hi/uk/1542382.stm](https://www.bbc.com/news/uk-1542382)

Quote:

He said: „I was sitting in my office on the 95th floor doing my work at about 8.45am when I heard one of my colleagues scream out ‘Look out!’ - the kind of thing you might say if you saw a lorry coming towards you.

„I looked up just in time to see the explosion on tower one, which seemed like it was a few floors below my level.

GRABLE, Rosalee

American video analyst, describes strange pseudo-UA175 UFO entry into south tower, explosions and censorship mechanisms of the media. Pen name: Webfairy

GREENBERG, Maurice Raymond „Hank”

See **SUSPECTS**

GROSSMANN, Stefan

German analyst, describes strange lights of pseudo-UA175 UFO entering into south tower, explosions and censorship mechanisms of the media

- Second field of observation are his personal experiences building his internet publication project Gallerize.com since April 1999 to publish an ultra-corrupt terror cell within the Clinton administration and its apparent links to the inside job of 9-11-1.

- Third observation is correspondence with German company CONVAR who restored over 400 computer hard drives completely from the wreckage of the WTC. Has researched that over about 500 degrees Fahrenheit the computer hard drives would have been non-restorable and that this evidences that there were no raging fire infernos that could have weakened steel, contrary to the government’s ludicrous „truss theory”.

- Fourth observation: Oral information from Pratt & Whitney about Carmen TAYLOR photo (see TAYLOR)

- Fifth field: Grossmann has used information from BEARDEN and WOOD and other sources to interpolate the existence of hologram missile technology that functioned such as the pseudo-UA175 UFO functioned that hit south tower without colliding with its steel walls (details in book below and update articles on the radio site, <http://www.cloakanddagger.ca/>).

Author of largest existing 9-11 documentary, „T MINUS 9-11, An Insiders’ Attack On America”, download at <http://www.gallerize.com/>, largest single segment free at

www.plaguepuppy.net/public_html/video%20archive/

Pen name: Akanthus (Greek: „Thistle”, but also symbol of the Beautiful in art and Creation)

HALASY, Don

On-site photographer, over-rolled by the warm bomb blast wind.

„As I turned to run, a wall of warm air came barrelling toward me. I tried to outrace it, but it swept me up and literally blew me into the wall of a building. By the time I regained my footing, a hailstorm of debris was falling from the sky.”

www.letsroll911.org/articles/controleddemolition.html,

with link to

fotophile.com/news0009.html

(Notice how the „hailstorm of debris” fell from the sky moments AFTER Halasay was thrown to the ground.

This is a crucial detail!)

HANDSCHUH, David

On-site photographer, over-rolled by the warm bomb blast wind.

„Instinctively I lifted the camera up, and something took over that probably saved my life. And that was to run rather than take pictures. I got down to the end of the block and turned the corner when a wave – a hot, solid, black wave of heat threw me down the block. It literally picked me up off my feet, and I wound up about a block away.”

www.letsroll911.org/articles/controleddemolition.html,

with link to

fotophile.com/news0009.html

Comment on the source page:

„What each of these witnesses are describing is known as the ‘shockwave effect’. When an explosion goes off, extremely high temperatures are generated in a small amount of time and space. This abrupt shift in temperature causes the air to push outwards with violent force, seeking to stabilize itself. The result is a blast of hot air radiating in all directions.”

-- In other words, the winds of 9-11!

HATFIELD, Larry

San Francisco Chronicle reporter,

Quote on debris:

Debris from the explosions was filling the air as far away as Brooklyn.

sfgate.com/today/terror.shtml

HENEGHAN, Tom

From Venice, California.

Insider of the Al Gore executive intelligence network, provider of specific oral inside information, including bank information gained with PROMIS software, incriminating the Bush-Clinton crime syndicate for 9-11,

<http://www.cloakanddagger.ca/> (check the member’s archives)

HESS, Michael

Corporation counsel of the New York city administration. He was with Berry Jennings at the time the lobby of WTC7 exploded (see JENNINGS, Berry witness account),

www.poconorecord.com/report/wtc/1.htm

HINGSON, Michael

www.truthorfiction.com/rumors/m/michaelhingson.htm

HOFFMAN, Jim

Analyst of the 9-11-1 explosion dust clouds,

physics911.org/net/modules/news/article.php?storyid=12

HOLMGREN, Gerard

Scientific analyst of the Pentagon attack of 9-11,

physics911.org/net/modules/news/article.php?storyid=13

(older versions at <http://www.serendipity.li/>)

HUDON, Jean

Earth Rainbow Network Coordinator, reporter.

A careful news watcher (eyewitness to this news):

„I've been mostly watching the one local NYC station still operating (the other local stations all had their antennas on top of the WTC), and one thing I noticed that has been mentioned by survivors or rescue personnel who have been interviewed is the fact that all of them have mentioned secondary explosions occurring at the bottom level of the Towers after the planes struck. One rescue personnel person actually stated that vans with explosives had been parked in the lower parking level and rigged to go off after the planes struck.”

www.earthrainbownetwork.com/CrisisAmerica4.htm

The local news station was likely WCBS-TV.

HUFSCHMID, Eric

Author of „Time For Painful Questions”,

www.erichufschmid.net/PainfulQuestionsBook.html

JENNINGS, Berry

Age 46 on 9-11-1, Housing authority worker, reported in to the command center on 23rd floor of WTC building 7 on 9-11-1.

Note: WTC building 7 was evacuated at around 9:00 a.m. on 9-11-1 (while the tower 2 occupants were being told to return to their desks),

911research.wtc7.net/wtc/attack/wtc7.html

Thus, Barry Jennings' observation of „another explosion” that devastated the lobby of building was occurred after the 8:46 a.m. initial explosion (impact of the flying object into north wall of north tower) and the evacuation of building 7 around 9:00 a.m.

Berry Jennings was with Michael Hess, the city's corporation counsel, when they felt and heard another explosion. **First calling for help, they scrambled downstairs to the lobby of building 7, or what was left of it. „I looked around, the lobby was gone. It looked like hell,” Jennings said,**

www.poconorecord.com/report/wtc/1.htm

JERRY (Survivor in the Marriott hotel, WTC3)

911digitalarchive.org/stories/details/903

JIMENO, Will

Policeman and bowhunter.

Quote:

When the rescue team reached an area directly in front of Tower Two, Antonio said he'd take over the equipment cart Will had pushed from Building 5.

Turning left into a corridor leading across to Tower One, the men encountered a paramedic who asked if he should join them. „Sarge said no, that he should hook up with some other police or fire team. We were going up alone.“

The team moved ahead. Scant minutes passed.

Suddenly the hallway began to shudder as a terrible deafening roar swept over them. **That's when Will saw the giant fireball explode in the street. That's when Sarge shouted, „Run! Run to the left!“**

Seconds later the team's entire world began to crumble. It was precisely 9:59 a.m. The Trade Center's South Tower had just collapsed.

www.bowhunter.com/feature_articles/BN_FromTheRubble/

JONES, Alex

Texas radio and TV journalist, published the fact that the New York Fire Department was given a former head of the CIA as a security consultant who passed a gag order down the ranks in order to silence the firemen's observations of bombs and secondary explosions at the World Trade Center on 9-11-1, many fundamental reports

and several videos on 9-11

www.prisonplanet.com/analysis_lavello_050503_bombs.html (article by Randy LAVELLO published by Alex JONES).

<http://www.prisonplanet.com/>

<http://www.infowars.com/>

JONES, Geronimo

Neighborhood resident.

Quote on pre-collapse explosions:

It was a picture perfect day in September. I was watering some plants on my terrace and enjoying the unseasonably warm weather when I heard the sound of a plane flying low. Within seconds I watched in horror as the unthinkable unfolded, right in my backyard!

The shock was overwhelming. My first thoughts was that it was a terrorist attack. This was confirmed by the news reports of Al Qaeda. But one thing the reporters left out was something I witnessed first hand. A very important omission at that!

Seconds before the South Tower crumbled to its doom, I heard/felt a series of explosions. Same with the North Tower. There was no denying it, I could FEEL the vibrations of them like a small earthquake. Yet when I turned on the news none of the other eyewitnesses commented on this.

Indeed, in the days that followed, like many Americans, I remained glued to the news networks to keep myself informed of any developments and confirm what I had witnessed. But despite the numerous eyewitness accounts, there was still no mention of the explosions.

www.letsroll911.org/articles/controlleddemolition.html

JONES, Hemina

Allegedly, the authorities had no idea that the World Trade Center might be attacked by planes. This security persons knows:

Security guard Hermina Jones said officials had recently taken steps to secure the towers against aerial attacks by installing bulletproof windows and fireproof doors in the 22nd-floor computer command center.

<http://www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story>

KEITH, Steve

www.angelfire.com/al4/k_king/Steve_Keith.html

KIM, Won-Young

Seismologist, for the following statement:

One of the seismologists, Won-Young Kim, told AFP that the Palisades seismographs register daily underground explosions from a quarry 20 miles away. These blasts are caused by 80,000 lbs. of ammonium nitrate and cause local earthquakes between Magnitude 1 and 2. Kim said the 1993 truck-bomb at the WTC did not register on the seismographs because it was „not coupled” to the ground.

www.serendipity.li/wot/bollyn2.htm (article by Christopher BOLLYN)

KING, Jeff

American video analyst, describes strange pseudo-UA175 UFO entry into south tower, explosions and censorship mechanisms of the media. Pen name: Plaguepuppy

KING, Kim

www.angelfire.com/a14/k_king/mystory.html

Quote re. WTC1:

After the plane collided with Tower One, it then exploded. The explosion seemed to have come about 10 seconds after impact. However, things were in slow motion and my mind was now in overdrive. I’m sure the explosion happened right after impact. The explosion was massive it only magnified the rumbling, swaying and shaking of the Tower, things began falling off my desk. It honestly felt like the floor fell at least a foot. I thought the building was collapsing right then and there. Parts of the ceiling were truly falling to the floor. I was still standing at this point and I looked out the window and I saw gigantic white chunks of debris falling to the ground from up above. I didn’t know what it was and my mind couldn’t even register what I was seeing. I was completely in shock and extremely frightened.

[Note: The explosion delay of the second explosion by nine seconds is exactly what is to be heard on the tape by Ginny CARR.]

Further Quote:

Shortly after Tower One was attacked, Tower Two was attacked. Another plane had collided with Tower Two. We felt the impact of the attack on Tower Two in Tower

One. In Tower One, the lights in the stairway started to flicker off and on, the Tower again shuddered, rumbled, and swayed from side to side.

KIRKHAM, Michael

Getronics employee attending a meeting for an INS FOS/HM contract in Federal Building seven blocks away from the World Trade Center on the morning of 9-11-1.

”At around 9:50 AM, Michael and his colleague were only a block and a half a way from the WTC, when there was an ominous rumbling that grew into a roar, shaking the ground ‘like a thousand trains.’ It took them a moment to realize that the South Tower was starting to fall. They turned on their heels to run for their lives.”
backroadsofvermont.freesevers.com/stranded.html

KISSINGER, Henry

See **SUSPECTS**

LABRIOLA, John

web.archive.org/web/20021012110725/http://www.magnificentlives.com/john-labriola.htm

LAVELLO, Randy

Author of the article on Robert Woolsey as security consultant to the New York Fire Department passing a gag order against the truth of 9-11-1, published by Alex JONES at
www.prisonplanet.com/analysis_lavello_050503_bombs.html

LAY, Thorne

Seismologist at University of California at Santa Cruz, for the following statement:

A „sharp spike of short duration” is how seismologist Thorne Lay of Univ. of California at Santa Cruz told AFP an underground nuclear explosion appears on a seismograph.

www.serendipity.li/wot/bollyn2.htm (article by Christopher BOLLYN)

LERNER-LAM, Arthur

Seismologist at Palisades seismic station that registered the seismic impacts of the initial hits and the collapses of the buildings of the World Trade Center on 9-11-1, for the following statements:

Lerner-Lam told AFP that a 10-fold increase in wave amplitude indicates a 100-fold increase in energy

released. These „short-period surface waves,” reflect „the interaction between the ground and the building foundation,” according to a report from Columbia Earth Institute.

”The seismic effects of the collapses are comparable to the explosions at a gasoline tank farm near Newark on January 7, 1983,” the Palisades Seismology Group reported on Sept. 14, 2001.

Experts cannot explain why the seismic waves peaked before the towers hit the ground. Asked about these spikes seismologist Arthur Lerner-Lam, director of Columbia University’s Center for Hazards and Risk Research told AFP, „This is an element of current research and discussion. It is still being investigated.”
www.serendipity.li/wot/bollyn2.htm (article by Christopher BOLLYN)

LEVINE, Eric

32 years, Morgan Stanley, WTC2, 64th floor.

Felt south tower impact while evacuating, on 51st or 50th floor. Felt like floor was giving away and building was sinking. Pandemonium. Began to smell jet fuel around 25th floor, strong odor, hard to breathe. Breathing unbearable by 15th floor due to smoke entering stairwell.

Quote on multiple explosions:

„It was 11 minutes later, and I had gone down about 7 or 8 flights of stairs, when the second plane hit our building.

„I could hear an explosion and people started flying everywhere. It was like a bad ride on Disneyworld.

„A woman fell against me and I went down a flight of stairs. I could hear more explosions and screaming.”

news.bbc.co.uk/1/hi/in_depth/americas/2001/nyc_out_of_the_ashes/1704397.stm

LIM, David Waymond

http://www.geocities.com/nine_eleven_ark/davidlim.htm

Quote, seen from WTC1:

I made it to the 44th floor skylobby and while I directed people to the stairway, I saw the 2nd plane strike the South Tower. I was knocked off my feet by the concussion. I quickly gathered the remaining people and the firemen, and headed back down the stairs. On

the way we encountered some elderly & physically handicapped persons.

LIM, David

See D'AGOSTINO, Salvatore

LUND, Brent

Danish bomb expert, confirmation of recanted Van Romero expert testimony that the collapse of the twin towers was a controlled demolition.

LUONGO, James

Inspector, New York police department, later head of the clean-up efforts at Fresh Kills, <http://www.sonicmemorial.org/> (search window) Live testimonial of tower collapse

MacWADE, Brendan

news.bbc.co.uk/1/hi/english/static/in_depth/americas/2001/day_of_terror/eyewitness/2.stm

Quote:

Beginning on the 5th floor, water was running down the stairs. The water from the sprinklers was finally getting to us. By this point, there were very few people on the stairs. Many had taken detours.

Further quote:

Out in the plaza between the two towers, there was flaming, metal debris and dozens of dead pigeons. The fountain and sculpture between the two towers was crushed by debris. And everything was covered in dust and paper. This was unlike anything I've ever seen. The heat from the flaming debris was intense. It was blurring the landscape outside.

Note: sounds like Napalm to me!

Further Quote:

We walked to the corner of Fulton and Broadway, and I saw something horrible. I recognized a piece of a jet airliner's front landing gear. It was on the street, underneath what looked like a large pool of blood. There was so much blood on the street.

Note: Plane parts were apparently deliberately placed around the crime scene as fake evidence, such as a likely part of a Pratt & Whitney JT9D turbofan from the non-United Airlines UA 175, fallen from hundred of feet height on the sidewalk without damaging it. Details see in my book T MINUS 9-11

(<http://www.gallerize.com/>). Here the question arises,

where did a single pool of blood come from at such distance from the WTC??

Further Quote:

Everything shook. The Brooklyn Bridge shook.

Note: sounds like a huge earthquake to me.

MAYBLUM, Adam

www.coping.org/911/survivor/price.htm

McCUNE, Marianne

WNYC radio reporter

<http://www.sonicmemorial.org/> (search window)

Covered live the collapse of the twin towers

McMAHON, Jim

www.cbc.ca/news/indepth/usattacked/diary_mcmahon.htm Quote: I wasn't able to finish my thought. Just

then the South Tower, my building, exploded with a deafening boom that rattled me, and sent me reeling. Bright orange flames 10 storeys high shot up and out

from the building along with billowing black smoke. It was an explosion so big, that it appeared to cut the

tower in two, and the debris from the blown-out floors as well as the top portion that had been cut off appeared to be falling in my direction.

The crowd, which had been quietly watching the fire, now found itself in the path of an exploding skyscraper. There was instant panic. Screams and shrieks of terror rose from the crowd. In unison, everyone turned to run, pushing the person in front of them in a desperate attempt to escape.

McMILLAN, Genelle Guzman

Last survivor to be rescued from the WTC rubble.

Quotation:

McMillan heard a rumble. „A big explosion,“ she now calls it.

„The wall I was facing just opened up, and it threw me on the other side,“ she says.

McMillan looked for Gonzalez.

„I was still holding Rosa's hand,“ McMillan says. „But she pulled away.“

McMillan remembers Gonzalez trying to climb the stairs.

„I got up,“ McMillan says. „And I tried to go behind her. That’s when the rubble just kept coming down.“

She never saw Rosa Gonzalez again.

„Everything just kept coming harder and harder,“ McMillan says. „I just kept my head down. I don’t know how I ended up the way I was. I don’t know how I landed.“

It was complete darkness.

She heard a man’s voice.

„Help. Help. Help,“ she remembers him calling.

Then silence.

Then the building shook again. More debris fell.

„I thought I was really going to go down,“ McMillan recalls. „But I didn’t.“

Then the shaking stopped and the silence began.

„I couldn’t do anything,“ McMillan remembers. „I couldn’t move. I couldn’t get the rubble off. Everything was just heavy. I couldn’t see a thing. There was nothing else for me to do.“

She believes she fell asleep.

www.azcentral.com/news/sept11/sept11survivor.html

McNALLY, Edmund

South tower, 98th floor, Fiduciary Trust, victim.

His widow reports:

But I got another phone call from him. He called me back to tell me that he felt silly because he had just booked a trip to go to Rome. He said, „Liz, you have to cancel that. You have to take care of that.”

At that point, I said, „Ed, you’re getting out of there.” I said the firemen are coming up to get you. I said you are a problem solver. You’re going to get out of there.

That’s when he said to me, „Liz, this was a terrorist attack. I can hear explosions below me.” He said stuff about the data center. That’s why I think he was on the 97th floor, because the data center was on the 97th floor. Then he said the floor was buckled. And he said it was getting really hot and hard to breath.

www.freerepublic.com/focus/news/689589/posts

(scroll down)

MELDRUM, Mike

See D’AGOSTINO, Salvatore

MELVANG, Henrik

Danish video analyst, describes explosions, explosion sounds and censorship mechanisms of the media

www.bombsinsidewtc.dk/ but not

<http://www.terrorize.dk/> (anonymous researcher).

MORELLI, Phillip



Construction worker in the WTC Phillip Morelli (37 years old on 9-11-1) describes being thrown to the ground by two explosions while in the fourth subbasement of the North Tower. The first, which threw him to the ground and seemed to coincide with the plane crash, was followed by a larger blast that again threw him to the ground and this time blew out walls. He then made his way to the South Tower and was in the subbasement there when the second plane hit, again associated with a powerful underground blast. This is one of a series of interviews with WTC survivors done by NY1 News:

ny1.com/pages/RRR/911special_survivors.html

(source:

st12.startlogic.com/~xenonpup/underground/underground_explosions.htm)

Direct link to the Morelli video:

st12.startlogic.com/~xenonpup/underground/RMmorelli00028467_020908_194213hi.rm (downloadable)

Streaming video of the same video at

ny1.com/pages/RRR/911special_survivors.html

MOSKOWITZ, Russell

www.thewtcmemorial.com/voices/russell_fha.php

Quote:

The fateful 44th floor. I have tried to remember what happened here as it proved to be the decision of a lifetime. An announcement came on the PA system for the whole building to hear. Read closely you can hear it as everyone stopped to listen. The door from the stairs opened as people crowded in the hall to hear it. „there is a fire in building 1, please evacuate that building.

Building two is secure, you may return to your desk.“

Did you hear what they said. Those words are with me forever. **YOU MAY RETURN TO YOUR DESK.** Hey that is wonderful. The building is secure. WTC 2 has nothing to worry about, except of course for the fire in WTC 1.

Further Quote:

The 33rd floor. This one provided the worst memories of my life. The scariest time. A time to start praying. A time to ask myself „Am I alive“. The CRASH. I shook, maybe I fell. Others fell. The building had been struck. I did not know that at the time. I felt a shake. A great shake. Then the noise. Like nothing I ever want to hear again. I tried telling people it sounding like 15-20 elevators falling down all landing ten feet from me. That description does not do it justice. Remember I was inside, so I had no idea what it was. What I thought-the other building fell into this one. And I was dead. Maybe not then, but shortly.

NAUDET, Jules & Gideon

French cameramen. They videod the north tower hit, and also damage to the north tower lobby damage. For the lobby damage, see

st12.startlogic.com/~xenonpup/underground/underground

[und explosions.htm](#) (scroll down, with video).

Comment on that page:

”The narrator claims that he ‘later learned’ that there had been an explosion caused by fuel pouring down an elevator shaft, but the lobby shows none of the soot or fuel residue we would expect from such an explosion. Instead we see blown-out windows and a fine dry dust covering the entire lobby, very much the signature of high explosives. Similar damage to the parking garages and subbasements can only be explained by pre-placed explosive charges that were detonated at the moment of the plane’s impact.”

Direct link to the video:

st12.startlogic.com/~xenonpup/underground/lobby.mpg

I remember reading that in WTC1 there was no single elevator shaft that ran from the lobby directly to the 90th floor levels where the flying object hit. You had to transfer to another elevator along the way. I doubt that fuel could have charged through the building like this. Confirmed by George S. PHEONIX,

<http://www.littlewhitedog.com/content-16.html>

O’NEILL, Helen

Associated Press special correspondent.

She wrote the article mentioning Berry JENNINGS and Michael HESS and the explosion of the WTC building 7 lobby,

www.poconorecord.com/report/wtc/1.htm

OESTREICH, Adam

www.netwert.com/ideapad/sep11_adam.html

OYE, Phil

edition.cnn.com/2001/US/09/20/vic.personal.account.cnn/index.html Quote: Once I learn about what

actually happened, I’m amazed that that much smoke filled the ground floor of a 110-story building from anything that could happen at 90 plus stories. But I guess it came down the elevator banks.

PALMER, Chief

A New York fire chief, died in the south tower collapse. Represented by the famous „firemen’s tape” where he mentions only two pockets of fire above the 70th floor in south tower shortly before its collapse. His voice on tape is evidence that there were no raging fire infernos as the

government's ludicrous „truss theory” purports. The government withheld the incriminating tape from the public for over a year.

PECORARO, Mike, & DELBIANCO, Arti

Mike Pecoraro, on 9-11-1, a resident of Long Island, a Stationary Engineer in the World Trade Center (north tower). **Arti Delbianco**, a co-worker of Pecoraro.

Witnesses to at least one underground explosion under the World Trade Center in the morning of 9-11-1. Their story has been covered in a long article in the power engineering and real estate management magazine „Chief Engineer”,

www.chiefengineer.org/article.cfm?seqnum1=1029

Pecoraro worked on that morning in the 6th sub-basement of building 1 (north tower) on refrigeration equipment. This was deep underground in an area surrounded by solid bedrock.

EXCERPTS from the Chief Engineer article:

Deep below the tower, Mike Pecoraro was suddenly interrupted in his grinding task by a shake on his shoulder from his co-worker. „Did you see that?” he was asked. Mike told him that he had seen nothing. „You didn't see the lights flicker?”, his co-worker asked again. „No,” Mike responded, but he knew immediately that if the lights had flickered, it could spell trouble. A power surge or interruption could play havoc with the building's equipment. If all the pumps trip out or pulse meters trip, it could make for a very long day bringing the entire center's equipment back on-line.

Mike told his co-worker to call upstairs to their Assistant Chief Engineer and find out if everything was all right. His co-worker made the call and reported back to Mike that he was told that the Assistant Chief did not know what happened but that the whole building seemed to shake and there was a loud explosion. They had been told to stay where they were and „sit tight” until the Assistant Chief got back to them. By this time, however, the room they were working in began to fill with a white smoke. „We smelled kerosene,” Mike recalled, „I was thinking maybe a car fire was upstairs”, referring to the

parking garage located below grade in the tower but above the deep space where they were working.

The two decided to ascend the stairs to the C level, to a small machine shop where Vito Deleo and David Williams were supposed to be working. When the two arrived at the C level, they found the machine shop gone.

„There was nothing there but rubble, „Mike said. „We’re talking about a 50 ton hydraulic press ? gone!“ The two began yelling for their coworkers, but there was no answer. They saw a perfect line of smoke streaming through the air. „You could stand here,“ he said, „and two inches over you couldn’t breathe. We couldn’t see through the smoke so we started screaming.“ But there was still no answer.

The two made their way to the parking garage, but found that it, too, was gone. „There were no walls, there was rubble on the floor, and you can’t see anything“ he said. They decided to ascend two more levels to the building’s lobby. As they ascended to the B Level, one floor above, they were astonished to see a steel and concrete fire door that weighed about 300 pounds, wrinkled up „like a piece of aluminum foil“ and lying on the floor. „They got us again,“ Mike told his co-worker, referring to the terrorist attack at the center in 1993. Having been through that bombing, Mike recalled seeing similar things happen to the building’s structure. He was convinced a bomb had gone off in the building. Mike walked through the open doorway and found two people lying on the floor. One was a female Carpenter and the other an Elevator Operator. They were both badly burned and injured. Realizing he had to get help, Mike ascended to the Lobby Level where he met Arti DELBIANCO, a member of his work crew. People were now coming down the same stairway from above the lobby and Arti and Mike had to stay where they were to direct people out of the stairway door and into the building’s lobby. If they didn’t, people descending could walk past the lobby door and unwittingly keep descending into the sublevels of the building.

(...)

The smoke in the stairwell was constant and at one point, Mike told Arti that he was going to catch a quick breath of fresh air. He walked out into the main lobby of the building, seeing it for the first time.

„When I walked out into the lobby, it was incredible,“ he recalled. „The whole lobby was soot and black, elevator doors were missing. The marble was missing off some of the walls. 20-foot section of marble, 20 by 10 foot sections of marble, gone from the walls“. The west windows were all gone. They were missing. These are tremendous windows. They were just gone. Broken glass everywhere, the revolving doors were all broken and their glass was gone. Every sprinkler head was going off. I am thinking to myself, how are these sprinkler heads going off? It takes a lot of heat to set off a sprinkler head. It never dawned on me that there was a giant fireball that came through the air of the lobby. I never knew that until later on. The jet fuel actually came down the elevator shaft, blew off all the (elevator) doors and flames rolled through the lobby. That explained all the burnt people and why everything was sooted in the lobby.“

Mike and Arti decided it was time to leave as well. They left the stairwell and reentered the lobby. As they walked to the exit, they heard a roar and the floor began to shake.

„Banging so hard that we fell down on our knees,“ he said. „I’m looking south, at the building, Arti’s looking at me, we locked eyes and he is screaming at the top of his lungs...I can barely hear this guy. He’s screaming, „What the f? is that?“, and I am screaming back at him, that I think it’s another plane“.

In reality, as the two were kneeling in the lobby of 1 World Trade Center, its sister building, 2 World Trade Center, was crashing down upon them. „The building was just bouncing and bouncing, the floor was

bouncing. I figured another plane already hit the building“. Mike related. „I’m looking ahead and I see all the windows, either three story tall windows or four story tall windows, 10 feet wide; shatter. All of them broke at the same time. All the glass flew over my head. I’m looking up, on my knees, with my hands on the floor, and I saw all that glass.

You’re talking glass three inches thick, go right over our heads. I saw that some of the firemen who was standing on the perimeter (mezzanine) was blown right off the top. They just flew over the top. I can’t put a number on it, maybe ten. Bunch of firemen were guarding doors there. They got blown off. Don’t know where they went. I saw pieces of debris as big as cars go right over my head without stopping. Like a line drive right over my head,“ he said, raising his hand to indicate an approximate 4 foot level.

„You couldn’t see anything now. There was dust in the room. My eyes were covered with dust and debris. I got hit in the back of the head with something so hard I fractured my elbow on the floor. Something stuck in the back of my calf and I just got beat all over the left side of my body. Then the building started bouncing even harder. So hard it was lifting me off the floor, bouncing me on the floor“.

(...)

In desperation, Mike grabbed the fireman’s coat, relit his flashlight and began dragging the unconscious fireman out of the building. „He was easy to drag,“ Mike said. „the floor was so slippery“. He moved in the direction he thought was out, but he was wrong. If Mike had turned left, he would have easily exited the lobby. But, blinded by the dust and disoriented from the pounding he had received, he turned right and was forced to travel three-quarters of the distance of the building before finally reaching a door.

Along the way, another fireman came out of the dust and grabbed at Mike. „Who are you?“ he yelled. Mike

told him he was an engineer in the building. The fireman replied: „Good; how do we get the hell out of here?“ Mike replied: „I’m not really sure. I thought this was the way out and now I’m not sure“.

More firemen appeared through the dust, they grabbed the unconscious fireman who Mike was dragging and said „let’s go!“ Slowly moving through the thick cloud, Mike led the fireman through the lobby. „There was piles of stuff on the floor,“ he said. „I don’t know what it was. There were people on the floor we were falling over“. Somehow, Mike managed to lead them to the South Entrance of the tower to a door which led to the Marriott Hotel. Debris blocked all of the doors from the building. The men managed to move through broken windows to the outside. „That’s when we started to hear people hitting the ground,“ Mike said.

PEKROL, William (Bill)

In a meeting in north tower, 72nd floor.

Quote from Pekrol’s survival story:

Bill and two attendees left the meeting after the building swayed and shook and **numerous explosions** set off by the jet fuel. Bill climbed down all 72 floors but when he arrived in the lobby of the Tower, **20 elevators exploded** from the plane’s jet fuel... the noise was horrendous and the tower was beginning to collapse.

news.boisestate.edu/UPDATE/updatearchive/2003/09112003/0911meetbillpekrol.html

Catch: The jet fuel did not exist. The tower was hit by missiles and bombed. Details in my story,

www.cloakanddagger.ca/media/Grossmann/081%209-11%20Tests.htm

It took about an hour to climb down those stairs. All fuel (whatever fuel) got burned in the first 7-10 minutes, as all fire experts say. Pekrol did not see jet fuel but explosions.

PENTAGON WITNESS LIST

See Eric BART

PERKAL, Don

www.mcsweeneys.net/2001/09/19perkal.html

(Pentagon, mentions two explosions that prompted him to start walking)

PETE, Norbert

www.rick.com/archive.html (scroll down for link to streaming audio interview, very descriptive)

PHEONIX, George S., III

www.littlewhitedog.com/content-16.html (information about WTC1 elevator system, no single shaft from top to bottom)

PRAIMNATH, Stanley

Assistant Vice President, Loan Operations, Fuji Bank, WTC2, 81nd floor.

Quote about transparency of the twin towers:

„As I'm standing there retrieving my messages, I'm looking out at the next building, One World Trade, and I saw fire falling through from the roof," Stanley said.
„Now, this entire building is surrounded by glass, and you can stand up and from there you can see all the buildings, planes and everything flying at the same altitude.”

[jeanne and trev.tripod.com/america/id17.html](http://jeanne.and.trev.tripod.com/america/id17.html)

PRIAL, Dunstan

news.bbc.co.uk/1/hi/world/americas/1537469.stm

Quote:

Associated Press reporter Dunstan Prial said he heard a sucking sound just before the first building collapsed.

„Windows shattered. People were screaming and diving for cover. People walked around like ghosts, covered in dirt, weeping and wandering dazed," he said.

RAJAN, Ash

BBC eyewitness

Was near WTC1 at first impact and reported several explosions

news.bbc.co.uk/1/hi/world/americas/1537785.stm

(scroll down to the time "0929 EDT")

REEVES, Brian

34-year-old security guard, was nearly killed while making the rounds in the lobby of 1 World Trade Center on September 11. He started to run after hearing an **explosion that he said sounded like a missile**, but he was knocked down by a fireball that roared down the elevator shaft.

ny1.com/pages/RRR/911special_survivors.html (with streaming video)

Reifenberg, Alan

www.usmc.mil/marinelink/mcn2000.nsf/lookupstoryref/200294171049

RENO, Janet

See **SUSPECTS**

RIVERA, Mercedes

Emergency Medical Technician helping at the WTC.

Her story of explosions everywhere:

All too often the civilians get overlooked when there is a Mass Casualty Incident (MCI). These are often the medical personnel who work for hospitals in a city but are not members of the police, fire, or EMS departments. Many of these people are the EMTs who drive ambulances for the city hospitals. There were many civilian EMTs there that day and some of their stories are in this book. One of these EMTs is Mercedes Rivera.

She was „right across the street from the World Trade Center” (p. 21). She and her partner grabbed their gear and immediately began treating people. „I was seeing debris falling, smoke, chaos, and fear” (p. 21). A captain told Rivera and the other EMTs to enter the World Trade Center. „I just remember the fear, the constant sounds of things falling, and the flying paper and debris.... I saw a burned woman in a sitting position in the lobby, as if she was still typing behind a desk.... She was already dead” (p. 22). They moved over to Seven World Trade. „A big, thunderous, crash that sounded just like an engine. We saw this big cloud ... it turned black ... debris rolling in” (p. 24).

Rivera fell. „I got trampled by everybody.... My partner stepped on me, and then grabbed me by my belt” (p. 24). **They had just gotten to safety when they heard „that big, thunderous, crashing sound again.... Purple smoke followed by black. It was like a tornado.... I waited for death.... Explosions everywhere, and then once again, complete silence” (pp. 26-27).** Rivera found herself „looking for my co-workers.... Where are Byron and John? ... Tito? ... Jerry? ... Mario? ... Keith? ... Yamel” (p. 27). Later she learned that Yamel Merino was among the dead that day. „We had escaped death three or four times that day” (p. 30). Rivera is one of those who feel the civilian EMTs were overlooked.

From a pdf online book review entitled „Real Heroines” of the book: Susan Hagen and Mary Carouba. Women at Ground Zero: Stories of Courage and Compassion. Indianapolis: Alpha Books, 2002. 330 pp. Photographs. \$22.95 (cloth), ISBN 0-02-864422-0. Reviewed by Noonie Fortin, Retired USAR First Sergeant. Published by H-Minerva (March, 2004)

rmansfie@panynj.gov story at

www.sharedexperience.org/wtc/experienceedit.lasso?VisitorRole=*&CommentGeneral=&Oper=And&Skip=1

Complete story, with fuel running down the elevator shaft and multiple explosions (explained as probably echoes from other buildings – nobody else ever noticed echoes):

Experience: I worked at 1WTC and arrived about 1 minute before the plane hit the first tower. The building seemed to move about 8 feet and swayed back and fourth about 3 times before finally coming to rest. As I stood up I saw flames coming through the ceiling in the coffee room where I was just about to go. We headed down stairwell C in the Northwest corner of the building and as we reached the 76 floor there was a door in the stairwell that was jammed. People began to panic; some continued down the stairs pushing those ahead; many people were screaming out „What’s the hold-up“ „Get moving“ etc. I opened the door at the 77 floor where the explosion from the plane above blasted out the sheetrock of the elevator shaft. The hallway was on fire and filled with smoke. It appeared that we were trapped. An office on that floor was open and the lights and phones worked but more importantly the air was fresh. I shouted out for everyone to quiet down and suggested that we all go into the office for a break and we would find another way out. It seemed like a reasonable suggestion and the only one offer at the time so we all headed into the office.

People immediately headed for the phones to call their loved ones and I was able to call my wife and let her know that I was alright. She didn’t even know that the building was hit. I told her I had to go and went into the hallway with about 3 or 4 other people to look for a new escape route. The only way out was through the hallway that was on fire. When we got to the other side I grabbed

a fire hose and with the help of 2 co-workers doused the flames in the hallway. There was a persistent fire in the elevator shaft apparently fed by jet fuel from above that would not go out. We kept the hose going as a last line of defense in case a fireball came down the shaft and evacuated perhaps 100 people from the offices onto stairwell A. We turned off the hose and joined the procession down the stairs. At that point the fire was above us and building that had withstood the bombing in 1993 was still standing; we felt safe.

I made it to the plaza lobby and was about to go downstairs to the concourse when I heard a loud explosion followed by several small explosions from above. In hindsight these were probably echoes from the surrounding buildings. I look into the eyes of a fireman a few feet away and we didn't say a word but we both had the same thought. This ain't good.

We ran about 100 feet to the west away from the glass doors by the plaza when the dark smoke came over us. I hit the ground and covered my face with the shirt off my back. The sound was like a freight train coming closer and getting louder. Then there was deafening silence and the sound of dust falling like rain. I was amazed that I was alive and I headed back to the stairs leading to the concourse level. I hooked-up with some firemen who were heading south toward a blank wall. I first told them to head left toward the shops but they wanted to go west toward the Hudson River. I said go right and don't stop. I went over a steel beam about 2-3 feet high and wished them good luck as I headed under the footbridge across West Street and then north gasping for air.

ROMAS, Fr. John, Pastor

www.coping.org/911/survivor/flight11.htm

Quote:

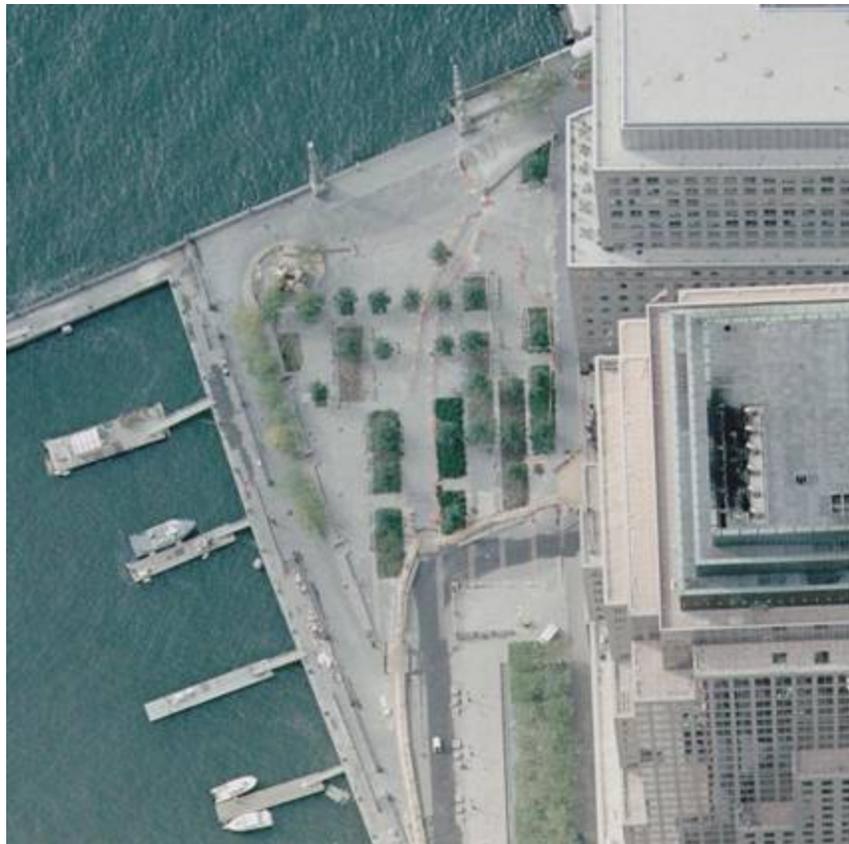
The terrorist attack against the Twin Towers of the World Trade Center that killed an estimated 5,000 [today's number: 3,066 plus hundreds of helpers such as firemen] people also destroyed the tiny St. Nicholas Greek Orthodox Church, located about 500 feet from ground zero.

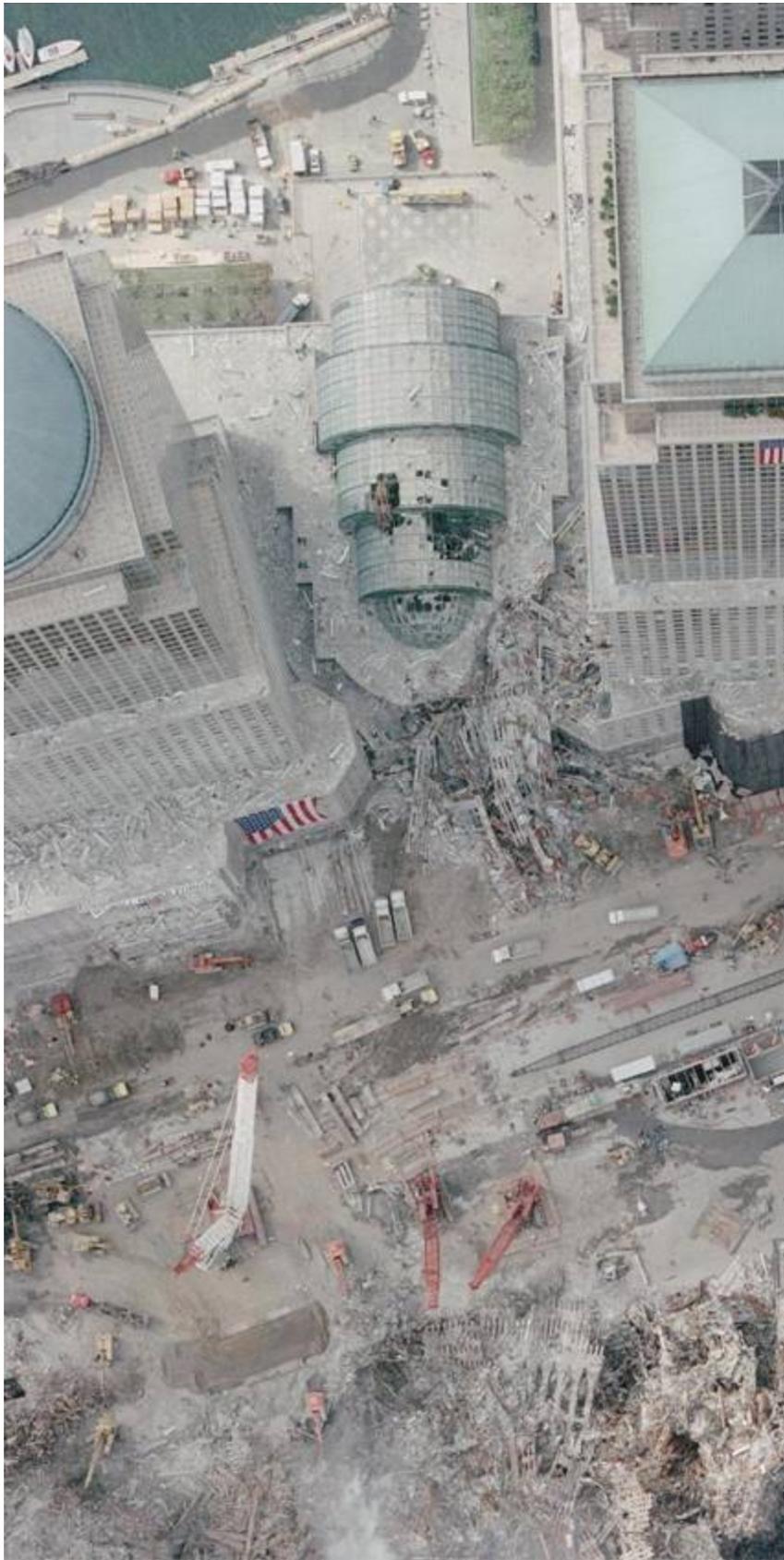
On Tuesday morning, September 11, 2001, Fr. John Romas, pastor, attempted to go to his church but was

turned back by police. Wednesday, he was permitted to visit the site to view what was left of the church. „It would break your heart,“ he said of the devastation he witnessed. „It’s one thing to see it on TV, and another thing to see it in person. St. Nicholas is buried under debris. It is the worst thing.“ He described steel girders and concrete from the towers burying the building. See another descriptive site with photo and link to a map:

www.wirednewyork.com/churches/st_nicholas/default.htm

Note: Compare how fallout from the collapses flew to the World Financial Center, destroying the WFC Winter Garden and leaving a distinct trail of heavy steel spandrels (from a government satellite photo):







Another view (military photo) of how the towers rained all over the place is

www.hq.usace.army.mil/uoc/event/911/images/Aerial%20Shot.jpg

(you can also see very well the deep explosion crater in the top of ruined WTC6 – U.S. customs building that was never hit by a plane but erupted like a volcano seconds after the pseudo-UA175 UFO hit south tower)

ROMERO, Van

New Mexico expert on explosives, terrorism and demolitions, close to the Pentagon. He initially stated that the World Trade Center was destroyed by a controlled demolition. Without convincing argumentative reason, he later withdrew his statement, "Van Romero, an explosives expert and former director of the Energetic Materials Research and Testing Center at New Mexico Tech, said on Sept. 11, 'My opinion is, based on the videotapes, that after the airplanes hit the World Trade Center there were some explosive devices inside the buildings that caused the towers to collapse.' The collapse of the structures resembled the controlled

implosions used to demolish old structures and was ‘too methodical to be a chance result of airplanes colliding with the structures,’ Romero told *The Albuquerque Journal* hours after the attack.”

www.rense.com/general17/eyewitnessreportspersist.htm (article by Christopher BOLLYN)

Memo: See LUND (confirming Danish bomb expert)

ROSEN, Marvin S. (of Greenberg Traurig, Miami)

See **SUSPECTS**

SABRINA

americastandstall.org/stories/sabrina.html

SALADINO, Ron

edition.cnn.com/2001/COMMUNITY/09/13/saladino.cnn/index.html Quote: About ten blocks north, I

stopped to catch my breath and when I turned around, the southern WTC began to collapse like a waterfall. It just fell down in perfect symmetry, one floor, then another floor, then another... and then a puff of smoke like a giant mushroom popped up.

SANTOS, José

911digitalarchive.org/seiu/details/52

SHEIH, Cary

Technical consultant from New York (age 29 on 9-11-1). He was in north tower, 72nd floor, and escaped.

www.truthorfiction.com/rumors/s/survivor8.htm

SILERVERSTEIN, Larry

If unwilling to testify his „pull it” video may be used instead of his testimony. To the effect that WTC building 7 fell in the afternoon of 9-11-1 by controlled demolition with Silverstein’s approval. He controlled the investment fund that owned building 7 and was called by the chief of the New York fire department asking for his approval, which he gave in a phone call. This has been documented on TV with personal statements of Silverstein.

www.prisonplanet.com/011904wtc7.html

SLEIGH, George

www.angelfire.com/nd2/911memorial/survivor/Facts.htm

Quote:

George Sleigh, a British-born naval architect, was on the phone in his 91st floor office when he heard the roar of jet engines. Looking out his window, he had time to

think just three things: The wheels are up, the underbelly is white, and „man, that guy is low.“ An American Airlines Boeing 767 was hurtling toward him at 500 mph, loaded with 92 people and 15,000 gallons of jet fuel. The jet exploded into the 93rd through 98th floors of the World Trade Center’s north tower with a force equal to 480,000 pounds of TNT. It was 8:46 a.m. on Sept. 11.

The walls, the ceiling and bookshelves crumbled. Sleigh, 63, manager of technical consistency at the American Bureau of Shipping, crawled from the rubble. He looked up at exposed steel beams and the concrete underside of the 92nd floor. He didn’t know it at the time, but that concrete floor was the bottom of a tomb for more than 1,300 people. Nobody survived on the floors above him. But on his floor and below, an amazing story unfolded: Nearly everyone lived.

The line between life and death that morning was as straight as a steel beam. Everyone on the 92nd floor died. Everyone on the 91st floor lived. When a second jet hit the south tower 16 1/2 minutes later, the pattern was virtually the same. In each tower, 99% of the occupants below the crash survived. At the impact area and above, survival was limited to just a handful of people in the south tower who made an amazing escape.

(...)

One stairway in the south tower remained open above the crash, but few used it to escape. Stairway A, one of three, was unobstructed from top to bottom. The jet crashed into the 78th through 84th floors of the south tower. A few people escaped from the 78th floor down these stairs. One person went down the stairs from the 81st floor, two from the 84th floor and one from the 91st. Others went up these stairs in search of a helicopter rescue that wasn’t possible because of heavy smoke on the rooftop.

SMITH, Dennis (firefighter)

www.coping.org/911/survivor/firefight.htm Quote: I leave the hoses and trucks and walk through the **World Financial Center**. There has been a complete evacuation; I move through the hallways alone. It seems the building has been abandoned for decades, as there are inches of dust on the floors. **The large and beautiful**

atrium with its palm trees is in ruins. Note: The Atrium of the World Financial Center was several hundred feet away from the World Trade Center towards Hudson River.

SPENCER, Leonard

Analyst, wrote among other items an article on WTC1 missiles from his own video analyses,
serendipity.911review.org/wot/aa11.html

STASTINOPOULAS, Dr. Dimitri

see ROMAS, Fr. John

SUJI & MINI, husband & wife

Escaped – how the tower collapsed:
So they escorted us thru the exit of World Trade 2 and I had just reached the revolving door of the building that I heard a loud explosion and the whole building collapsed.

<http://www.truthorfiction.com/rumors/s/survivor3.htm>

SURVIVOR LISTS

There are several survivor lists on the internet, such as
www.shunn.net/okay/reports/

SUSPECTS

Suspects are hostile witnesses. See my top-level analysis at:

www.cloakanddagger.ca/media/Grossmann/Four%20Horsemen/066%20Four%20Riders%20of%209-11%20Apocalypse.htm

I estimate that there are several hundred principals, maybe 10,000 accomplices in the U.S.A. and another 10,000 accomplices in developed countries worldwide. I call the organization the „Beast of Armageddon”.

TAYLOR, Carmen

A bus tourist from Arkansas in Manhattan on the morning of 9-11-1, took some of the most famous snapshots of south tower impact with her digital camera. See her story at

www.swtimes.com/archive/2002/September/08/Insight/PhotoMoment.html

Her pre-impact photo of a look-alike Boeing 767-222 is distributed by Associated Press (AP) worldwide,



We see with high clarity that the two jet engines (which in the alleged Boeing 767-222 registration number N612UA would have been two twin Pratt & Whitney JT9D turbofans) are shining white like two street lamps. GROSSMANN has verified through a phone call with Pratt Whitney (followed up by e-mail information regarding an engine scrap), discussions with technicians and pilots that such jet engines technically cannot shine white. They are always dark. Sun flare is ruled out because the left engine is in the tower's shadow and the back surface of the engines is towards the observer away from the sun. This is compelling additional evidence that the flying object is not alleged hijacked flight UA175 but a pseudo-UA175 UFO.

One can also discern the belly pod and the strange belly markings, analyzed by GROSSMANN at www.cloakanddagger.ca/media/Grossmann/081%209-11%20Tests.htm (part two, questions and answers).

Foundations of this analysis are in: GROSSMANN, T MINUS 9-11, download at <http://www.gallerize.com/>

THOMPSON, William C., Jr., Comptroller, New York City

His report in pdf format online, „One Year Later, The

Fiscal Impact of 9/11 on New York City”.

Page 2, table 2:

Table 2. *Wealth/Infrastructure/Capital Loss from 9/11 Attacks, \$30.5 billion*

Nature and Timing of Impact	Subtotals \$ bil.	Subtotals \$ bil.	TOTAL \$ bil.
I. Lost Wealth/Capital – Total			\$30.5
A. Property Loss/Damage		\$21.8	
1. WTC Towers, Replacement Value	\$6.7		
2. Other Buildings (incl. Retail, Hotel)	\$4.5		
3. Infrastructure: Trains, Phones, Electricity	\$4.3		
4. Tenants' Fixtures, Computers, Furnishings	\$5.2		
5. Private Costs of Cleanup/Victim Assistance	\$1.1		
B. Human Loss: Lost Earnings of Workers		\$8.7	

Source: See text for sources.

Explosion damage outside the World Trade Center was actually larger than the damage at the World Trade Center itself, which underlines the force of the bombs.

Page 4, table 3:

Table 3. *Lost and Damaged Office Space, NYC, Thousands of sf, as of September 23, 2001*

		Lost sf '000 ^a	Damaged sf '000	Total sf '000
1 WTC Tower	"WTC Complex" 13,420 sf ^b	4,761		4,761
2 WTC Tower		4,761		4,761
7 WTC		2,000		2,000
5 WTC		784		784
4 WTC		576		576
6 WTC		538		538
2 World Financial Center			2,591	2,591
3 World Financial Center			2,264	2,264
1 Liberty Plaza			2,121	2,121
4 World Financial Center			2,084	2,084
1 World Financial Center			1,462	1,462
1 Bankers Trust Plaza			1,415	1,415
140 West Street			1,172	1,172
90 Church Street			950	950
195 Broadway			875	875
22 Cortlandt Street			668	668
30 West Broadway			381	381
90 West Street			350	350
130 Cedar Street			135	135
114 Liberty Street			69	69
26 Cortlandt Street			25	25
106 Liberty Street			18	18
110 Liberty Street			6	6
Total		13,420	16,586	30,006

Use this to assess in a semi-quantitative way the huge loads of steel and other debris that were spewed forth by the 9-11 mini-volcano rigged with bombs.

THOMPSON, Yvette

www.drvc.org/youngadult/newsletter.htm

Quote, apparently re. WTC1:

Christine grabbed a phone, called 911, waited on hold, then hung up.

We could hear the sirens of the fire engines instantly after the crash. I looked out the window and saw streams of what I thought was water coming down; I later found out it was jet fuel. I was scared...confused.

Note: What was unburned „jet fuel” doing running down the windows seconds after the huge fireball??

TREVOR, Greg

www.coping.org/911/survivor/race.htm Quote: I was

nearly knocked to the floor by the impact of the first plane, which slammed into the north side of Tower One more than 20 floors above me. **I heard a loud thud,**

followed by an explosion. Additional Quote: All I saw was smoke and sky. One World Trade Center had stayed up for more than 1 hour and 40 minutes after the first attack, enabling thousands of us to escape. We walked the remaining blocks to the mouth of the Holland Tunnel. **Military jets flew overhead.** [Where were they before the towers were hit??]

TULLY, Peter

President of Tully Construction of Flushing, New York, told AFP that he saw pools of „literally molten steel“ at the World Trade Center. Tully was contracted on September 11 to remove the debris from the site. www.serendipity.li/wot/bollyn2.htm (article by Christopher BOLLYN)

TYSON, Neil deGrasse

THE CLASSIC 9-11 EXPLOSION ACCOUNT BY A HIGHLY OBSERVANT NATURAL SCIENTIST:

An Eye-Witness Account of the World Trade Center Attacks

from Neil deGrasse Tyson

The following is the text from an email Neil deGrasse Tyson sent to his family and friends on 12 September 2001. Neil witnessed the attacks on the twin towers from his apartment only six blocks from the World Trade Center. He is Director of the Hayden Planetarium of the

American Museum of Natural History, which is located in New York City. Neil also serves as The Planetary Society's Vice President. He has given The Planetary Society permission to share his eyewitness account with our members.

From: Neil deGrasse Tyson
Sent: 10AM, Wednesday, 12 September 2001
Subject: The Horror, The Horror

My entire family is safe. We evacuated our lower-Manhattan residence at about noon and migrated north on foot to Grand Central Terminal (about three miles) where we took Metro North to the home of my parents in Westchester, from where I write this message.

We live six blocks from the World Trade Center, in view of both Towers, City Hall, and City Hall Park. I happened to be working at home yesterday. My wife went to work at 8:20AM. I left at the same time to vote in NYC's Mayoral Primary. My 9-month old son was at home with our nanny. My 5-year old daughter was attending her second day of Kindergarten at PS-234, three blocks from World Trade Center. Lineup time in the yard was 8:40AM in full view of WTC 1.

When the first plane hit at 8:50, they evacuated the school without incident. I noticed WTC 1 on fire in a high floor upon returning from voting, about 8:55AM. Large crowds of onlookers were gathering along the base of City Hall Park as countless fire engines, police cars, and ambulances screamed past.

I went home, grabbed my camcorder, went out to the street and started filming. I consider myself to be emotionally strong. What I bore witness to, however, was especially upsetting, with indelible images of horror that will not soon leave my mind.

1) I first see WTC 1 on fire at a high floor. Not just flames coming out of some windows, but four or five entire floors on fire with smoke penetrating floors still higher.

Upsetting enough, but then...

2) Among the papers and melted steel fragments fluttering to the ground, I notice that some debris was falling distinctly differently. These weren't parts of the building that were falling. These were people, jumping from the windows, their bodies tumbling in rapid descent from the eightieth floor. I noticed about ten such falls, morbidly capturing three of them on tape.

Upsetting enough, but then...

3) A fiery explosion burst forth from a corner of WTC 2 about two thirds of the way up, perhaps the 60th floor. The fireball created an intense radiative impulse of heat from which we all had to turn our heads. From my vantage point, I could not see the plane that caused it, which hit 180 degrees on the other side of the building. Nor did I know at the time that a plane caused it. I first thought it was a bomb, **but the explosion was not accompanied by the tell-tale acoustic Shockwave that rattles windows. This was simply a low frequency rumble.**

As it burst from the building's corner, the fireball was so large that it extended all the way across to WTC 1. The fact the building's corner exploded tells me that the ignited jet fuel got focused by the sides of the floor into which the second plane flew, meeting at the corner with increased explosive pressure. The flames were accompanied by countless thousands of sheets of paper that burst forth, fluttering to the ground as though every filing cabinet on multiple floors was emptied.

The fact that the second tower was now on fire made it clear to us all on the street that the first fire was no accident and that the WTC complex was under terrorist attack. Morbidly, I have the explosion on tape and the sounds from the horrified crowd surrounding me. At this point I stopped filming, and went back inside my apartment.

Upsetting enough, but then...

4) As more and more and more and more and more and more emergency vehicles descended on the World Trade Center, I hear a second explosion in WTC 2, then a loud, low-frequency rumble that precipitates the unthinkable - - a collapse of all the floors above the point of explosion. First the top surface, containing the helipad, tips sideways in full view. Then the upper floors fall straight down in a demolition-style implosion, taking all lower floors with it, even those below the point of the explosion. A dense, thick dust cloud rises up in its place, which rapidly pours through the warren of streets that cross lower Manhattan.

I close all our windows and blinds. As the dust cloud engulfs my building, an eerie darkness surrounded us -- the kind of darkness you experience before a severe thunderstorm. I look out the window and can see no more than about 12 inches away.

Upsetting enough, but then...

5) Outside my window, after about 15 minutes, visibility grows to about 100-yards, and I notice about an inch white dust everywhere outside my window. That's when I realize that every single rescue vehicle that had parked itself at the base off the World Trade Center must now be buried under 110 collapsed floors of tangled debris, and multiple feet of dust. This collapse took out the entire first round of rescue efforts including what were surely hundreds of police officers, firefighters, and medics.

As visibility increased and I could now see the blue sky, there was blue sky where WTC 2 used to be.

Upsetting enough, but then...

6) I decide it's time to get my daughter, who was taken by the parents of a friend of hers to a small office building, six blocks farther from the WTC than my apartment. As I dress for survival: boots, flashlight, wet

towels, swimming goggles, bicycle helmet, gloves, I hear another explosion followed by a now all-too familiar rumble that signaled the collapse of WTC 1, the first of the two towers to have been hit. I saw the iconic antenna on this building descend straight down in an implosion twinning the first.

This dust cloud was darker, thicker and faster-moving than the first. When this round of dust reached my apartment, fifteen seconds after collapse, the sky turned dark as night, with visibility of no more than about a centimeter. It was getting harder to breathe in the apartment, but we were stable.

At this point I offer no hope of survival for any of the rescue personnel who were on the scene.

Upsetting enough, but then...

7) The cloud settles once again, now leaving a total of about three inches of dust outside my window. Another dark cloud of smoke now occupies the area where two 110-story buildings once stood. This cloud, however, was not the settling kind. It was smoke from ground-level fires. At this time the air in the apartment is getting harder and harder to breathe and it becomes clear that we should evacuate -- especially with the likelihood of underground gas leaks. I load up my largest backpack with survival items, put my son in our most nimble stroller and leave with our nanny, who then walks across the Brooklyn Bridge toward her home.

I go to where my daughter was held, which was upwind from all debris on a quiet street. She is in good spirits, but clearly upset. I have a crayon drawing of hers, sketched while waiting for me to arrive, which shows the Twin Towers with smoke and fire coming from them, as only a 5-year old could draw. „Daddy, why do you think the pilot drove his plane into the World Trade Center?“ „Daddy, I wish this was all just a dream“ „Daddy, if we can't return home tonight because of all the smoke, will my stuffed animals be okay?“

Upsetting enough, but then...

8) From the calm of an upholstered couch in the office where my daughter was kept, with my son under one arm and my daughter under the other, I realize that, fully loaded, each tower off the WTC holds 10,000 people. From what I witnessed, I have no reason to believe that any of them survived. In fact, I would not be surprised if the death toll reached 25-30,000. Beneath the Towers is an entire universe of six subterraneous levels containing scores of subway platforms, plus a hundred or so shops and restaurants. The Towers simply collapsed into this hole -- a hole large enough to have supplied the landfill for the World Financial Center across the West Side highway from the World Trade Center.

Upsetting enough, but then...

9) I realize that if the death toll is as high as I suspect, this incident is much, much worse than Pearl Harbor, where several thousand people died. It's more spectacularly tragic than the Titanic, the Hindenburg, Oklahoma City, car bombs, and airplane hijackings. The number of deaths in one four-hour period will be nearly half of the American death toll in all of Vietnam. I reconnected with my wife by 4PM, meeting her just north of Union Square Park, before we hiked another mile north to Grand Central Terminal for our ride to Westchester, above New York City. I will never be the same after yesterday, in ways that I cannot foresee. I suppose that my generation now joins the ranks of those who lived through unspeakable horrors and survived to tell about it. How naive I was to believe that the world is fundamentally different from that of our ancestors, whose lives were changed by bearing witness to the 20th century's vilest acts of war.

Peace to you all

Neil deGrasse Tyson
New York City

www.planetary.org/html/society/advisors/sept11account.html

VELIZ, Teresa

Facilities Manager for a software company, 47th floor, WTC1.

Quote on multiple explosions:

Veliz went down a staircase with a coworker to the concourse level. In the mall, they got onto an up-escalator as the South Tower collapsed, causing a rush of wind which knocked them down. In the pitch black, Veliz and her coworker followed someone carrying a flashlight:

„The flashlight led us into Borders bookstore, up an escalator and out to Church Street. There were explosions going off everywhere. I was convinced that there were bombs planted all over the place and someone was sitting at a control panel pushing detonator buttons. I was afraid to go down Church Street toward Broadway, but I had to do it. I ended up on Vesey Street. There was another explosion. And another. I didn't know where to run.”

Source: „Teresa Veliz: A Prayer to Die Quickly and Painlessly,” in September 11: An Oral History by Dean E. Murphy (Doubleday, 2002), pp 9-15.

www.thememoryhole.org/911/veliz-bombs.htm

VICTIM STORIES

related by friends and relatives (small selection)

north tower:

www.legacy.com/nytimes/Sept11.asp?Page=TributeFullText&Memorial=&LastName=Jacobson&City=&State=NoState

south tower:

www.nytimes.com/2002/05/26/nyregion/26STOWER.html?ex=1089432000&en=50b2925672ca0328&ei=5070

WADJA, Richard

news.bbc.co.uk/1/hi/world/americas/1543033.stm

WHITE, Kim

”Kim White, 32, an employee on the 80th floor, also reported hearing an explosion. ‘All of a sudden the building shook, then it started to sway. We didn't know

what was going on,' she told People. 'We got all our people on the floor into the stairwell . . . at that time we all thought it was a fire . . . We got down as far as the 74th floor . . . then there was another explosion.'

www.rense.com/general17/eyewitnessreportspersist.htm (article by Christopher BOLLYN)

WHOLIHAN, John

According to Bollyn, others suspected controlled demolition too: „WTC 7 mysteriously collapsed at 5:25 p.m. on 9-11, in what appears to have been a controlled demolition. John Wholihan, a firefighter with Rescue 5 from Staten Island was near WTC 7 when it collapsed. Wholihan told American Free Press that he heard ‘**many explosions’ just before the building [WTC7] collapsed** neatly within the perimeter of its foundation. Silverstein received some \$441 million in insurance money for WTC 7 although the cause of the collapse remains officially unexplained.”

www.worldaffairsbrief.com/keytopics/september11.shtml

WILLIAMS, Eric

New York city hall reporter

www.sonicmemorial.org (type in his name in search window)

He reported the collapse and tape-recorded the sound of the falling twin towers. – The audio tape recordings of the towers collapsing are apparently classified.

WOOD, Dr. Gary

U.S. army scientist, scientific head of project „Ghost Gun”. This is a secret military project to develop holographic camouflage to deceive enemies. This was described in the Australian press in an article entitled „The Holographic Battleground”,

www.nhne.com/newsbriefs/nhnenb79.html

and

www.cyberspaceorbit.com/phikent/ghstgun.txt

and

www.gallerize.com/media/0.%20Frequently%20Asked%20Questions.pdf (pages 8 and 9)

This information is used by GROSSMANN (in his online book and articles) together with information from BEARDEN (in his online articles) to interpolate the existence of a holographic scalar missile that functions

such as the pseudo-UA175 UFO that hit south tower, namely to look 98% like a real plane but be able to fly through the south tower's steel-column wall like a spook and explode only behind the wall well inside the tower (Evan FAIRBANKS south tower impact video distributed by ABC news). The pseudo-UA175 UFO probably had a hard core consisting of a small real (non-virtual) cruise missile. The belly pod and orange entry flash are circumstantial evidence for this.

Please read the appended article
(May 2004 bomb investigation
by Rodger Herbst) below.

APPENDIX

Below follows a concise additional WTC bomb investigation report by Rodger Herbst (15 pages). The URL where I found this is:

<http://septembereleventh.org/documents/rodgwtcpdf.pdf>

Mysteries of the Twin Towers Rodger Herbst; BAAE, ME May 2004

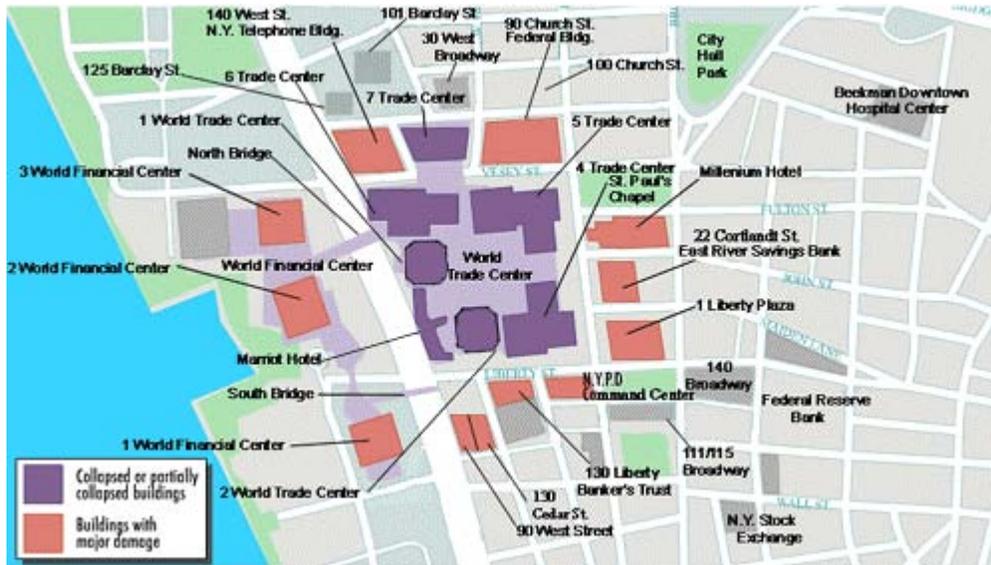


Image Courtesy David McGowan: www.davesweb.cncost.com/nwsltr43.html

The collapse of 1 and 2 World Trade Center (the twin towers) transformed the attacks of September 11 2001 to a new level of horror and national rage. Information from a number of sources is brought together in the following paragraphs in an attempt to establish what actually happened.

The First Experts Suggested Explosives Were Used

The WTC towers did not collapse because of the airplane impacts alone, because both towers stood for approximately an hour or more after impact. On September 11, 2001, American explosives expert Van Romero said: "My opinion is, based on the videotapes, that after the airplanes hit the World Trade Center there were some explosive devices inside the buildings that caused the towers to collapse." [Albuquerque Journal, 9/11/01] On Sept. 12 , the Danish "Bomb expert" Mr. Bent Lund stated - "an estimated amount of circa 1 tons of Extra high-explosives Bombs must have been detonated inside the World Trade Center complex in order to make the Towers collapse in the manner they did." [Daily (Copenhagen) Newspaper "BT"]. Romero, who was seeking Pentagon research funding at the time of the attack, as well as Lund, soon changed their minds about the cause of the collapse, and politically correct revisionist theories soon blanketed the news media.

Politically Correct Revisionist Theories Fuel Doubts

The first Politically correct theory was that heat from the fires simply melted the structural core, causing the collapse. Yet even if support columns had melted due to burning jet fuel, it is highly unlikely that the resulting structural weakness would be completely symmetrical. Irregularity would have produced a collapse in which concrete and steel girders would have rained down over a wide area, causing additional damage and fatalities. Subsequent revisionist theories with various names thus all attempted to account for the complete symmetrical collapse in terms of weakening of the steel supports and some form of floor by floor chain reaction.

Fire Theory Henry Koffman, director of the Construction Engineering and Management Program at the University of Southern California wrote that intense heat from the fires melted the steel, which caused the collapse of the towers [<http://911research.wtc.net/talks/towers/explanations.html>]

Professor Thomas Eager is professor of Materials Engineering and Engineering Systems at MIT. The Minerals, Metals & Materials Society published his analysis, which concluded that the fire could not possibly have been hot enough to melt steel. The analysis, which notes that steel melts at 1500 deg C., and that jet fuel produces a maximum temperature of 1000 deg C., even when mixed in perfect proportions, parallels the historically verified fact that fire cannot melt steel. [See Eric Hufschmid, Painful Questions: An Analysis of the September 11th Attack Endpoint Software 2002] .

Steel Weakening By Heat

An article by Zdenek P. Bazant of Northwestern University and Yong Zhou appeared in the on-line version of *Journal of Engineering Mechanics ASCE*, with the first version dated 9/13/01 and revisions dated 9/22/01 and 9/28/01 purported to address **why the buildings Collapsed. Bazant and Zhou suppose that the steel in over half of the 287 columns of the crash zone was exposed to sustained temperatures exceeding 800°C. At such temperatures, structural steel exhibits significant viscoplastic deformation, which caused a buckling of columns.**

But how hot was the fire, and how much heat did it produce? Jim Hoffman notes that Corus Construction performed extensive tests subjecting uninsulated steel-frame carparcks to prolonged hydrocarbon-fuled fires. The highest recorded steel temperatures were 360 deg C. [<http://911research.wtc.net/talks/towers/explanations.html>] This is substantiated by Jim McMichael, who wrote that the maximum temperature achieved in fire testing of unprotected steel supports [in the U.K., Japan, the U.S. and Australia] was 360 degrees C (680 F), a long way from the first critical threshold in structural steel, 550 degrees C (1022 F). Heat from the Tower beams was continuously conducted from the heated portions to the cooler portions below, suggesting an even lower maximum temperature. ["Muslims Suspend Laws of Physics,"www.Public-Action.com/911/mcmichael.html]

Charles Clifton is a technical expert in determining the effects of severe fire and earthquake on steel framed buildings. He believed that fire could not possibly have caused the towers to collapse. [Painful Questions] He has noted that regions of fire at 700 deg C would be glowing red hot and visible from outside the building, and that significant window breakage would have occurred. He noted that neither of these conditions occurred in the towers [911strike.com]

Investigative journalist David McGowan notes The Discovery Channel documentary entitled "Collapse: How the Towers Fell" was in many ways misleading. However, the analysis it provided also argues against structural elements reaching high temperatures. It noted that jet fuel, which can burn at temperatures "approaching 2000 deg F." does not burn for very long. "According to the show's experts, fully one-half of [Flight 11's] fuel burned outside of the tower. The remaining half, which ignited inside the tower, burned up in about eight minutes. And that analysis was based on the first crash, into the north tower. As can be clearly seen in video footage, a much higher percentage of the fuel burned outside the South Tower, in the second crash (9:03 am), yet the South Tower fell first (9:59 am) [www.davesweb.cnchost.com/nwsltr43.html]

On Aug. 2, discovery of a "lost" audiotape was reported. This tape is important, because it established that firefighters actually reached the crash zone on the 78th floor of the south tower, and confirms that the crash zone was not a raging inferno, and that the firefighters apparently believed they were in control of the situation. [http://americanfreepress.net/08_09_02/New_York_Firefighters_/new_york_firefighters_.html]

The appearance of several people in the fracture caused by the airplane entry in the North Tower also suggests temperatures were not excessive in the crash zone. [Hufschmid Painful Questions p. 27]

"Fire has never caused a steel building to collapse," writes Eric Hufschmid, quoting Bill Manning of Fire Engineering; "So how did a 56-minute fire bring down a steel building as strong as the South Tower? ... The Meridian Plaza fire in Philadelphia was extreme, but it did not cause the building to collapse. The [fires in the Towers] seem insignificant by comparison".

Truss Theory

Fire Engineering Magazine concluded that a growing number of fire protection engineers have theorized that "the structural damage from the planes and the explosive ignition of jet fuel in themselves were not enough to bring down the towers." These Fire Engineering specialists adopted the notion of a failure of lightweight trusses connecting building perimeter to load-bearing central columns. [New York Daily News, 1/4/02 , Fire Engineering, 1/02] In other words, the failure was lateral rather than vertical.

Although the building's plans were not initially available for investigation, photos of tower construction show that lateral steel floor beams anchored the perimeter to the central columns, enabling the capability to take large lateral loading due to wind. [www.nerdcities.com/guardian/WTC/wtc-demolition.htm]

The towers were designed to survive impact with a 707 commercial aircraft and ensuing fires due to burning fuel. The 707 is comparable in size to the 767 aircraft that struck the towers. The towers were also designed to withstand lateral winds of over of 140 miles per hour.

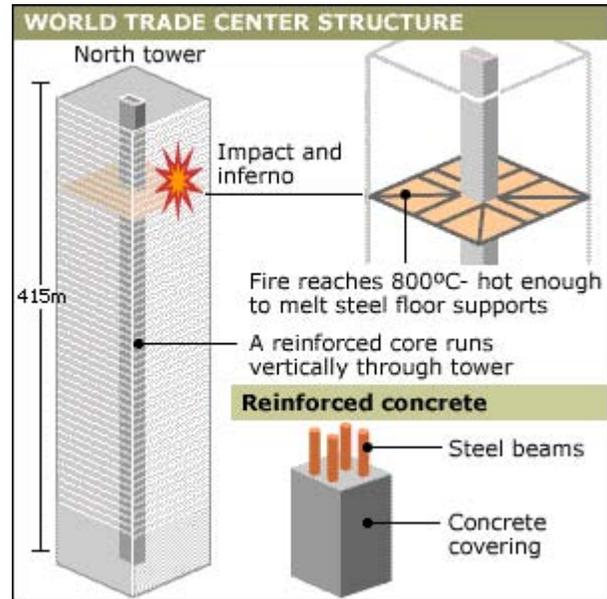
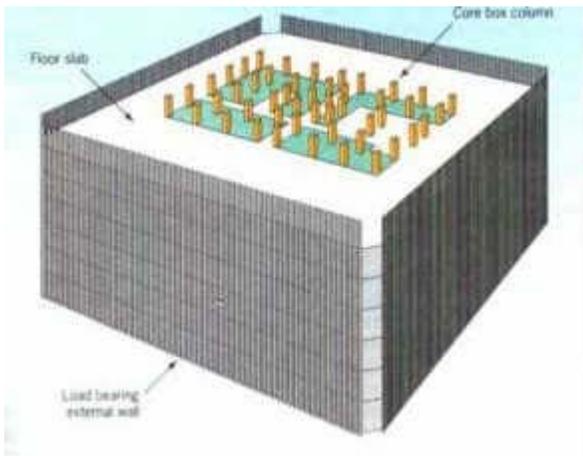


South Tower Impact Courtesy www.serendipity.li
www.serendipity.li/wot/impact2.htm

Pancake Theory

According to Bazant and Zhou, the “chain reaction” resulting in complete floor by floor symmetrical collapse of the North Tower was caused by the acceleration of the mass of the building above the buckled columns downward.

The term “Pancake Theory“, (as well as its variants; Zipper or Domino), arose to help facilitate the credibility of the chain reaction theory. Here the tower floors are likened to weak “pancakes.” David McGowan notes the discrepancy between the standard media graphic portraying the tower structure, and an accurately scaled rendering of the 'footprint' of one of the towers (image on left.)



Images Courtesy David McGowan: www.davesweb.cnchost.com/nwsltr43.html

The structural core occupied a significant portion of each tower's footprint. The floors are not wide-open 'pancakes,' as depicted in graphics distributed by the media (image on the right).

McGowan notes: “the 'pancake theory,' at best, only offers an explanation how the floor and exterior wall sections may have possibly collapsed. Even if such an unlikely event had occurred, the end result would not have been a 60-foot-high mound of rubble, but rather two somewhat narrower, 110-story towers.” [www.davesweb.cnchost.com/nwsltr43.html]

Any chain reaction theory would have to accommodate the fact that each of the towers unraveled completely in less than 15 seconds, which is close to the time of free fall from the top of the buildings if there had been no intervening solid structure. How could a mechanical process proceed through 100 floors with such speed?

A British Perspective

In an article dated 4 October 2001, Professor Wilem Frischmann, of the Pell Frischmann Group and the City University, London, said that the aircraft puncturing of the outer steel shells of the towers would not in itself have caused the towers to fall. Although the explosion caused by the fuel-laden aircraft would have been intense, the lack of available oxygen inside the towers would, according to Professor

Frischmann, have limited the fireball's temperature to less than 1,000 Celsius, within the tower design limits. Architect Bob Halvorson, of Halvorson and Kaye in London said: "There is going to be a debate about whether or not the World Trade Center Towers should have collapsed in the way that they did.... We are operating well beyond realistic experience." [news.bbc.co.uk/1/hi/sci/tech/1579092.stm]

The FEMA Building Performance Assessment

The Federal Emergency Management Agency (FEMA), and the American Society of Civil Engineers (ASCE) assembled a group of volunteer investigators, which was called the Building Performance Assessment Team (BPAT), and supplied \$600,000 in funding. The BPA Team consisted of specialists in tall building design, steel and connection technology, fire and blast engineering, and structural analysis.

On May 1, 2002: FEMA released its report of the WTC collapses, based on the conclusions of that group. The second paragraph of the Executive Summary notes "The structural damage sustained by each tower from the impact, combined with the ensuing fires, resulted in the total collapse of each building". According to the Executive Summary, the team "conducted field observations at the WTC site and steel salvage yards, removed and tested samples of the collapsed structures, viewed hundreds of hours of video and thousands of still photographs, conducted interviews with witnesses and persons involved in the design, construction, and maintenance of each of the affected buildings, reviewed construction documents, and conducted preliminary analyses of the damage to the WTC towers.

Yet the report then concludes "With the information and time available, the sequence of events leading to collapse of each tower could not be definitely determined." [www.house.gov/science/hot/wtc/wtc-report/wtc_Ex_Sm.pdf].

The document continues to waffle as it acknowledges the inability of the heat of burning jet fuel to explain the collapse: "The heat produced by this burning jet fuel does not by itself appear to have been sufficient to cause structural collapse. However, as the burning jet fuel spread across several floors of the building, it ignited much of the buildings' contents (paper, carpet, furniture????) causing simultaneous fires across several floors of both buildings.... Over a period of many minutes, this heat induced additional stresses into the damaged structural frames while simultaneously softening and weakening these frames. This additional loading and the resulting damage were sufficient to induce collapse of both structures."

The report insults the integrity of the original design of the towers, stating "Events of this type, resulting in such substantial damage, are generally not considered in building design, and the ability of these structures to successfully withstand such damage is noteworthy." It also suggests design features such as the type of steel truss floor were responsible, while cautioning us to not think of these design features as deficiencies.

Deepest mystery makes Appendix C

A tiny fraction of the steel beams from the tower debris were inspected. A New York Times article [February 2002] noted that pieces of steel were found that were "apparently melted and vaporized not solely because of the heat of fires, but also because of a corrosive contaminant that was somehow released in the conflagrations." Recommendations in Appendix C of the FEMA WTC report noted: "The severe corrosion and subsequent erosion of samples 1 and 2 constitute an unusual event. No clear explanation for the source of the sulfur has been identified." Materials science professors Ronald R. Biederman and Richard D. Sisson Jr. confirmed the presence of eutectic formations by examining steel samples under optical and scanning electron microscopes. A preliminary report was published in JOM, the journal of the Minerals, Metals & Materials Society. A more detailed analysis comprises Appendix

C of the FEMA report. The New York Times called these findings "perhaps the deepest mystery uncovered in the investigation."

A eutectic compound is a mixture of two or more substances that melts at the lowest temperature of any mixture of its components. Blacksmiths took advantage of this property by welding over fires of sulfur-rich charcoal, which lowers the melting point of iron. In the World Trade Center fire, the presence of oxygen, sulfur and heat caused iron oxide and iron sulfide to form at the surface of structural steel members. This liquid slag corroded through intergranular channels into the body of the metal, causing severe erosion and a loss of structural integrity. The important questions, says Biederman, are how much sulfur do you need, and where did it come from? Did the eutectic mixture form before the buildings collapsed, or later, as the remains smoldered on the ground. 'We have no idea,' admits Sisson. [<http://www.wpi.edu/News/Transformations/2002Spring/steel.html>]

Reaction to the FEMA Assessment

On December 25, 2001 The New York Times reported that some of the nation's leading structural engineers and fire-safety experts believe the investigation into the collapse of the WTC was inadequate, and are calling for a new, independent and better-financed inquiry. Experts critical of the investigation included some who actually took part in it. The team of 20 or so investigators, who conducted their review between October 7-12, had no subpoena power, inadequate financial and staff support, and had been prevented from interviewing witnesses and frequently prevented from examining the disaster site, and had even been unable to obtain basic information such as detailed blueprints of the buildings. [New York Times, 12/25/01] The NY Times account of the team activities contrasts with the account provided in the FEMA Report Executive Summary..

The decision of the City of new York to rapidly recycle the 300,000 tons of steel columns, beams and trusses from the WTC in the days immediately after 9/11 adversely effected the inquiry. Curiously, no forensic examination of the debris was permitted by the "Agency in charge", the FBI.

On January 4, 2002, the Fire Engineering trade magazine, with ties to the New York Fire Department, called the investigation into the collapse of the WTC a "half-baked farce." The article pointed out that the probe has not looked at all aspects of the disaster and has had limited access to documents and other evidence. Bill Manning, editor of the magazine, noting that destruction of evidence is illegal, demanded that the destruction and removal of the steel columns must stop immediately.

Congressman Boehlert, Chairman of the Science Committee of the House of representatives, testified "I must say that the current investigation- some would argue that 'review' is the more appropriate word- seems to be shrouded in excessive secrecy" and "...valuable evidence has been lost irretrievably, and blueprints were unavailable for months."

Professor Glenn P. Corbett, John Jay College of Criminal Justice testified before the Science Committee of the House of Representatives on March 6: "...we are staffing the [investigation] with part-time engineers and scientists on a shoestring budget." [Painful Questions, 2]. Corbett further noted "The steel holds the primary key to understanding the chronology of events and causal factors resulting in the collapse," and recommended an investigative commission on the World Trade Center Disaster

The Science committee itself, in its March 6 2002 report, called for a broader WTC investigation. In a letter to Mr. Mitchell E. Daniels, Jr. Director, Office of Management and Budget, the committee wrote "There was unanimity among the witnesses on the need for a comprehensive assessment and research agenda to address evacuation procedures, emergency response, and structural analysis of the site's buildings." [cryptome.org/wtc-hearing.htm]

Even the New York Times has expressed dismay. On the first anniversary of the attacks, The Times wrote, "the public knows less about the circumstances of 2,801 deaths at the foot of Manhattan in broad daylight than people in 1912 knew within weeks about the Titanic, which sank in the middle of an ocean in the dead of night." [NYT 7/23/02] The situation has not changed significantly.

Explosives Reconsidered

The first experts consulted suggested explosives were used to bring down the towers. Eric Hufschmid, J. M. King, and others have noted that the explosives theory explains very well the apparent removal of all structural support from the lower floors, and the neat demolition like collapse of the towers. [members.aol.com/erichuf/; home.attbi.com/~JMKing; www.serendipity.li/WTC.html]

Senior Special Agent in Charge (Retired) Ted L. Gunderson noted in *An Open Letter to U.S. Attorney General John Ashcroft* "Regarding 9-11 ... I have photographs available proving that the towers were imploded. These photographs are from NBC News' live television video footage (30 frames per second, with each frame numbered and broken down) the morning of September 11, 2001. They are available upon your request. [http://www.patriotamerica.com/TedGunderson/Reports.htm]

The mainstream media generally did not report explosions. Reports continue to surface however, and there is now photographic and even video evidence available which suggest that explosions actually did occur within the Twin Towers prior to their collapse.

Reporting of Explosives

According to Scott Forbes, a senior database administrator for Fiduciary Trust, Inc., with offices in the former WTC, Fiduciary employees trapped between the 90-97th floors of the South Tower told family members (via cell-phone calls) that they were hearing "bomb-like explosions" throughout the towers. Forbes, who had helped prepare the South Tower for an unusual power outage the weekend before 9-11 [discussed under **WTC Security** below] had the day off, and saw the towers collapse on TV.

Kim White, 32, an employee on the 80th floor, reported hearing an explosion. "All of a sudden the building shook, then it started to sway. We didn't know what was going on ... We got down as far as the 74th floor ... then there was another explosion." [www.serendipity.li/wtc.html#evidence_for_explosives]

Teresa Veliz, who escaped from the 47th floor of the North Tower: noted : "The flashlight led us into Borders bookstore, up an escalator and out to Church Street. There were explosions going off everywhere. I was convinced that there were bombs planted all over the place and someone was sitting at a control panel pushing detonator buttons. I was afraid to go down Church Street toward Broadway, but I had to do it. I ended up on Vesey Street. There was another explosion. And another. I didn't know where to run." [September 11: An Oral History, Dean E. Murphy, 2002, pp. 9-15]

On Sept. 11 the British Broadcasting Corp. (BBC) interviewed one of its New York-based reporters, Steve Evans: "I was at the base of the second towerthat was hit," Evans said. "There was an explosion-I didn't think it was an explosion-but the base of the building shook. I felt it shake . . . then when we were outside, the second explosion happened and then there was a series of explosions. . . . We can only wonder at the kind of damage-the kind of human damage-which was caused by those explosions-those series of explosions," he said.

[http://americanfreepress.net/08_09_02/New_York_Firefighters_/new_york_firefighters_.html]

On September 12, 2001, NY News Day reported that officials had recently taken steps to secure the towers against aerial attacks by installing bulletproof windows and fireproof doors in the 22nd-floor

computer command center. "When the fire started, the room was sealed," said [Hermina] Jones, who was in the command center when explosions rocked the building. "Flames were shooting off the walls...We started putting wet towels under the doors. The Fire Department unsealed the door and grabbed us by the hand and said, 'Run!' " [<http://www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story>]

On March 11 2002, CBS aired a film consisting largely of documentary footage on the firefighters of the FDNY's Engine 7, Ladder 1, all of whom survived the collapse of the towers. The footage was taken by a team of two French brothers, Jules and Gedeon Naudet. To their surprise, the firefighters of engine 7 found widespread damage to the entire lobby area. Over and over, these professional firefighters expressed their complete puzzlement over the damage in this area. As one firefighter put it: As one put it: "The lobby looked like the plane hit the lobby!" Although the narrator claimed that fire officials were "informed... by certain federal officials" that the lobby damage occurred because "burning jet fuel" had poured eighty stories down the elevator shafts and then exploded in the lobby, there was no indication of an incendiary-type explosion or fire in this area. <http://www.thepowerhour.com/postings/911-oddities-revealed.htm> Reference at indymedia website: http://sdimc.org/webcast/front.php3?article_id=912

This event is paralleled by an account given by Peter Wong, who was right under the elevator lobby of WTC 1 between the two ID checkpoints. "I heard the sound of broken glass, smelled burning gas [what kind of gas??], a door blown off about twenty feet in front of me, heat was coming my way. I stepped back and hid myself at the middle elevator of the Blue Cross/Blue Shield section when the strongest wave of explosion passed by with chunks of glass and debris flying around." (09/11 8:48 am: Documenting America's Greatest Tragedy 2001 BookSurg.cam and BlueEar.com.)

Reports of explosions by members of the NYC Fire Department also appear in the American media. In the September 12, 2001 issue of People, Louie Cacchioli tells of his rescue work inside the WTC: "On the last trip up a bomb went off. We think there was bombs set in the building." [People, 9/12/01]In an NBC exclusive: 911 Tapes Tell Horror Of 9/11 (Part 2) June 17, 2002 "Tapes Released For First Time", the quoted dialog references explosions: "Official: Battalion 3 to dispatch, we've just had another explosion. Official: Battalion 3 to dispatch, we've had additional explosion. Dispatcher: Received battalion command. Additional explosion. " [www.wnbc.com/news/1315651/detail.html]

Senior Special Agent in Charge (Retired) Ted L. Gunderson noted in *An Open Letter to U.S. Attorney General John Ashcroft* "Regarding 9-11, I have been told by a credible source that New York City firemen on the 76TH and 84TH floors radioed their commanders and reported that bombs were going off prior to the collapse of the World Trade Center towers. [<http://www.patriotamerica.com/TedGunderson/Reports.htm>]

Photographic, Seismic, video, Fox 5 News, and Technical Data Suggest Explosives

The first event in the collapse of each building was a mushroom cloud of dust above the building.

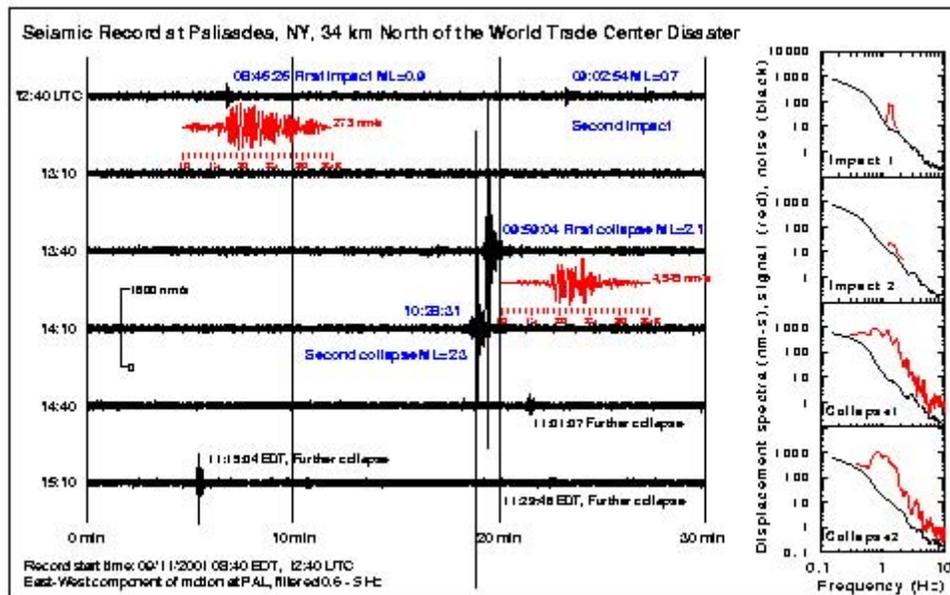
Hufshmid's book shows frames from a video looking up at the South Tower. The frames show the collapse "progressing floor by floor in a nearly perfectly balanced manner". After ribbons of dust blow out of the windows of one floor, they grow into larger dust clouds; meanwhile ribbons of dust blow out of the windows of the next lower floor, and so on.

It has also been noted that the explosions of dust from the windows that span the east face of the tower can equally well be explained as being caused by air being forced from the windows as each of the floors above collapsed. However, Jim Hoffman has calculated the energy required to allow the observed volume of expansion of dust, and found that it exceeds the energy available from gravitational collapse by a factor of 15. [<http://911research.wtc.net/talks/towers/explanations.html>]



Collapse of South Tower Photo 1 and Photo 2 Courtesy www.serendipity.li
www.serendipity.li/wot/collapse.htm

Detailed photos show debris, as well as the dust of pulverized concrete being ejected horizontally at high velocities up to several times the width of the towers during the collapse. According to Hufschmid, and Jim Hoffman, concrete is only pulverized in mid air in this manner by explosives. Danish video expert Henrik Melvang claims his four hour video shows five distinct "DUST CLOUDS" from Demolition Bombs exploding far below the point of airplane impact within the WTC.



Seismic Activity During 9-11 Courtesy www.serendipity.li www.serendipity.li/wtc5.htm

Data was recorded by Seismographs at Columbia University's Lamont-Doherty Earth Observatory in Palisades, New York, 21 miles north of the WTC.

Using the equation $\text{SQRT}\left\{\frac{\text{distance} * 2}{G}\right\} = (\text{Time})$, it takes about 9 seconds for an object to fall from the top of the towers (1300ft) to the ground. Hufschmid notes that the collapse times noted in the Seismic report; 8-10 seconds matches the collapse time derived from video images. This means that if these times are correct, all underlying structure was removed, allowing essentially free fall of the entire structures. Alternatively, Jim Hoffman has estimated it took rubble from the towers' tops about 13-16 seconds to reach the ground, both inside and outside the towers' footprints.

According to American Free Press, while the aircraft crashes caused minimal earth shaking, significant earthquakes with unusual spikes occurred at the beginning of each collapse. The Palisades seismic data recorded a 2.1 magnitude earthquake during the 10-second collapse of the South Tower at 9:59:04 and a 2.3 quake during the 8-second collapse of the North Tower at 10:28:31. Experts apparently cannot explain why the seismic waves peaked before the towers hit the ground. Asked about these spikes seismologist Arthur Lerner-Lam, director of Columbia University's Center for Hazards and Risk Research told AFP, "This is an element of current research and discussion. It is still being investigated." [www.serendipity.li/wot/bollyn2.htm: American Free Press]

Interestingly, the seismic activity at 9:59:04 may be compared with a September 11 2001 Fox 5 News video: A few seconds after 10:00 am, former Colonel Donn De Grand Pre notes, "we see a great white cloud of smoke and dust rising from the base of the [South] tower. The anchor gal exclaims, 'There is an explosion at the base of the building... white smoke from the bottom... something happened at the base of the building... then, another explosion! Another building in the WTC complex ...'" [Barbarians Inside the Gates: Book Two: The Viper's Venom: p 50]

A close up of the Seismic data for the North Tower [Hufschmid Painul Questions pg 73] shows a period of increasing activity, including sharp spikes at 1, 2 and 3 seconds, leading to the 2.3 magnitude pulse at about 5 seconds, followed by a period of decreasing activity. It has already been established that the

collapse began at the top of the towers, and that it took at least 8-10 seconds for the collapsing material to reach ground. This means that the sharp spikes during the first 5 seconds occurred before the collapsing material could reach the ground.

The concept of seismic activity prior to collapsed material reaching the ground is supported by the commentary of Conor O'Clery, who stated on seeing the south tower collapse: "I shifted my eyes upwards to the first tower that had been hit and was still standing, and saw that several more people had appeared in the upper stories where they had smashed windows. The man with the white cloth was still there, hanging precariously by one hand with his body out over the abyss. I wondered why there was no attempt to rescue them by helicopter as part of the roof of the 1350-foot building was clear of smoke. But then the tower began to sway slightly and two people fell in quick succession from the windows as if unable to maintain their grip....Then the [building collapsed]" [09/11 8:48 am: Documenting America's Greatest Tragedy 2001 BookSurg.cam and BlueEar.com.]

The Earth Institute News, posted 11/16/01, carried an article entitled *Damage to Buildings Near World Trade Center Towers Caused by Falling Debris and Air Pressure Wave, Not by Ground Shaking, Columbia Seismologists Report in November 20 issue of Eos*. The article states "While the ground shaking was consistent with the energy released by small earthquakes, it was not sufficient to cause the collapse of or damage to the surrounding buildings, as some have thought. Rather, the buildings around the Twin Towers were impacted both by the kinetic energy of falling debris and by the pressure exerted on the buildings by a dust- and particle- laden **blast** produced by the collapse.[www.serendipity.li/wot/bolyn2.htm: American Free Press]

Aftermath Suggests Explosives

On September 8 2002 Colonel John O'Dowd, of the U.S. Army Corps of Engineers, appeared on The History Channel. O'Dowd, who is no stranger to disaster scenes, had never seen anything like the remains of the twin towers. "At the World Trade Center sites," he said, "it seemed like everything was pulverized." There was nothing recognizable in the debris -- nothing to indicate that that pulverized debris had been, just seconds earlier, a functioning 10,000,000-square-foot office building. O'Dowd had been present at the scene of the partially collapsed Oklahoma City federal building. Though the collapse of the Murrah building was definitely facilitated by one or more powerful explosive charges, the debris from that collapse was not pulverized to the degree that it was at the site of the WTC towers. . [www.davesweb.cnchost.com/nwsltr43.html]

According to an Associate Press article of 1/15/02, Dr. Charles Hirsch, chief medical examiner of the City of New York, triggered an angry response when he told grieving relatives that many bodies had been "vaporized." The goal of his office was to identify at least 2000 of the 2823 victims. Dr. Michael Baden, the state's chief forensic pathologist said that most bodies should be identifiable because the fires ... did not reach the 3,200-degree, 30-minute level necessary to incinerate a body. Dr. Cyril Wecht, a top forensic pathologist in Pittsburgh said the combination of fire and compression from tons of rubble could reduce a human body to a small amount of tissue and bone.

[http://www.fdiai.org/some_world_trade_center_victims_.htm]

After one year, Hirsch's office had identified 1,401 victims, including 45 of those aboard the hijacked planes - 33 from Flight 11, which struck the north tower, and 12 from Flight 175, which hit the south tower.

[<<http://www.nydailynews.com/news/local/story/17949p-17009c.html>>]

After the Oklahoma City bombing, all 168 people killed were eventually identified. And the towers, according to the official story, were acted upon by nothing more than the effects of fire and gravity.

Five days after the collapse, on September 16, the National Aeronautics and Space Administration (NASA) used an Airborne Visible/Infrared Imaging Spectrometer (AVIRIS) to collect thermal data at the WTC site. The data revealed a number of surface thermal hot spots in the region of collapse. Analysis of the data indicated temperatures greater than 800 oF in these hot spots (some over 1300 oF). - U. S. Geological Survey Report <greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0429/index.html>

Controlled Demolition Incorporated, the company selected to remove the rubble from the bombing of the Murray building in Oklahoma City, was also selected to cleanup rubble from the WTC. According to Mark Loizeaux, president of CDI of Phoenix, Maryland, "pools of molten steel were found" ... "at the bottoms of the elevator shafts of the main towers, down seven [basement] levels, .. "three, four, and five weeks later, when the rubble was being removed" As has been noted, construction steel has an extremely high melting point of about 2,800° Fahrenheit (1535° Celsius). [www.serendipity.li/wot/bollyn2.htm: American Free Press] Accounts vary as to the duration the steel was in molten form. The key question is how does a small amount of jet fuel at the top of the towers, with a maximum temperature of 1000 deg C, result in molten steel at 1500 deg C. in the basement?

CDI advertises its ability to demolish steel columns into pieces matching the lifting capacity of available equipment. Interestingly much of the WCT steel rubble could be stacked conveniently on standard flatbed trailers. [Hufschmid]

Suppression of Reports of Explosives ?

According to the New York Times, New York City Mayor Bloomberg failed to conduct an investigation into the WTC attack response, yet the City of New York has continued to hold hundreds of documents and audio tapes recording the response of emergency services to the September 11 attacks on the WTC, which it says should never be released to the general public. [NYT 7/23/02]

In response to a petition by the NY Times, which has been trying to get copies of these materials, New York State Supreme Court Justice Richard Braun ruled in February 2003 that the city had not provided sufficient reason for withholding these documents. The City of NY initially appealed this ruling. [AP February 6 2003] A "compromise" was apparently reached: In the final ruling, portions of the oral histories and tapes containing the opinions and recommendations of the interviewees and dispatchers will be redacted, "since such opinions and recommendations are to be distinguished from factual material." Apparently New York City does not trust the opinions of those it entrusted with the safety of its citizens. The press will get only expressions of personal feelings. On November 20 2003, the federal commission investigating the Sept. 11 terrorist attacks announced that four months after its initial request for the materials, it had issued a subpoena . [NYT 11/21/03]. After strenuously objecting, the City of New York finally relented, with the agreement that redacted versions of the tapes could be made, but the originals must remain in the custody of New York City.

Interestingly, access to the original "lost" audiotape of firefighters on the 78th floor, referenced earlier, was severely restricted by the Justice Department. The relatives of the 16 firefighters whose voices were identified on the tape were allowed to hear their last words, but were first required to sign a statement prepared by lawyers that they would not disclose what was said on the tape. [http://americanfreepress.net/08_09_02/New_York_Firefighters_/new_york_firefighters_.html]

The decision to allow "redacted" versions to be released could be appealed to the New York Court of Appeals, but the New York Times has not indicated any plan to appeal. [http://www.courts.state.ny.us/reporter/3dseries/2004/2004_00091.htm]

The Collapse of WTC #7

WTC7 has received a lot of attention because of its inexplicable collapse at 5:20 PM on September 11. WTC7 purportedly burned for hours before collapsing, but the source of the fire remains a mystery, as does the complete failure of the building's modern fire-protection systems.

Another interesting fact is that the entire twenty-third floor of WTC7 was a state-of-the-art command center, reportedly set up by Mayor Giuliani. That floor was designed to serve as a base of operations during times of crisis. It was reinforced to withstand winds of 160 miles per hour, and had an independent air and water supply.

On September 11, 2001, the command center was monitoring the situation in lower Manhattan -- until personnel there received an order to evacuate. One official told the filmmakers: "to this day, we don't know who gave that order." [www.davesweb.cncost.com/nwsltr43.html]

In a PBS documentary "America Rebuilds" Larry Silverstein admitted that WTC 7 was "pulled," that is, intentionally demolished: "I remember getting a call from the, er, fire department commander, telling me that they were not sure they were gonna be able to contain the fire, and I said, 'We've had such terrible loss of life, maybe the smartest thing to do is pull it. And they made that decision to pull and we watched the building collapse.'" [<http://www.pbs.org/americarebuilds/>]

This explanation undermines the FEMA assessment: "The specifics of the fires in WTC 7 and how they caused the building to collapse remain unknown at this time."

The Silverstein "Study"

Only three months before the attack, Silverstein Properties and Westfield America signed a rental contract for the WTC, agreeing to pay a total of 3.2 billion Dollars in leasing installments over 99 years to the Port Authorities [Die Welt, Berlin, Oct 11, 2001] According to The Financial Times Ltd., terms of the lease allowed the new owners to walk away from their investment in the event of "an act of terrorism." [www.interesting-people.org/archives/interesting-people/200109/msg00162.html] Despite not being the owner of the buildings, Silverstein demanded to be the sole beneficiary of the insurance indemnity payments of more than 7 billion Dollars. Steve Solomon, his spokesman said. ... The Port Authorities agreed with Silverstein's demand." –[Die Welt, Berlin, Oct 10, 2001.]

Interestingly, a team of engineers from several firms working for Silverstein Properties Inc. offered their own high tech analysis of the cause of collapse, based on the notion of column failure, not floor trusses. Two WTC, though hit by the second hijacked plane after One WTC, fell first "primarily" because the plane struck it at an off-center angle and caused damage that compromised the corner of the core of the building, concludes the report's authors, the New York City-based leaseholder of the World Trade Center. [mcgraw construction] The study fails to mention that researchers have noted that corner of the building virtually disappeared, or rather disintegrated, in a cloud of smoke. [Hufschmid, Hoffman, McGowan]

WTC Security

According to a September 12 2001 report by NY News Day, a WTC security detail had been working 12-hour shifts prior to 9-11 because of numerous phone threats. But on the Thursday before, "bomb-sniffing dogs were abruptly removed". [<http://www.nynewsday.com/news/local/manhattan/wtc/ny-nyaler122362178sep12,0,7280472,print.story>] Several internet sources reference the unfortunate demise of the bomb sniffing dog Sirius who was allegedly killed when the towers collapsed. [http://www.dogspeak.ca/WTC_Dogs.htm] Interestingly, one of the sources claims Sirius' ashes were recovered from the trade center wreckage, and placed in an urn for his Port Authority police officer master David Lim. [<http://www.signal8-2.com/paula.htm>] [www.signal8-2](http://www.signal8-2.com) is sponsored by Port

Authority of NY and NJ Police.

Victor Thorn of Wing TV has reported the WTC 9-11 security concerns of Scott Forbes, a senior database administrator for Fiduciary Trust, Inc., with offices in the former WTC. His company was notified three weeks in advance that New York's Port Authority would take out power in the South Tower from the 48th floor up on the weekend prior to 9-11, ostensibly to implement a computer cabling upgrade. Forbes noted that Fiduciary Trust was one of the WTC's first occupants after it was erected, and that a "power-down" had never been initiated prior to this occasion. Forbes recalled the power was out approximately 30 hours between early Saturday morning (September 8th) and mid-Sunday afternoon (September 9th). As a result of the power outage, the WTC's security cameras, ID systems, and elevators to the upper floors were rendered inoperative. Forbes noted that many "engineers" going in-and-out of the WTC had free access throughout the building due to its inoperative security system. Forbes also noted other security related anomalies: Video cameras positioned atop the World Trade Center which were used to feed daily images to local television stations were inexplicably inoperative that morning. Also, a Fiduciary employee who was on one of the lower floors and escaped immediately after the first (North) tower was struck, reported that he was amazed by the large number of FBI agents that were already on the streets surrounding the WTC complex only minutes after the initial strike. Forbes says that even though these disclosures could jeopardize his current employment, he has stepped forward because, "I have mailed this information to many people, including the 9/11 Commission, but no one seems to be registering these facts." [<http://69.28.73.17/thornarticles/powerdown.html>] Did a similar power outage occur in the North Tower?

Ontrack/Convar, the German company that was trying to recover data from WTC hard drives in order to determine who was responsible for last minute financial transactions on 9/11, was purchased after the fact by none other than Kroll Inc. (Kroll O'gara Eisenhardt) in June 2002. Kroll is a huge, multi-national security firm which has strong ties to US intelligence. Coincidentally, one of their upper echelon, Jerome Hauer, was responsible for brokering the position of head of security for ex-FBI whistleblower John O'Neill in the WTC. Mr. O'Neill died in the 9/11 attacks. [<http://www.rumormillnews.com/cgi-bin/forum.cgi?noframes;read=45822>]

A business entity now known as Stratesec, Inc. began performing security work at the Center in 1993. In 1996, Stratesec, then known as Securacom, was awarded an exclusive contract to provide security for the World Trade Center complex. Stratesec/Securacom also provided security for United Airlines and Dulles International Airport. Sitting on Stratesec's board of directors, from the time the company began working at the WTC, was a major shareholder by the name of Marvin Bush. Marvin, like Jeb and Neil, is a brother of George W. Bush. [www.davesweb.cncost.com/nwsltr43.html]

Gathering the Loose Ends

Building professionals were unsatisfied with the original building assessment and have recommended an investigative commission into the WTC collapses. The Science Committee of the House of Representatives itself called for a broader WTC investigation. A number of new issues could be addressed:

How could any mechanical process (causing a floor by floor chain reaction collapse) proceed through 100 floors with enough speed to roughly coincide in time to building free fall?

Numerous instances are documented of the reporting of explosives by people immediately present, who lived to tell of their experiences. These reported explosions, however, were prior to the collapses. What was the source of these prior explosions? One possibility might be disrupted utilities, such as natural gas mains or electrical circuits. But why were there so many, so far below airplane impact?

What caused the seismic events occurring prior and during the collapse of the buildings, but before any debris hit the ground, as witnessed by both bystanders and seismic instrumentation? How does a small amount of jet fuel at the top of the towers, with a maximum temperature of 1000 deg C., but probably much lower, result in molten steel at 1500 deg C. in the WTC basement?

Why would the City of New York label reports of emergency responders "opinions" as untrue, across the board, and refuse to release these opinions to the public? What are these "opinions" NY City wants to keep hidden? Why were the relatives of 16 firefighters identified on the "lost" tape be required to sign a statement of non-disclosure before being allowed to hear it?

Where did the sulfur come from in the eutectic mixture that allowed the steel to melt at lower temperature than usual?

Some evidence still survives. Dr. W. Gene Corley, who headed the FEMA-sponsored engineering assessment of the WTC collapse, noted that 80 pieces of steel were saved.

[www.serendipity.li/wot/bollyn2.htm: American Free Press] Dr. Abolhassan Astaneh-Asl Professor Department of Civil and Environmental Engineering University of California, Berkeley testified "I have identified and saved some components of the structures that appear to have been subjected to intense fire or impact of fast moving objects. " [cryptome.org/wtc-hearing.htm]

www.serendipity.li/WTC.html notes that steel which is subjected to explosion exhibits a characteristic which metallurgists call "twinning". Presumably the surviving fragments of the supporting steel columns of the Twin Towers could still be tested for twinning.

Thanks to Eric Hufschmid, Dave McGowan, and the webmaster of serendipity.li for permission to reproduce images.

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[911-OPERAATIOT YHTEENVETO](#)

[Pommit WTC tornissa](#)

[Pommiteknologian kehitys liittyen 911-operaatioihin](#)

[Minivetypommiin viittaavat havainnot](#)

[Sotilasasiantuntijan näkemys: miksi World Trade Centerin tornit sortuivat](#)

Writings of a Finnish military expert

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Writings of a Finnish military expert

911- OPERATIONS: A SUMMARY

Operations consisted of at least the following

Air defence (NORAD) military excersises (war games) with pursuits of 22 imaginarily hijacked planes just on 9-11-2001, before and simultaneously with the "real" hijackings. Some of the defense interceptors flew to Alaska, as far as possible away from the cities that were being attacked.

The "hijackings" of four civil aircraft and substitution of planes to remote controlled ones (at the parts where real flights were used). It is certain that an operation this complex and heavy in demolitions' preparations is not left to be handled by arabs with carpeting knives. Plissken-Valentine or Pearl are well assumed estimations on how the aircraft operations were performed. Since the part of airplanes was critical to the real aims of the operation there must have been a couple of reserve planes for USAF Boeing 767s and Global Hawk. Or perhaps the shot-down airliner Boeing 757 in Pennsylvania was a remote controlled reserve plane like this.

The reservation situation of certain planes was kept artificially low, when coast to coast flights were booked for 20% instead of the usual 75% to minimize deaths that could cause problems. If the flights were real then passengers on them had to die (or at least to disappear). Two of the flights probably were just fictious ones, only visible on radar screen, which minimized the amount of passengers to be murdered.

There was use of put options with airline stocks and with the re-assurance companies related (American Airlines, United Airlines, Allianz, Munchener Re, Schweizer Re, AXA...).

Even the assurance values of WTC-buildings were doubled in July 2001. The camouflaging of six remote controlled aircraft to appear like a Boeing 767 or 757 airliner. Planes probably were 2x USAF 767 tankers, a Global Hawk in Pentagon and a "real" 757 in Pennsylvania.

False tracks were created for "terrorists" using young muslim looking persons, who took aviation classes in Southern USA and were partying in night clubs.

The demolition preparations of a Pentagon wing, that was under reparation. This was supposed to collapse a horseshoe shaped area of the building, resembling a destruction which could have been caused by a real Boeing 757 after the fake Global Hawk attack. This partly failed. Photographic evidence exists of an attack by a very small plane before the wing of the Pentagon really collapsed. And the structures collapsed only after the firemen sprayed lots of water on the ceiling of the building.

The demolition preparations of the WTC-towers and the WTC-7 so that it is possible to make them completely to collapse. Even positioning electronic homing device into towers and into Pentagon to ensure the accurate hit of the remote controlled aircraft and extra napalm-efforts for dramatizing the effects of airliner hits. The WTC-buildings could have been exploded down to earth in same way even completely without the airplanes.

Ordering, preparing and transportation of WTC-charges. Solely for the steel pillars of outer circle 40 x 240 charges were needed, let's say 10 000 cutting charges weighting each 50 lbs for each tower. For the WTC-7 at least 4000 charges was needed. Additionally, at least one mini thermonuclear bomb for each of these three buildings.

The locating of critical targets for the conspiracy in WTC-towers. For an example, WTC-1 in FBI's floors 22-24 was held a lot of evidence of world wide economical crimes (it is said one was the case against Mobil Oil and James Giffen on illegal oil swaps between Iran and Kazakhstan and another was the evidence in the investigation of gold price fixing stemming from charges brought against Alan Greenspan, Morgan & Company and Goldman Sachs). It is possible that some targets were attacked because of the unique opportunity exploitable where bodies and all evidence of crimes automatically would disappear when hydrogen bomb explodes. Explosions heard from towers before commencing of "collapse" may have

been related to these attacks. There is a reason for the huge explosion in the customs building, too.

THE DEMOLITION OPERATION OF THE WTC-TOWERS

1) One must define cutting charges of right size and dimensions, and then order 24 000 pieces. One must as well order detonators fitting (detonators are needed a lot more). Fitting detonators usually already exist in stores of army (or CIA). Time to delivery is anyway several months. All detonators must be equipped with some kind of safety mechanism, that will be removed by a radio signal at the final moment.

2) Then the cutting charges are installed in the selected rooms not in use. Some of these rooms may as well serve as temporary storages for charges needed elsewhere. After this the flat is renovated and circulated to clients. One man assembles continuously maybe 5 cutting charges in hour. With 10 assemblers 350 charges are installed in a day. As surplus transportations of supplies, renovators and guards are needed, maybe about 20 people more (5 of them know what is going on, 15 do not). For installation of charges this operation needs at least four months with 30 men. Considering the step 1), maybe six months are needed. Personnel can not be increased, but probably diminished, if more time would be available.

3) No one had access to some of the chosen apartments, that is why on weekend 8. – 9.9.2001 it is announced, that floors up from 40 are equipped with cables and no normal employee has access to their working area. The installations of explosives are completed and at the same time at least in charged areas listening devices are set to found out a possible premature discovery. If someone finds charges the guards are soon at place and will deal the situation in one way or another.

4) One completes the area of secret service in WTC-7 so that the demolition operation can be carried out from there. A military flight beacon is placed there (planes are homing to it far away). Remote controls for air planes and radio transmitters to be able to blow up at

least one third of the cutting charges are placed. From this location probably already exists the ability to eavesdrop any area of WTC, for an example by a laserbeam, aimed to a selected window.

5) A radio beacon helping the final approach is placed in targeted apartments in WTC-towers. Close to these remote controlled napalm explosives are placed as well, in order to draw the interest from planes to fires. The higher in towers the planes are targeted, the less there will be deaths (real terrorists would do exactly the opposite). Evacuation from lower floors should be possible through the staircases. The target is to create a new reason for odd wars and fascistic laws, not to kill many Americans. "A new Pearl Harbor", meaning the death of about 3000 citizens is probably the expected loss of lives.

6) The attack plans are made, so that they can be executed during the khaos, for an example into the offices of FBI economy crime investigations (the attackers had already their own men infiltrated in these facilities.) Even in WTC-6 (customs) either a mini nuke or a very strong bomb is blown out (which one, depends on either there was or not melted steel ponds in the cellar of WTC-6. An explosion, of course, hides the loss of any supplies (and a nuclear explosion, murders, as well.)

7) In the morning of 9-11 the operations are performed by a timetable counting seconds. From the command post facilities the actions in towers are monitored. To hide the true nature of operation, there was probably an agent on call in both towers, who could silence the people finding out too much (the agent won't probably know what is going to happen).

It is not probable that all the people, who knew about the demolition charges in WTC, or those who installed the remote controls of aircraft or did some camouflage paintings for drones still are alive and capable of telling of their acts, which changed the world, when this is written.

8) The mini-nukes will be transported to the cellar floors with elevators. Then the elevators will be locked down, guarded and monitored –no service repairman will be allowed near these elevators. The thermonuclear device used in WTC7 was different, it's yield was set lower and it also was directed in a way better suited for that building.

9) The explosions have been timed so that 99.9% of people around will look the top of towers, as perhaps two seconds later the mini-thermonuclear bomb is exploded in the cellar of south tower, and again two seconds later another very powerful charge in the WTC6 customs building while nobody is looking that way. There are also the continuous explosions of the 1000s of cutting charges tearing the south tower down at the speed of gravity-driven free fall.

10) The demolition of either of the WTC towers took at least half an year to prepare, including installation of 10 000 cutting charges and the delivery of a thermonuclear device at the last moment. The demolition of those ultra strong steel pillars in the central core using cutting charges only is not possible without waking up unwanted attention. These charges must be in touch of the steel pillars, and there is not enough enclosed space in central core to hide these biggest possible charges.

11) The demolition operation is finished by destroying the WTC7 using a nuke and completely destroying the op center with it's equipment. Concrete evidence like the military flight beacon and the remote control devices for cutting charges and napalm as well as the recordings of eavesdropping devices regarding events within towers will vapourize and vanish without a trace.

SIDE MARKINGS

Most of the media is controlled by people related to the attack and tell only misleading stories, as if crushing of the airliners or a weak fire could have been causing the "collapse" of the towers. The true attackers are with a huge force broadcasting around their false version of the events, very different to what really happened.

Not even at this moment not a single newspaper, magazine nor a national tv-channel in western nations have taken a critical view on this so called truth, that explains that planes and fires caused by them destroyed the WTC-towers. The destruction of WTC-7, that has no explanation at all, is bypassed without any comments. Huge bomb, exploded in WTC-6

is also bypassed as non-existing event.

Some things, like the closest seismographs' sharply drawn pictures may have been falsified. A Specialist in demolitions, V.Romero, may have been forced to change his original opinion. Cheating is completed by Osama Bin Laden , who as a CIA-agent "confesses" to have ordered the airliner strikes. A media harrassment. Bin Ladens cheating and the suicidal arabs construct a net of lies, that catches the most of the mankind.

The laymen have no experience in observing differences with collapses, controlled demolitions and underground nuclear demolitions. Even the destruction of heavy steel constructions or a typical fire damage are far away from their field of experience. These towers were build to last the impacts of hitting of Boeing 707, comparable to Boeing 767, including the fires caused by the aviation fuel. And they survived that well.

The knowledge of relevant advances regarding weapon technology is even rarer. Manu of those, who would know, are bound by strict commitment of loyalty – that is clearly looked after. In some cases, those who speak are executed, (read, they will have an accident....)

The author of this text feels as his duty to publish in public discussion mainly the advanced knowledge in explosives from a military point of view, because it is obvious, that lacking this information people cannot explain the events observed around 911.

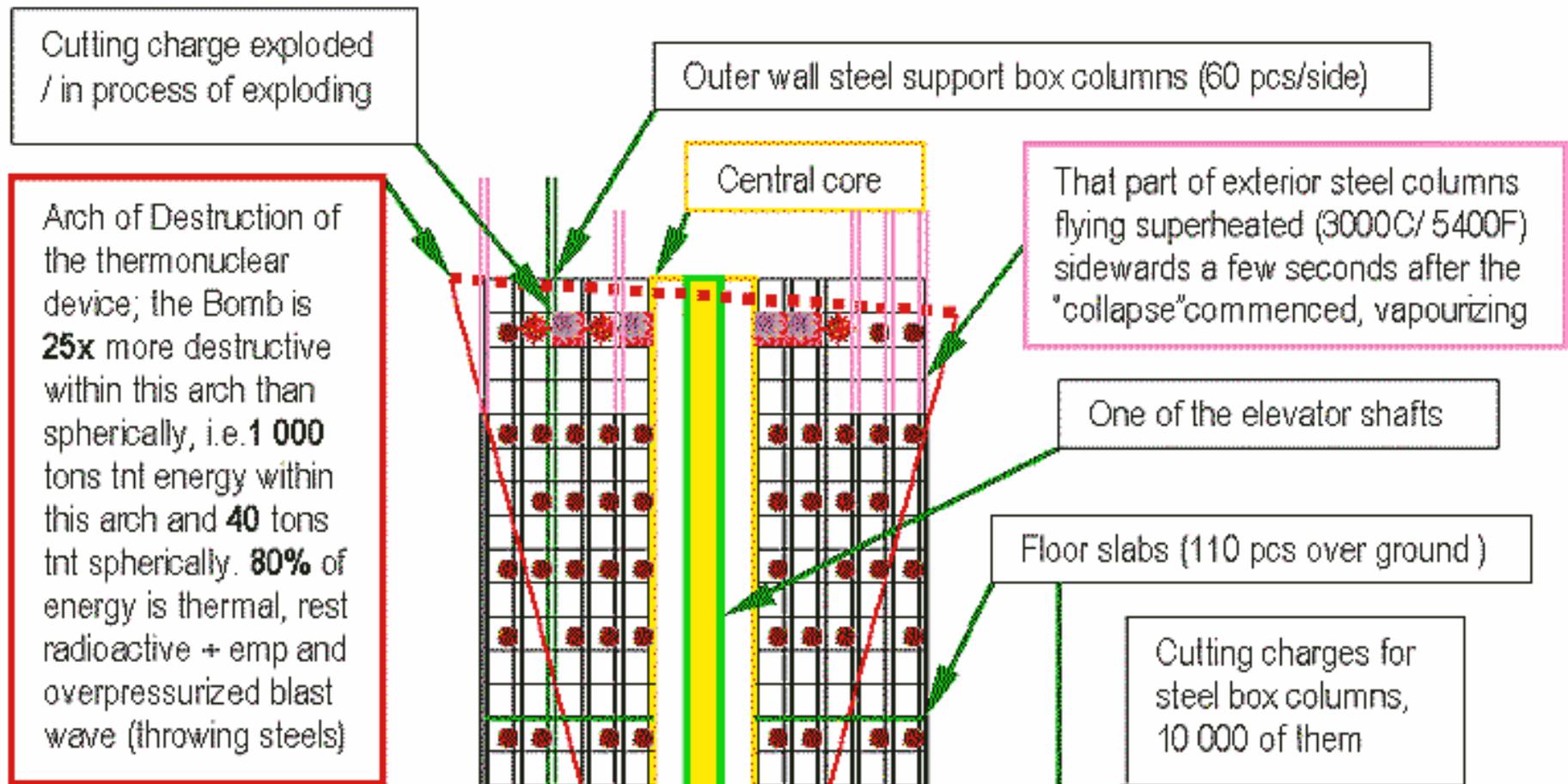
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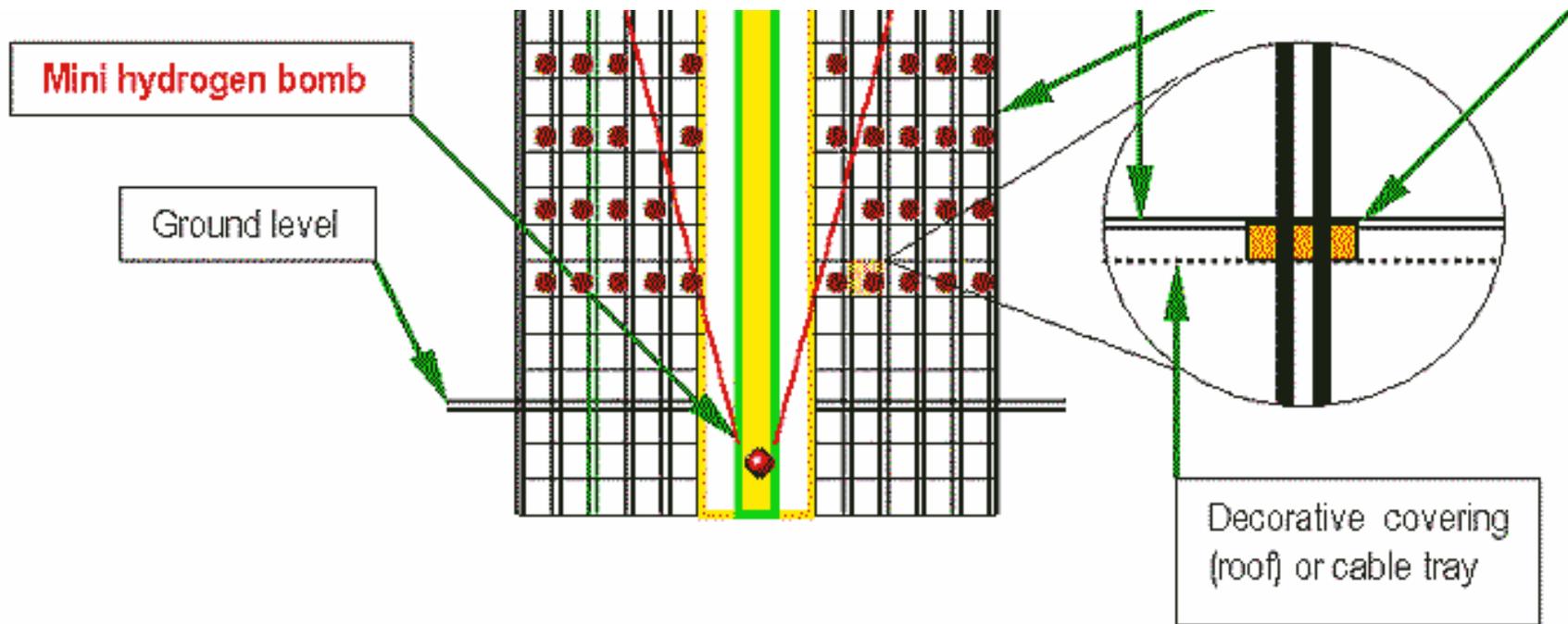
[UP](#)

Writings of a Finnish military expert

Bombs in the WTC

Note: This drawing is schematic only. Actual Towers were much taller and the observed arch of destruction for the directed-energy thermonuclear device was correspondingly more narrow.





The **Ground Zero** here was in the original sense of word, a nuclear blast site. The thermal energy may absorb heat at a rate of $10 \text{ E } 23 \text{ ergs / cm}^2 \text{ sec}$ and near the bomb all surfaces may heat to 4000 C or 7200 F igniting or vapourizing violently. Source: US Department of Defense & US Department of Energy, Glasstone – Dolan "The Effects of Nuclear Weapons" (1980).

The thermonuclear bomb used was a "pure" hydrogen bomb, so no Uranium or Plutonium at all. The basic nuclear reaction is $\text{Deuterium} + \text{Tritium} > \text{Alpha} + \text{n}$. The ignition of this is the Fine part, either with powerful beam array or antimatter (in a very certain way to get the necessary directed-energy effect, in order not to level the adjacent blocks of high-rise buildings, too).

Writings of a Finnish military expert

The development of bomb technology related to 911 operations

These outlines of developments in military bomb technology have been written to give a layman some idea, why bomb technology has developed as it is.

Hollow charge that made possible a small charge to put a hole in armour plate was invented in Switzerland 1937. A cutting charge, used in WTC in tens of thousands of pieces, was an evolution model of hollow charge principle from 1950's. Claymore, a weapon throwing steel balls towards enemy, but was otherwise harmless even from 5 meters distance, was developed in USA approximately 1960. Flank mine, which is able to direct a narrow pressure wave through AFV flanks from distances 20 meters and more was developed in Finland around 1970. Due to efficiency causes growing part of military explosives deploy improvements utilizing directed explosion energy. By controlling several layers of the explosion fronts the size of nuclear bomb has minimized during 1960's (fission – implosion). Next the control of explosion force in nuclear explosions was developed. Too strong explosion is sometimes unusable. For an example when enemies have broken too close to friendly cities.

While looking for a small size of a bomb with strong effect, a pure hydrogen bomb was obvious solution. When no atomic device is needed for igniting the hydrogen bomb size gets even smaller and the yield (effect) can be set in a wide range, for an example between 1 – 100. This succeeded in 1980's as well as the neutron bomb, which kills only the living things and leaves most of the material untouched. The former Soviet Union is said to have had more than 500 command centres durable for a small nuke. That led to developing of different types of bunker busters. A working solution is a nuclear missile that directs 96% of its yield into a thin, all penetrating heat+blast wave forward, tunneling hundreds of meters downwards into solid rock. This type of hydrogen bomb was developed sometimes in early 1990's. Nowadays in a tactical mini hydrogen bomb both the yield and the direction of destructive force can be somewhat controlled. The amount of fusion able

materials control the yield (effect) and the shape of the charge as well as the initiation arrangements impress the direction of the explosion wave.

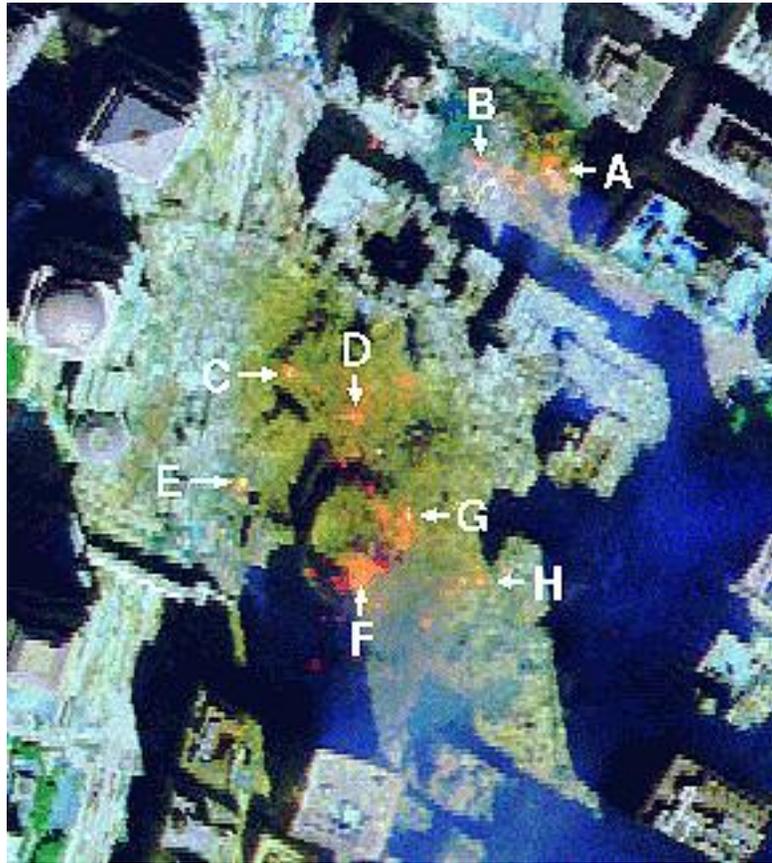
[Writings of a Finnish military expert](#)

Observations pointing to use of mini Hydrogen Bomb

- 1) The concrete pulverized into fine dust, 70...300 micron particles (just this could take more energy than the total gravitational energy available). Closer, see [Gehue plates 6](#) and [7](#)
- 2) Very energetic –hot– dust after the explosions (demolition charges would produce white clouds of dust, which would not move much, and gravity-driven collapse would produce much less and more coarse dust)
- 3) Brown shades of color seen in the air –these are produced by nuclear reactions of a thermonuclear device. The reactions use (gamma radiation –caused by free neutrons-, N_2 , O_2 , $H_2O >$ nitrid acid, NO_2 , NO_3). These clouds soon get their usual white color after some minutes as the clouds also cease to be hot and fast-moving, becoming ordinary clouds with some water.

Note: many of the pictures taken regarding WTC Towers and clouds seem to have been developed too blue, killing shades of brown (this may be an attempt to suppress the evidence). Also there was supposed to be 200 000+ gallons of water on the roof of each tower –this water was spilling into stairwells etc, but was later all converted into water vapour reducing the brown color.

- 4) Superheated steel objects, disintegrating into steel vapour. From locations of elevator shafts molten ponds of steel, was found. There were lots of burned cars in the parking areas of the towers. The fire department announces not until 12-19-2001, that the fires under the WTC rubble have been distinguished (more than 3 months after the incident). More, see ([Gehue plate 8](#))



location	F	C	name
A	1341	727	WTC7
B	1034	557	WTC7
C	1161	627	WTC1
D	963	517	WTC1
E	801	427	WTC3
F	1377	747	WTC2
G	819	437	WTC2
H	1017	547	WTC4

[The thermal survey](#) of the WTC 9-16-2001 (NASA /US Geological Survey).

Despite of fire department having cooled the rubble Aluminium would still melt in some sites 5 days after the incident.

5) Elevated values of Tritium in this area, but not elsewhere in New York. The University of California found elevated values on 9-13-2001 and 9-21-2001 within bounds of WTC. They found them harmless for health. In pure hydrogen bomb isotopes of hydrogen are fused ($D + T > n + a + 17.6 \text{ MeV}$).

6) EMP-type phenomenon blacked out gsm-phones at the moment, when the first (southern) tower started (to fall down), at the exact moment when mini-thermonuclear bomb was detonated. Even in electronic cams and videos a strange after glow is seen in late phase of collapse of both towers. Closer, see

[Gehue plate 5](#)

7) Pressure wave was witnessed in the root of the tower at the moment when so called collapse was progressing just about two hundred meters and nothing had fallen down to earth. The blast wave threw for an example a photographer, who was taking photos of dust cloud, down. Same as a fireman close to the entrance. Burst of the dust cloud on the root of the tower was photographed as well (the picture down below shows apparently the explosion of the WTC6 to cover up some mega class robbery).



8) In the cellar, from all of the 47 ultra strong steel pillars, the steel was melted completely more than over 20 meters length. Even cars were melted and burned in the cellar. Pillars in question, were far too thick for thermite, which some have suggested. An explosion of thermonuclear bomb explains the phenomenon well.

9) Steel columns and pillars were ejected in the surroundings of the building. In the beginning of the so called collapse, there exists no such energy that

could throw steel pillars outwards 60 to 175 meters from trunk. Even cutting charges cannot do that. The blast wave from a nuclear bomb is capable to do that instead.

[UP](#)

Beginning of winter in New York? The fine dust from pulverized concrete, asbestos and other materials is covering the quarter as a layer of several centimeters. That was not seen with any other blast before.



The destruction of the WTC

The layer of dust



The destruction of the WTC

Dust clouds energy need



The finer the material is being destroyed the bigger is the energy need for it. You will need ca. 1 kg of explosives for 100 tons steel or concrete with conventional explosions. This is sufficient for destruction into transportable pieces if gravity is used smart enough and gravity delivers 50% of the energy. With pulverization the energy need is 10 times larger. The help of gravity is almost meaningless in this case.

The complete mass of WTC 1, 2, 3 and 7 was about 1.4 million tons. This results into a need of 14 tons of conventional explosives. Modern military explosives are more efficient, of course.

© Karl Moor

The destruction of the WTC

Following fire and explosion damages

Behind the dust cloud more explosions take place and fires are starting. A lot of burned car wrecks can be seen. The dust cloud out of concrete and asbest had the effect of a giant fire extinguisher. The fires must have started afterwards. The subway tubes have partly crashed on a length up to 500 metres. On 12-19-2001 the fire department announces that all fires under the rubble have been distinguished. What has burned there for three months?





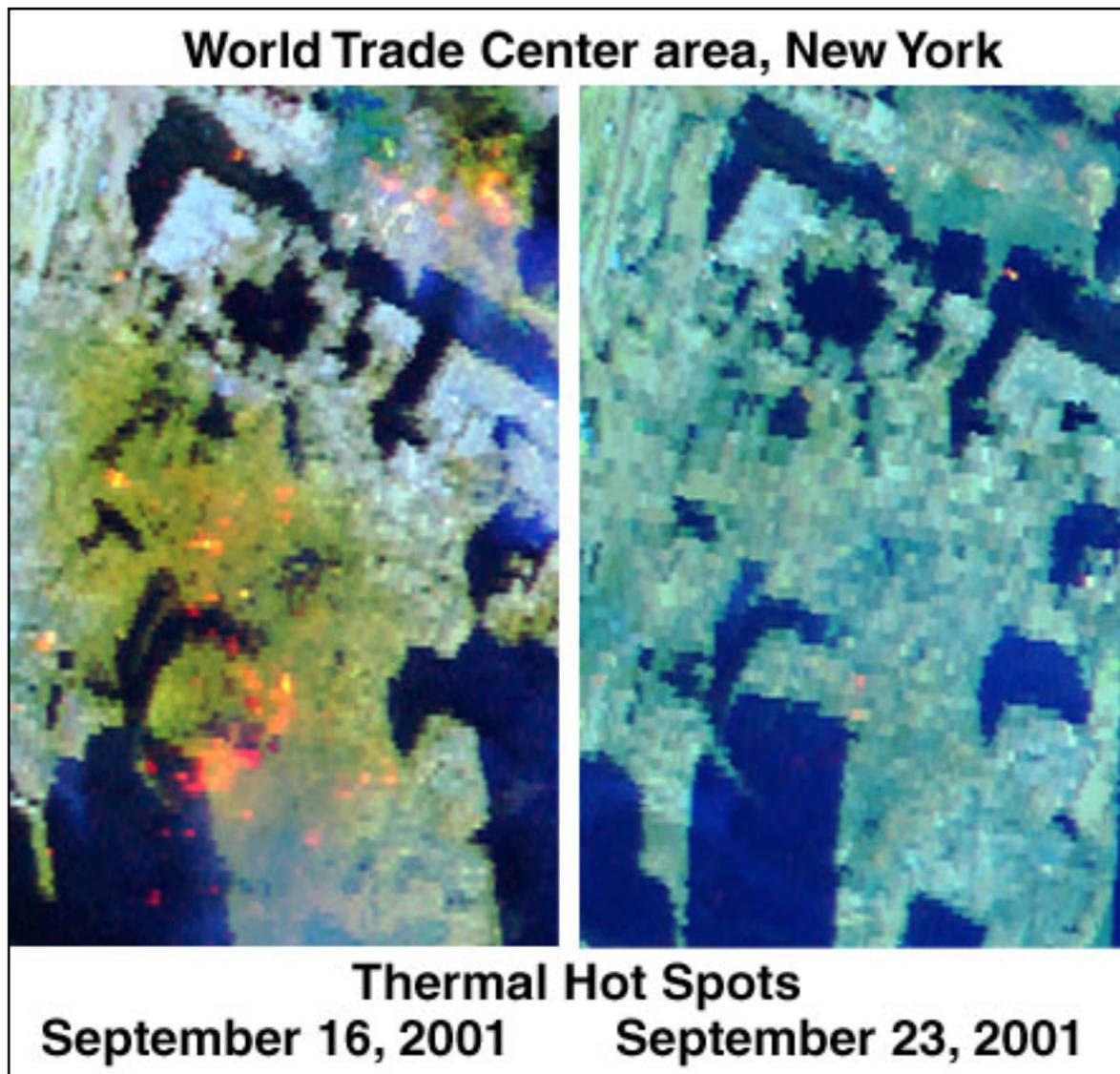
Images of the World Trade Center Site Show Thermal Hot Spots on September 16 and 23, 2001.

Results of Airborne Visible/Infrared Imaging Spectrometer (AVIRIS) remote sensing data and interpretations show the distribution and intensity of thermal hot spots in the area in and around the World Trade Center on September 16 and 23, 2001. Data collected on the 16th were processed, interpreted and released to emergency response teams on the 18th of September, 2001. The September 23 data were processed, interpreted and the results released on October 12, 2001. The images of the World Trade Center site show significant thermal hot spots on Sept. 16, 2001. By Sept. 23, 2001, most of the hot spots had cooled or the fires had been put out.

The AVIRIS instrument is a National Aeronautics and Space Administration (NASA) remote sensing instrument that measures upwelling spectral radiance in the visible through short-wavelength infrared. The instrument has 224 spectral channels (bands) with wavelengths from 0.37 to 2.5 microns (micrometers).

In response to requests from the EPA through the USGS, NASA flew AVIRIS on a De Havilland Twin Otter over lower Manhattan at mid-day on September 16 and 23, 2001. For these deployments, the Twin Otter was flown at altitudes of 6,500 and 12,500 feet. The spectral data for the maps shown here were measured at 6,500 feet and have a spatial resolution (pixel spacing) of approximately 6 feet (2 meters).

AVIRIS records the near-infrared signature of heat remotely. The accompanying maps are false color images that show the core affected area around the World Trade Center. Initial analysis of these data revealed a number of thermal hot spots on September 16 in the region where the buildings collapsed 5 days earlier. Analysis of the data indicates temperatures greater than 800°F. Over 3 dozen hot spots appear in the core zone. By September 23, only 4, or possibly 5, hot spots are apparent, with temperatures cooler than those on September 16 (Thermal Figure 1).



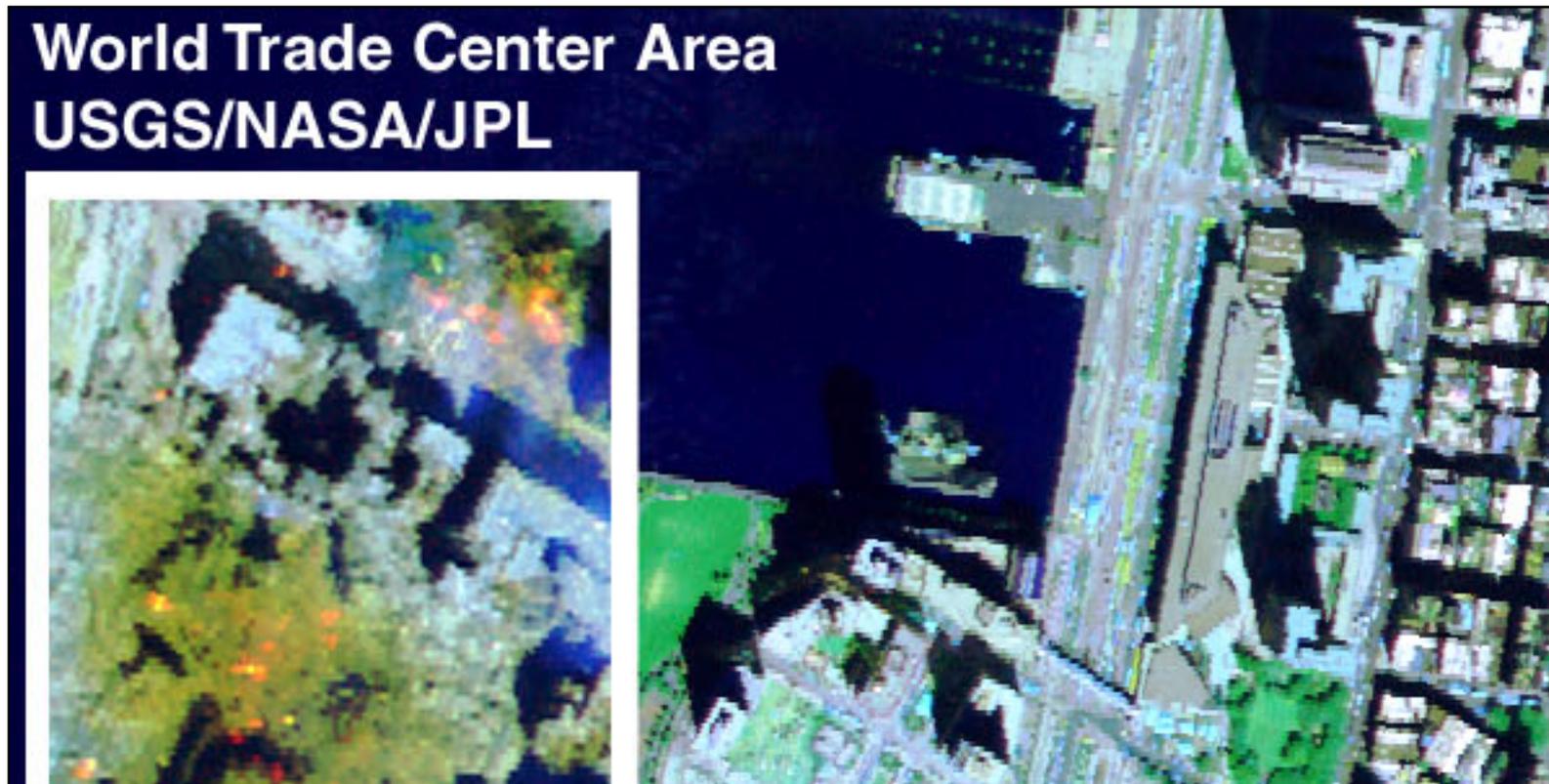
Thermal Figure 1. Hot spots show as orange and yellow areas. Dozens of hot spots are seen on September 16, but most had cooled or the fires had been put out by September 23.

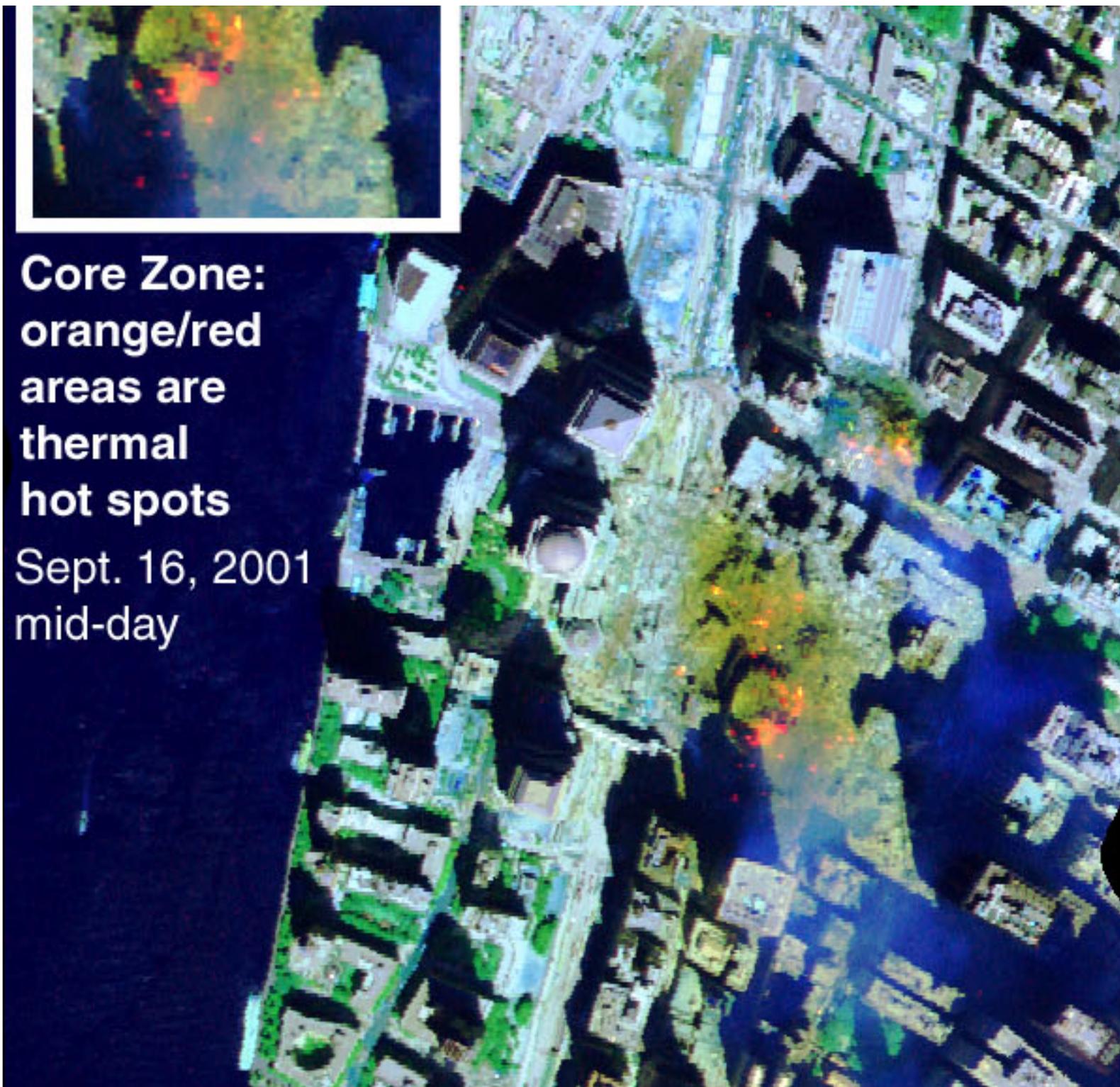
The images (larger area shown below) also show vegetated areas as green. Water appears blue, and the smoke from the fires appears as a light blue haze. White and lighter blue areas are rooftops, roads, and concrete as well as dust and debris from the collapsed buildings. Dust, probably more than a millimeter thick, appears in shades of brown around the core WTC area on the 16th.

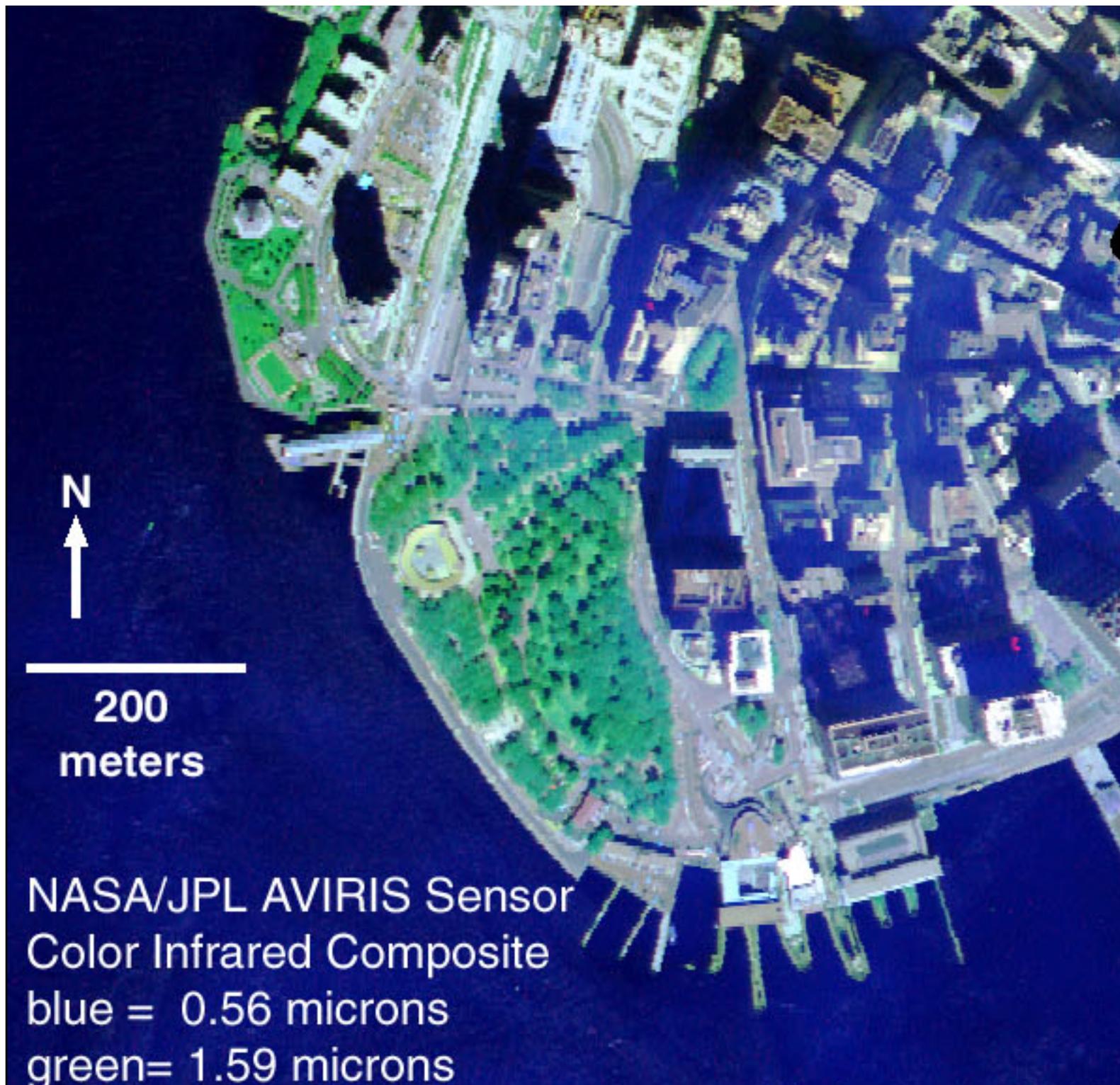
On the September 16th, 2001 image (Thermal Figure 2), large areas around the World Trade Centers show brownish colors, indicating the debris. On September 20, 2001 there was a significant rain storm that washed away some of the dusty debris. Reduction of the distribution of dust/debris is apparent in the September 23 image (Thermal Figure 3), and can be attributed to the cleanup effort along with the rain.

There are other red/orange spots that show in the images in the area south of the World Trade Center zone. These are hot spots from chimneys or heating exhaust vents and are normal and not other uncontrolled fires.

The AVIRIS data were processed at the Jet Propulsion Laboratory (JPL) in Pasadena California where the data are calibrated to radiance and corrected for aircraft yaw, pitch, and roll. Acquisition and calibration of AVIRIS data at JPL are under the direction of Robert O. Green. The data were then transmitted to the U.S. Geological Survey (USGS), Imaging Spectroscopy Group in Denver, Colorado, under the direction of Dr. Roger N. Clark. Atmospheric and ground calibrations were applied to derive apparent surface reflectance and maps were then made of surface materials. The USGS imaging spectroscopy group includes Dr. Gregg Swayze, Eric Livo, and Todd Hoefen.







red = 2.47 microns

Clark et al., 2001

Thermal Figure 2. AVIRIS image from September 16, 2001. Hot spots show as orange and yellow areas. Yellow is hotter than red (because of color mixing in the way the 3-color image was produced).

World Trade Center Area USGS/NASA/JPL

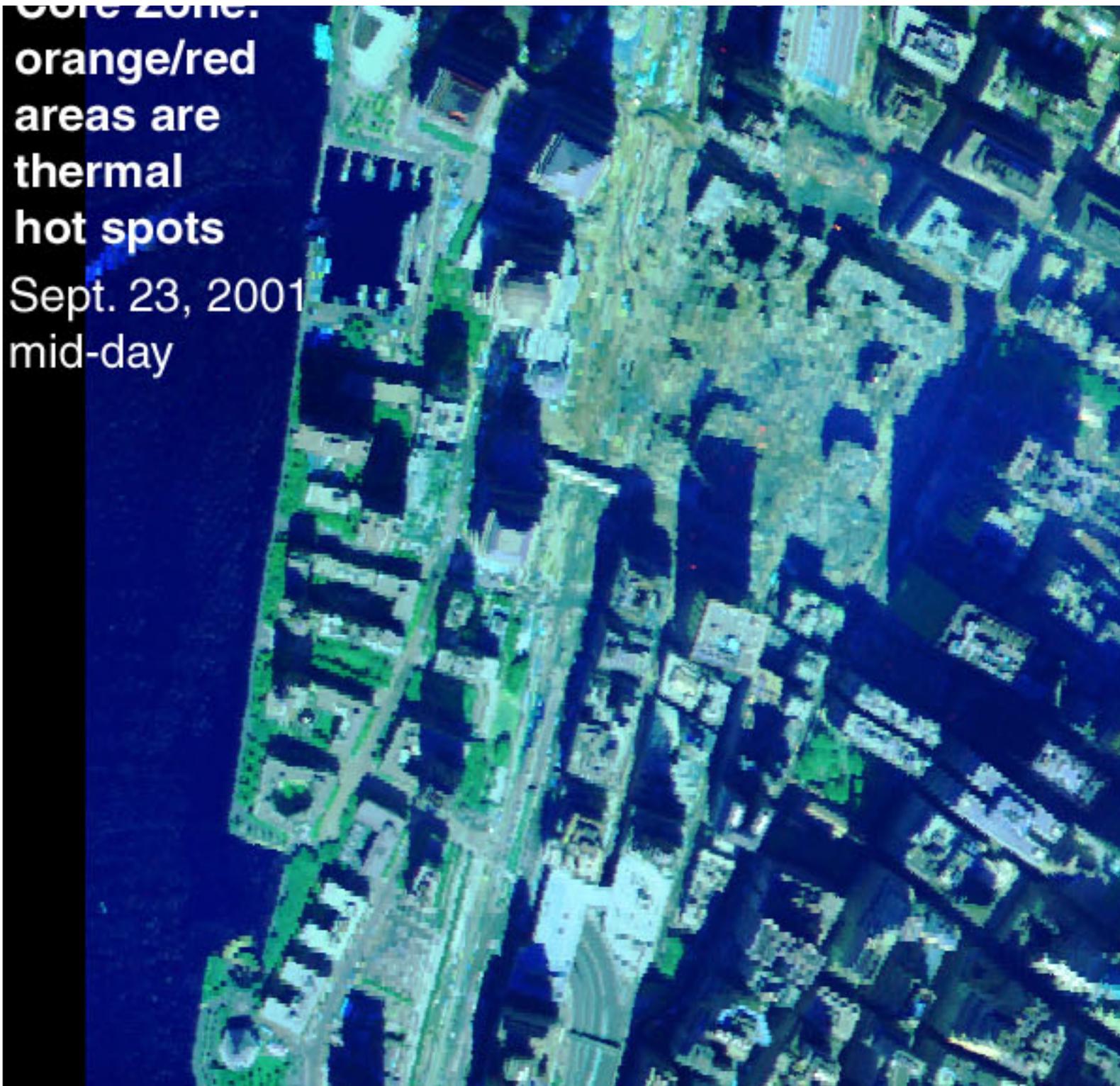


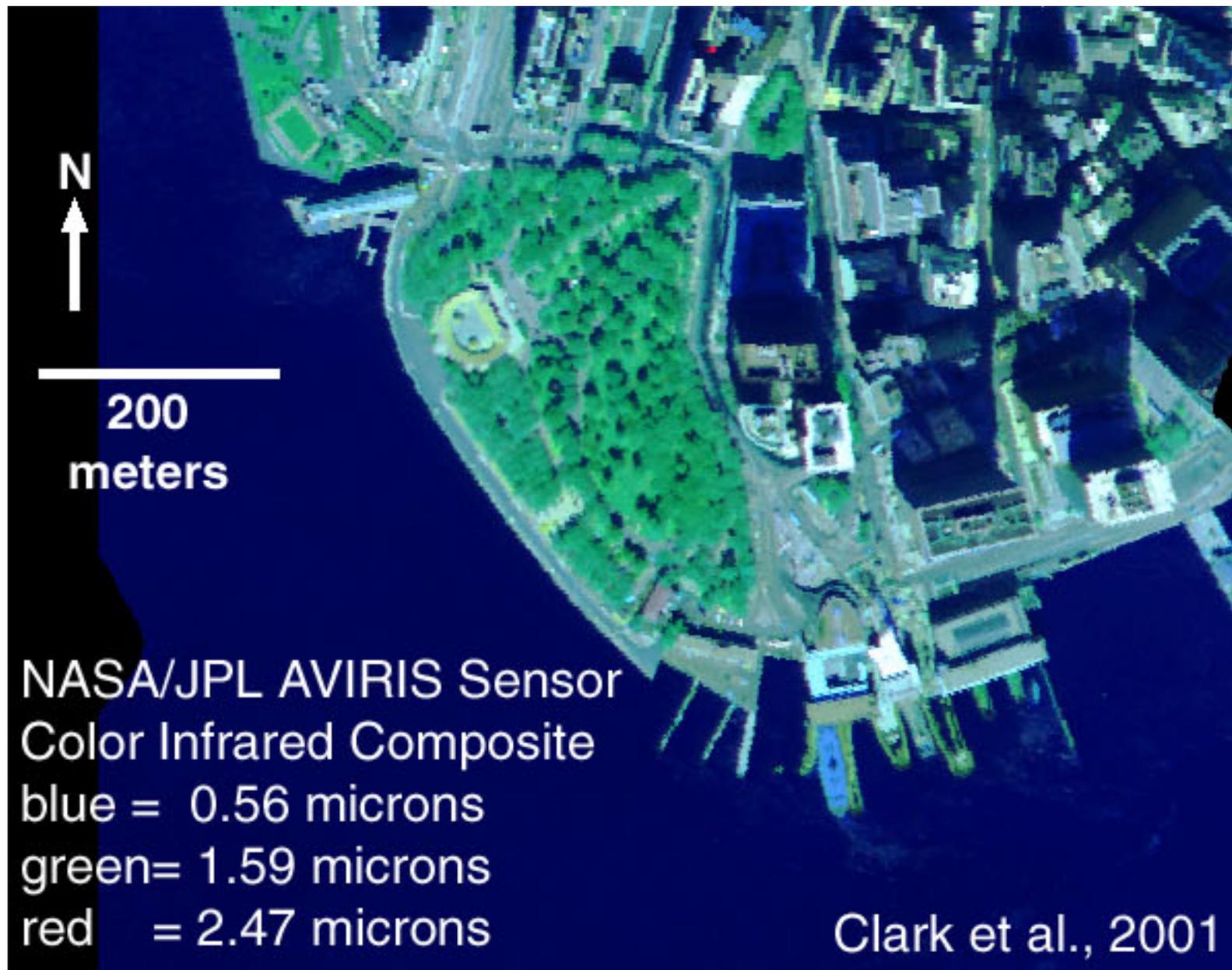
Core Zone:

Core Zone:

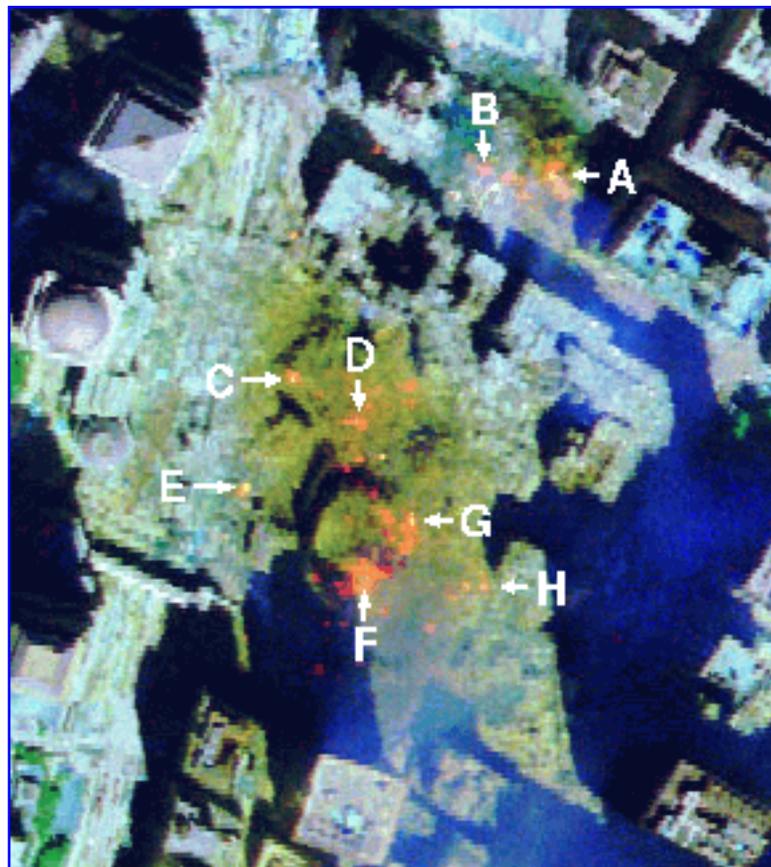
**orange/red
areas are
thermal
hot spots**

**Sept. 23, 2001
mid-day**





Thermal Figure 3. AVIRIS image from September 23, 2001. Only a couple of hot spots remain in view.



[Larger 254 KB image](#)

Thermal Figure 4. Index for the locations of some of the hot spots observed on September 16, 2001.

Temperature of the Hot Spots

Remote measurement of the temperature is difficult because the source of the thermal emission can be less than the field of view of the measuring instrument. In that case a thermal sensor has an ambiguous solution: a hotter temperature of a smaller area or lower temperature of a larger area can result in the same total received thermal radiation.

A spectrometer, however, overcomes the ambiguity problem above, because the shape of the thermal spectrum can be used to

derive a unique temperature, and the intensity gives the area of the emitting source. If a large enough spectral range is covered, a range of temperatures and the area of each can be derived. In the near infrared spectral range of AVIRIS, reflected solar radiation also contributes to the signal. The solution to the generalized problem involving all these effects is given in Clark (1979).

We derived temperatures using two methods: calibrated radiance, and derived reflectance following Clark's (1979) methods. In derived reflectance, thermal radiation is the Planck response divided by the solar spectrum. This has several effects: 1) the data are corrected for atmospheric absorption and scattering, 2) the reflected solar component can be readily assessed and compensated for, and 3) the ratio of the Black-Body response by the solar spectrum produces a very steep curve that is readily distinguishable from reflected sunlight and reflectance of surface materials.

Simple temperature derivation from derived reflectance is illustrated in Thermal Figure 5a and b. Here the hot spot is assumed to fill the pixel. The thermal response of hot spot A (from Thermal Figure 4) shows the AVIRIS response higher than the 800 kelvin curve. The 800 Kelvin temperature is a lower limit to the temperature. While the upper limit might be the 900 Kelvin curve, we see the slopes do not match. As temperatures increase, the peak in Black Body emission moves to shorter wavelengths and the slope of the curve decreases at positions on the short wavelength side of the peak (the case here).

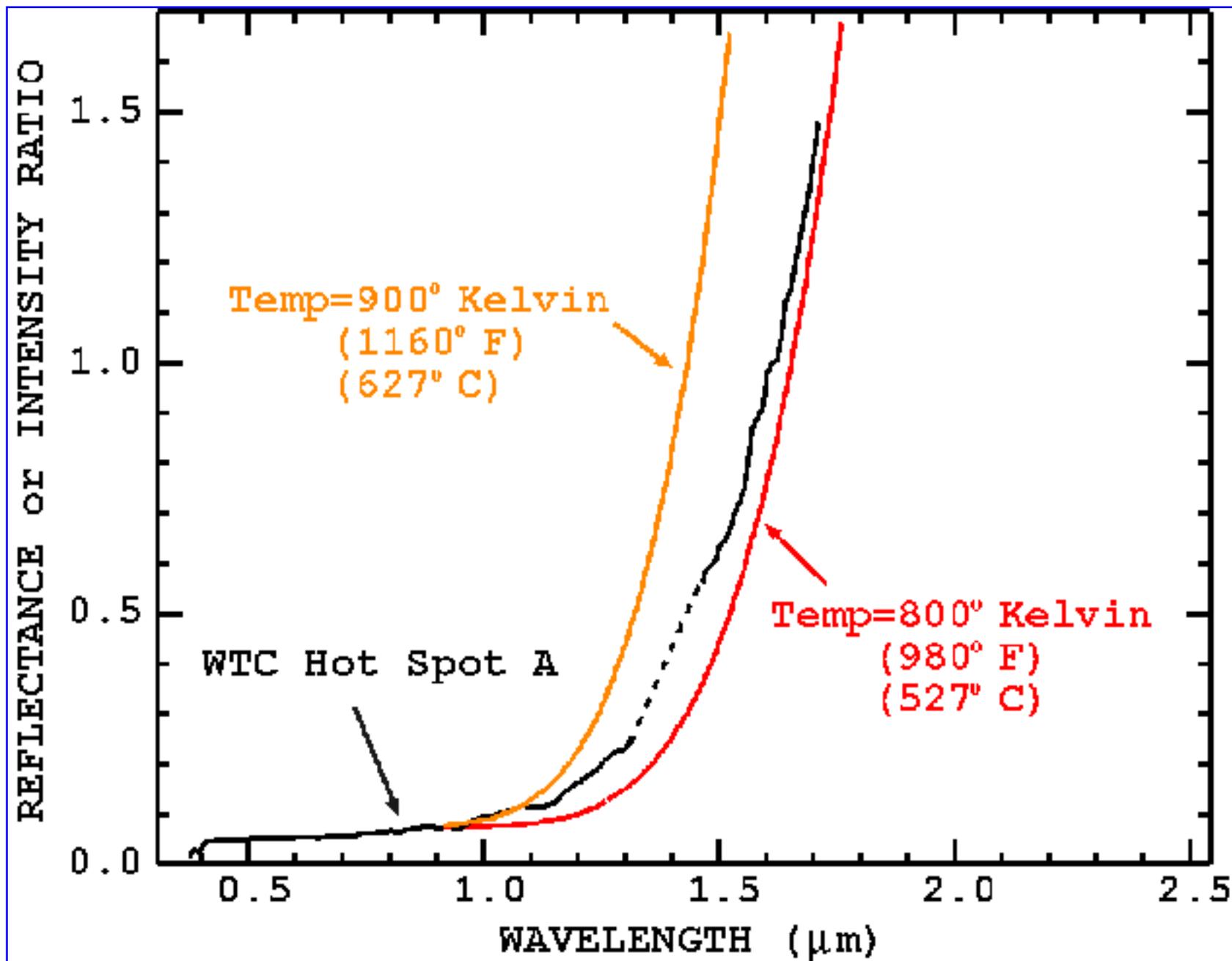
Hot spot C (Thermal Figure 5b) shows similar effects. For hot spots covering the full area of the pixel, the temperature must be greater than 700 Kelvin. At about 1.3 microns, the model at 800 Kelvin matches the AVIRIS data, but the 800 Kelvin curve has a higher slope. This indicates the hot spot is smaller than the size of the pixel, but hotter than 800 Kelvin.

Solutions that include reflected solar radiation, hot spot temperature and hot spot area are shown in Thermal Figures 6a and b. Hot spot A, which from Thermal Figure 5 has a temperature greater than 800 Kelvin, is found to have a 1000 Kelvin temperature in a spot covering ~15% of a pixel, or 0.56 square meter. Similarly, hot spot C is found to have a 900 kelvin temperature over 20% of a pixel, or 0.8 square meter.

The sensitivity of the solution of area and temperature is illustrated in Thermal Figure 7. An excellent fit is obtained for hot spot C with a 900 Kelvin spot filling 20% of the pixel. At 1000 Kelvin, only 8% is required but the fit is noticeably worse. For temperatures in the 800-1000 Kelvin range, temperature accuracy is estimated to be ± 30 Kelvin and the area $\pm 5\%$. For smaller spots, like spot G in Table 1, the temperature accuracy is similar, but the accuracy on such small areas is approximately $+5\%$, -0.5% . For example, decreasing the temperature to 1000 Kelvin (from 1020 Kelvin) on spot G increases the fractional area to about 5%.

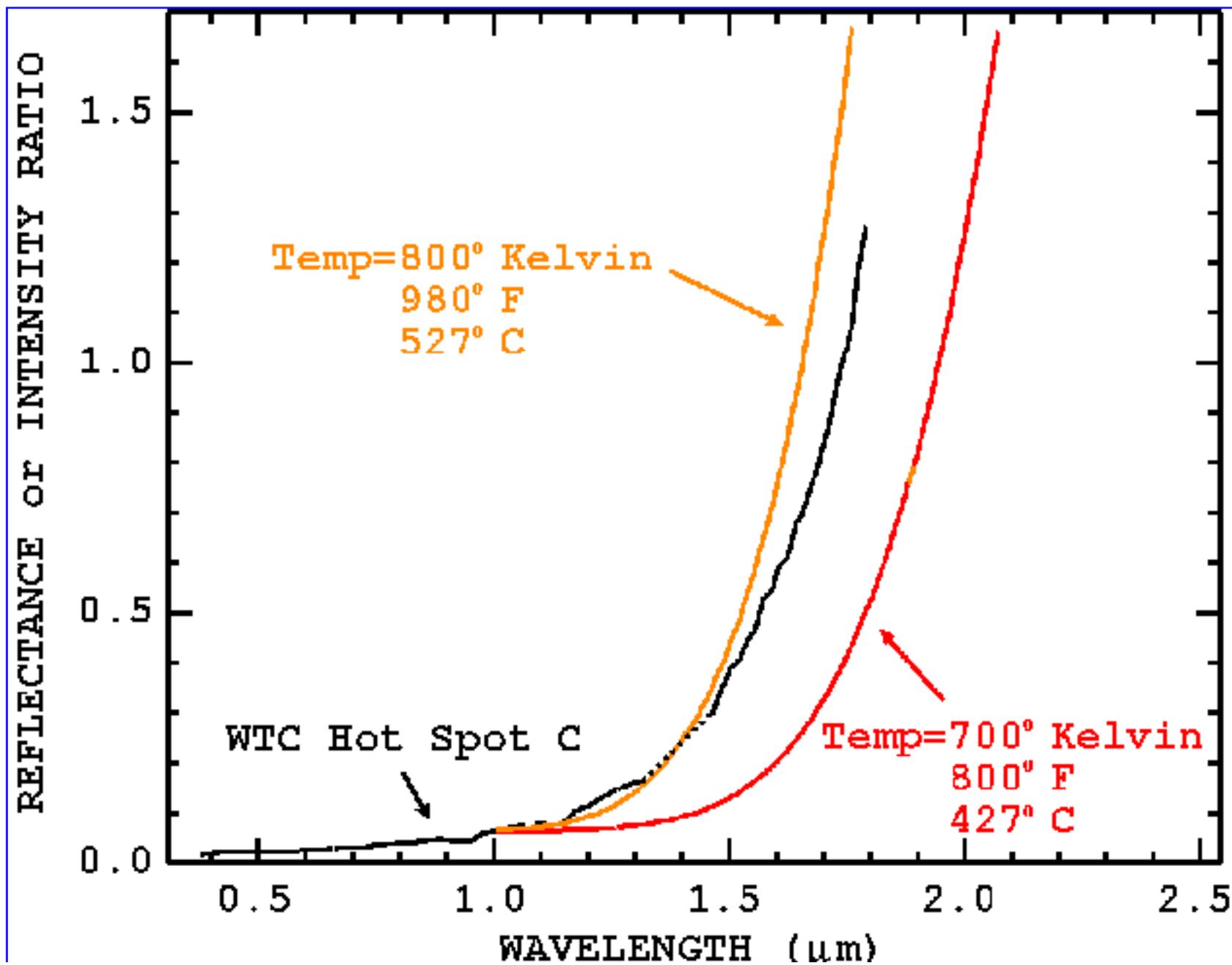
Positions, temperatures and equivalent areas for hot spots A-H are given in Table 1 and the geometrically rectified location map

is shown in Thermal Figure 8.



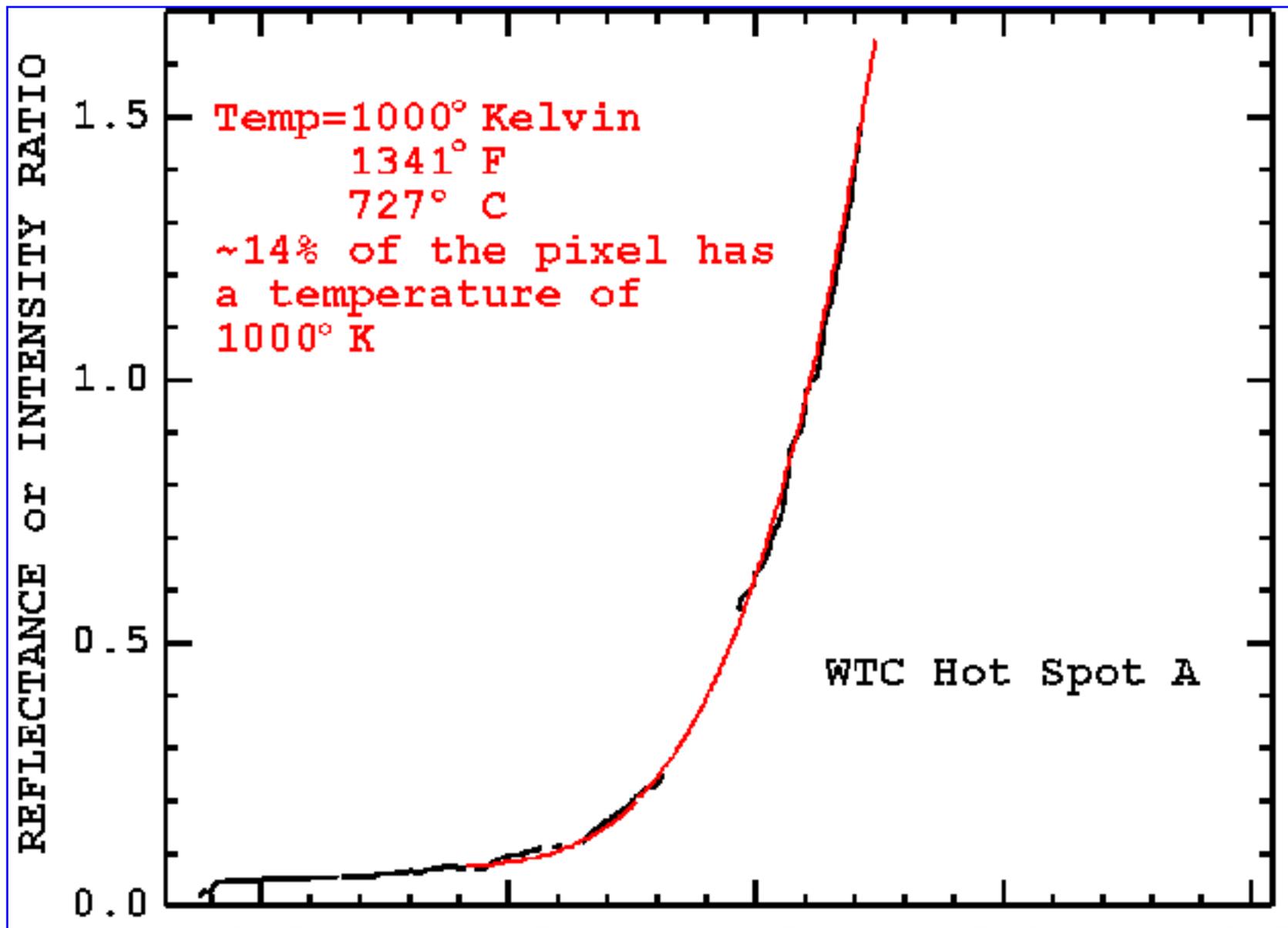
[Larger 16 KB image](#)

Thermal Figure 5a.



[Larger 15 KB image](#)

Thermal Figure 5b



0.5

1.0

1.5

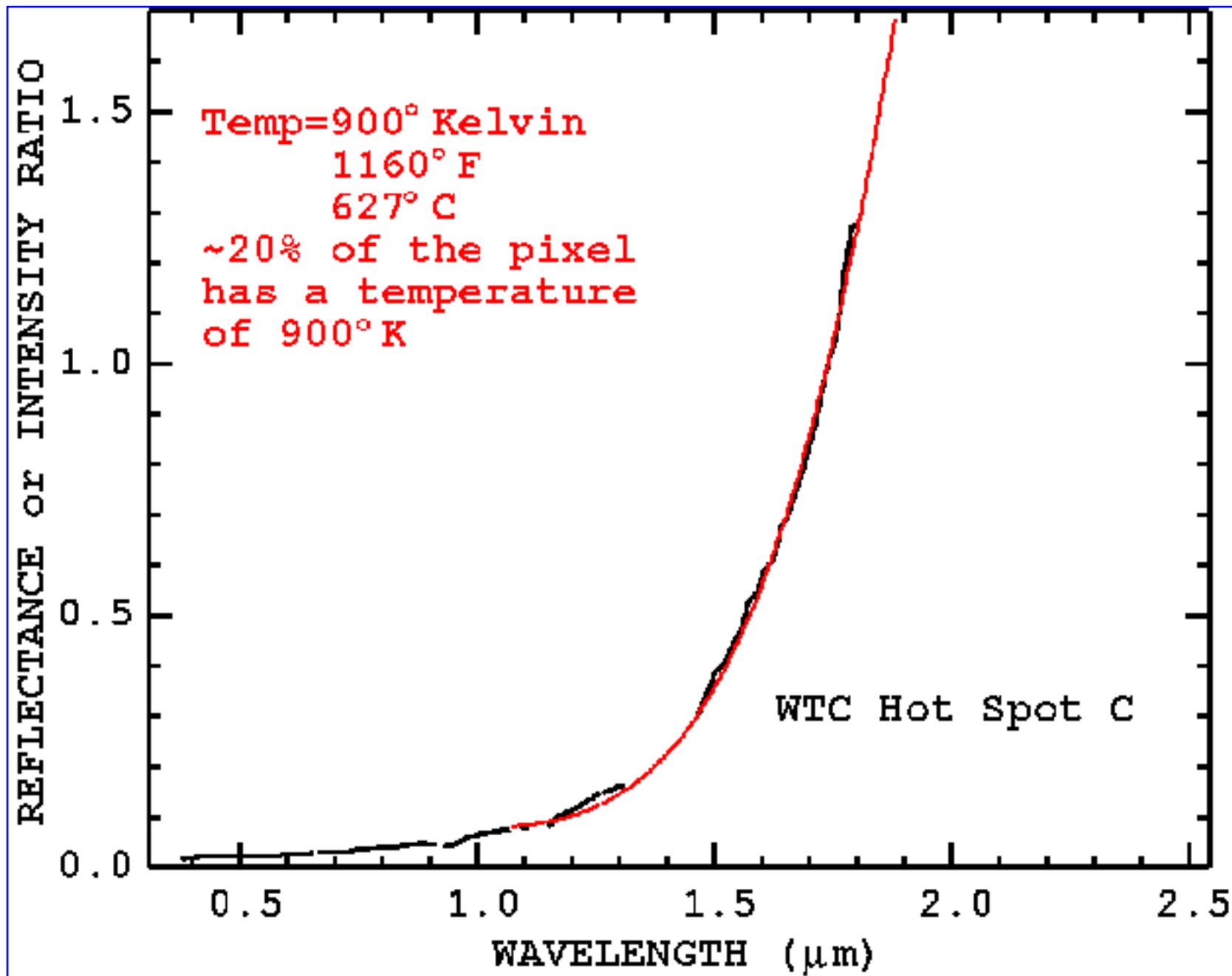
2.0

2.5

WAVELENGTH (μm)

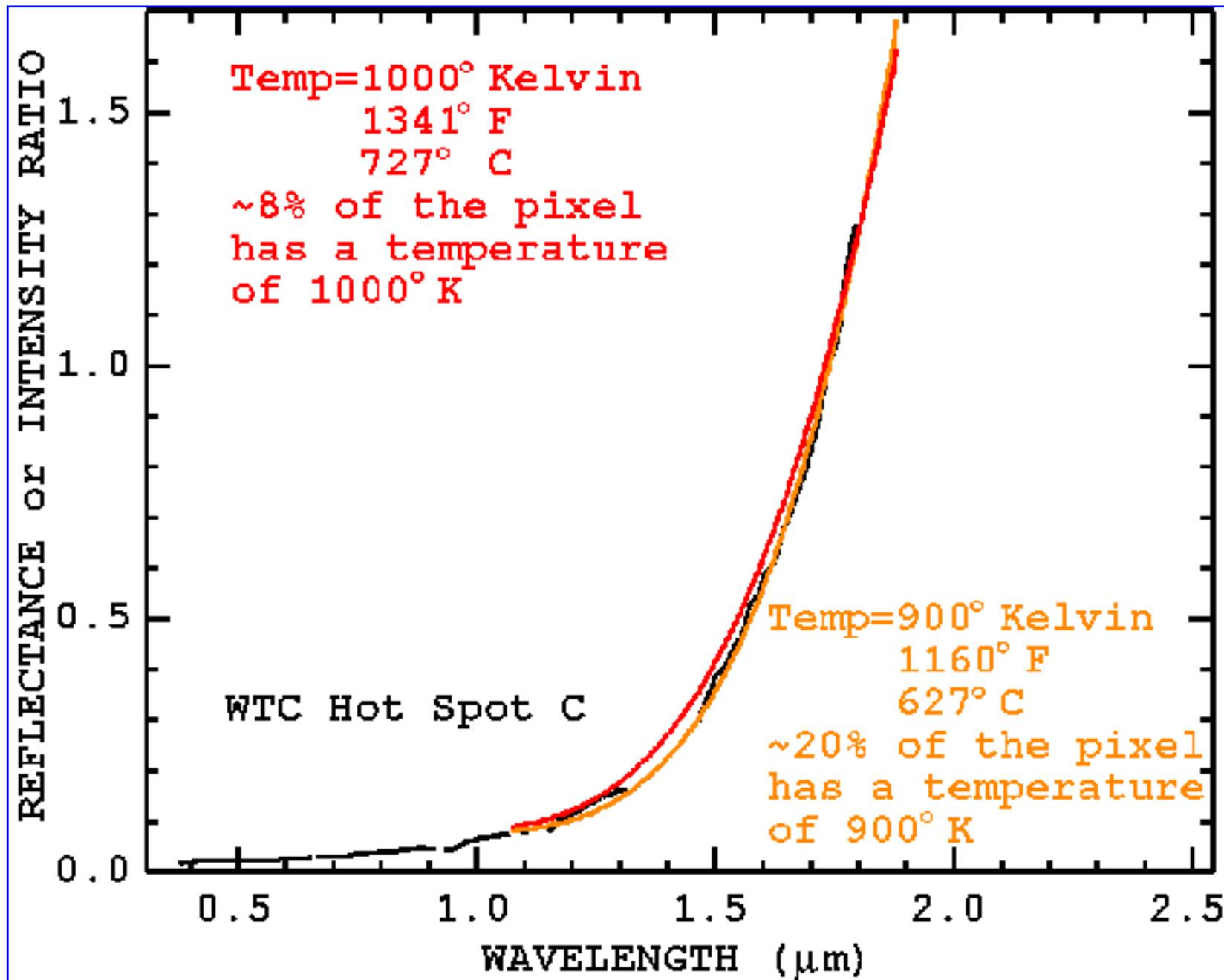
[Larger 13 KB image](#)

Thermal Figure 6a



[Larger 13 KB image](#)

Thermal Figure 6b



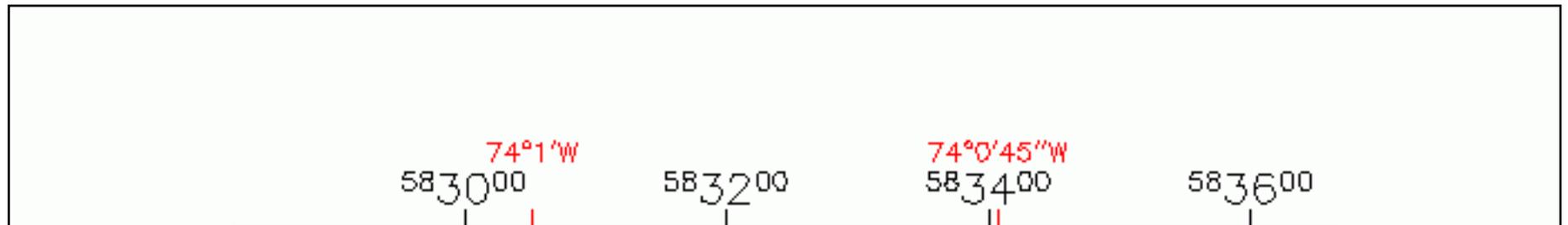
[Larger 16 KB image](#)

Thermal Figure 7.

Table 1 Thermal Hot Spot Data

Hot Spot	Location		Temperature	Area	
	N Latitude	W Longitude	(Kelvin)	% FOV	sq meter
A	40° 42' 47.18"	74° 00' 41.43"	1000	15	0.56
B	40° 42' 47.14"	74° 00' 43.53"	830	2	0.08
C	40° 42' 42.89"	74° 00' 48.88"	900	20	0.8
D	40° 42' 41.99"	74° 00' 46.94"	790	20	0.8
E	40° 42' 40.58"	74° 00' 50.15"	710	10	0.4
F	40° 42' 38.74"	74° 00' 46.70"	700	10	0.4
G	40° 42' 39.94"	74° 00' 45.37"	1020	1	0.04
H	40° 42' 38.60"	74° 00' 43.51"	820	2	0.08

Positions are in degrees-minutes-decimal seconds, datum WGS84.
Position accuracy is estimated to be approximately +/- 6 meters (18 feet).



Color Coded Hot Spots on B/W Image Background
UTM projection, zone 18
NAD-83/WGS-84 datum, 1.7 meter pixels


lower temp. scale higher

[Click here for 180 KB geo-tif image](#)

Thermal Figure 8. Geometrically rectified image of the WTC core region showing hot spot locations.

Additional temperature analysis: ftp://popo.jpl.nasa.gov/pub/outgoing/WTC_AVIRIS_HOT.htm

[NEXT PAGE of Report: Asbestiform Minerals Map](#)

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Robert O. Green

AVIRIS Experiment Scientist

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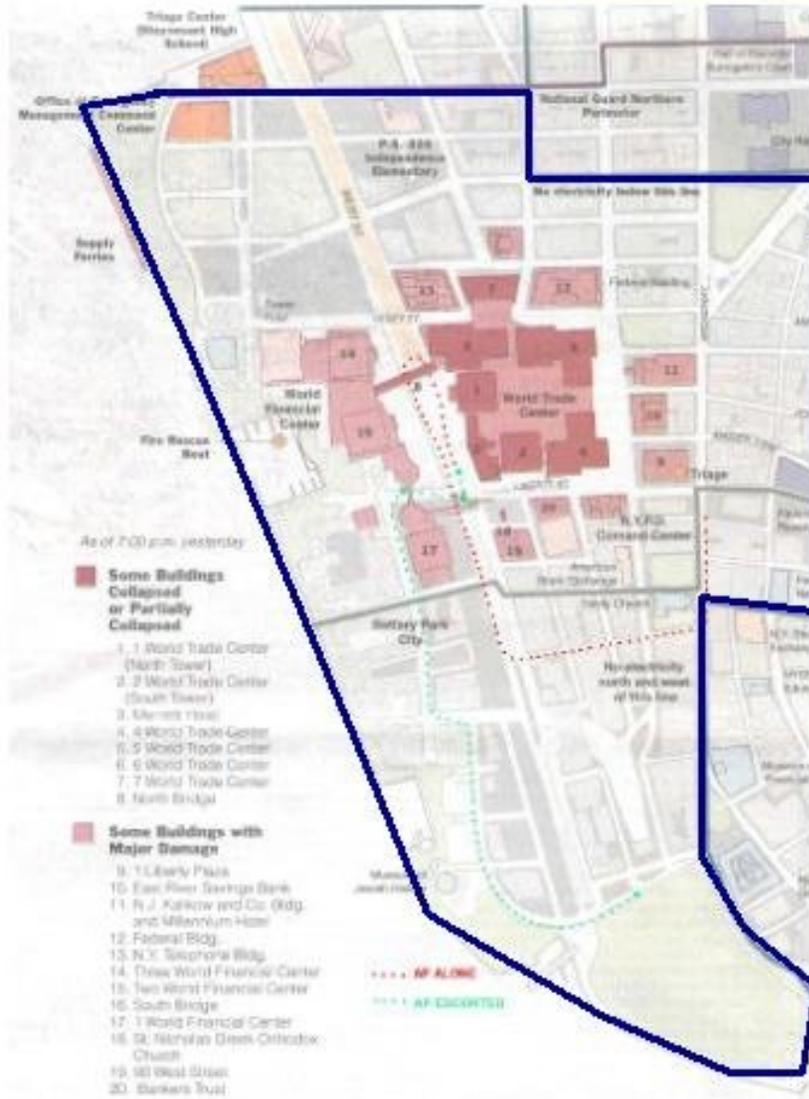
Last Modified: Tue Sep 23 11:14 EST 2003

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The destruction of the WTC

Map with boundaries of power outage



power outage in this area

Also almost all telephone lines were interrupted, likewise fax, email, webcams, etc. The reinstallation took place until December.

On 9-11 the walkie-talkies of the New York fire department didn't work. Therefore it was not possible for the commander to get his men out of the buildings in time. A similar outage was seen with the bomb attack in 1994.

Lower Manhattan was separated in those hours completely from the outer world.

How could that come?

© Karl Moor

[Writings of a Finnish military expert](#)

View of a military expert: why did the towers of World Trade Center collapse

The airplanes did not have true effect on the destruction of towers, they were needed to give an excuse for odd orwellian war scenarios in the same time when USA was turned to a police nation much like nazi-Germany was. Towers handled well an impact of a crushing Boeing 767, they were originally built to handle an impact of quite same sized Boeing 707, widely used in the 70's.

Fires that started from the fuel in the planes, were too short lasting and weak to be able to severely damage the structure of the skyscrapers. Even in the best possible situation heat from a kerosene fire can not threat durability of a steel trunk: With carbohydrates temperature reaches only 825 C, steel weakens at 800 C and melts in 1585 C. In the skyscrapers of WTC the surroundings were not at all ideal, steel columns were far too many and they led heat away from the burning area. WTC1 burned 102 minutes and WTC2 56 minutes only. A fire burning much longer, 10 - 20 hours could slowly increase the burning temperature to perhaps 1100 C. Provided there is more matter to burn such a fire will damage concrete and irons, but still not heavy steel constructions severely



In mid February, in Madrid, the Windsor tower (see above) burned over 20 hours, which

led to a fire stronger and hotter than that in WTC, but even there the collapses were minimal and limited in the upper floors. If the WTC tower had started to collapse – which did not occur - the collapse would have limited in few floors and then stopped. Impossibility of gravitational collapse is closer seen in an article from Dr. Tech. Heikki Kurttila. A collapse would produce large pieces, and does not explain reports of witnesses like fine dust from concrete, huge amount of dust and outwards ejected pieces of steel.

Destruction of towers by explosion is clear according to the photographs and reports of the eye witnesses. In the picture down below, in the down left sector a range of cutting charges have just exploded and a typical white cloud is formed outwards from the wall. Down right, explosions are seen as well, even a flame is seen from one of the explosions.



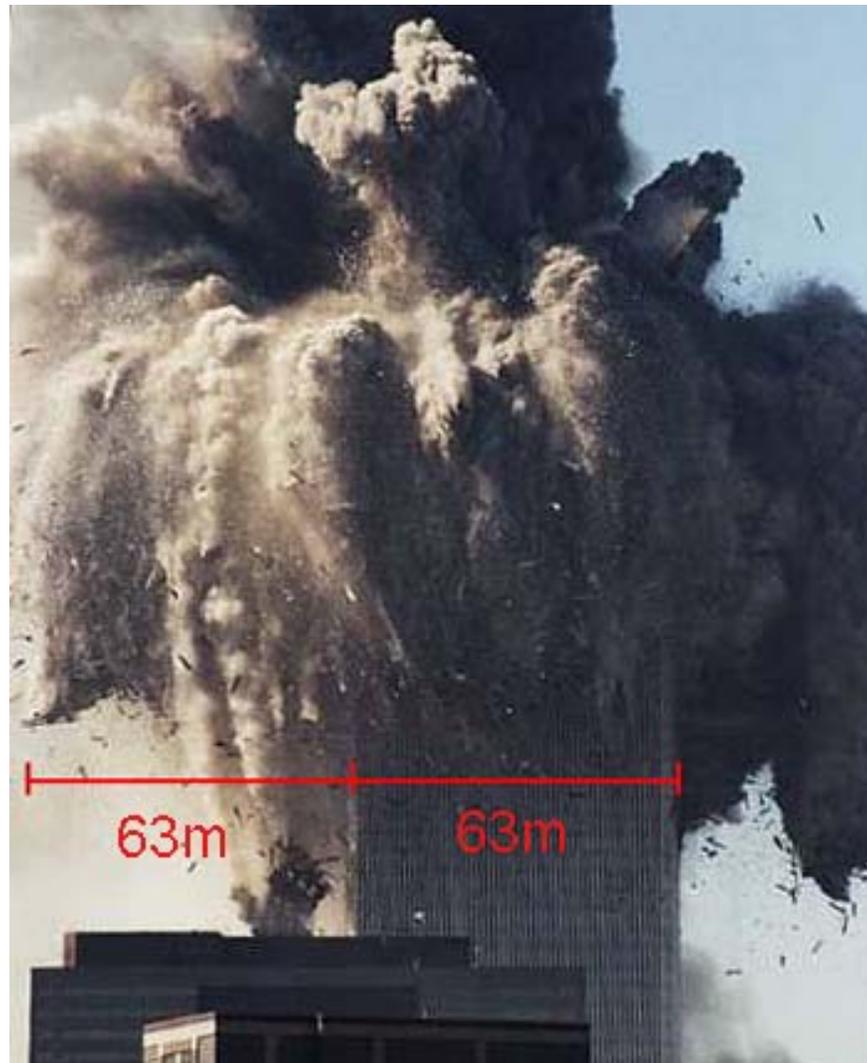
In videos taken from so called collapses of WTC, more explosions of these cutting charges are seen. The explosions advance quickly, with a gap of a couple of floors, cutting the strong steel pillars in outer wall. The explosions are timed so that it appears that the tower is collapsing in the same timing as in a gravitational collapse. The explosions are not completely synchronized in timing, probably a few charges are triggered by radio and other charges explode from impulses of one of these charges (infrared, pressure wave).

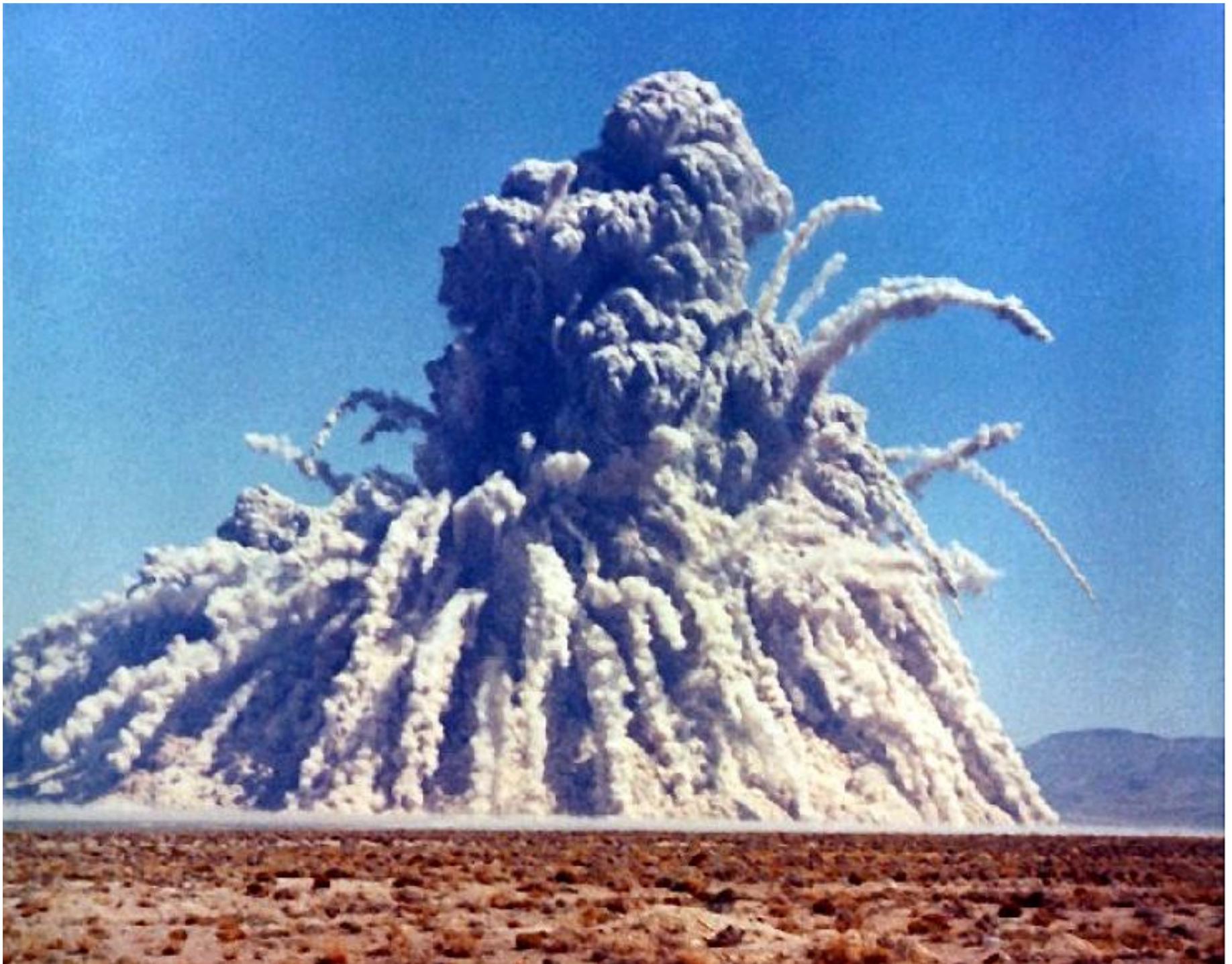
More challenging problem to the demolition men than the outer structure is the central core of the building with its 47 steel pillars far stronger than those in outer walls. Those pillars were made from steel even 100 + 100 mm thick in the cellar, that is thicker than

the side armour of a battle tank. Cutting those, even with explosives is extremely difficult. One should surround the whole pillar with strong cutting charges, meaning every single pillar on every floor intended to get blasted. These charges should be placed in such a way that the users of skyscrapers would not attend these preparations of mass murder.

As seen in the following pictures, the core of the towers were not distracted by thousands of strong cutting charges, but by a modern thermonuclear explosive, a mini hydrogen bomb. In the picture down below, a hydrogen bomb explosion, placed in the cellar and directed to the core, has reached the roof of the tower and upper parts of the outer walls. In its way upwards the heat and pressure waves partially penetrated about 100 floors of concrete and steel. Ten million+ degrees of heat from a hydrogen bomb sublimised all water within concrete in a moment. Water exploded momentary into 24-fold volume and totally pulverized the concrete. Even people and computers that were there disappeared into heath and light, that is why almost nothing of them was foud in the ruins.

Burning radiation is absorbed in steel so quickly that steel heats up immediately over its melting point 1585 C and above its boiling point around 3000 C. In pictures down below super hot groups of steel pillars and columns, torn from wall by pressure wave, are sublimized. They change from solid immediately to a vaporized form binding heat as quickly as possible. Even bursts upwards are visible in the picture below, not possible for a gravitational collapse or for cutting charges which are used horizontally.





Storax Sedan 104 Kt shallow underground

In the upper picture the explosion is 100 times stronger than on a down below in theory, but in practice the difference is only 4 times, due to direction of the mini hydrogen bomb.



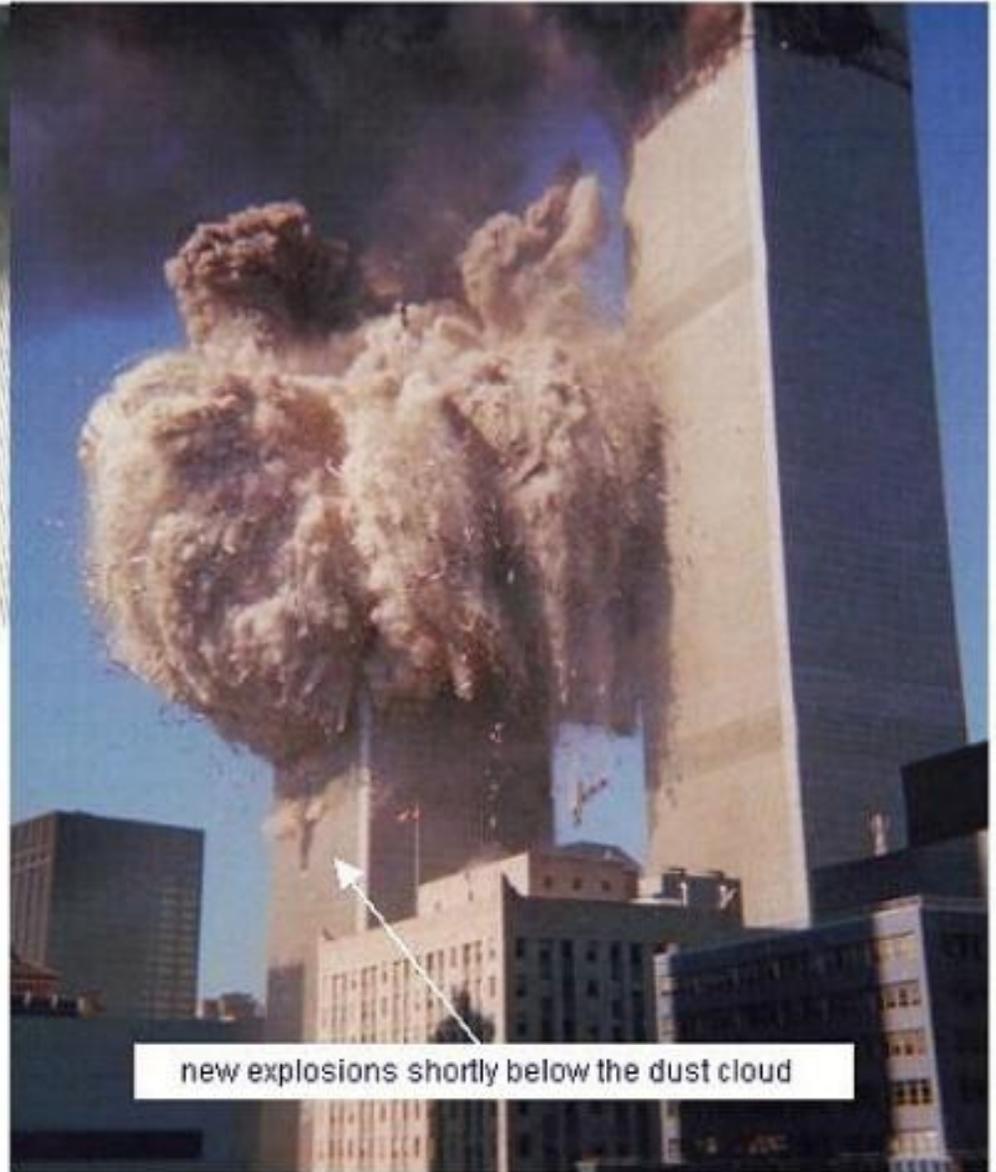
The destruction of the WTC

WTC 2 - new explosions



new explosions below the level of breaking.

On the left image the upper part is a whole piece. Seconds later the tilted position is corrected i.e. the upper part is pulverized. After that the pulverization of the stable standing trunk from above downwards is going to take place by continuing explosions - without any pressure form above because the upper part has already been pulverized.



new explosions shortly below the dust cloud

In picture on right, the brown shades caused by hydrogen bomb are seen, while the top of the tower that is already collapsing is breaking down and the posture straightens up when the hydrogen bomb pulverized the core and it lost all its resistance. Piles point

the blasts
of cutting charges. ([Gehue plate 12](#))



September 11, 2001

Photo © 2001 Bill Biggart



Steel pillars are turned to dust.

Super hot, sublimating pieces
are not created by many ways.



For comparison pictures from subterranean nuclear explosions where the explosion is blasting onto surface and into air.



Ess1.2 Kt



WTC-2



Banberry 10 Kt underground

Radioactivity in air creates shades of brown (subterranean nuke in picture on the right is 10 times stronger than the mini nuke in left). This is the reason why FBI was not searching the crime scene, ground zeros of nuclear weapons are health risk and belong to FEMA.

[UP](#)