

8/14/03

This information was provided to Commission staff on 8/14/03 as follow up to email communications between Commission staff and FAA.

Shirley Miller  
ADA-2

Regarding the questions and/or concerns contained within the CC:MAIL from Shirley Miller to Anthony S. Ferrante (08/05/03 @ 1204); we are providing a supplemental response to our July 5 (original) response.

**Regarding CC:MAIL Item Numbers 1 and 2.** The lists have been reviewed and are contained in the National Commission on Terrorist Attacks Upon the United States, DOT Document Request Number Two, dated July 2, 2003, "Request Number 5c" and "Request Number 6" (see below).

**Regarding CC:MAIL Item Number 3.** It is our understanding that this request was withdrawn during the meeting of Thursday, August 7.

**Regarding CC:MAIL Item Number 4.** It is our understanding that more information will be provided regarding who will be targeted for an interview by the National Commission on Terrorist Attacks Upon the United States.

**Regarding CC:MAIL Item Number 5.** Ron Geoffroy is the Boston Air Route Traffic Control Center (ARTCC) National Air Traffic Controllers Association facility representative and did not talk with and/or have any association with any of the targeted aircraft and/or related responsibilities. Curt Applegate was assigned to New York ARTCC, Sector 39, from 1250:57 to 1254:59 UTC. He worked UAL93 without incident and handed off the aircraft to the next sector. While on the position he also asked "UPS if he saw the American."

During the meeting on Thursday, August 7, four additional items were requested:

1. A request was made to make an attempt to locate the Boston ARTCC, MOS 1237-1259 UTC, Partial Transcript. We have contacted the Boston ARTCC directly and talked with the Support Manager for Quality Assurance. During a telephone call on Monday, August 11 (@ 0835-0839) the manager reviewed the original copy of the transcript and could not locate any extraneous writings and/or information.

2. Provide a location for the DUEYS Intersection.

DUEYS Intersection coordinates are 410916N, 0734781W, or 6.59 miles northwest of the White Plains (HPN), New York, Airport.

3. Identify the individuals working the Boston ARTCC 39 R & R/A and 24 R & R/A positions for which transcripts were prepared.

Sector 39 Radar – Thomas Roberts, Air Traffic Control Specialist  
Sector 39 Radar Associate – Myron Smith, Air Traffic Control Specialist  
Sector 24 Radar – Timothy Riskey, Air Traffic Control Specialist

4. Provide beacon codes for aircraft, for which the registration number or call sign was provided.

USA583 – 1313  
COA389 – 3336  
N62775N – Unknown  
BTA4042 – 5747  
COM949 – 3472  
DAL1989 – 1304  
UAL175 – 1470  
DAL9930 – 3437  
EGF993 – 2702  
USA1251 – Unknown  
DAL2031 – 4044

We could not find a beacon code of N62775N and USA1251; the region/facility could not locate the aircraft on any of their transcripts.

In response to the National Commission on Terrorist Attacks Upon the United States, DOT Document Request Number Two, dated July 2, 2003, The Air Traffic Investigations Division, AAT-200, is supplementing our earlier response(s) and providing the following. We apologize for the tardiness of this reply; however, it was unavoidable as this documentation was just discovered. All changes (including additional information) are indicated in blue, which should assist in identifying what has been changed and/or altered.

**Request Number 5c:** “Please supply a list of names for the following individuals: ATC controllers and supervisors involved in tracking or communicating with the hijacked planes on 9/11.”

**Response:** The following names have been identified as those individuals that either had radio communications with the subject aircraft or closely worked and assisted those that did. We have provided the names only; the position(s) each individual worked can be identified in the respective Air Traffic Aircraft Accident Package (provided as part of response to request number 20).

American Airlines 11

*Boston Airport Traffic Control Tower (ATCT)*

Michael Hilliard, Operations Supervisor  
Thomas Coronite, Air Traffic Control Specialist  
Thomas E. Joyce, Air Traffic Control Specialist  
Douglas Sasserson, Air Traffic Control Specialist  
Albert W. Suchcicki, Air Traffic Control Specialist

*Boston Terminal Radar Approach Control (TRACON)*

Daniel Gravelle, Operations Supervisor  
Scott L. Arsenault, Air Traffic Control Specialist  
Brian H. Hansen, Air Traffic Control Specialist

*Boston ARTCC*

Terry Biggio, Operations Supervisor  
Daniel Bueno, Operations Supervisor  
Jonathan Schippani, Operations Supervisor  
Colin Scoggins, Military Operations Specialist  
Richard Beringer, Air Traffic Control Specialist  
Joseph Cooper, Air Traffic Control Specialist  
William Dean, Air Traffic Control Specialist  
John Hartling, Air Traffic Control Specialist  
Scott Johnson, Air Traffic Control Specialist  
Shirley Kula, Air Traffic Control Specialist  
Donald Larson, Air Traffic Control Specialist  
David McGlaufflin, Air Traffic Control Specialist  
Brazalino Martins, Air Traffic Control Specialist  
Alan Miller, Air Traffic Control Specialist  
Maria Moran, Air Traffic Control Specialist  
Mark O'Neil, Air Traffic Control Specialist  
Glen Poncet, Air Traffic Control Specialist  
Thomas Roberts, Air Traffic Control Specialist  
Stephen Roebuck, Air Traffic Control Specialist  
Michael Royer, Air Traffic Control Specialist  
Stephen Schmalz, Air Traffic Control Specialist  
Myron Smith, Air Traffic Control Specialist  
William Smith, Air Traffic Control Specialist  
Gregory Taccini, Air Traffic Control Specialist  
Karan Waggoner, Air Traffic Control Specialist  
Henry White, Air Traffic Control Specialist  
Peter Zalewski, Air Traffic Control Specialist

*New York ARTCC*

Michael J. McCormick, Air Traffic Manager  
Bruce S. Barrett, Operations Manager  
Charles Alfaro, Operations Supervisor  
Paul Thumser, Operations Supervisor  
Peter Mulligan, Supervisor, Traffic Management Specialist  
Martin Rosenburg, Supervisor, Traffic Management Specialist  
Anthony Palmieri, Air Traffic Control Specialist  
Mark Merced, Air Traffic Control Specialist  
Evanna Dowis, Air Traffic Control Specialist

*New York TRACON*

Steve Saul, Operations Supervisor  
Stephen Vollaro, Air Traffic Control Specialist  
George Wiley, Air Traffic Control Specialist

United Airlines 175

*Boston ATCT*

Michael Hilliard, Operations Supervisor  
John M. Covino, Air Traffic Control Specialist  
Thomas E. Joyce, Air Traffic Control Specialist  
Douglas Sasserson, Air Traffic Control Specialist  
Albert W. Suchcicki, Air Traffic Control Specialist

*Boston TRACON*

Daniel Gravelle, Operations Supervisor  
Scott L. Arsenault, Air Traffic Control Specialist  
Brian R. Hansen, Air Traffic Control Specialist

*Boston ARTCC*

Francis Browne, Air Traffic Control Specialist  
William Dean, Air Traffic Control Specialist  
John Hartling, Air Traffic Control Specialist  
Alan Miller, Air Traffic Control Specialist  
Mark O'Neil, Air Traffic Control Specialist  
Gregory Taccini, Air Traffic Control Specialist  
Peter Zalewski, Air Traffic Control Specialist

*New York TRACON*

Steve Saul, Operations Supervisor  
Ronald Regan, Traffic Management Officer  
Steven R. Fanno, Air Traffic Control Specialist  
Stephen Vollaro, Air Traffic Control Specialist  
George Wiley, Air Traffic Control Specialist

*New York ARTCC*

Michael J. McCormick, Air Traffic Manager  
David LeCates, Assistant Air Traffic Manager  
Bruce Barrett, Operations Manager  
Paul Thumser, Operations Supervisor

Peter Mulligan, Supervisor, Traffic Management Specialist  
Martin Rosenberg, Supervisor, Traffic Management Specialist  
Robert Felser, Military Operations Specialist  
Peter McCloskey, Traffic Management Specialist  
Lorraine Barrett, Air Traffic Control Specialist  
David Bottiglia, Air Traffic Control Specialist  
Evanna Dowis, Air Traffic Control Specialist  
James Kurz, Air Traffic Control Specialist  
Mark Merced, Air Traffic Control Specialist  
Anthony Palmieri, Air Traffic Control Specialist  
Christopher Tucker, Air Traffic Control Specialist

American Airlines 77

*Washington National ATCT*

Victor F. Padgett, Operations Supervisor (Duty Station – Potomac TRACON)  
Eric Cole, Air Traffic Control Specialist  
Steven Collison, Air Traffic Control Specialist  
Dan Creeden, Air Traffic Control Specialist  
Robert A. Davey, Air Traffic Control Specialist  
Paul McCarthy, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
Jadyne M. Seitz, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
David C. Stephenson, Air Traffic Control Specialist  
Patricia Thawley, Air Traffic Control Specialist  
Patricia A. Threadgill, Air Traffic Control Specialist  
David A. Walsh, Air Traffic Control Specialist

*Washington ARTCC*

Tina Crouse, Air Traffic Control Specialist  
Carl Finkbeiner, Air Traffic Control Specialist  
Mark Guzik, Air Traffic Control Specialist  
Guy Slone, Air Traffic Control Specialist  
Richard Wallace, Air Traffic Control Specialist  
Gregory Wojcik, Air Traffic Control Specialist

*Indianapolis ARTCC*

John Thomas, Operations Manager  
Sally Weed, Support Manager  
Stephen Lutomski, Operations Supervisor  
Linda Povinelli, Operations Supervisor  
Theresa Adams, Air Traffic Control Specialist  
Partricia Allison, Air Traffic Control Specialist  
Richard Beaman, Air Traffic Control Specialist

Richard Byard, Air Traffic Control Specialist  
Sean Michael Richard Clements, Air Traffic Control Specialist  
Joseph Eisert, Air Traffic Control Specialist  
Rudolph Gayde, Air Traffic Control Specialist  
Steven Harting, Air Traffic Control Specialist  
Randy Kath, Air Traffic Control Specialist  
Jeffrey Phillips, Air Traffic Control Specialist  
Anthony Schifano, Air Traffic Control Specialist  
Kevin Schott, Air Traffic Control Specialist  
Charles Thomas, Air Traffic Control Specialist

*Dulles ATCT*

Sherelle T. Carper, Air Traffic Manager  
Michael Hawrysko, Operations Manager  
Jaime Llana, Operations Manager (Duty Station – Washington ARTCC)  
Terry Lee Brown, Operations Supervisor  
John Hendershot, Operations Supervisor (Duty Station – Potomac TRACON)  
Robert J. Brickley, Jr., Air Traffic Control Specialist  
Robert Devery, Air Traffic Control Specialist  
Danielle L. Howell, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
William T. Howell, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
Eric Lewis, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
Todd Lewis, Air Traffic Control Specialist  
Rosanne McConnell, Air Traffic Control Specialist  
Rudolph Reid, Air Traffic Control Specialist  
Blaine Swank, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
Thomas Tavino, Air Traffic Control Specialist (Duty Station – Potomac TRACON)  
Robert Utley, Air Traffic Control Specialist (Duty Station – Potomac TRACON)

United Airlines 93

*New York TRACON*

Steve Saul, Operations Supervisor  
Ronald Regan, Traffic Management Officer  
Steven R. Fanno, Air Traffic Control Specialist  
Stephen Vollaro, Air Traffic Control Specialist  
George Wiley, Air Traffic Control Specialist

*New York ARTCC*

Curtis Applegate, Air Traffic Control Specialist  
Gregory Lemieux, Air Traffic Control Specialist  
Stephen L. Martin, Air Traffic Control Specialist

*Cleveland ARTCC*

Curt Applegate, Air Traffic Control Specialist  
Brian C. Hanlon, Air Traffic Control Specialist  
Linda L. Justice, Air Traffic Control Specialist  
George W. Keaton, Air Traffic Control Specialist  
Bradley L. Kennedy, Air Traffic Control Specialist  
Donald E. Lamoreaux, Air Traffic Control Specialist  
David L. Leister, Air Traffic Control Specialist  
David M. Norton, Air Traffic Control Specialist  
Mark F. Saunders, Air Traffic Control Specialist  
Stacey Taylor, Air Traffic Control Specialist  
John L. Werth, Air Traffic Control Specialist  
Michael S. Zientarski, Air Traffic Control Specialist

*Indianapolis ARTCC*

Daniel Hughes, Air Traffic Control Specialist  
Nathaniel Plance, Air Traffic Control Specialist  
Kelly Spencer, Air Traffic Control Specialist

**Request Number 6:** “For persons listed in response to request [number five] who are no longer employed by the [Federal Aviation Administration (FAA)], current contact information for those persons, if available.”

**Response:** The following individuals have separated from the FAA. Their last known addresses and telephone numbers have been provided:

*(NOTE: Public Law 93-579, Privacy Act of 1974, protects the documents contained herein. Only authorized personnel may view these materials. Misuse and/or unauthorized disclosure of these documents, or the information contained therein, is punishable by internal disciplinary actions and/or criminal penalties with a possible fine of up to \$5,000)*

American Airlines 11

Douglas Sasserson (Boston ATCT)

(B)(6)

Myron Smith (Boston ARTCC)

(B)(6)

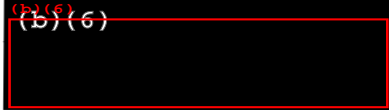


American Airlines 77

Joseph Eisert (Indianapolis ARTCC)  
Deceased

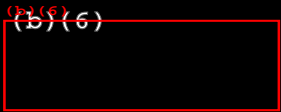
United Airlines 175

Ronald Regan (New York TRACON)

(b)(6)  


United Airlines 93

John L. Werth (Cleveland ARTCC)

(b)(6)  




U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# Route Slip

To: Tony Ferrante

Date: 08/07/03

Subject: 9-11 Documentation, Andrews ATCT, Andrews AFB, MD

Action:  Per Your Request       Discuss with Me       Take Appropriate Action  
 For Your Information       For Your Approval       Please Answer  
 Per Our Conversation       For your Signature       Prepare Reply for:  
 Note and Return       Comment

Remarks:

Per your request, the documentation from 9/11. If you need additional information please contact John Broderick, Air Traffic Manager at (b) (2) High

MUS 6  
UH1

0244

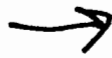
N N RT3

124.2

18	28
18	31

MUS 04  
H1


B



18	20

Wild 2  
2F166


RF

	1859

MUS 05  
A1

0242

N/P

W

124.2

18	19
18	22

MUS 4

0263

UHI

10

3/P

W

1808

CAPS 1

0257

2/F16

0201

IR

125.65

1851 ✓

MUS 7

UHI

B

B

→

WEST

1835

NA 18

ALO

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N/P

1937 ✓

TPP 2

ALO

B

19L

1933 ✓

MUS 08

ALO

B

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1901 ✓

G556

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P1915

350

ADW

ADW HCM MMT

x30

125.65

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1910 ✓

TEAM23

2457

A1826

IFR

K35/R

OJAAY

LF

242

ADW

ADW

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1910 ✓

Wild 1  
1 F16

LF

1910 ✓

MUS ~~off~~  
Helo

B

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1914 ✓

MUS G  
VH1

0271

W

124.2

10

2053

BULLY1  
2/F16/R  
586

5311

A1639

IFR

ADW

RB

ADW

ADW

2028 ✓

PAT108  
C560/R  
801

4707

A1944

IFR

TAPPA 069/024

ADW

ADW

J. GARNICKY 2008 ✓

WILD 1  
2/F16

0241

0242

IR

RH 11730

125.65  
124.2

2013 ✓

NH33  
A/RLO

7

LF

2005

TROUT99  
1  
C135/W  
963

7253

A2028

IFR

SWANN 266/015

ADW

ADW

LV

OPERMISSION TO EN\*\*\* 2040 ✓

PG1  
Helo

0224




± 10



10

17 57

NH 18 CHM		N/P	LA	2008
NH 1710 Helo		B	N/P	2047 ✓
MUS 7 UHI	0272 10		W 124.2	2053
MUS 8 UHI	0273 10		W 124.2	2053
MUS 4 5/4HI	0247 10		W Through 0247	2053
MUS 5 UHI	0270 10		W 124.2	2053
TRP 2 Helo	0264	B/D	N	2048
NHK 33 2/CH55	0251 10	NP	NYG 124.2	✓ ✓ 2022 ✓
MUS 12 UHI	0266 10	N/P	NH Pentagon 124.2	✓ ✓ 2617
MUS 5 UHI		B	NP	2029 ✓

MUS 11	2235	NIP			
UHI	174.2			Pentagon	2004
Med star3					
					2118
PG 1					
HELO		V	.9		2145
NH 30	<del>244</del>				
UHC	240	NIP		 246	2155 ✓
MUS 12					
HI		B		→ NIP	2103
NH 33					
HELO		B		↗ NIP	2110 ✓
MUS 11					
HELO		B		→	2120
NH 30					
HELO		B	(13A)	↑ NIP	2122 ✓
NH 1					
2/HELO		B		→ NIP	2119 ✓
NH 8					
H3		B		→ BIP	2117 ✓

NH 10 H360	0222	NIP	S	125.65	21 27	✓
NH 31 H3		B	→ NIP		21 31	✓
COUNT21 B/K35R/I 237	1552	A2054	IFR			
<i>drops</i>	TRIXY			LV		
	DCA		ADW	OK/AM	21 00	✓
NHK 33 H53	0240				—	✓
					119.1	2139 ✓
SAM93 B/B752/E 188	2354	A2059	IFR			
	RIC			LF		
	IRONS		ADW		21 06	✓
ARMY04 T/C560/G 962	2173	A2100	IFR			
	AML 198/003			LV		
	ADW		ADW	OK	21 10	✓
TEAM23 B/DC10/G 673	5670	ADW	+PALEO V44 SIE SIE4+	020	N	✓
	P2100	<i>IKR</i>	ADW ADW090015/D3+00 GXU	<i>125.65</i>		
	150B300		WRI 118c3		2142	✓
S60202 1 T/GLF3/E 761	0577	A2143	IFR			
	TRIXY			AE LV		
	DCA		ADW	O L/L B OVR	2153	✓
MUS12 Helo	0263	NIP				
						0254
EAGLE Helo		V				
						2240



MHK 27  
2. Helo

V

NP

2211 -

MUS 474  
UHI

B

NP

2250 -

MUS 7  
UHI

NP

NP

2258

MUS 4  
UHI

B

Secrets

2256

VMI  
H3

RAMP

WH

120.75

2249

MHK 4  
HCO

V

NP

2211 ✓

RCH173  
2  
C17/I  
416

2512 A2254  
RIC 306/017  
ADW

IFR  
ADW

LF

2281 ✓

SS0049  
G31

LF

2255 ✓

Colery 467  
21 File

RF

2239 ✓

Colery 45

RF

2237 ✓

AFI  
5/747

CAPS 2  
FLY

CAPS 1  
FIL

Bully  
2/Fly

ADDIS77  
B/B742/R  
121

0277

6621 A2159  
AML 198/001  
ADW

MUS 10  
WAZ

MUS 12  
WAZ

MUS 09  
WAZ

MUS 08  
WAZ

MUS 06  
WAZ

B

B

B

MLD

B

LF

RF

RF

125.5

LV

N/P

N/P

N/P

A

N/P

2234 ✓

2210 ✓

2213 ✓

2206 ✓

✓

2206 ✓

2310

2338 ✓

2304 ✓

2302 ✓

234 ✓

RCH129T  
C141/A

A2324

LF

2328 ✓

S92  
1  
H/B752/R  
695

3742

A2256

IFR

TAPPA

KADW

KADW

LF

OICAO GTK/N0469F3\*\*\*

2305 ✓

RCH6192  
C17/G  
132

1017

A2326

IFR

TRIXY

DCA

ADW

LF

2335 ✓

ARMY40  
T/GLF3/G  
561

2370

A2309

IFR

AML 239/042

ADW

ADW

LF

2316 ✓

BULLY 1  
F16

A0054

RF

F  
0055

Wld 1  
F16

A0005

RF

F  
0007

MURPHY 2026  
Kee

V

AR

0026

JOSA287  
LJ35/G  
715

6644

A0046

IFR

TRIXY

DCA

ADW

LF

6656 ✓

Wld 2  
IF16

A 000 #1

RF

F  
0003

CAS2  
2/F16

0234  
ADW  
130

ADW

ADW DCA

12565 ✓

N  
0000

BULLY 2  
F16

AGORS

RF

F 0035

TRP (D)  
HELO

0243

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WHC

0025

MAS69  
HELO

M

NIP

0040

MAS65  
WAI

0244

N/P

~~A~~

0024 ✓

E932  
T/DC9/G  
982

1701

A0139

IFR

AML 270/043

LF

ADW

ADW

O MILITARY MISSIO\*\*\*

0147 ✓

E959  
T/DC9/G  
930

1173

A0133

IFR

AML 270/043

LF

ADW

ADW

0140 ✓

E961  
T/DC9/R  
904

1174

A0130

IFR

AML 270/043

LF

ADW

ADW

0138 /

MUS 5  
WAI

B

N/P

0128 ✓

MEDSTAR 1  
HELO

V

±10

~~A~~ →

0125

MED ★ 3  
HELI

V

1.1

← ~~A~~

0220

MEDSTAR 1 0212 ✓

Helio

A WKC 0157

CAPS 1 0240  
FIL

RF

0234 ✓

Wld 2 0217  
FIL

IR

ADW → DCA

~~0224~~ N -

~~AA~~ → 30

0224 ✓

ARMY 03 5316 A0243  
T/C 560/G EPICS  
435 IRONS

IFR  
ADW @HOME STATION IS ... LF

0252 ✓

JOSA 287 2401 ADW  
LJ 35/G P0200  
604 280 IL

ADW AML J149 GEFFS FFO  
~~AA~~ → 30 TR250  
124.2

N  
0202 ✓

Wld 1 0210 ADW  
FIL 30 IR

ADW → DCA

~~0219~~ N -

348.725/125.65

0219 ✓

CAPS 2  
FIL

RV

0300 ✓

JOSA 315  
LJ 35

19 RF

0340 ✓

TR 02  
HELIO

B

B/D

0920

MS 2  
HELIO

✓

~~A~~ H

0800

MS3  
4020


V

~~A~~ →

111

~~0800~~  
0700

RCH7575  
C130/I  
097

5373
P0345
160

ADW  
~~AR~~

+DAILY COLIN+ 125.65  
ADW DAILY V20 RIC LVL RDU  
POB

N  
~~0902~~ AC

JOSA376  
LJ35/I  
641

6005
TRIXY
DCA

A0457

30  
20  
ADW  
LF  
O A50 CURRAN

I  
0510 AC

JOSA376  
LJ35/I  
426

4616
P0600
150 <sup>140</sup>

ADW

ADW DAILY V33 HCM LFI  
TR050 125.65

N  
0616 AC

MS3  
4020


V

~~A~~ →

0950

PG1  
HELO


V

10

~~A~~  
W32

1019

MISTAZ  
HELO


V

10

~~A~~  
mistaz

1003

PO DCA  
AT

4645

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1023

N3FR  
CON


V

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1044

MUS04  
HI


N/P

W

WORD31  
B/B742/1  
512

5672  
TRIXY  
DCA

A1114

IFR  
ADW ONAOC RTS/ALTS MA\*\*\*

LF

1136 ✓

VV691  
GLF3/G  
678

5613  
P1050  
290

NSF  
IR

+POLLA V312 PALEO V44 SIE+  
~~TRSD 0702~~ NSF PALEO V44 SIE\*\*\*GON  
OFRC ✓

✓ N ✓  
1101 ✓

N3042M  
PC4B  
C172

V

TT  
955  
BANNER

1118

N34565  
C177

V

25  
CGS

1135

TROUT99  
H/C135/Q  
538

5632  
P1110  
290

KADW  
IR

+POLLA V312 OOD J42 RBV+  
KADW POLLA V312 OOD\*\*\*LHBP  
OICAO HUL/N0461F330 CAR\*\*\*

✓ N ✓  
1109 ✓

SKYFOX  
H

V

TO  
95+ PA. AVE

1147 ✓

N501  
CSW

V

25  
FDK

1240

MUS05  
HI

MP

W

1240

VJTP12  
T38

LO

1255

MUS04  
HI

NIP

W

1245

VVTP10/2  
T38/P  
284

5326  
P1250  
30

ADW  
IL

ADW OTT V33 WHINO NHK  
→  
~~ADNA~~

✓ KPR ✓  
1253 ✓

BULLY1  
3/F16/R  
057

4631  
P1200  
X160

ADW  
IR

+DAILY V33 COLIN+  
TR 50  
DCNG6---ADW WHINO\*\*\*R5314  
308.725  
O PHELPS MOA CONCURRENT\*\*\*  
~~ADNA~~

✓ N ✓  
1236 ✓

VJTP12  
T38

LO

1237

VVTP12  
T38/P  
431

5335  
NHK  
OTT

A1231

IFR  
ADW

LO  
⊕ 0+15

1237

N7NF  
C172

✓

14

△

W32

1324 ✓

WORD31  
H/B742/R  
566

Z

0512  
P1330  
310

ADW  
IL

ADW AML J149 EMPTY J80 CAP  
TC 270  
LMN SHACK OFF  
X8  
~~ADNA~~

✓ N ✓  
1316  
1327 ✓

N9302N  
PA28

XR

WVKKX

1328

MUS 6  
Z

N/P

W

1319

N9302N  
PA28

LL

1314

VENUS22  
T/GLF3/R  
879

Z

4617  
P1300  
160

ADW  
IL

ADW FLUKY DCA246 PAUKI MOL  
V290 NATTS LWB  
OD0+45 LWB AD  
~~ADNA~~

✓ N ✓  
1316 ✓



BULLY1  
F16

RV

1447 ✓

BULLY2

5302

A1407

IFR

RB

F16/R

OTT

1444 ✓

252

ADW

ADW

MUSØ4

B

↓

NP

H1

1405

MUSØ5

B

H1

1435 ✓

VM444

2125

NSF

+POLLA V312 PALEO V44 SIE+

BE20/G

P1120

IRX-11

~~TICOBOL~~ RH  
NSF PALEO V44 SIE J121 HTO  
125.61  
GON HA HO

✓ N ✓

960

210

1143 ✓

BULLY1

4663

A1438

IFR

2/F16/R

OTT

RXB  
OWHINO AT 4000

731

ADW

ADW

1435

BULLY1  
2/F16

4663

RV

1436

MUSØ2

B

↓

N/P

H1

1402 ✓

MUS1

MUS  
H1

W

W/H1

1526

MUS4C

RAMP

W

3/H1

1525

N930LN  
PAZZ

LL

1308

GOFER06  
T/C130/1  
841 Z

2427  
P1311  
240

ADW  
IL

+BUFFER J518 IHD+  
7L270  
ADW BUFFER J518 DJB J34 BAE  
XY  
EAU5 MSP ~~HTSLIA~~

✓ N ✓  
1333 ✓

VM306  
BE20/G  
795 Z

4761  
P1330  
150 140

NSF  
IK

+DAILY V33 V286 STEIN+  
12050  
NSF DAILY V33 HCM NGU  
125.65 HD HA

✓ N  
1339

PG1  
H

✓

2 N ADW  
.. W32  
A

1356

VEN 22  
G3

LV

1359

LTRP2  
H

B

1390

VENUS77 0310  
H/B747/1  
365

~~2124~~  
P1345  
330

ADW

ADW OFF  
RH VFR/25

1345

~~N930LN~~  
H 10CE

✓

TO  
DCA  
A

1332

N930LN  
PI

B

TK  
VKX

1332 ✓

MACE91  
4  
F16/1  
211

2654  
RIC 311/024  
ADW

A1758

IFR

RB

ADW

O..3558/07742.. 1\*\*\*

17 58 ✓

MUS 07  
2 KUH1

KAMP

W

1528

WILD 1  
2/F16

IR

125.65 ACTIVE

1512

BULLY 1  
F16

IR

348.725  
INTERCEPT

MUS 10  
UH1/R  
244

5327  
P1700  
30

ADW

ADW DCA

R (24) 11

- N  
1646

CAPA  
2/F16

LF

1657

ARMY 40  
T/GLF3/G  
497

ADW

3665  
P1700  
390

ADW

30

+LDN J134 COLNS J6 HV0+  
ADW LDN J134 COLNS J6 LIT  
131 TXK ACT HENAI SGRK TD

N  
1657 ✓

MUS 1  
H10

B

N/P

1640

BULLY 1  
2/F16/R  
586

5311  
P1630  
100

ADW

ADW DCA ADW

D

1646 ✓

MUS 10  
H1

B

✓ N/P

1757

MACE 91  
4  
F16/I

2654  
RIC 311/024

A1758

IFR

RB

1757 ✓

S60202  
T/GLF3/R  
345

5325 ADW  
P1645  
~~70~~ 110

MUS 06  
3/H1

0254  
B

+PALEO V312 GOLDA V268 ENO  
+  
ADW POLLA V170 SWANN\*\*\*DOV

<sup>N</sup>  
~~1703~~  
~~1742~~  
1710

→ N/P

VV692  
EXU1F

A40

RF

1707

VV692  
T/GLF3/G  
952

0545 A1659  
AML 244/044  
ADW

IFR  
ADW

RF  
O S2- SEC NAVY ON\*\*\*

MOS ✓

MUS 04  
H1

0212 N/P

W

1736

VVHU720  
H60

0262 VV/P

S

134.2  
1449 ✓

MUS 04  
H1

B

S/P

1752

MUS 09  
H1

B

or N/P

1739

VVHU720  
H3/A  
925

5306 A1744  
PXT 267/014  
ADW

VFR  
ADW

VV/P  
OK TO LAND

1739 ✓

TRP2  
1120

B/D

←

0810  
ALPHA