

**POST-9/11 AVSEC INCIDENTS:  
HIGHLIGHTING THE NEED FOR A COMPREHENSIVE  
APPROACH**

**PRESENTED BY:**

**PHILIP BAUM**

**MONTREAL: 12 SEPTEMBER 2011**



**GREEN LIGHT LTD.  
AVIATION SECURITY TRAINING &  
CONSULTANCY**

## 21 FEBRUARY 1931: PERU THE 1ST HIJACK



③ AREQUIPA, PERU

③ CAPT. BYRON RICKARDS

③ ...ALSO FIRST CAPTAIN TO  
BE HIJACKED TWICE!

③ TRADITIONAL HIJACKING →  
METAL DETECTION

③ AERIAL SABOTAGE →  
HOLD BAGGAGE  
SCREENING

③ SUICIDAL TERRORISM →  
COCKPIT DOORS &  
FOCUS ON “SHARPS”





**UNITED** THANK YOU FOR IDENTIFICATION IS MILEAGE PLUS: 607

MARCIN/HILDA MS

11SEP TU ✈ UNITED NEWARK SAN FRANCISCO

FLIGHT: 93 CI  
DEPART: 800A  
ARRIVE: 1114L

ED RANCISCO  
FLIGHT:  
DEPART  
ARRIVE

Do not expose to excessive heat or direct sunlight.

STAPLE HERE

INSERT

PRINTED IN U.S.A. BY MANHATTAN TICKET LABEL CORP., DALLAS, TX 75240



# WHICH WERE THE 12 MOST SIGNIFICANT ATTACKS POST-9/11?



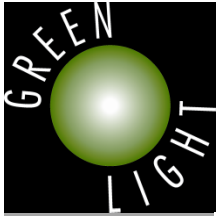


265A-85-89704  
Size 13 Men's Hiker  
Semtex 1A  
Detonating Cord

**SAVED BY:**

**LUCK**





22 DECEMBER 2001: AA  
RESULT





# 7 MAY 2002: CHINA NORTHERN BEIJING-DALIAN



🎯 ZHANG PILIN

🎯 7 INSURANCE POLICIES  
(c. \$170,000)

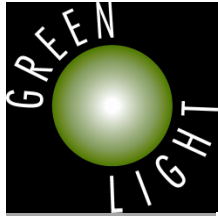


**FAIL!**





**NO GLOBAL CHANGE  
IN POLICY**



28 NOVEMBER 2002: ARKIA  
MOMBASA-TEL AVIV



**SAVED BY:**

**LUCK**



28 NOVEMBER 2002: ARKIA

RESULT



**ALMOST!**





29 MAY 2003: QANTAS  
MELBOURNE – LAUNCESTON

**SAVED BY:**

**AIRCREW**





**NO GLOBAL CHANGE  
IN POLICY**



③ 2 FLIGHTS DESTROYED WITHIN  
3 MINUTES

③ BOTH DEPARTED MOSCOW  
DOMODEDOVO AIRPORT

③ CHECHEN BLACK WIDOWS



**FAIL!**



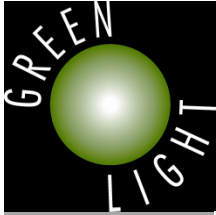
**NO GLOBAL CHANGE  
IN POLICY**



29 SEPTEMBER 2004: KATO AIR  
NARVIK-BODO



**SAVED BY:**  
**AIRCREW**



**NO GLOBAL CHANGE  
IN POLICY**

- ③ Limitations of Carry-On  
Baggage
- ③ Bans & Limitations on  
Liquids, Aerosols & Gels
- ③ Queues at Security  
Checkpoints





# LIQUID EXPLOSIVES: THE “NEW THREAT”

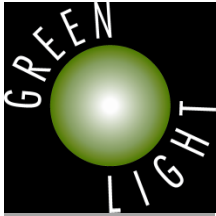
© 1987: Korean Air 858: 115 killed



© 1994: Philippine Airlines: Oplan Bojinka

© 1933: United Airlines: 1<sup>st</sup> confirmed act of aerial sabotage used nitroglycerine





3 OCTOBER 2006: THY  
TIRANA-ISTANBUL

**SAVED BY:**

**AIRCREW**





**NO GLOBAL CHANGE  
IN POLICY**

**SAVED BY:**

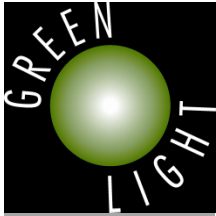
**LUCK**





**NO GLOBAL CHANGE  
IN POLICY**





7 MARCH 2008: CHINA SOUTHERN  
URUMQI-BEIJING

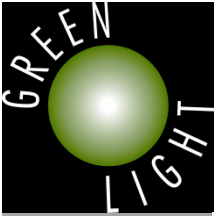
SAVED BY:

LUCK &  
AIRCREW





**NO GLOBAL CHANGE  
IN POLICY**

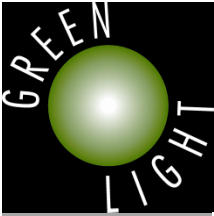


25 DECEMBER 2009: NORTHWEST  
LAGOS-AMSTERDAM-DETROIT

**SAVED BY:**

**LUCK**

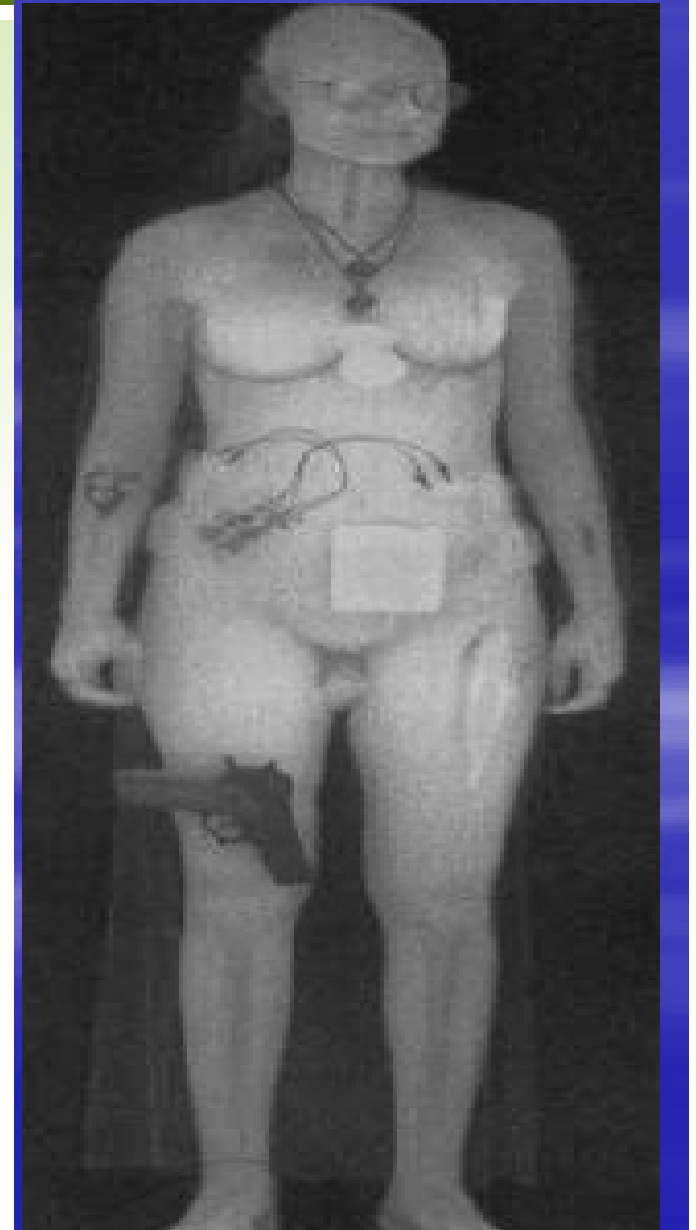




25 DECEMBER 2009: NORTHWEST

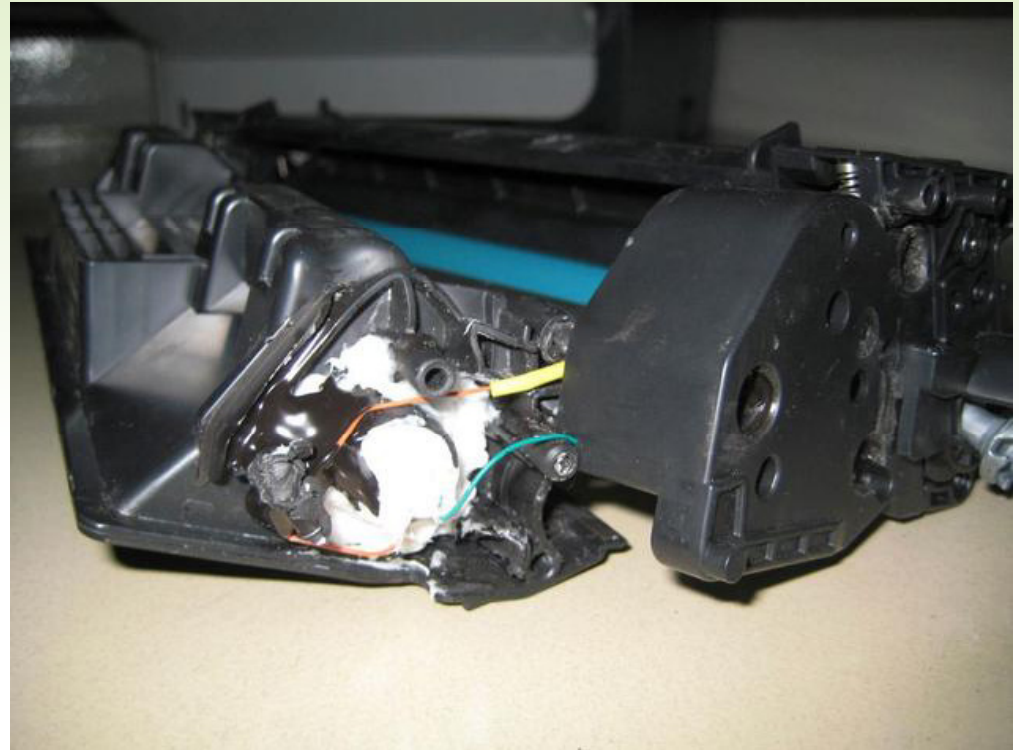
RESULT

- ③ WHOLE BODY IMAGING SYSTEMS
- ③ (INITIALLY) BLACKLISTED COUNTRIES



SAVED BY:

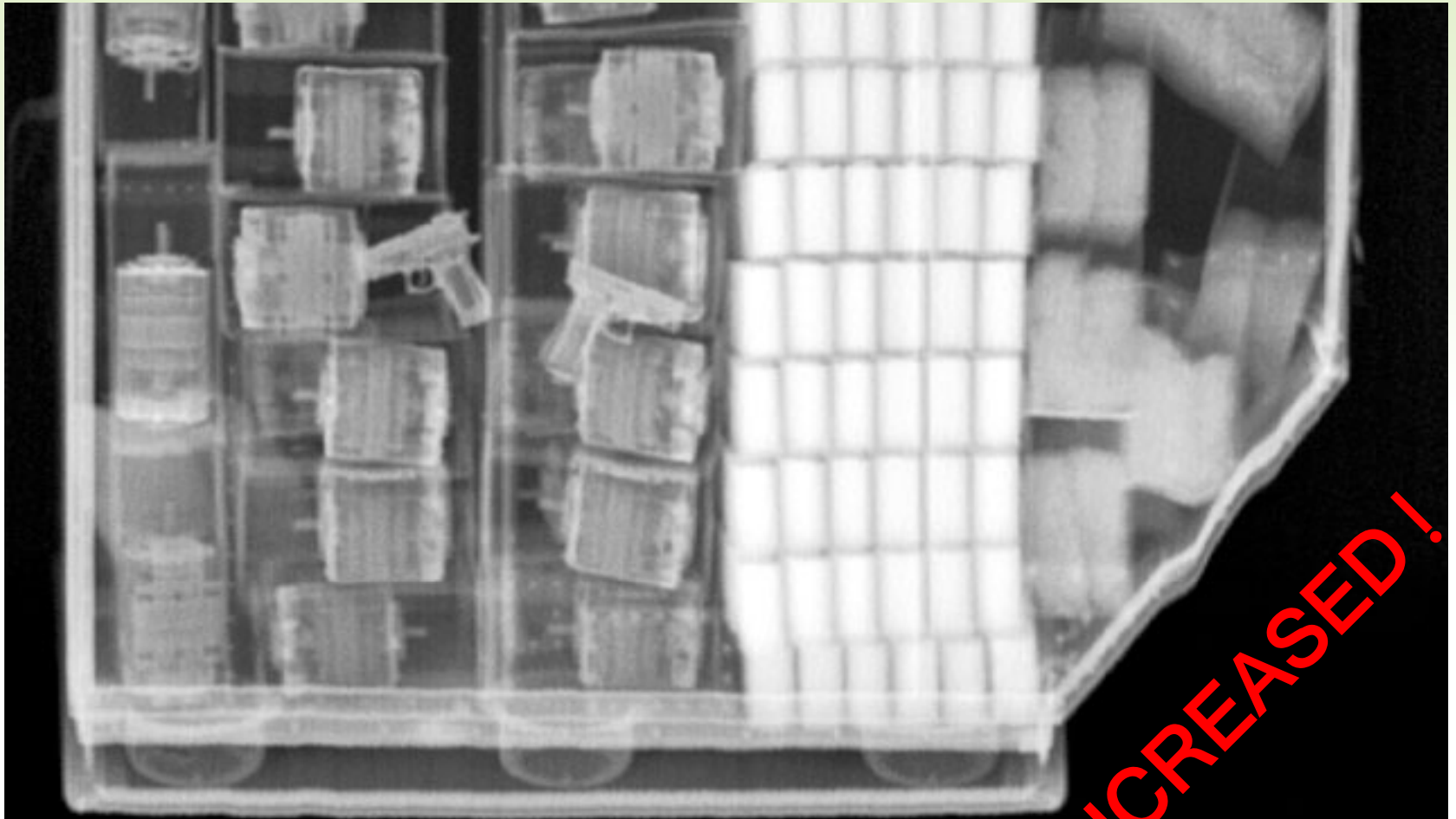
INTEL &  
LUCK





29 OCTOBER 2010

RESPONSE



**INCREASED!**





🎯 SUICIDE BOMB ATTACK IN ARRIVALS HALL

🎯 36 PEOPLE KILLED

**FAIL!**



**NO GLOBAL CHANGE  
IN POLICY**



## WHICH WERE THE 12 MOST SIGNIFICANT ATTACKS POST-9/11?

- ◎ DEC 2001: RICHARD REID (LUCK)
- ◎ MAY 2002: CHINA NORTHERN (FAIL)
- ◎ NOV 2002: ARKIA (LUCK)
- ◎ MAY 2003: QANTAS (AIRCREW)
- ◎ AUG 2004: RUSSIAN BOMBINGS (FAIL)
- ◎ SEP 2004: KATO AIR (AIRCREW)
  
- ◎ LIQUID PLOT
  
- ◎ OCT 2006: THY TIRANA HIJACK (AIRCREW)
- ◎ JUN 2007: GLASGOW AIRPORT (LUCK)
- ◎ MAR 2008: CHINA SOUTHERN (AIRCREW)
- ◎ DEC 2009: ABDULMUTALLAB (LUCK)
- ◎ OCT 2010: CARGO PLOT (INTEL & LUCK)
- ◎ JAN 2011: MOSCOW DOMODEDOVO (FAIL)



# COMMON THEME



**QUESTIONABLE VALUE**





## COMMON THEME



GLOBAL POLICIES ONLY CHANGE  
IF THE USA IS INVOLVED...





# SCREENING METHODOLOGIES

COMPARE...

THE HUGE EXPENDITURE IN SCREENING TECHNOLOGIES

VS.

INVESTMENT IN HUMAN FACTORS



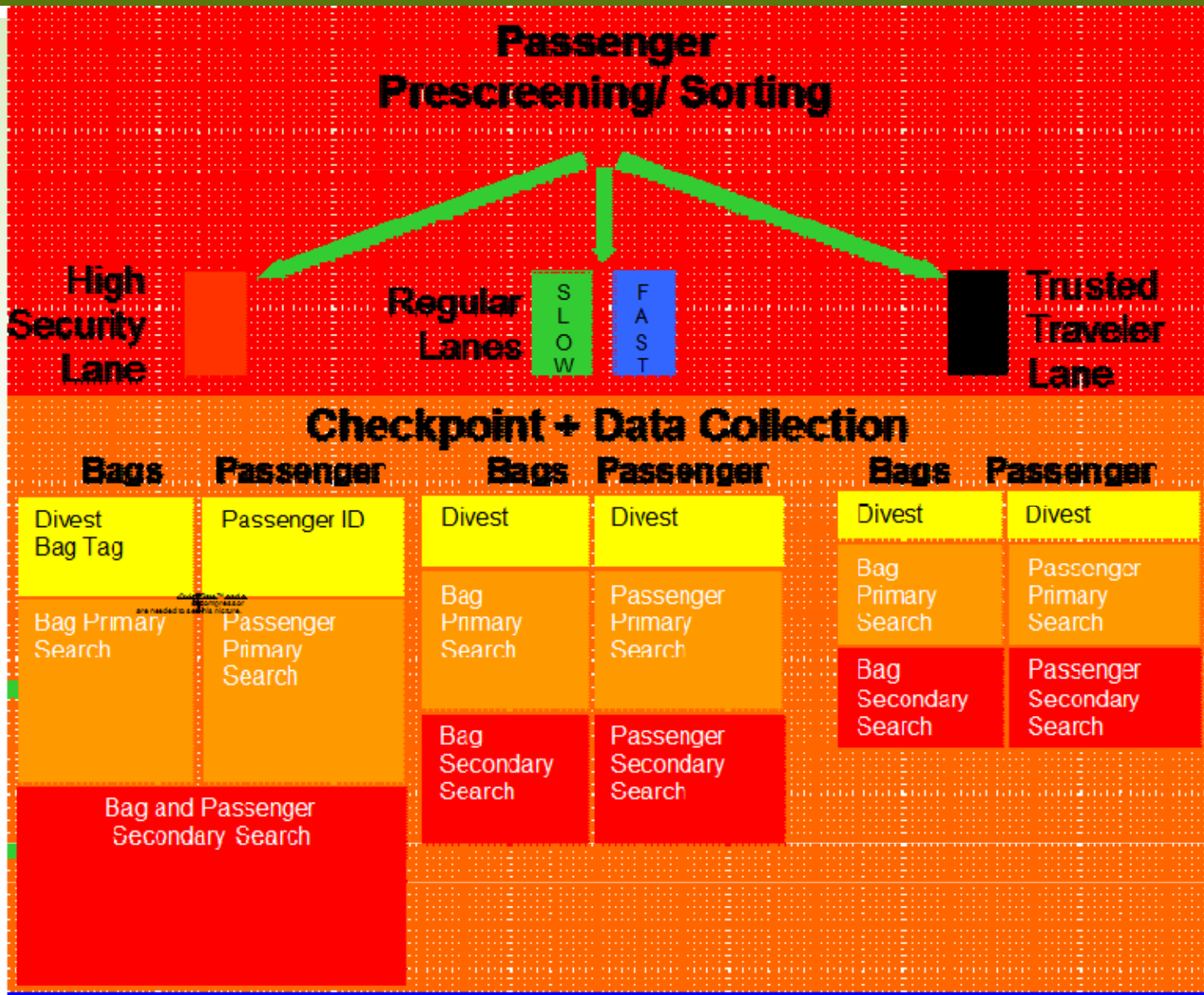
- ① CBRN
- ① CYBER
- ① INSIDER
- ① UNRULY
- ① INTERNAL

...AND ARE THESE ADDRESSED BY THE CHECKPOINT OF THE FUTURE?



THE FUTURE:

# THE CHECKPOINT OF THE FUTURE



# SAUDI SUICIDE BOMBER: 27<sup>TH</sup> AUGUST 2009

- ① Abdullah Hassan al-Aseeri
- ① Assassination attempt on a Saudi Prince during Ramadan
- ① Flown in to attend meeting with Prince
- ① Fully searched
- ① Internal device detonated by mobile phone





300g explosive charge (pipe bomb) as  
vaginal concealment





① UNPREDICTABLE

① GLOBAL

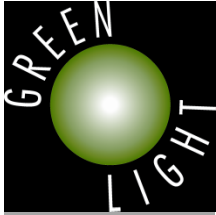
① ADDRESS FUTURE THREATS

① COMMON SENSE-BASED

① RED TEAMED

① ZERO TOLERANCE

① PROFESSIONAL



## MIGHT PROFILING HAVE PREVENTED ATTACK?

- ◎ DEC 2001: RICHARD REID (YES: IT DID!)
- ◎ MAY 2002: CHINA NORTHERN (YES)
- ◎ NOV 2002: ARKIA (NO)
- ◎ MAY 2003: QANTAS (YES)
- ◎ AUG 2004: RUSSIAN BOMBINGS (YES)
- ◎ SEP 2004: KATO AIR (YES)
  
- ◎ LIQUID PLOT
  
- ◎ OCT 2006: THY TIRANA HIJACK (MAYBE)
- ◎ JUN 2007: GLASGOW AIRPORT (NO)
- ◎ MAR 2008: CHINA SOUTHERN (UNKNOWN)
- ◎ DEC 2009: ABDULMUTALLAB (YES)
- ◎ OCT 2010: CARGO PLOT (YES)
- ◎ JAN 2011: MOSCOW DOMODEDOVO (MAYBE)



## PRE-EXISTING PAX DATA?

- ① DEC 2001: RICHARD REID (YES)
- ① MAY 2002: CHINA NORTHERN (NO\*)
- ① MAY 2003: QANTAS (YES)
- ① AUG 2004: RUSSIAN BOMBINGS (YES)
- ① SEP 2004: KATO AIR (YES)
- ① OCT 2006: THY TIRANA HIJACK (YES)
- ① MAR 2008: CHINA SOUTHERN (NO\*)
- ① DEC 2009: ABDULMUTALLAB (YES)

\* = As far as I know!



Dear Mom, XOOXOOXOOX X XOOXOXOXOXO

Hi! How are you I am fine. Well I am writing this letter to tell you that I am going to wash the dishes tonight. O.K. Well see you

later, Love Lja.

XX XOOOXOOXX  
Love your

XOXOXOX

Loving, devoted, caring  
thoughtful sincere, kind Kid  
2004

# THANK YOU

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