

Monitoring Military Flight Demonstration Groups MT's Annual Air Show Guide

By Larry Van Horn, MT Milcom/Assistant Editor, N5FPW

Courtesy Snowbirds

ir show! Nothing stirs up excitement more for the aircraft enthusiast than those two magical words.

Bottom line: there is nothing quite as thrilling as going out to one of the many public air shows across the country any given weekend and watching one of the military or civilian demonstration teams strut their stuff in front of thousands of airplane fanatics. But, if you add to the visual drama in front of you the element of monitoring the team's radio communications, you will experience a whole new perspective of the show that few attendees can realize or enjoy.

Since the new 2006 air show season starts in the second week of March, we present our seventh annual Milcom Air Show column in this issue. You will get the frequencies to monitor, air show radio equipment list, and the military flight demonstration team schedules for the upcoming air show season. (See page 52 for the continuation.)

FREQUENCIES

Where do you hear the action? 2005 did provide air show monitors with a few challenges, especially following the frequency changes of the Navy's Blue Angel team communications. But when changes were made by the teams and our annual list didn't have the new frequencies, seasoned veterans knew the right bands to search to find the new frequencies being used.

So what bands do veteran radio monitors search for new frequencies? You should concentrate on the bands listed below to locate air show activity in your area.

Milair Search Bands (MHz)

118.0-137.0 AM mode (AM) 25 kHz steps Note: We have reports of a lot of new air show



Courtesy Blue Angels

activity in the new portion of the civilian aero band: 136-137 MHz. Be sure to check out this frequency range out for civilian and military demo aircraft communications

122.7-123.575 AM 25 kHz steps 138.0-144.0 AM/Narrowband FM (NBFM) 12.5 kHz steps

AM/NBFM 12.5 kHz steps 148.0-150.8 225.0-389.0 AM 25 kHz steps 389.0-400.0 AM/NBFM 25 kHz steps 406.1-420.0 NBFM 12.5 kHz steps

U.S. Navy Blue Angels

The U.S. Navy (USN)/Marine Corps (USMC) military team is represented on the air show circuit by the Blue Angels flying their F/A-18 Hornet aircraft. The other major piece of hardware in the squadron is their C-130 Hercules transport aircraft, affectionately known as "Fat Albert." It is the only Marine Corps aircraft permanently assigned to support a Navy squadron and is flown by an all-Marine Corps crew of three pilots and five enlisted personnel. "Fat Albert" flies more than 140,000 miles during the course of a show

After a wild 2004 season of searching for new Blue Angel team frequencies, the 2005 season was somewhat quieter in this regard. The primary UHF frequencies monitored during 2005 season included (MHz):

264.550 265.000 275.350 284.250 289.800 Aerial Refuelina 299.650 302.100 <Fat Albert Secondary> 305.500 <Fat Albert Primary> 346.500 Maintenance

237 800

251.600

255.200

It has been reported that a new ground cart was in use by the team in 2005 and two new ground frequencies made their appearance last year - 139.8125 < Alpha> and 142.6125 < Bravo> MHz. The old 162-174 MHz frequencies are apparently no longer used and we have deleted all but one of them from our list. I encourage those of you with Signal Stalker and Close Call capability to watch the 138-144 MHz closely for new additional 12.5kHz splinter frequencies being used by the team's ground crews.

Aerial Refueling Cross Country Air-Air Tower-Comm Cart

Tower Observer

289.800 143.600 (AM) 237.800 238.150 284.250 173.825 (NBFM) May no longer be used 143.000 (AM)

Other frequencies reported in past years, but not heard in the last year include:

236.450 238.150 249.625 254.500 256.250 262.850 263.350 264.350 273.300 286.000 302.150 307.700 381.000 MHz

U.S. Air Force Thunderbirds

The premier U.S. Air Force (USAF) flight demonstration team is known as the Thunderbirds. This team uses six F-16C Fighting Falcon aircraft, performing formation flying and solo routines. The four-aircraft diamond formation demonstrates the training and precision of Air Force pilots, while the solos highlight the maximum capabilities of the F-16. The pilots perform approximately 30 maneuvers in a demonstration. The entire show, including ground and air, runs about an hour and 15 minutes.

The frequency list below has been used by the teams over the last seven air show seasons. It should be noted that at some shows the 143.850 and 235.250 MHz roles are reversed from what is published below.

Eroguoney Heggo

rrequency	usage
140.400	Support/Cross country air-to-air
	(AM)
141.850	Pre-take/Four ship/Diamond forma-
	tion linked to PA system (AM)/Cross
	country air-to-air < Channel 2>
142.575	Program audio/Air-Ground commu-
	nications (NBFM)
143.850	Diamond formation/Cross country
	air-to-air (AM) < Channel 1>



235.200	Thunderbird Control/ComCart
235.250	Pre-Engine Start and Solo aircraft
	on/off show center < Uniform 1>
322.950	Engine Starts/Solo aircraft (5-6) Air-Air
	<uniform 2=""></uniform>

Maintenance/Ground teams (NBFM)

142.175 143.900 413.000 Digital Analog/digital < Channel 1> 413.025 413.100 Analog/digital < Channel 2> 413.250 Analog 413.275 Analog 413.350 Digital Digital 413.375

Other Military Flight Demo **Teams**

Both the Navy and the Air Force have other special flight demonstration units in addition to those units mentioned above. All transmissions are in the AM mode. An asterisk * indicates a new frequency used in 2005 and ** denotes a primary frequency.

Heritage Flight (F-15/F-16/F-86/P-51) 123.150* 127.150* 122.475* 132.950 136.575* 376.025* 384.550*

USAF A-10 Thunderbolt demonstration teams 122.475* 123.150 123.475 136.575 138.050 138.100 138.200 138.250 138.300 138.500 139.625 139.725 138 475 139.800 139.975 140.400 142.200 236.850 269.900 305.400 327.700 341.500* 343.000 343.000 384.550

USAF B-1B Bomber Flyover 238.150

USAF B-2 Bomber Flyovers (509BW) 388.850**

USAF B-52 Bomber Flyovers 376.025

USAF F-15 Eagle demonstration teams

122.775 123.150* 225.650 228.450 228.950 232.150 233.525 234.600 236.150 236.550 237.400 238.625 238.825 239.400 252.525 252.575 252.775 254.675 257.075 258.375 259.550 260.275 262.025 262.050 264.875 264.975 266.550 268.175 275.675 276.675 279.650 282.675 282.800 285.150 287.775 292.725 296.925 298.350 301.525 303.950 305.650 315.125 315.850 317.800 319.325 325.325 325.725 325.775 330.125 333.550 338.750 351.050 355.750 359.225 364.125 376.025** 376.075 384.500 384.550** 384.850 385.700 391.200 396.900 397.100 399.750 399.850

US Air Force F-16 Fighting Falcon demonstration

122.775 123.150 134.175 136.575 138.025 138.100 138.150 138.200 138.250 138.475 138.425 138.900 139.750 139.825 139.900 139.925 139.975 140.375 141.600 227.700 229.075 261.200 283.700 317.800 336.925 344.900 376.025** 376.075 384.550*

US Air Force AETC T-6 Texan East Coast Team 123.150 123.400 127.150* 138.400 283.700 295.000* (Ground support team uses FRS radios)

US Air Force Combat search and rescue (SAR) demonstrations

127.150* 138.100* 139.700 225.450 236.000 242.000 251.900 252.800 259.000 278.800* 280.500 282.800 287.500 381.000 384.550

US Coast Guard aircraft/SAR demonstrations 122.900 (SAR) 157.050 (Drug Interdiction 157.075 (Command Post)

237.900 282.800 326.150 345.000 379.050

US Navy S-3 Viking aircraft demonstrations 263,400

US Navy SAR demonstrations 242.500 282.000 283.100

Military Parachute Demonstration Teams

A new addition to our Military Parachute Demo teams list is the U.S. Special Operations Command Parachute Team based out of MacDill AFB in Florida. They were heard on the following frequencies: 122.450, 123.450, and (no, this is not a misprint) 151.625 MHz, a nationwide business itinerant frequency.

The colorful U.S. Navy Seal Parachute Team, the Leap Frogs, is a frequent visitor around the country at various sporting events and air shows. This team has been regularly reported on 270.000 (AM) and 407.500 MHz (NBFM 131.8-Hz PL tone) nationwide the last several years.

The U.S. Army has quite a few parachute teams that perform on the air show circuit. We have received reports for only two of the teams. We would appreciate reports on frequencies used by the following U.S. Army teams if you catch them performing this air show season.

All American Free Fall Team Fort Bragg, North Carolina, 82nd Airborne

Green Beret Parachute Team Fort Bragg, North Carolina

Screaming Eagles Fort Campbell, Kentucky, 101st Airborne Division

Black Knights US Military Academy, West Point, New York

Another addition to our list this year is the Silver Wings team. This is the Fort Benning, Georgia, Command Exhibition Parachute Team. They were heard last season using 34.650 MHz. In addition to the VHF low frequency, ground and safety teams were using 467.6125 MHz (FRS channel 10) for communications. There was also one report that the team was using an Intra Squad radio frequency of 397.500 MHz. (See our comments below about programming ISR, GMRS and FRS channels for air show monitoring.)

The U.S. Army Special Operations Command parachute team is known as the Black Daggers (see MT Milcom May 2004). Frequencies discovered for them during the last two seasons include: 123.450, 136.000, 136.500, 138.650, 237.300 and 238.150

The premier U.S. Army Parachute Team is the Golden Knights is based out of Fort Bragg,



North Carolina. The team aircraft used during air shows is either the C-31A Friendship or UV-18A Twin Otter. Look for their communications on frequently reported frequencies of 123.400, 123.475 or 123.500 MHz. You should also keep 32.300, 32.400, 122.575, 124.875, 284.900 and 367.700 MHz plugged in for possible Golden Knight activ-

During 2001 and 2002 seasons I received several reports that the Golden Knights were using GMRS frequencies 462.625, 467.5625, and 467.6125 MHz. In addition to air show demo crews, vendors and other military ground units have also been heard using GMRS frequencies. You should make these frequencies part of your scanner load-out prior to the air show.

A	<u>B</u>	<u>C</u>
462.550	467.550	462.5625
462.575	467.575	462.5875
462.600	467.600	462.6125
462.625	467.625	462.6375
462.650	467.650	462.6625
462.675	467.675	462.6875
462.700	467.700	462.7125
462.725	467.725	

(462.675/467.675 National Emergency Frequency pair)

Legend:

- A. Base station, Mobile relay, Fixed station, or Mobile station
- B. Mobile station, Control station, Fixed station operating in Duplex mode.
- C. Intersticial frequencies, base and portable simplex

We have received several reports of the ground pyrotechnics personnel from the Tora Tora Tora and Warbirds flight demonstration team using FRS radios for communications during shows. You will also find military monitoring enthusiasts attending an air show using FRS radios to coordinate meeting fellow monitors. Load up FRS frequencies below (NBFM mode) in your scanner or carry a FRS radio to the show, and you might make a new Milcom monitoring friend or two.

4/0 5/05	O 1.1
462.5625	Channel 1
462.5875	Channel 2
462.6125	Channel 3
462.6375	Channel 4
462.6625	Channel 5
462.6875	Channel 6
462.7125	Channel 7
467.5625	Channel 8
467.5875	Channel 9
467.6125	Channel 10
467.6375	Channel 11
467.6625	Channel 12
467.6875	Channel 13
467.7125	Channel 14

The government version of the Family Radio Service is known as the Intra-Squad Radio or ISR. As noted above. I have seen several reports over the last few years that these radios might be in use at air shows by military units, including the Civil Air Patrol (CAP). It might be a good idea to program these frequencies in your scanner as part of your air show load-out.

396.8750	Channel 1
397.1250	Channel 2
397.1750	Channel 3
397.3750	Channel 4
397.4250	Channel 5

U.S. Civil Air Patrol Frequencies

Finally, you might want to program U.S. Air Force Civil Air Patrol frequencies in your scanner as well. We received several reports in 2005 of CAP frequen-

cies, repeaters and simplex, being used as ground support at several air shows. Below is a starter list of CAP frequencies to load up for air show use.

There are supposed to be new additional VHF narrowband frequencies for CAP, but this civilian auxiliary organization (that was supposed to have a mission of educating young people in aerospace subjects) is now also performing homeland security missions and anti-narcotics surveillance missions, and has therefore classified all of their frequencies FOUO (For Official Use Only).

An even more disturbing fact about CAP is that Congress in February 2003 amended the Omnibus Crime Control and Safe Streets Act of 1968 to make members of the Civil Air Patrol eligible for Public Safety Officer death benefits in case they lose their lives during a homeland security CAP mission.

143.750 143.900 148.125 148.1375 148.150 148.5375 148.975 149.5375

Civilian/Foreign Air/Parachute **Demonstration Teams**

The Canadian Forces Snowbird aircraft demonstration team (431 Air Demonstration Squadron) is another regular on the U.S./Canada air show circuit. The following frequencies have been recently reported for this popular aerial team:

123.325 227.600 242.600 245.500 245.750 246.500 272.100 (Primary) 284.900 299.500 333.300 340.100

A new Snowbird VHF frequency has now been noted in use during the last two seasons –116.000 MHz (AM), but 272.100 is the only UHF frequency reported in 2005.

At most air shows the military flight demonstration units aren't the only performers. Civilian organizations, companies, and individuals sponsor a wide variety of aerobatic teams and parachutists to thrill the crowd. A wide variety of frequencies are used by these teams in the civilian aviation band. If you load your scanner with the following frequencies you shouldn't miss out on communications used by the civilian acts.

122.725 122.750 122.775 122.825 122.850 122.875 122.925 122.950 122.975 123.025 123.050 123.075 123.150 123.175 123.300 123.325 123.350 123.400 123.425 123.450 123.475 123.500 129.650 129.925 136.575 136.975



Some specific frequencies reported to us for other foreign military and US civilian flight demonstration teams include:

Civilian Flight Demonstration Teams

Aeroshell Aerobatics Team 123.150

Air Force Reserve Biplane (Ed Hammil) 123.150 All American Firebirds Flight Demonstration Team 122,775

Bud Light Air Force (ex-Coors Microjet) 122.925 123.350 123.475

Firecat (Rich Perkins) 123.500

Flying Colors Hang Glider Aerobatic (Dan Buchanan) 123.300

French Connection Air Show 122.925 122.975 129 975

Geiko Extra 300 - Tim Webber 123.150

Ian Groom's FedEx Red Bull Aerobatic Team 122.725 122.775 122.825 122.925 123.150 123.350

Jim LeRoy Bulldog Team 123.150

Lima Lima Flight Team 123.150 123.175 123.425

Manfred Radius Glider Aerobatics Team 123.150

North American Jet Air Show Team 122.775 122.925 129.650 129.925

Northern Lights Aerobatic Team 123.325 136.975

Oreck Vacuum Cleaners Aerobatic Demo (Frank Ryder) 123.450

Otto the Helicopter 123.150 123.300

P-51 Mustang Flight Team 122.850 122.875 (Commemorative Air Force)

Patty Wagstaff Air Shows Inc 122.750 123.475

Pitts Special U.S. Air Force Reserve 123.150 Rayban Gold Aerobatics Team 122.925

Red Baron Stearman Squadron 122.725 122.775 123.150

Red Eagles Flight Demo Team 123.150 123.425 123.475

Sean Tucker Power Aerobatics 122.875 122.950 123.150 123.475

SIAI Marchetti SF260 Debbie Gary 123.150

Showcopters 123.150 134.700 Sky Soldiers Demonstration Team (Army Aviation

Foundation) 123.025 242.400 Skytypers Team 122.775

Swift Magic Aerobatic Team 122.775 122.925 Team Red 123.350

Tora Tora Tora Warbirds Team (Commemorative Air Force) 123.150 123.450 469.500 469.550

Foreign Military Flight Demonstration Teams

Asas de Portugal, Esquadra 103 (Wings of Portugal 103 Squadron) Flight Team 262.150

Blue Eagles Royal Army Air Corps Flight Team (UK) 136.975

Blue Tango Helicopters 123.600 Brazilian Air Force Team (Brazil)

130.550 130.650 132.250 British Army Red Devils Parachute Team (UK) 462.625

Canadian Forces Skyhawks Parachute Jump Team (Canada) 123.000 294.700

Falcons Royal Air Force Parachute Jump Team (UK) 255.100 465.100

Frecce Tricolori Military Flight Team (Italy) 307.800 381.000 Grasshopper Helicopter Team (Netherlands) 281.100 Halcones Military Flight Team

(Chile) 136.175 La Patrouille Adecco Air Force

Flight Team (France) 121.850 123.600 138.450 141.825 143.100 143.850 242.650

La Patrulla Aguila Military Flight Team (Spain) 130.500 252.500

Le Royal Jordanian Teams (Jordan) 123.500 Les Breitling (Switzerland) 127.350

Les Iskry (Poland) 123.600 Marche Verte [Green March] (Morocco) 135.000 135.925 (Ground) 135.500 (Air-to-Air)

Military Stars Flight Team (Turkey) 264.400 279,600

Patrouille Suisse Military Flight Team (Switzerland) 288.850

Red Arrows Royal Air Force Flight Team (UK) 242.200 242.050 243.450 253.450

In Closing

It is always difficult to predict what a new season will bring so I strongly encourage readers to watch the Monitoring Times website (www. monitoringtimes.com) for new frequency information. We will publish updates on our air show web page as we get new information from field reports during the season.

Finally, I would like to extend a sincere thanks to a record 97 contributors who shared their post show reports with us last year. I want to especially thank several overseas reporters who added new material to our foreign teams section. I deeply appreciate the time and effort each of you took to let us know what you heard at many of the air shows.

If you find this list useful and attend an air show in 2006, please pass along any frequencies that you monitor, whether it is on our list above or not. This will greatly help us keep this annual MT listing up-to-date. You can reach me via e-mail at larryvanhorn@monitoringtimes.com or by our snail mail address MT Milcom, 7540 Highway 64 West, Brasstown, NC 28902.

For 2006 air show SCHEDULES and recommended monitoring EQUIPMENT, please turn to Milcom on page 52.





Monitoring Military Flight Demonstration Groups Equipment and Schedules

he forepart to this guide for monitoring airshows starts on page 10 and addresses how to find the frequencies to monitor. Now we turn to two more critical requirements for successful monitoring - Where can you find an airshow, and what equipment will you need to listen in?

EQUIPMENT

Not Just Any Old Scanner

I am frequently asked which scanner I recommend for air show monitoring. While I don't have a favorite in this regard, I have prepared the list below as a purchase guide for receivers that meet all the requirements. Some scanners currently being marketed and almost all older scanners on the used market are not suited for air show monitoring. There are certain requirements your air show radio has to meet in order to successfully listen to the two major military aerial demonstration teams – the Blue Angels and the Thunderbirds.

If you are going to a Thunderbird show, you will need a scanner that can monitor the 138-150 MHz military land mobile band in the AM mode. Most of the older Uniden scanners cannot be used for air show monitoring due to their lack of independent transmission mode selection

You will also need a scanner that has the 225-400 MHz military aeronautical band in it. Most of the action (especially for the Blues) will be heard in this military UHF portion of the spectrum. Adding this criterion to the mix of possible radios narrows down our choice for air show scanners even further.

The information below includes current Grove Enterprises stock codes/prices (if carried by Grove) for the items indicated, but does not include shipping or taxes (if applicable). Prices are subject to change without notice, so be sure to call the Grove order department at 800-438-8155 or visit www.grove-ent.com (or MT advertisers) for current pricing and availability.

Handheld Unit	Grove #	Price
Alinco DJ-X7	SCN03	\$179.95
Alinco DJ-X10T	SCN01	\$319.95
Alinco DJ-X2000T	SCN10	\$549.95
AOR AR-8200 Mk III	SCN51	\$589.95
Icom IC R-3	SCN07	\$349.95
Icom IC R-5	SCN02	\$199.95
Icom IC R-20	SCN20	\$519.95*
Radio Shack Pro-97		\$199.99
Uniden BC-296D	SCN42	\$489.95**
Uniden BR-330T	SCN30	\$279.95
Uniden BCD-396T	SCN47	\$524.95**

Handheld Listening Tip: If you are going to use a handheld scanner at the air show, there is another purchase you should consider - an extra set of charged batteries. Murphy's Law applies and nothing is worse than having your batteries die half way through the show with no replacements.

Base/Mobile Unit	Grove #	Price
AOR AR-3000AB	SCN26	\$1062.95
AOR AR-5000A+3	В	RCV44P
\$2569.95		
AOR AR-8600 Mk I	ISCN11	\$889.95
JRC NRD-545	RCV21DS	\$1799.95
(Must order the	optional A	CC11DS VHF-
UHF converter a	t \$349.95)	
Radio Shack Pro-20	055	\$229.99
Uniden BC-898T	SCN44	\$209.95
Uniden BC-796D	SCN43	\$519.95**

Computer Hosted

Receivers	Grove #	Price
WinRadio WR-1550e	RCV47-E	\$549.95
WR-1550i	RCV47-I	\$499.95
WR-3150e	RCV48-E	\$1849.95
WR-3150i-DSP	RCV48-I	\$1849.95
WR-3500e	RCV49-E	\$2395.95
WR-3500i-DSP	RCV49-I	\$2395.95
WR-3700e	RCV50-E	\$2895.95
WR-3700i-DSP	RCV50-I	\$2895.95

Per our MT review (November 2004), this unit has a lack of sensitivity from 280-295 MHz which does affect UHF military aircraft monitoring.

Includes APCO-digital/trunk capability

SCHEDULE

2006 Performance Calendar

Note: If security levels increase in a base to Threat Condition "Bravo" or above, many military installations will not have public air shows. Consequently, demonstration schedules dates listed below are subject to change or cancellation without notice.

Demonstration Group Abbreviations

zemensi anen ereep Assi erianensi
BANavy Blue Angels
BDArmy Black Daggers
CF18 Canadian Forces CF-18 Horne
Demo Team
F15WACC F-15 West Coast Demo
Team
F16WViper West F-16 Demo team
GKArmy Golden Knights
SBCanadian Snowbirds
SWArmy Silver Wings
TBAir Force Thunderbirds

Base Abbreviations

Air Rasa

~D	
ACC	Air Combat Command
AFAF	Air Force Auxiliary Field
AFB	Air Force Base
ARB	Air Reserve Base
CFB	Canadian Forces Base
JRB	Joint Reserve Base
MCAS	Marine Corps Air Station
NAF	Naval Air Facility
NAS	Naval Air Station
TBD	To Be Determined

Dates Group: Locations

Mar 11	BA/F16W: NAF El Centro, CA
Mar 18-19	BA: Sacramento, CA; SW: Colum-
	bus, GA; F16W: Punta Gorda, FL

Mar 25-26 BA: TBD; TB: Ft Smith, AR

Mar 26 SW: Hamilton, GA

BA: NAS Kingsville, TX; TB/GK: Apr 1-2 Punta Gorda, FL; SW: Jasper, TX; F15W: St. Petersburg, FL; F16W: Davis Monthan, AZ

BA: Charleston AFB, SC; TB/GK: Apr 8 Maxwell AFB, AL

F16W: NAS Corpus Christi, TX Apr 8-9 Apr 9 TB/GK: Columbus AFB, MS

F15W: Wilmington, NC Apr 15-16

F15W: Shaw AFB, SC; F16W: Apr 22 Louisville, KY

Apr 22-23 BA: Louisville, KY; TB/GK: Tyndall AFB, FL

Apr 29 SW: Auburn, AL

Apr 29-30 BA/GK: NAS Atlanta, GA; TB: March ARB, CA; SB: Vidalia, GA; F15W: Ft Lauderdale, FL; F16W: Nacogdoches, TX

May 5-7 BA/SB/GK: Ft Lauderdale, FL; TB/CF18/GK: Langley AFB, VA; F16W: Temple, TX; F15W: MCAS Cherry Point, NC

May 10 SB: Pope AFB, NC

F16W: Shafter, CA May 13

May 13-14 BA/GK: NAS Fort Worth, TX; TB: Robins AFB, GA; F15W: Tyndall AFB, FL; SB: New River, NC; GK: Dover AFB, DE

F16W: Van Nuys, CA May 14 May 17

SB: Kingston, ÓN Canada May 19-21 BA/GK: Andrews AFB, MD

May 20 TB: Altus AFB, OK

May 20-21 F15W: Millville, NJ; F16W: Selfridge ANGB, MI

May 20-22 SB: North Bay, ON Canada

May 21 TB: Dyess AFB, TX

May 24 BA: USNA, Annapolis, MD; St Thomas, ON Canada

May 24-26 F15W: Maxwell AFB, AL

BA: USNA Graduation Flyover, May 26 Annapolis, MD

May 27-28 BA/GK: Jones Beach, NY; TB: Cannon AFB, NM; SB: Virden, MB Canada; CF18: Tullahoma, TN

May 31 TB: US Air Force Academy, Colorado Springs, CO Jun 3-4 BA: Davenport, IA; TB/GK: Beale AFB,

CA; F16W: McGuire AFB, NJ; SB: Portage Le Prairie, MB Canada; CF18: Southport, MB Canada

Jun 4 F15W: Malmstrom AFB, MT SB: Thunder Bay, ON Canada Jun 7

GK: Janesville, WI Jun 9-11

Jun 10-11 BA/SB/CF18: Quebec City, PQ Canada; TB: Hill AFB, UT; F15W: Rochester,

SB: Riv du Loup, PQ Canada Jun 14 Jun 16-17 BA: Leeuwarden AB, Netherlands

Jun 16-18 F15W: Muncie, IN

Jun 17-18 TB: NAS/JRB Willow Grove, PA; SB/ CF18: Ottawa, ON Canada; GK: Whiteman AFB, MO

Jun 21 SB: TBD

Jun 22-25 F16W/GK: Evansville, IN

Jun 23-25 CF18: Borden, ON Canada Jun 24 SB: Oshawa, ON Canada

Jun 24-25 BA: Barnes ANGB, Westfield, MA; TB/GK: North Kingston, RI

Jun 25 SB: Borden, ON Canada Jun 28 SB: Cobourg, ON Canada

Jul 1 TB/GK: Kirtland AFB, NM; SB: Ottawa - Canada Day

BA: Traverse City, MI; F15W: Tinker Jul 1-2 AFB, OK

TB: Battle Creek, MI Jul 3-4 Jul 4 SB: Battle Creek, MI

BA/F15W: Pittsburgh, PA; TB/GK: Du-Jul 8-9 luth, MN; F16W: Fargo, ND

Jul 15-16 BA: Pensacola Beach, FL; TB/GK/F16W: Milwaukee, WI; F15W: Dayton, OH

SB: Meadow Lake, SK Canada Jul 20

Jul 21-30 SW: Rantoul, IL

TB: Grand Forks AFB, ND; SB/CF18: Jul 22 Yellowknife, NT Canada

Jul 22-23 BA: Sioux Falls, SD; GK: Muskegon,

Jul 23 TB/GK: Casper, WY; CF18: Peace River, AB Canada

Jul 24 SB: Ft Smith, NW Canada

Jul 26 TB: Cheyenne, WY; SB: Dawson Creek, BC Canada

Jul 29 SB: Lethbridge, AB Canada

Jul 29-30 BA: Dayton, OH; TB: Fairchild AFB, WA; F15W: McChord AFB, WA; F16W: Oswego, NY; CF-18 Lethbridge, AB Canada

SB: Williams Lake, BC Canada Aug 2

Aug 4-6 BA: Seattle, WA; GK: Portland Hillsboro, OR

Aug 5-6 SB/F16W: Comox, BC Canada

GK: Buckley ANGB, CO Aug 6

Aug 11-13 SB/CF18: Abbotsford, BC Canada

Aug 12-13 BA/GK: Elmendorf AFB, AK; TB: Scott AFB, IL; F15W: Minot AFB, ND; F16W: Klamath Falls, OR

CF18: Rocky Mountain House, AB Aug 15 Canada

Aug 16 SB: Rocky Mountain House, AB Cana-

Aug 18-20 BA/GK/F15W: Chicago, IL

Aug 19-20 TB/GK: Burlington, VT; SB/CF18: Saskatoon, SK Canada

Aug 23 TB/GK: Atlantic City, NJ

Aug 25-27 F16W: Santa Maria, CA Aug 26 F15W: Ellsworth AFB, SD

Aug 26-27 TB: Mt Comfort, IN; SB: St Catharines, ON Canada; CF18: Niagara Falls, ON

F15W: Atlantic City, NJ; SB: Brantford, Aug 30 ON Canada

Sep 2-4 BA/GK: Cleveland, OH; TB: Gary, IN; SB/CF18: Toronto, ON Canada

Sep 9 F16W: Cannon AFB, NM Sep 9-10 BA: NAS Oceana, VA; TB/GK: McConnell AFB, KS; SB/CF18: Halifax, NS Canada; F15W: Clarinda, IA

Sep 13 SB: Gander, NF Canada

Sep 15-17 TB: Reno, NV

Sep 16-17 BA/GK: Kansas City, KS; SB: Summerside, PE Canada: F15W/F16W: Mountain Home AFB, ID

Sep 20 SB: LaTuque, PQ Canada Sep 23-24 BA/GK: Lincoln, NE; TB: Rockford, IL; SB/CF18: Sarnia, ON

Canada; F15W: Fort Worth, TX; F16W: Martinsburg, WV

Sep 30-Oct 1 BA: Nantucket, MA; TB: Forth Worth, TX; SB: Redding, CA; F15W: Salinas, CA

Oct 4 SB: Mojave, CA

Oct 7-8 BA/F16W: San Francisco, CA; TB: NAS Pax River, MD; SB/GK: El Paso, TX; F15W: San Angelo,

TX

Oct 13 SB: Moose Jaw, SK Canada Oct 14-15 BA/GK/F16W: MCAS Miramar, CA; F15W: Travis AFB, CA

TB: Seymour Johnson AFB, NC Oct 15 Oct 21-22 BA: Goodyear, AZ; TB: Houston,

TX: F16W: Edwards AFB. CA Oct 26 F15W: La Aurora, Guatemala

Oct 28-29 BA: NAS Jacksonville, FL; TB: Edwards AFB, CA; F15W: Ilopango, El Salvador; F16W: Glendale, AZ

Nov 1 F15W: Acapulco, Mexico F16W: Keesler AFB, MS Nov 4

Nov 4-5 BA: Little Rock AFB, AR; TB: Lackland AFB, TX; F15W: Randolph AFB, TX

Nov 10-11 BA: NAS Pensacola, FL

Nov 11-12 TB/F16W: Nellis AFB, NV; F15W: Stuart, FL

