

**TRADEMARK**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Air Chart Corp.

**SERIAL NO:** 77/814930

**LAW OFFICE:** 113

**FILED:** August 28, 2009

**TRADEMARK ATTORNEY:** Ty Murray

**MARK:** AIR CHART SYSTEMS

Correspondent's Ref./Docket No.: AICC AIRCUS

Commissioner for Trademarks  
P.O. Box 1451  
Alexandria, VA 22313-1451



**05-24-2010**

U.S. Patent & TMO/PTM Mail Rpt Ct. #20

**RESPONSE TO OFFICE ACTION**

This paper responds to the Office Action of December 7, 2009, in the above-designated application to register AIR CHART SYSTEMS as the trademark of Air Chart Corp. for aerial navigational charts.

Please enter the following disclaimer:

No claim is made to the exclusive right to use "AIR CHART" apart from the mark as shown.

Please amend the application in the second full paragraph (as submitted on August 28, 2009) by changing the words "Principal Register" to "Supplemental Register".

**REMARKS**

In accordance with the examining attorney's requirement, applicant has disclaimed the word "AIR CHART" apart from the mark as shown.

Applicant has further amended the application so that it now seeks registration on the Supplemental Register, not the Principal Register.

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Trademarks, P.O. Box 1451, Alexandria, VA 22313-1451, on May 19, 2010.

  
Edward A. Boeschenstein, Reg. 22,986

The examining attorney has request product information. To this end, applicant submits herewith photocopies of representative pages from the publication sold under the trademark AIR CHART SYSTEMS. Actually, the submission takes the form of an atlas containing numerous charts. Included are the cover, all pages containing text, as well as a few of the actual charts. The atlas itself measures about 12 X 12 inches and is about one inch thick containing in excess of 300 pages. In addition, applicant submits a promotional brochure for the aerial navigational charts sold under the mark AIR CHART SYSTEMS.

The actual atlas sold under the mark AIR CHART SYSTEMS provides the answers to the examining attorney's inquiries as to how the mark is used.

Applicant notes that a search of the Trademark Office records produced no mark, registered or the subject of a pending application, with which AIR CHART SYSTEMS is likely to be confused.

In view of the foregoing, favorable consideration and registration on the Supplemental Register are respectfully requested.

Respectfully submitted,



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# VOR ID & Lat/Long

use for 1) locating VOR on map for revised clearances etc. 2) Loran-C or GPS data entries for non data base units

(Name State Identifier Coordinates)

(Name State Identifier Coordinates)

(Name State Identifier Coordinates)

(Name State Identifier Coordinates)

(Name State Identifier Coordinates)

Aberdeen, SD (ABR) 45-25.0/98-22.1  
Abilene, TX (AB) 32-28.9/99-51.8  
Ada, OK (AD) 34-48.2/96-40.2  
Ainsworth, NE (AW) 42-34.1/99-59.4  
Akron, CO (AKO) 40-09.3/103-10.8  
Akron, OH (ACO) 41-06.5/81-12.1  
Alamosa, CO (ALS) 37-20.9/105-48.9  
Albany, NY (ALB) 42-44.8/73-48.2  
Albany, MN (ALB) 45-30.9/93-22.2  
Albuquerque, NM (ALB) 35-02.6/106-49.0  
Alexandria, LA (AEX) 31-15.4/92-30.1  
Alexandria, MN (AXN) 45-57.5/95-14.0  
Altoona, TX (ALT) 27-44.4/98-01.1  
Allegheny, PA (AGC) 40-16.7/80-02.5  
Allen County, OH (AHO) 40-42.4/83-58.1  
Allendale, SC (ALD) 33-00.7/81-17.5  
Allentown, PA (FIC) 40-43.6/75-27.3  
Alliance, NE (AAN) 42-03.3/102-43.7  
Alma, GA (AMP) 31-32.2/82-30.5  
Alpena, MI (APG) 45-05.0/83-33.4  
Altoona, PA (ACO) 40-19.5/78-18.2  
Altus, OK (TUS) 36-33.8/99-10.2  
Amedee, CA (AHC) 40-16.1/120-09.1  
Andalusia, AL (AJA) 31-18.6/86-23.5  
Andrews, MD (ADW) 38-48.4/76-52.6  
Anthony, KS (ANT) 37-59.5/96-10.2  
Anton Chico, NM (ACH) 35-06.7/105-02.4  
Applenton, OH (APE) 40-09.1/82-35.3  
Arcata, CA (ACV) 40-58.9/124-06.5  
Ardmore, OK (ADM) 34-12.7/97-10.1  
Armed, VA (AML) 38-56.1/77-28.0  
Ashland, VA (AST) 46-33.0/80-55.0  
Astoria, OR (ASX) 46-09.7/123-52.8  
Athens, GA (ATH) 33-56.9/83-19.5  
Atlanta, GA (ATL) 33-37.7/84-25.1  
Atlantic City, NJ (ACY) 39-27.4/74-34.6  
Aur Sable, MI (ASP) 44-26.9/83-27.7  
Augusta, ME (AUG) 44-19.2/69-47.8  
Austin, MN (JAX) 43-34.8/92-55.2  
Avenal, CA (AVE) 35-38.9/119-58.7  
Bad Axe, MI (BAE) 43-47.0/82-59.0  
Badger, WI (BAE) 43-07.0/88-17.1  
Baker City, OR (BCK) 44-50.4/117-48.5  
Balltown, MD (BAL) 39-13.0/76-39.7  
Bangor, ME (BGR) 46-04.5/68-52.4  
Bard, AZ (BZA) 32-46.1/114-36.2  
Barnes, IA (BAF) 42-09.7/92-24.0  
Barnes Mtn, NC (BZM) 35-52.1/81-14.4  
Bartlesville, OK (BVC) 36-50.1/106-01.1  
Baton Rouge, LA (BTR) 30-29.1/91-17.6  
Battle Creek, MI (BTL) 42-18.6/85-15.1  
Battle Ground, WA (BTG) 45-44.9/122-35.5  
Battleground, MN (BAM) 40-34.1/116-55.3  
Baudette, MN (BOD) 48-40-34-38.4  
Beatrice, NE (BIE) 40-16.1/96-45.3  
Beatty, NV (BTE) 36-48.0/111-44.9  
Beaumont, TX (BPT) 29-58.6/94-01.0  
Beckley, WV (BCK) 40-45.1/79-57.4  
Belcher, LA (BEC) 32-46.3/93-48.6  
Bellair, OH (AIR) 40-01.0/80-49.0  
Bemidji, MN (BJJ) 47-34.6/95-01.5  
Berlin, NH (BML) 44-30.8/71-11.2  
Bible Grove, IL (BIB) 38-55.2/88-29.8  
Big Piney, WY (BPI) 42-44.0/101-06.6  
Big Spring, TX (BGS) 32-23.1/101-29.0  
Big Sur, CA (BSR) 36-10.9/121-38.5  
Bigbee, MS (CSB) 33-29.1/88-30.8  
Billings, MT (BIL) 45-48.5/108-37.5  
Binghamton, NY (CBF) 42-09.4/75-08.2  
Bishop, CA (BIH) 37-22.6/118-22.0  
Bismarck, ND (BIS) 46-45.7/100-39.9  
Black Forest, CO (BFR) 39-56.7/104-38.0  
Bloomington, IL (BML) 40-28.8/88-55.9  
Blue Mesa, CO (HBU) 38-27.1/107-02.4  
Bluefield, WV (BLF) 37-18.1/81-11.7  
Blythe, CA (BLH) 33-35.8/114-45.7  
Boiler, IN (BVT) 40-33.4/87-04-21  
Boise, ID (BOI) 43-33.2/116-11.5  
Boles, MN (BWS) 42-39.3/106-00.8  
Bonham, TX (BGP) 32-32.2/96-14.0  
Bonneville, UT (BON) 40-33.4/111-55.4  
Borger, TX (BYD) 35-48.4/101-22.9  
Boston, MA (BOS) 42-21.4/70-59.4  
Boulder City, NV (BLD) 35-59.7/114-51.8  
Bowling, TX (UKW) 33-37.0/97-49.3  
Bowling Green, KY (BWG) 36-57.0/86-26.6  
Bowman, KY (BOM) 38-13.8/85-39.9  
Boysen Reservoir, WY (BOY) 43-27.8/108-18.0  
Bozeman, MT (BZN) 45-47.0/111-09.3  
Bradford, IL (BRF) 41-09.8/89-35.1  
Bradford, PA (BRF) 41-47.2/78-37.2  
Bradley, CT (BDL) 41-56.5/72-41.3  
Brainerd, MN (BRD) 46-20.9/94-01.6  
Brammer, MO (BRS) 39-37.8/93-52.5  
Brickyard, IN (BRI) 38-48.3/86-22.0  
Bridgeport, CT (BDR) 41-09.6/73-07.5  
Briggs, OH (BSV) 40-41.0/81-25.9  
Brigham City, UT (LHO) 41-47.6/112-00.6  
Broadway, NJ (BRW) 40-47.9/74-49.3  
Brooke, VA (BRV) 38-20.2/77-21.2

Brookings, SD (BRO) 44-18.2/96-48.9  
Brookley, AL (BFM) 30-36.8/88-03.3  
Brookwood, AL (CKW) 33-14.4/87-15.0  
Brownsville, TX (BRC) 28-55.4/97-22.5  
Brownwood, TX (BWD) 31-53.6/98-57.4  
Brownsville, GA (SSJ) 31-03.0/81-26.8  
Bruce Canyon, UT (BCE) 37-41.4/112-18.2  
Buckeye, AZ (BUX) 33-27.2/112-49.5  
Buckeyes, OH (BUD) 40-37.0/83-03.8  
Buffalo, NY (BUF) 42-57.7/78-38.8  
Buffalo, SD (BUA) 45-33.1/103-27.4  
Bullion, MN (BUJ) 40-45.6/115-45.7  
Burburn, WI (BUJ) 42-41.4/89-18.1  
Burling, IL (BYI) 42-34.8/113-52.0  
Burlington, IA (BRL) 40-43.4/90-55.6  
Burlington, VT (BTV) 44-23.9/73-11.0  
Burns Flat, OK (BFV) 35-14.2/99-12.4  
Butler, CO (CUM) 38-16.3/104-29.3  
Butts, CO (FCS) 38-40.8/104-45.4  
Byers, CO (BVR) 39-45.9/103-55.7  
Cairns, AL (CZF) 31-16.1/85-43.6  
Caledonia, MS (CSE) 33-35.5/89-26.3  
Calverton, NY (COC) 40-55.8/72-47.9  
Cambridge, NY (CAM) 42-59.7/73-20.6  
Cambridge, OH (CRH) 41-46.7/82-53.7  
Cape Charles, VA (CCV) 37-20.9/75-59.9  
Cape Girardeau, MO (CGI) 37-13.7/89-34.3  
Carbondale, IL (CAP) 39-53.0/89-37.5  
Carroll, UT (PUC) 39-36.2/110-45.2  
Cardinal, MO (CSX) 38-45.2/90-21.7  
Carleton, MI (CRL) 42-02.9/83-27.5  
Carlsbad, NM (CNM) 32-15.4/104-13.6  
Carmel, IN (CMK) 41-16.8/87-34.9  
Casamora, VA (CSN) 38-35.5/77-51.9  
Cecil, FL (WQ) 30-42.8/81-53.5  
Cedar City, UT (CDC) 37-47.2/113-04.1  
Cedar Creek, TX (CCY) 32-11.1/89-13.1  
Cedar Lake, NJ (VCN) 39-32.3/74-59.0  
Chesterfield, SC (CFR) 34-39.0/81-47.1  
Center Point, TX (CSI) 29-55.3/99-12.9  
Centex, TX (CVK) 30-22.7/97-31.8  
Central City, KY (CCT) 37-20.2/87-15.8  
Centralia, WA (CEL) 38-25.8/124-05.5  
Chadron, NE (CDR) 42-33.5/103-18.7  
Champaign, IL (CMI) 40-02.1/88-16.6  
Chanute, KS (CNU) 37-37.6/95-35.6  
Charodon, OH (CXH) 41-31.0/81-09.8  
Charleston, SC (CHS) 32-53.7/80-02.3  
Charleston, WV (HVC) 38-21.0/81-46.2  
Charlotte, NC (CLT) 35-11.4/80-57.1  
Cherokee, WY (CKR) 41-45.3/107-34.9  
Chester, MA (CTR) 42-57.2/72-57.0  
Chickasha, OK (CCK) 34-39.0/98-16.0  
Cheney, WY (CYS) 41-12.7/104-46.4  
Chicago Heights, IL (CGT) 41-30.6/87-34.3  
Chicago O'Hare, IL (ORD) 41-59.3/87-54.3  
China, CA (CIC) 38-41.1/121-02.8  
Childress, TX (CDS) 34-22.1/100-17.3  
Chisum, NM (CME) 32-20.1/104-37.3  
Choo Choo, TN (GCO) 34-57.1/86-09.2  
Cimarron, NM (CMI) 36-29.5/104-52.3  
Cincinnati, KY (CVG) 39-01.0/84-42.2  
Clarian, PA (CIP) 41-06.8/79-27.5  
Clarksburg, WV (CKB) 39-15.2/80-16.1  
Clarksville, TN (CKV) 36-37.3/87-24.8  
Clovis, CA (CZQ) 36-53.1/119-48.9  
Coalfield, NV (OAL) 38-00.2/117-46.2  
Cochise, AZ (CIE) 32-02.0/109-45.5  
Cody, WY (COD) 44-37.2/108-57.9  
Coeur D'Alene, ID (COE) 47-46.1/116-49.2  
Colfield, NC (CVI) 38-22.4/76-52.3  
College Station, TX (CLL) 30-36.3/96-25.2  
Colliers, SC (IRO) 33-42.4/82-09-09  
Colts Neck, NJ (COL) 40-18.7/74-09.6  
Concord, CA (CON) 38-46.6/122-13.1  
Columbia, SC (CAE) 33-51.4/81-03.2  
Columbia, CA (CSG) 32-36.9/85-01.1  
Columbus, NE (OLU) 41-27.0/97-20.4  
Columbus, MN (CUS) 41-49.1/107-34.5  
Columbus, OH (CMH) 39-02.7/82-32.7  
Concord, NH (CON) 43-13.2/71-34.5  
Cones, CO (ETL) 38-02.4/108-15.5  
Coppertown, MT (CPN) 46-01.9/112-44.9  
Corona, NM (CRN) 32-22.0/105-40.7  
Corpus Christi, TX (CRP) 27-54.2/97-26.7  
Cortez, CO (CEZ) 37-23.4/108-33.7  
Corvallis, OR (CVI) 44-01.0/123-17.6  
Cottalia, TX (COT) 28-27.7/99-07.1  
Cowboy, TX (COW) 32-53.4/96-54.2  
Coyle, NJ (CYN) 39-49.0/74-25.9  
Cozad, NE (OZB) 40-52.2/100-00.2  
Craig, FL (CRG) 30-20.3/81-30.0  
Crazy Woman, WY (CZJ) 43-60.1/106-26.1  
Crescent City, CA (CEC) 41-46.8/124-14.5  
Crestview, FL (CEW) 30-49.6/86-40.7  
Crimson, AL (LDK) 33-15.5/87-32.2  
Cross City, FL (CTY) 29-35.9/83-02-02  
Crown Point, IN (CNP) 40-37.0/85-20.3  
Custer County, NE (CUZ) 41-29.0/99-41.3

Cut Bank, MT (CTB) 48-33.9/112-20.6  
Cypress, FL (CY) 29-09.2/81-46.7  
Daggett, CA (DAG) 34-57.7/116-34.7  
Daisetta, TX (DHS) 31-11.4/94-38.7  
Dalhart, TX (DHT) 36-05.5/102-32.7  
Danville, IL (DNV) 40-17.6/87-33.4  
Danville, VA (DAN) 36-34.1/79-29.2  
Darwin, MN (DWN) 45-02.2/94-27.2  
Davenport, IA (CVA) 41-42.5/90-29.0  
Davis, OK (MEE) 35-39.8/95-22.1  
Dayton, OH (DON) 40-01.0/84-23.4  
De Lancey, NY (DNY) 42-10.7/74-57.4  
Decatur, AL (DCU) 34-38.9/86-58.4  
Decatur, IL (DFC) 39-44.3/88-51.4  
Deer Park, NY (DEP) 40-47.5/73-18.2  
Dells, WI (DLL) 43-33.1/89-45.8  
Delta, UT (DTA) 39-18.1/112-30.3  
Deming, NM (DMN) 32-16.5/107-36.3  
Denver, CO (DEN) 39-48.8/104-39.6  
Des Moines, IA (DSM) 41-26.2/93-38.9  
Deschutes, OR (DSJ) 44-15.2/121-18.2  
Detroit, MI (DTX) 42-3.0/83-22.2  
Detroit Lakes, MN (DTL) 46-49.5/95-53.2  
Devils Lake, ND (DVL) 46-06.9/98-54.8  
Dickinson, ND (DIK) 46-51.8/102-46.4  
Dillon, MT (DIL) 45-14.9/112-32.8  
Dodge City, KS (DDC) 37-51.0/100-00.3  
Dogwood, MO (DGD) 37-01.4/92-52.6  
Dolphin, IL (DHP) 25-48.0/90-20.0  
Donnelly, ID (DNI) 44-06.0/119-12.4  
Douglas, AZ (DUG) 31-28.4/109-36.1  
Dove Creek, CO (DVC) 37-48.5/108-55.9  
Downtown, LA (DTN) 32-32.4/90-44.5  
Drake, AR (DAK) 36-02.6/94-11.5  
Drake, IA (DRI) 44-06.0/112-12.6  
Drummond, MT (DRU) 46-38.2/113-11.2  
Dryer, OH (DJB) 41-21.5/82-06-37  
Dublin, GA (DUB) 34-23.3/82-49.8  
Dubois, ID (DBS) 44-05.3/112-12.6  
Dubuque, IA (DBQ) 42-24.1/90-42.5  
Duluth, MN (DLH) 46-48.1/92-12.2  
Duncan, OK (DUC) 37-24.2/103-55.0  
Dunsmuir, CA (DUN) 40-57.1/121-42.9  
Dunwoody, GA (DUN) 33-21.0/84-15.0  
Duroit, WY (DUR) 41-57.1/101-20.1  
Dupage, IL (DPA) 41-53.4/88-21.0  
Dupont, DE (DPO) 39-40.7/76-36.4  
Dyresburg, OH (DYS) 39-23.1/83-41.0  
Durango, CO (DRO) 37-39.0/107-45.0  
Dyersburg, TN (DYE) 36-01.1/89-19.1  
Eagle Lake, TX (ELA) 29-39.7/96-19.0  
East Texas, PA (ETX) 40-34.9/79-41.0  
Easton, MS (EAT) 35-10.6/92-16.9  
Eau Claire, WI (EAU) 44-53.9/91-28.7  
Edisto, SC (EDS) 33-27.0/80-51.0  
Edwards, CA (EDW) 34-58.9/117-44.0  
El Dorado, AR (ELD) 33-15.4/92-44.6  
El Paso, CA (EHP) 37-21.0/120-24.0  
El Paso, TX (ELP) 31-49.0/106-19.0  
El Toro, CA (ELB) 33-41.5/123-43.9  
Electric City, SC (ELC) 36-25.2/82-47.1  
Elizabeth City, NC (ECG) 36-15.5/76-10.5  
Elkins, WV (EKN) 38-54.9/80-06-20  
Elmwood, IA (JWW) 42-06.7/92-54.4  
Elmwood, MN (ELO) 47-49.3/91-48.9  
Ely, NV (ELY) 39-17.9/114-50.3  
Emporia, KS (EMP) 38-17.5/96-08.3  
Enterprise, AL (ENP) 31-17.8/86-54.2  
Ephrata, WA (EPH) 47-27.2/119-25.4  
Erie, PA (ERI) 42-01.0/80-17.0  
Escanaba, MI (ESC) 45-43.0/87-05.4  
Estherville, IL (EST) 43-24.8/94-44.7  
Eufrasia, AL (EUF) 31-57.0/85-07.8  
Evanston, OR (EUG) 44-07.3/123-13.4  
Eugene, WY (EWN) 41-16.3/111-02.8  
Evelyn, MN (EVL) 47-26.3/92-29.9  
Fairfield, UT (FFU) 40-16.5/111-56.4  
Fairmont, MN (FRM) 43-38.8/94-25.4  
Falcon, CO (FOF) 39-41.4/104-37.3  
Falls, WI (FAH) 43-46.1/87-50.9  
Fairmount, KY (FLM) 38-30.9/84-18.6  
Fargo, ND (FAR) 46-45.2/98-51.1  
Farrington, MN (FGT) 44-37.9/93-10.9  
Fayetteville, NC (FAY) 36-40.4/78-12.0  
Fayetteville, AR (FYV) 35-39.1/92-55.5  
Fellow, CA (FLW) 32-06.6/119-1.9  
Fergus Falls, MN (FFM) 46-17.4/96-09.4  
Fillmore, CA (FIM) 34-21.4/118-52.9  
Findlay, OH (FDY) 40-57.3/83-45.4  
Flatfish, AZ (FLF) 32-09.1/114-40.4  
Flat Rock, IA (FAK) 37-31.7/97-47.9  
Flint, MI (FNT) 42-58.0/83-22.5  
Flippin, AR (FLP) 36-18.0/92-27.5  
Florence, SC (FLO) 34-4.4/79-39.6  
Flying Cloud, MN (FCM) 44-48.5/93-27.9  
Footfalls, GA (FOF) 34-41.8/83-17.4

Foristell, MO (FTZ) 38-41.7/90-58.3  
Forney, MO (FBN) 37-44.5/92-08.3  
Fort Bridger, WY (FBR) 41-22.7/110-25.4  
Fort Dodge, IA (FOD) 42-36.7/94-17.7  
Fort Jones, CA (FJS) 41-27.0/122-48.4  
Fort Knox, KY (FKY) 37-54.4/85-58.4  
Fort Lauderdale, FL (FL) 26-04.0/80-09.1  
Fort Mill, SC (FMI) 34-59.3/80-57.3  
Fort Riley, KS (FRI) 38-58.2/96-51.7  
Fort Smith, AR (FSM) 35-23.3/94-16.3  
Fort Stockton, TX (FST) 30-57.1/102-58.5  
Fort Union, MN (FTU) 35-59.5/105-08.1  
Fort Payne, TN (FPA) 40-58.7/85-11.3  
Fortuna, CA (FOT) 40-40.3/124-14.1  
Frankfort, KY (FFT) 38-10.9/84-54.5  
Franklin, VA (FRK) 41-26.3/79-51.4  
Franklin, TN (FRK) 36-42.9/87-00.7  
Frankston, TX (FZT) 32-04.5/95-31.8  
Frederick, MD (FDK) 39-24.7/77-22.5  
Friant, CA (FRA) 37-06.3/119-35.7  
Gadsden, GA (GAD) 33-58.6/86-05.0  
Galesburg, MO (GAL) 38-23.3/91-41.5  
Galesburg, IL (GBG) 40-56.2/90-26.0  
Gallup, NM (GUP) 35-28.6/108-52.4  
Garden City, KS (GCK) 37-55.1/100-43.5  
Gardner, IA (GDE) 42-32.8/97-23.5  
Gators, FL (GNV) 29-41.5/82-16.4  
Gaviota, CA (GVO) 34-31.9/120-05.5  
Gaylord, MI (GLY) 45-07.0/84-42.2  
Glen Rose, TX (JEN) 32-08.6/97-52.7  
Georgetown, NY (GGT) 42-43.0/75-49.6  
Gila Bend, AZ (GBN) 32-57.4/112-40.5  
Gill, CO (GLL) 40-30.2/104-33.2  
Gillette, WY (GCC) 44-20.9/105-32.7  
Glen Rose, TX (JEN) 32-08.6/97-52.7  
Glenpool, OK (GNP) 35-55.3/98-58.1  
Glens Falls, NY (GFL) 43-20.5/73-36.7  
Goffs, CA (GFS) 35-07.9/115-10.6  
Good Springs, TX (LZZ) 31-11.1/89-08.5  
Goodland, KS (GDL) 37-31.1/101-41.5  
Gopher, MN (GEP) 45-08.7/93-22.4  
Gordonsville, VA (GVE) 38-00.8/78-09.2  
Gorman, CA (GMN) 34-48.2/118-51.7  
Goshen, IN (GOS) 40-57.7/85-9.9  
Gosnell, AR (GOC) 35-37.1/89-55.5  
Graham, TN (GHM) 35-50.0/87-27.1  
Grand Canyon, AZ (GCN) 35-57.6/112-08.8  
Grand Forks, ND (GFK) 47-57.3/97-11.4  
Grand Island, NE (GRI) 40-59.0/98-18.9  
Grand Junction, CO (GJC) 39-03.3/108-47.6  
Grand Rapids, MI (GRR) 42-47.2/85-29.8  
Grand Rapids, MN (GRP) 47-09.8/93-29.3  
Grand Strand, SC (GRS) 34-08.7/78-45.5  
Grand Strand, MD (GRV) 39-38.1/79-03.0  
Gray, TX (GRK) 31-02.0/97-48.8  
Graying, MI (GGG) 44-40.9/84-43.7  
Great Falls, MT (GTF) 47-27.0/111-24.7  
Green Bay, WI (GRB) 44-33.3/88-11.7  
Greenbrier, WV (LWB) 37-51.8/80-23.5  
Greene County, MS (GCV) 31-05.9/88-29.2  
Greensboro, NC (GSO) 36-02.7/79-58.6  
Greenville, IL (GEP) 30-33.1/83-47.0  
Greenville, MS (GLH) 33-31.4/90-59.0  
Greenwood, SC (GRD) 34-15.1/82-09.2  
Gregg County, TX (GGG) 32-25.1/99-45.2  
Grissom, IN (GSI) 40-38.7/86-09.1  
Groesbeck, TX (GRT) 34-31.9/96-32.9  
Groton, CT (GON) 41-19.8/72-03.1  
Guadalupe, CA (GLJ) 34-57.1/120-31.3  
Gulfpit, MS (GPT) 30-24.4/89-04.6  
Guthrie, MO (HGR) 39-41.9/97-51.3  
Hagerstown, PA (HAR) 40-18.1/77-04.2  
Hailey, ID (HEI) 43-19.7/114-14.6  
Halfway, MN (FOW) 44-12.3/93-22.2  
Hallsville, MO (FHV) 39-06.8/92-07.7  
Hamilton, AL (HAS) 34-11.7/88-00.8  
Hammond, LA (HMU) 30-31.2/90-29.5  
Hancock, IL (HEY) 31-22.4/88-39.1  
Hancock, NY (HNC) 43-37.5/75-19.0  
Hancock, CA (HNW) 38-43.5/120-45.0  
Hanksville, UT (HVE) 38-25.0/110-42.0  
Harrisburg, PA (HAR) 40-18.1/77-04.2  
Harvey, IL (HVR) 29-51.0/90-46.2  
Hayward, WI (HWR) 46-01.1/81-21.0  
Hayden, CO (CHE) 40-31.2/107-18.3  
Hayes Center, NE (HCT) 40-27.2/100-55.4  
Hays, KS (HYS) 38-50.9/99-16.6  
Hazard, MO (HAZ) 40-01.1/81-26.8  
Hazard, KY (AZC) 37-23.5/83-15.8

Hazen, NV (HZN) 39-31.0/118-59.9  
Hazen, PA (HZL) 40-58.5/78-07.5  
Hector, CA (HEC) 34-47.8/116-27.8  
Helena, MT (HLN) 46-36.4/111-57.2  
Henderson, WV (HNN) 38-45.2/82-01.6  
Hibbing, MN (HIB) 47-18.1/92-42.2  
Hill City, KS (HLC) 39-15.5/100-13.6  
Hinch Mountain, TN (HCH) 35-46.0/84-58.7  
Hipshear, WY (HIP) 42-40.6/105-13.6  
Hobart, OK (HBR) 34-52.0/89-03.8  
Hobbs, NM (HOB) 32-38.3/103-16.2  
Hobby, TX (HUB) 29-39.3/83-16.6  
Holly Springs, MS (HSA) 34-46.2/89-29.8  
Holston Mtn, TN (HMV) 36-26.2/82-07.8  
Homeland, CA (HDF) 33-46.6/117-11.1  
Hondo, TX (HDD) 29-20.3/99-10.7  
Hoosier, IN (HOO) 38-36.6/86-36.8  
Hopewell, VA (HPW) 37-19.7/77-07.0  
Houquiam, WA (HQM) 46-56.8/124-09.0  
Horlick, WI (HRK) 42-45.7/87-48.9  
Hot Springs, AR (HOT) 34-28.7/93-05.4  
Houghton, MI (CMX) 47-10.2/88-29.1  
Houghton Lake, MI (HTL) 44-21.5/84-39.9  
Houston, ME (HUL) 46-02.4/67-50.0  
Hudson, TX (HUP) 31-34.1/105-22.6  
Hugo, CO (HGO) 38-52.3/99-54.0  
Hughesville, NY (HUH) 41-24.6/74-37.5  
Humble, TX (IAH) 29-57.4/95-05.7  
Humboldt, MN (HMN) 48-52.2/97-07.0  
International Falls, MN (INF) 48-33.9/93-09.3  
Huntingburg, IN (HNB) 38-15.0/86-57.4  
Huron, SD (HON) 44-26.4/89-18.1  
Hutchinson, KS (HTU) 37-59.8/97-56.0  
Hutton, MO (HUT) 36-52.3/91-54.0  
Hutto, TX (HTO) 31-11.1/112-03.8  
Imperial, CA (IPL) 32-44.9/115-30.5  
Indian Head, PA (IHD) 39-58.5/78-21.2  
Industry, TX (IND) 29-57.4/96-33.7  
International Falls, MN (INF) 48-33.9/93-09.3  
Iowa City, IA (IOW) 41-31.1/89-36.8  
Iron Mountain, MI (IMT) 45-49.0/88-06.7  
Ironwood, MI (IWD) 46-31.9/90-07.6  
Ithaca, NY (ITH) 42-29.2/76-51.0  
Jackson, TN (JAC) 35-35.9/88-21.5  
Jackson, MI (JAN) 42-15.6/84-27.5  
Jackson, MS (JMS) 32-30.4/90-10.1  
Jacksonville, FL (JAX) 43-37.3/11-43.9  
Jacksonville, IL (JJK) 38-46.8/90-14.3  
Jamesstown, ND (JMS) 45-56.0/98-40.7  
Jamesstown, NY (JHW) 42-11.3/79-07.3  
Janesville, WI (JVL) 42-33.5/89-06.3  
Jeffco, CO (JFC) 38-54.8/106-05.6  
Jefferson, OH (JEF) 41-45.6/80-44.9  
Johnson County, KS (JOC) 38-50.4/94-44.2  
Johnstown, PA (JST) 40-19.0/78-50.0  
Joilet, IL (JOT) 41-32.8/89-19.9  
Jonesboro, AR (JBR) 36-09.0/90-35.3  
Julian, CA (JUL) 33-08.4/116-35.2  
Julian, TX (JCT) 30-41.9/99-49.1  
Junior, AL (JUV) 32-20.7/86-59.9  
Kalamazoo, MI (AZO) 42-14.2/85-33.2  
Kalspell, MT (FCA) 48-12.8/114-10.6  
Kankakee, IL (KCK) 41-04.0/87-51.1  
Kansas City, MO (MCI) 39-17.1/94-44.2



# IFR LOW ALTITUDE ENROUTE CHARTS

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### "COCKPIT LIBRARY MASTER INDEX"

KEY--C-Capt's Guide  
 I = IFR Low Altitude Atlas  
 T = Topographic Atlas  
 V = VFR Sectional Atlas (EW)

- Airport Idents.....C-T-V
- AIRPORTS: Cross Ref.: C
- Data.....C
- ARTCC Boundaries.....C
- Bahama Routes.....I-T
- Baja California.....T
- Class B & C Space Areas.....T
- Commercial Broadcast.....C
- Density Altitude.....C-I
- Emergency Radio Failure.....C
- Fixes/Intersections Lat/Longs..C
- Flight Plan Form or Data.....C-I
- FREQS: Airport Towers.....C-I-T-V
- Airport Non-Tower-C-V
- ASOS/AWOS.....C-I-V
- Canada.....V
- City Name.....C
- Center(on chart)...I
- Clearance Delivery..C-T-T-V
- CTAF.....C-V
- Departure...I
- FSS.....I-V
- NDB/LOM.....C
- Radio Station (AM)...C
- Towers.....C-I-T-V
- Unicom.....C-V

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| JULY 29                   |                               |
| +AUG 26                   |                               |
| SEPT 23                   |                               |
| +OCT 21                   |                               |
| NOV 18                    |                               |
| +DEC 16                   |                               |
| 2011 JAN 13               |                               |
| +FEB 10                   |                               |
| MAR 10                    |                               |
| +APRIL 7                  |                               |
| MAY 5**                   |                               |

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The IFR Low Altitude Enroute Atlas is organized as follows:

Non-Chart pages (1-13 and 346-348) ie ..... 12

2-Page Spread Chart Numbers, ie.....  
 (Charts 1 through 147)



Single Page Chart Numbers, ie.....  
 (Charts A1 through A15, located after Chart 147)



Area Charts, ie.....  
 (Charts B1 through B22, located after Chart A15)



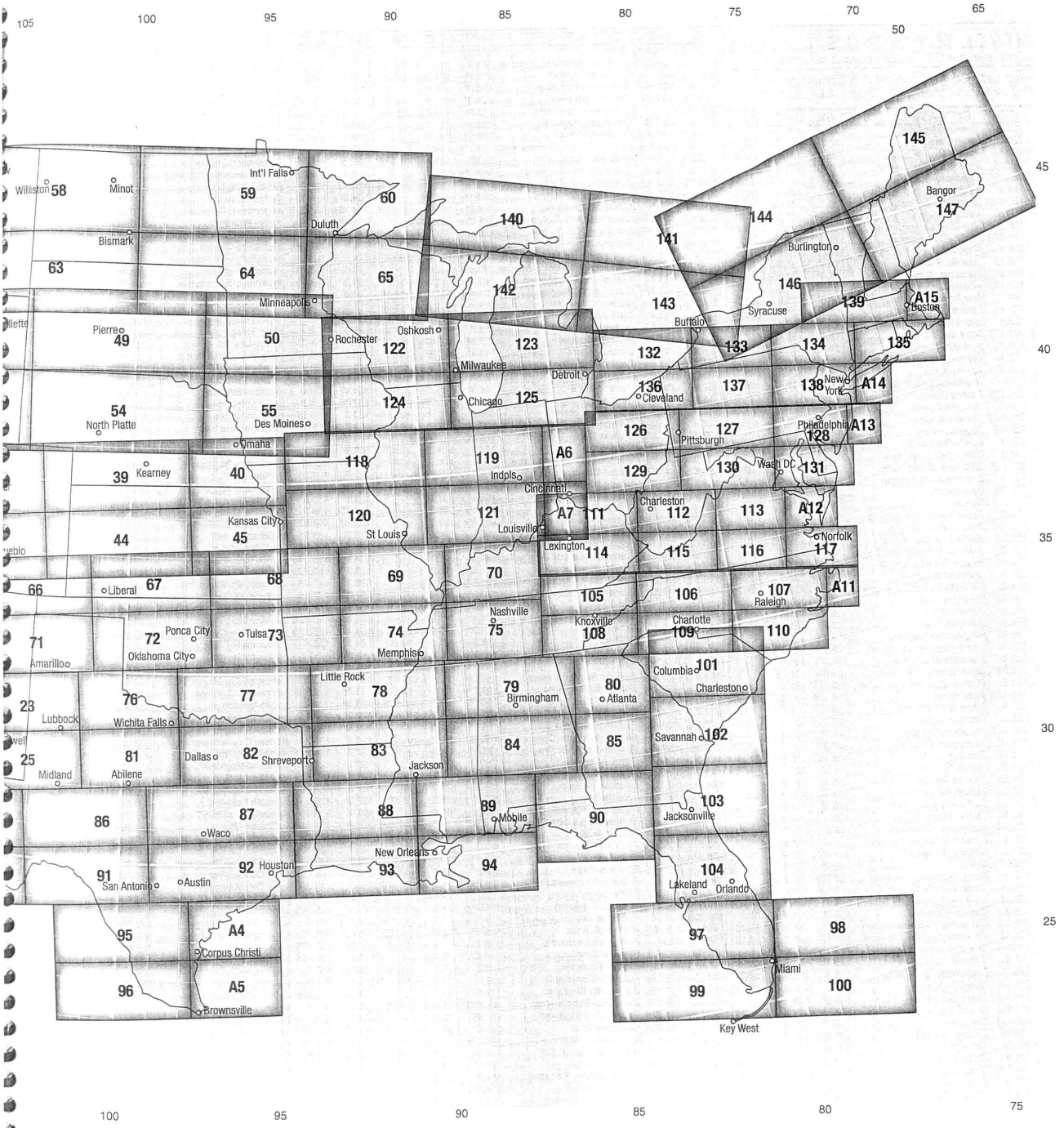
The Chart Key Map is located on pages 2 and 3. Once the desired chart is located, use the smaller chart reference numbers to navigate within the Atlas. Each 2-page spread is identified by one main chart number. Using the above example, the Chart Number is 42. Chart 48 would be south, Chart 41 to the west, Chart 43 to the east, and Chart 21 to the north. The charts numbered A1 to A15 are single-page charts and work the same way. In this example, the chart to the west of A4 would be Chart 16.

- GPS Flight Plan Filing...C
- Holding Patterns.....I
- ILS Data List.....C
- Koch Chart.....C
- Lat/Longs: Airports.....C
- Fixes/Intersections.....C
- NDB/LOM.....C
- VOR.....C-I
- LOMAN: Chains.....C
- Flight Plans.....C
- MOA's.....I-T-V
- Morse Code.....C-I
- Phonetic Alphabet...C-I-V
- Radio Failure.....C
- Radio Stations(AM)...C
- Restricted Areas.....I-T-V
- Temp. Conv(C-F).....C-I
- Time Conversion Table...C
- Toll Free Phone # Index...C
- Transponder Codes.....C
- Weather Report Keys....C
- VOR: Lat/Long.....C-I
- Ident Decode.....C-I

### INDEX

|  |                 |
|--|-----------------|
| Air Chart Products.....                          | (Back Page) 348 |
| Area Charts.....                                 | Charts B1 - B22 |
| Area Chart Index.....                            | After Chart A15 |
| Bahama Routes.....                               | Charts 98,100   |
| Control Tower Frequencies.....                   | pages 4 & 5     |
| Chart Key Map/Planning Chart.....                | pages 2 & 3     |
| Density Altitude.....                            | Back Cover      |
| Flight Plan Form.....                            | Back Cover      |
| Holding Patterns.....                            | Back Cover      |
| Legend.....                                      | page 13         |
| Morse Code.....                                  | Back Cover      |
| Phonetic Alphabet.....                           | Back Cover      |
| Special Use Airspace (SUA, MOA, Restricted)..... | pages 7-12, 346 |
| VOR Decode (ID to Name).....                     | page 6          |
| VOR Lat/Long & Encode (Name to ID).....          | Inside Covers   |





**CONTROL TOWERS-U.S. Civil Use**  
Towers listed are U.S. airports open to civil aircraft.

AC-Approach Control (c = center freq does approach)  
TWR-Tower (\*part time) GRD-Ground CD-Clearance

| AC      | ATIS    | CITY-AIRPORT                 | TWR      | GRD     | CD      |
|---------|---------|------------------------------|----------|---------|---------|
| 125.0   | 118.25  | Abilene-Regional             | 120.1*   | 121.7   |         |
| 125.5   | 121.05  | Akron-Canton                 | 118.3    | 121.7   | 132.05  |
| 132.825 | 120.45  | Albany, Ny-Intl              | 119.5    | 121.7   | 127.5   |
| 125.75c | 133.05  | Albany, Ga-Southwest         | 120.25*  | 121.9   |         |
| 120.05  | 128.175 | Albemarle-Stanly             | 126.275  | 121.75  | 121.75  |
| 134.8   | 118.0   | Albuquerque-Intl             | 121.1*   | 121.9   |         |
| 127.4   | 119.025 | Albuquerque-Double Eagle     | 120.15*  | 121.625 | 124.8   |
| 132.05  | 119.225 | Alexandria-Intl              | 127.35*  | 121.9   |         |
| 119.65  | 126.975 | Allentown-Lehigh Valley      | 120.5    | 121.9   | 124.05  |
| 126.425 | 120.675 | Alpena-Co Regional           | 121.35*  | 121.9   |         |
| 124.2   | 128.0   | Alton-St Louis Regional      | 126.0*   | 120.2   |         |
| 121.15  | 118.85  | Amarillo-Rick Husband        | 118.3*   | 121.9   | 121.65  |
| 120.65c | 118.375 | Anderson-Muni                | 126.0*   | 121.6   |         |
| 133.45  | 134.875 | Andalusia-Opp                | 119.55*  | 121.9   |         |
| 118.95  | 134.55  | Ann Arbor-Municipal          | 120.3*   | 121.6   | 121.6   |
| 126.3   | 127.15  | Appleton-Outagamie           | 119.6*   | 121.7   |         |
| 128.1c  | 125.6   | Ardmore-Muni                 | 118.5*   | 121.8   |         |
| 135.975 | 127.375 | Arlington, TX-Muni           | 128.625  | 121.875 | 118.85  |
| 125.8   | 120.2   | Ashville-Regional            | 121.1*   | 121.9   |         |
| 123.8   | 120.4   | Aspen-PiKIn                  | 118.85*  | 121.9   | 123.75  |
| 127.5c  | 132.875 | Athens-Epps                  | 126.3*   | 121.8   |         |
| 126.975 | 128.4   | Atlanta-DeKalb/Peachtree     | 120.9*   | 121.6   | 125.2   |
| 121.0   | 120.175 | Atlanta-Fulton Co            | 118.45*  | 121.7   | 123.7   |
| 124.6   | 108.6   | Atlantic City-Intl           | 120.3    | 121.9   | 127.85  |
| 120.95  | 124.475 | Atwater-Castle               | 118.175  | 133.575 |         |
| 118.8   | 132.75  | Augusta-Bush                 | 118.7*   | 121.9   |         |
| 118.8   | 124.4   | Austin-Bergstrom             | 118.225  | 121.9   | 125.5   |
| 118.8   | 118.6   | Bakersfield-Meadows          | 118.1*   | 121.7   |         |
| 119.0   | 124.925 | Baltimore-Martin State       | 121.3*   | 121.8   |         |
| 119.0   | 127.8   | Baltimore-Washington         | 119.4    | 121.9   | 118.05  |
| 125.3   | 127.75  | Bangor-Intl                  | 120.7    | 121.9   | 135.9   |
| 120.65  |         | Bartow                       | 121.2*   | 121.9   |         |
| 120.3   | 125.2   | Baton Rouge-Metropolitan     | 118.45*  | 121.9   | 119.4   |
| 119.2   | 128.325 | Battle Creek-Kellogg         | 126.825* | 121.7   |         |
| 124.6   | 118.375 | Bay St Louis-Stennis Intl    | 127.15*  | 121.725 | 124.325 |
| 124.85  | 126.3   | Beaumont-Southeast Texas     | 121.95   | 118.3   |         |
| 124.75  | 118.35  | Beaver Falls-Beaver Co       | 120.3*   | 121.8   | 124.85  |
| 124.4   | 124.6   | Bedford-Hanscom              | 118.3*   | 121.7   | 121.85  |
| 125.2   | 128.7   | Bellefonte-Scott/Mid America | 128.25   | 119.2   | 121.75  |
| 132.7   | 134.45  | Bellingham-Intl              | 124.9*   | 127.4   |         |
| 124.4   | 119.2   | Beverly-Muni                 | 125.2*   | 121.6   |         |
| 120.5   | 126.3   | Billings-Logan               | 127.2    | 121.9   |         |
| 118.6   | 128.15  | Birmingham-Regional          | 119.3    | 121.9   | 125.05  |
| 123.8   | 119.4   | Birmingham-International     | 119.9    | 121.7   | 125.67  |
| 125.3   | 119.35  | Bismarck-Municipal           | 118.3*   | 121.9   |         |
| 128.125 | 135.35  | Bloomington, Il-Normal       | 124.6*   | 121.65  |         |
| 128.05  | 110.25  | Bloomington, In-Monroe Co    | 120.775* | 121.9   |         |
| 125.2   | 121.125 | Boca Raton                   | 118.425  | 121.8   | 127.35  |
| 119.6   | 123.9   | Boise-Air Terminal           | 118.1    | 121.7   | 125.9   |
| 120.6   | 135.0   | Boston-Long                  | 119.1    | 121.9   | 121.65  |
| 132.4c  | 135.425 | Bozeman-Gallatin             | 118.2*   | 121.8   |         |
| 124.075 | 119.15  | Bridgeport-Sikorsky          | 120.9*   | 121.9   | 121.75  |
| 126.35  | 124.625 | Bronson                      | 128.15*  | 118.4   |         |
| 125.5   | 118.25  | Bristol-Tri City             | 119.5*   | 121.7   |         |
| 119.5   | 128.55  | Brownsville-Intl             | 118.9*   | 121.9   |         |
| 126.5   | 135.35  | Buffalo-Niagara Intl         | 120.5    | 133.2   | 124.7   |
| 134.65c |         | Bullhead City/Laughlin       | 123.9*   | 118.25  |         |
| 120.4   | 134.5   | Burbank-Bob Hope             | 118.7    | 123.9   | 118.0   |
| 121.1   | 123.8   | Burlington-International     | 118.3    | 121.9   |         |
| 123.7   | 121.45  | Cahokia-St Louis Downtown    | 119.925* | 121.8   | 118.275 |
| 127.6   | 135.5   | Caldwell-Essex Co            | 119.8*   | 121.9   | 121.1   |
| 124.7   | 126.025 | Camariillo                   | 128.2*   | 121.8   |         |
| 133.65c | 120.55  | Cape Girardeau-Regional      | 125.525* | 121.6   |         |
| 125.3c  | 119.85  | Carbondale-Southern IL       | 125.35*  | 121.8   |         |
| 127.3   | 120.15  | Carlsbad-McClellan           | 118.6*   | 121.8   | 134.85  |
| 126.05  | 126.15  | Casper-Natrona Co            | 118.3*   | 121.9   |         |
| 119.7   | 124.15  | Cedar Rapids-Eastern Iowa    | 118.7*   | 121.6   | 125.45  |
| 121.35  | 124.85  | Champaign-University of IL   | 120.4*   | 121.8   | 128.75  |
| 123.7   | 128.325 | Chandler-Muni                | 133.1    | 124.4   |         |
| 119.2   | 127.6   | Charleston, Wv-Yeager        | 125.7    | 121.8   | 118.55  |
| 135.8   | 124.75  | Charleston, Sc-afb/Intl      | 126.0    | 121.9   | 118.0   |
| 120.05  | 121.15  | Charlotte-Douglas            | 118.1    | 121.9   | 127.15  |
| 128.85  | 118.425 | Charlottesville-Albemarle    | 124.5*   | 121.9   |         |
| 119.2   | 119.85  | Chattanooga-Lovell           | 118.3*   | 121.7   | 120.95  |
| 124.55  | 134.425 | Chattanooga                  | 118.7*   | 121.9   |         |
| 133.5   | 125.85  | Chicago-Aurora               | 120.6*   | 121.7   | 121.7   |
| 125.0   | 124.2   | Chicago-Chicago Exec         | 119.9*   | 121.7   | 124.7   |
| 133.5   | 124.8   | Chicago-DuPage               | 120.9    | 121.8   | 119.75  |
| 118.4   | 132.75  | Chicago-Midway               | 118.7    | 121.65  | 121.85  |
| 126.725 | 127.6   | Chicago-Rockford             | 118.3    | 121.9   | 119.25  |
| 120.55  | 132.4   | Chicago-Waukegan             | 120.05*  | 121.65  |         |
| 132.2c  | 119.675 | Chico-Muni                   | 121.0*   | 121.9   |         |

| AC       | ATIS    | CITY-AIRPORT                  | TWR      | GRD     | CD      |
|----------|---------|-------------------------------|----------|---------|---------|
| 135.4    | 125.85  | Chino                         | 118.5*   | 121.6   |         |
| 119.7    | 134.375 | Cincinnati-Greater(Covington) | 118.3    | 121.7   | 127.17  |
| 121.0    | 120.25  | Cincinnati-Lunken             | 118.7*   | 121.9   | 124.9   |
| 119.6    | 127.825 | Clarksburg-Harrison           | 126.7*   | 121.9   |         |
| 125.35   | 125.25  | Cleveland-Burke               | 124.3*   | 121.9   | 121.9   |
| 125.35   |         | Cleveland-Cuyahoga            | 118.5*   | 121.85  | 121.85  |
| 124.0    | 127.85  | Cleveland-Hopkins             | 120.9    | 121.7   | 125.05  |
| 128.4c   | 135.225 | Clinton-Sherman               | 119.6*   | 121.7   |         |
| 120.4c   | 126.85  | College Station-Easterwood    | 118.5*   | 128.7   |         |
| 118.5    | 125.0   | Colorado Springs-City         | 119.9    | 121.7   | 134.45  |
| 124.375  | 126.45  | Columbia, Mo-Regional         | 119.3*   | 121.6   |         |
| 124.15   | 120.15  | Columbia, Sc-Metro            | 119.5    | 121.9   | 119.75  |
| 125.5    | 127.75  | Columbus, Ga-Metro            | 120.1*   | 121.9   |         |
| 134.85   |         | Columbus, In-Muni             | 118.6*   | 121.6   | 134.85  |
| 135.6    | 120.375 | Columbus, MS-Golden           | 120.7*   | 135.375 |         |
| 132.3    | 135.925 | Columbus, Oh-Bolton           | 128.1*   | 121.8   |         |
| 119.65   | 124.6   | Columbus, Oh-Intl             | 132.7    | 121.9   | 126.3   |
| 120.2    | 121.35  | Columbus, Oh-Ohio State U     | 118.8*   | 121.7   | 121.7   |
| 119.15   | 132.75  | Columbus, Oh-Rickenbacker     | 120.05   | 121.85  |         |
| 119.9    | 124.7   | Concord, Ca-Buchanan          | 119.7*   | 121.9   | 118.75  |
| 128.325  | 133.675 | Concord, NC-Regional          | 134.65*  | 121.85  | 118.55  |
| 120.9    | 126.8   | Corpus Christi-Intl           | 119.4    | 121.9   | 118.55  |
| 124.3    | 133.4   | Dallas-Addison                | 126.0*   | 121.6   | 119.55  |
| 124.3    | 120.15  | Dallas-Love                   | 118.7    | 121.75  | 127.9   |
| 125.2    | 126.35  | Dallas-Executive              | 127.25*  | 119.475 | 118.625 |
| 126.4    | 127.75  | Danbury-Muni                  | 119.4*   | 121.6   | 128.6   |
| 134.45   | 125.8   | Dayton-Cox                    | 119.9    | 121.9   | 121.75  |
| 135.35   | 120.05  | Daytona Beach-Intl            | 120.7    | 121.9   | 119.3   |
| 132.85   | 126.35  | Decatur-Muni                  | 118.9*   | 121.75  |         |
| 118.1    |         | Denton                        | 119.95*  | 123.95  |         |
| 132.3    | 120.3   | Denver-Centennial             | 118.9    | 121.8   | 128.6   |
| 128.25   | 119.025 | Denver-Front Range            | 120.2*   | 124.7   | 124.7   |
| 128.45   | 126.25  | Denver-Rocky Mtn Metro        | 118.6*   | 121.7   |         |
| 124.95   | 125.6   | Denver-Intl                   | 124.3    | 121.85  | 118.75  |
| 123.9    | 119.55  | Des Moines-International      | 118.3    | 121.9   | 134.15  |
| 126.85   | 124.5   | Detroit-Coleman Young         | 121.3    | 121.85  |         |
| 124.975  | 133.675 | Detroit-Metro Wayne           | 135.0    | 121.8   | 120.65  |
| 118.95   | 127.425 | Detroit-Willow Run            | 125.275* | 121.75  |         |
| 125.4    | 135.72  | Dothan-Regional               | 118.4*   | 121.7   |         |
| 133.95c  | 127.25  | Dayton-Regional               | 119.5*   | 121.8   |         |
| 125.45   | 124.1   | Duluth-Intl                   | 118.3    | 121.9   |         |
| 128.65c  | 135.575 | Eagle-County                  | 119.8*   | 121.75  | 124.75  |
| 124.2    | 119.425 | Eastman-Heart of Georgia      | 124.55*  | 121.175 |         |
| 124.55   | 124.75  | Easton-Newnam                 | 118.525* | 119.075 |         |
| 125.3c   | 119.675 | Eau Claire-Chippewa Valley    | 118.575* | 120.925 |         |
| 119.55   | 118.525 | Elizabeth City-Coast Guard    | 120.5*   | 121.9   |         |
| 118.55   | 124.75  | Elkhart-Muni                  | 119.5*   | 121.8   | 121.8   |
| 118.15   | 125.475 | Elmira/Corning-Regional       | 121.1*   | 121.9   |         |
| 125.5    | 118.75  | El Monte                      | 121.2*   | 125.9   |         |
| 124.25   | 120.0   | El Paso                       | 118.3    | 121.9   | 125.0   |
| 119.775  |         | Enid-Woodring                 | 118.9*   | 121.925 |         |
| 121.0    | 120.35  | Erie-Intl                     | 118.1*   | 121.9   | 126.8   |
| 119.6    | 125.2   | Eugene-Mahlon Sweet           | 118.9*   | 121.7   | 121.7   |
| 127.95   | 120.2   | Evansville-Regional           | 118.7*   | 121.9   | 126.6   |
| 128.5c   | 128.65  | Everett-Paine Field           | 120.2*   | 121.8   | 128.75  |
| 127.7    | 124.5   | Fargo-Hector                  | 132.8    | 121.9   | 121.9   |
| 127.4    | 126.65  | Farmingtondale-Republic       | 118.8*   | 121.6   | 128.25  |
| 118.575c | 127.15  | Farmington-Four Corners       | 118.9*   | 121.7   |         |
| 126.6    | 133.1   | Fayetteville, Ar-Drake        | 128.0*   | 121.8   |         |
| 121.0    | 124.175 | Fayetteville, Ar-NW Arkansas  | 127.1*   | 121.9   |         |
| 133.0    | 121.25  | Fayetteville, Nc-Regional     | 118.3    | 121.7   |         |
| 124.5c   | 125.8   | Flagstaff-Pulliam             | 134.55*  | 121.9   |         |
| 118.8    | 133.15  | Flint-Bishop                  | 126.3*   | 121.9   | 121.75  |
| 118.6    | 123.625 | Florence-Regional             | 125.1*   | 121.9   |         |
| 127.05   | 134.75  | Fl Huachuca-Libby/Sierra      | 124.95*  | 121.7   |         |
| 119.7    | 119.85  | Fl Lauderdale-Executive       | 120.9    | 121.75  | 127.95  |
| 118.1    | 135.0   | Fl Lauderdale-Intl            | 119.3    | 121.4   | 128.4   |
| 128.35c  | 118.7   | Fl Leonard Wood-Fourney       | 125.4*   |         |         |
| 126.8    | 123.725 | Fl Myers-Page                 | 119.0*   | 121.7   |         |
| 126.8    | 124.65  | Fl Myers-Southwest Florida    | 128.75*  | 121.9   | 132.075 |
| 132.25c  | 134.825 | Fl Pierce-St Lucie            | 128.2*   | 119.55  |         |
| 120.9    | 126.3   | Fl Smith-Regional             | 118.3*   | 121.9   | 138.85  |
| 135.325  | 121.25  | Fl Wayne-Intl                 | 119.1    | 121.9   | 124.75  |
| 118.1    | 126.925 | Fl Worth-Alliance             | 135.15*  | 132.65  | 128.725 |
| 118.1    | 120.7   | Fl Worth-Meacham              | 118.3*   | 121.9   | 124.65  |
| 135.975  | 120.025 | Fl Worth-Spinks               | 124.625* | 119.475 |         |
| 119.6    | 121.35  | Fresno-Yosemite               | 118.2    | 121.7   | 124.35  |
| 124.65   | 125.05  | Fullerton-Municipal           | 119.1*   | 121.8   |         |
| 118.75   | 127.15  | Gainesville-Regional          | 119.55*  | 121.7   |         |
| 134.45   | 119.275 | Galveston-Scholes Intl        | 120.575* | 118.625 | 135.35  |
| 125.2c   | 121.325 | Garden City-Regional          | 118.15   | 119.0   |         |
| 133.1    | 120.625 | Gary-Regional                 | 125.6*   | 121.9   |         |
| 119.0    | 118.6   | Georgetown-Muni               | 120.225* | 119.125 | 121.1   |
| 135.6c   | 121.75  | Gillette-Campbell Co          | 118.5*   | 121.7   |         |
| 120.7    | 119.425 | Glendale-Muni                 | 121.0*   | 118.0   |         |
| 124.85c  | 124.3   | Grand Canyon-Regional         | 119.0*   | 121.9   |         |
| 118.1    | 119.4   | Grand Forks-Intl              | 118.4*   | 124.575 |         |
| 119.4c   | 127.4   | Grand Island-Central Neb      | 118.2*   | 121.9   | 121.9   |
| 119.7    | 118.55  | Grand Junction-Walker         | 118.1*   | 121.7   |         |

| AC      | ATIS    | CITY-AIRPORT                 | TWR     | GRD    | CD     |
|---------|---------|------------------------------|---------|--------|--------|
| 135.975 |         | Grand Prairie-Municipal      | 128.55  | 121.15 |        |
| 128.4   | 127.1   | Grand Rapids-Ford Intl       | 135.65* | 121.9  | 119.3  |
| 128.6   | 126.6   | Grant Falls-Intl             | 118.7*  | 121.7  |        |
| 119.4   | 124.1   | Green Bay-Austin Straubel    | 118.7*  | 121.9  | 121.75 |
| 118.5   | 128.55  | Greensboro-Piedmont          | 119.1   | 121.9  | 121.75 |
| 135.875 | 125.525 | Greenville, Ms-Mid Delta     | 119.9*  | 121.8  |        |
| 118.8   | 127.325 | Greenville, Sc-Donaldson     | 133.325 | 121.4  |        |
| 118.8   | 127.075 | Greenville, Sc-Downtown      | 119.9*  | 121.25 |        |
| 132.85c |         | Greenville, Tx-Majors        | 118.65* | 121.7  |        |
| 132.5c  | 119.975 | Greenwood-Leflore            | 118.35* | 125.55 |        |
| 118.8   | 134.25  | Greer-Greenville/Spartanburg | 120.1*  | 121.9  |        |
| 125.75  | 127.0   | Groton-New London            | 125.6*  | 121.65 | 119.85 |
| 124.6   | 119.45  | Guilford-Biloxi              | 123.7*  | 120.4  |        |
| 134.15c | 126.375 | Hagerstown-Regional          | 120.3*  | 120.8  |        |
| 118.05c |         | Halliday-Friedman            |         |        |        |



# VOR NAME DECODE

(ALPHABETICAL BY IDENTIFIER)

|                      |                      |                   |                       |                     |                    |                    |                    |                    |                    |
|----------------------|----------------------|-------------------|-----------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| ABB Nabb,IN          | BSV Briggs,OH        | CZI Crazy         | EUF Eufaula,AL        | GSH Goshen,IN       | ISQ Schoelcraft    | MGN Macon,GA       | OOD Woodstown,NJ   | REO Rome,OR        | SVM Salem,MI       |
| ABI Abilene,TX       | BTG Battle Ground,WA | EUG Eugene,OR     | EUG Eugene,OR         | GSO Gosensboro,NC   | MCW Mooresville,NC | OOM Hoosier,IN     | ROD Rockford,IL    | SVN Hunter,GA      | SVN Hunter,GA      |
| ABO Albuquerque,NM   | BTL Battle Creek,MI  | CZO Clovis,CA     | EVN Eveleth,MN        | GTF Great Falls,MT  | MEE Davis,OK       | ORD Chicago        | RHI Rhinelander,WI | SWB Sawmill,LA     | SWB Sawmill,LA     |
| ABR Aberdeen,SD      | BTR Baton Rouge,LA   | DAG Dagger,CA     | EVW Evanson,WY        | DAG Dagger,CA       | WJA Willie,AZ      | O'Har,IL           | RIC Richland,GA    | SNL Snow Hill,MD   | SNL Snow Hill,MD   |
| ACH Anton Chico,NM   | BTU Burlington,VT    | DAK Drake,AR      | EWA Evanson,WY        | GUP Gallup,NM       | WJD Ironwood,MI    | ORF Norfolk,VA     | RIL Rifle,CO       | SWO Stillwater,OK  | SWO Stillwater,OK  |
| ACK Nantucket,MA     | BYA Beatty,NV        | DAN Danville,VA   | EWC Ewings,MS         | GUS Grissom,IN      | MFD Mansfield,OH   | ORW Norwich,CT     | RIS Riverside,MO   | SXC Santa          | SXC Santa          |
| ACO Akron,OH         | BUA Buffalo,SD       | DAS Daisetta,TX   | EWN Newman,TX         | GVE Gordonsville,VA | MFE Mc Allen,TX    | OSH Oshkosh,WI     | RKA Rockdale,WY    | SWX Snow,CO        | SWX Snow,CO        |
| ACT Waco,TX          | BUP Buckeye,OH       | DBI Red Table,CO  | EWO New Bern,NC       | GXU Mc Guire,NJ     | JAY Austin,MN      | OSI Osooside,CA    | RLG Kremming,CO    | SVI Shelbyville,TN | SVI Shelbyville,TN |
| ACV Arcata,CA        | BUJ Buffalo,NY       | DBN Dublin,GA     | EWO New Hope,KY       | GZO Glade Spring,VA | JBR Jamesboro,AR   | OSW Oswego,KS      | RIL Rifle,CO       | SYO Syracuse,OK    | SYO Syracuse,OK    |
| ACY Atlantic City,NJ | BUM Buffalo,MO       | DBQ Dubuque,IA    | EYW Key West,FL       | GZG Glade Spring,VA | JCT Junction,TX    | OTB Tupelo,MS      | RLY Worland,WY     | SVR Syracuse,OK    | SVR Syracuse,OK    |
| ADH Ada,OK           | BUU Burbon,VI        | DBS Dubois,ID     | FAH Falls,WI          | HAB Hamilton,VA     | JEN Glen Rose,TX   | OTG Worthington,MN | OTH North Bend,OR  | SZW Seminole,FL    | SZW Seminole,FL    |
| ADW Ardmore,OK       | BVL Bonneville,UT    | DCA Washington,DC | FAK Flat Rock,VA      | HAR Harrisburg,PA   | JFK Kennedy,NY     | OTK North Bend,OR  | RND Randolph,TX    | TAS Taos,NM        | TAS Taos,NM        |
| ADW Andrews,MD       | BVO Bartlesville,OK  | DCU Decatur,AL    | FAM Farmington,MO     | HBR Hobart,OK       | JFN Jefferson,OH   | OTM Ottumwa,IA     | RNL Rainelle,WV    | TAJ Taylor,FL      | TAJ Taylor,FL      |
| AEL Albert Lea,MN    | BVR Byers,CO         | DDC Dodge City,KS | FAR Fargo,ND          | HCH Hinch Mtn,TN    | JKS Jackson,MS     | ROC Rochester,NH   | RND Randolph,TX    | TBC Tulsa City,AZ  | TBC Tulsa City,AZ  |
| AEX Alexandria,LA    | BVT Bolter,IN        | DDD Fort City,IA  | FAY Fayetteville,NC   | HCM Harcum,VA       | JLL Julian,CA      | ROD Rosewood,OH    | RNL Rainelle,WV    | TBE Tobe,CO        | TBE Tobe,CO        |
| AGE Allegheny,PA     | BWD Brownwood,TX     | DDL Sheldahl,IA   | FBR Fort Bridger,WY   | HCT Harcum,VA       | JMS Jamestown,ND   | ROX Roseau,MN      | ROX Roseau,MN      | TBM Torrey,MO      | TBM Torrey,MO      |
| AHC Amedee,CA        | BWG Bowling          | DDI Duquoin,IL    | FCM Flying Cloud,MN   | HDF Hartford,CT     | JNC Grand          | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AHN Athens,GA        | BWS Bowles,NM        | DDM Dearing,MT    | FDK Frederick,MD      | HDL Hondo,TX        | JND Junction,CO    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCH Washatch,UT    | TCH Washatch,UT    |
| AIA Alliance,NE      | BWZ Broadway,NJ      | DDN Denver,CO     | FDK Frederick,MD      | HEC Hecaton,VA      | JNU Parkersburg,WV | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AIR Bellair,OH       | BXK Buckeye,AZ       | DGD Dogwood,MO    | FDY Findlay,OH        | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AJC Gooch Spgs,TX    | BXZ West Branch,MI   | DHP Dahlhart,TX   | FFM Ferguson Falls,MN | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AKO Akron,CO         | BWZ Broadway,NJ      | DHT Dalton,GA     | FFT Frankfurt,KY      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALB Albany,NY        | BWZ Broadway,NJ      | DHT Dalton,GA     | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALD Allendale,SC     | BYP Bonham,TX        | DIW Dixon,NC      | FFT Frankfurt,KY      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALI Alice,TX         | BZA Bard,AZ          | DJB Dryer,OH      | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALW Waterloo,IA      | BZM Barrets Mtn,NC   | DJK Dwyer,OH      | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALS Alamogosa,CO     | BZN Bozeman,MT       | DKK Dunkirk,NY    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ALW Walla Walla,WA   | CAE Columbia,SC      | DLF Laughlin,TX   | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AMG Alma,GA          | CAM Cambridge,NY     | DLN Dillon,MT     | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AML Armel,VA         | CAP Capital,IL       | DLN Dillon,MT     | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ANW Ainsworth,NE     | CBM Caledonia,MS     | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ANO Altoona,PA       | CCN Concord,CA       | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| APE Appleton,OH      | CCR Concord,CA       | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| APN Alpena,MI        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ARD Yardley,PA       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ARG Walnut Ridge,AR  | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ART Watertown,NY     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ASB Au Sable,MI      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AST Astoria,OR       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ASX Ashland,WI       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ATL Atlanta,GA       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ATR Waterloo,DE      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| ATY Watertown,SD     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AUG Augusta,ME       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AUW Wausau,WI        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AVE Avenal,CA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AXN Alexandria,MN    | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AYS Waycross,GA      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AZO Kalamazoo,MI     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| AZZ Hazard,WY        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BAE Badger,WI        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BAF Barnes,MA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BAL Baltimore,MD     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BAM Bad Axe,MI       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BAN Bryce Canyon,UT  | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BBD Bradletts,MI     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BDF Bradford,IL      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BDL Willmar,VA       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BDR Bradley,CT       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BDR Bridgport,CT     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BFD Bradford,PA      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BFF Scottsbluff,NE   | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BFM Brockley,AL      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BFB Burns Flat,OK    | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BGD Berger,TX        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BGR Berger,ME        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BGS Big Spring,TX    | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BIB Bible Grove,IL   | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BIE Beatrice,NE      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BIB Bishop,CA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BIL Billings,MT      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BIS Bismarck,ND      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BJB West Bend,WI     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BJC Jettico,CO       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BJI Bemidji,MN       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BKE Baker City,OR    | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BKW Beckley,WV       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BKB Brookings,SD     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BLD Boulder City,NV  | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BLF Bluefield,WV     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BLM Blythe,CA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BLN Bloomington,IL   | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BML Berlin,NH        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BNA Nashville,TN     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BOI Boise,ID         | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BOY Boston,MA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BOY Boysen           | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BPI Big Piney,WY     | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BPT Beaumont,TX      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BQM Bowman,KY        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BQS Bryner,MO        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BQU Bullton,NV       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BQB Robert,CO        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BQB Brainerd,MN      | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BRK Black Forest,CO  | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BRL Burlington,IA    | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BRW Brownsville,TX   | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BRY Brooke,VA        | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |
| BSR Big Sur,CA       | CCV Cedar City,KY    | DMN Dearing,MT    | FFU Fairfield,UT      | HEZ Hanchey,LA      | JPU Johnston,PA    | ROZ Roseau,MN      | ROZ Roseau,MN      | TCC Tucuman,IN     | TCC Tucuman,IN     |

INDEX - Special Use Airspace (MOA, Restricted, Alert, Prohibited Areas): The following data was current as of the publication of the WAC and Sectional Charts contained in this Atlas. See Page 12 and the Enroute Update for any changes to this data.

MOA CONTROLLING TIMES OF USE ALTITUDE OF USE

Table listing MOA names, controlling agencies, times of use, and altitudes. Includes entries like ABEL BRAVO, ABEL NORTH, ADA WEST, ADIRONDACK A, etc.

MOA CONTROLLING TIMES OF USE ALTITUDE OF USE

Table listing MOA names, controlling agencies, times of use, and altitudes. Includes entries like CHINA, CHINOOK A, CHURCHILL HIGH, CLAIRBORNE A, etc.



| MOA NAME           | CONTROLLING AGENCY | TIMES OF USE  | ALTITUDE OF USE                 |
|--------------------|--------------------|---|---------------------------------|
| HOLLIS             | FTW CNTR           | 1 HOUR BEFORE SUNRISE-1 HOUR AFTER SUNSET, MONDAY-FRIDAY        | 11000 MSL TO FL180              |
| HOOD               | HOU CNTR           | 0700-1900, MON-FRI  | 2000 MSL TO 10000 MSL           |
| HOWARD EAST        | KC CNTR            | 0700-2200 SUNDAY-SATURDAY                                       | 9000 MSL TO FL180               |
| HOWARD WEST        | KC CNTR            | 0700-2200 SUNDAY-SATURDAY                                       | 10000 MSL TO FL180              |
| HUNTER HIGH        | OAK CNTR           | INTERMITTENT BY NOTAM   | 11000 MSL TO FL180              |
| HUNTER LOW A       | OAK CNTR           | INTERMITTENT BY NOTAM   | 200 AGL TO 11,000 MSL           |
| HUNTER LOW B       | OAK CNTR           | INTERMITTENT BY NOTAM   | 2000 AGL TO 11000 MSL           |
| HUNTER LOW C       | OAK CNTR           | INTERMITTENT BY NOTAM   | 3000 AGL TO 11000 MSL           |
| HUNTER LOW D       | OAK CNTR           | INTERMITTENT BY NOTAM   | 1500 AGL TO 6000 MSL            |
| HUNTER LOW E       | OAK CNTR           | INTERMITTENT BY NOTAM   | 1500 AGL TO 3000 MSL            |
| ISABELLA           | HI-DESERT AC       | 0600-2200 MON-FRI   | 200 AGL TO FL180                |
| JACKAL             | ABQ CNTR           | 0700-1800 M-F, 1800-2200 M-F BY NTM                             | 11000 MSL TO FL180              |
| JACKAL LOW         | ABQ CNTR           | 0700-1800 MON-FRI   | 100 AGL TO 11000 MSL            |
| JARBIDGE           | SLC CNTR           | 0730-2200 MONDAY THRU FRIDAY                                    | 100 AGL TO FL180                |
| JEN A              | HOU CNTR           | 0800-2200 MON-FRI   | 500 AGL TO 6000 MSL             |
| JPG A              | INDY CNTR          | 0800-2300 LCL DAILY   | 100 AGL TO 3000 MSL             |
| JPG B              | INDY CNTR          | 0800-2300 LCL DAILY   | 6000 MSL TO FL180               |
| JPG C              | INDY CNTR          | 0800-2300 LCL DAILY   | 6000 MSL TO FL180               |
| JPG D              | INDY CNTR          | 0800-2300 LCL DAILY   | 500 AGL TO 4000 MSL             |
| JUNIPER LOW        | SEA CNTR           | BY NOTAM DIRG DALGT HRS   | 300 AGL TO 11000 MSL            |
| JUNIPER NORTH      | SEA CNTR           | INTERMITTENT BY NOTAM   | 11000 MSL TO FL180              |
| JUNIPER SOUTH      | SEA CNTR           | INTERMITTENT BY NOTAM   | 11000 MSL TO FL180              |
| KANE EAST          | LA CNTR            | 0500 TO 2100 DAILY  | 10000 MSL TO FL180              |
| KANE SOUTH         | LA CNTR            | 0500 TO 2100 DAILY  | 10000 MSL TO FL180              |
| KANE WEST          | LA CNTR            | 0500 TO 2100 DAILY  | 10000 MSL TO FL180              |
| KINGSVILLE 1       | HOU CNTR           | SUNRISE-2400 LCL MON-FRI, SUNRISE-SUNSET SAT, 1000-2400 LCL SUN | 8000 MSL TO FL180               |
| KINGSVILLE 2       | HOU CNTR           | SUNRISE-2400 LCL MON-FRI, SUNRISE-SUNSET SAT, 1000-2400 LCL SUN | 13,000 TO FL180                 |
| KINGSVILLE 3       | HOU CNTR           | SUNRISE-2400 LCL MON-FRI, 1400-2400 LCL SUN                     | 8000 TO FL180                   |
| KINGSVILLE 4       | HOU CNTR           | SUNRISE-2400 LCL MON-FRI, 1400-2400 LCL SUN                     | 9000 MSL TO FL180               |
| KINGSVILLE 5       | HOU CNTR           | SUNRISE-2400 LCL MON-FRI, 1400-2400 LCL SUN                     | 9000 MSL TO FL180               |
| LA VETA HIGH       | DEN CNTR           | 0700-1600 MON-FRI (EXCLUDING HOLIDAYS)                          | 13,000 MSL TO FL180             |
| LA VETA LOW        | DEN CNTR           | INTERMITTENT BY NOTAM   | 1500 AGL TO 13000 MSL           |
| LAKE ANDRES        | MSP CNTR           | 0900-1200, 1400-1700 TUE-SAT                                    | 6000 MSL TO FL180               |
| LAKE FLACID        | MIA CNTR           | INTERMITTENT-NORMALLY SR-SS MON-FRI, OCCASIONAL WEEKENDS        | 7000 MSL TO FL180               |
| LANCER             | FTW CNTR           | 0900-0600 LCL TIME, MONDAY-FRIDAY                               | 6200 MSL TO FL180               |
| LA "HELI 1"        | HOU CNTR           | 0600-2000 MON-FRI   | 9000 MSL TO FL180               |
| LAUGHLIN 2         | HOU CNTR           | 0600-2000 MON-FRI   | 15000 MSL TO FL180              |
| LAUGHLIN 3 HIGH    | HOU CNTR           | 0600-2000 MON-FRI   | 9000 MSL TO FL180               |
| LAUGHLIN 3 LOW     | HOU CNTR           | 0600-2000 MON-FRI   | 7000 MSL TO 15000 MSL           |
| LEMOORE A          | OAK CNTR           | 0800-2300 MON-THU, 0800-1800 FRI                                | 5000 MSL TO FL180               |
| LEMOORE B          | OAK CNTR           | 0800-2300 MON-THU, 0800-1800 FRI                                | 13000 MSL TO FL180              |
| LEMOORE C          | OAK CNTR           | 0800-2300 MON-THU, 0800-1800 FRI                                | 16000 MSL TO FL180              |
| LEMOORE D          | OAK CNTR           | 0800-2300 MON-THU, 0800-1800 FRI                                | 5000 MSL TO FL180               |
| LEMOORE E          | OAK CNTR           | 0800-2300 MON-THU, 0800-1800 FRI                                | 5000 MSL TO FL180               |
| LINCOLN            | MSP CNTR           | BY NOTAM  | 8000 MSL TO FL180               |
| LINDBERGH A        | KC CNTR            | 0900-1030 & 1300-1430 MON-FRI                                   | 7000 MSL TO FL180               |
| LINDBERGH B        | KC CNTR            | 0900-1030 & 1300-1430 MON-FRI                                   | 8000 MSL TO FL180               |
| LINDBERGH C        | KC CNTR            | 0900-1030 & 1300-1430 MON-FRI                                   | 8000 MSL TO FL180               |
| LIVE OAK           | JAX CNTR           | 0600-0200 MONDAY-FRIDAY   | 8000 MSL TO FL180               |
| LOWVILLE           | BOS CNTR           | 0800-2200 MONDAY-FRIDAY   | 100 AGL TO FL180                |
| LUCIN A            | SLC CNTR           | 0500-2000 MON-SAT   | 100 AGL TO 9000 MSL             |
| LUCIN B            | SLC CNTR           | 0500-2000 MON-SAT   | 100 AGL TO 7500 MSL             |
| LUCIN C            | SLC CNTR           | 0500-2000 MON-SAT   | 100 AGL TO 5500 MSL             |
| MARIAN             | MIA CNTR           | INTERMITTENT-NORMALLY SR-SS MON-FRI, OCCASIONAL WEEKENDS        | 500 AGL TO 5000 MSL             |
| MAXWELL 1          | OAK CNTR           | 0500-2000 MON-FRI   | 11000 MSL OR 3000 AGL, TO FL180 |
| MAXWELL 2          | OAK CNTR           | 0500-2000 MON-FRI   | 11000 MSL OR 3000 AGL, TO FL180 |
| MAXWELL 3          | OAK CNTR           | 0500-2000 MON-FRI   | 11000 MSL OR 3000 AGL, TO FL180 |
| MAYPORT HIGH       | JAX CNTR           | INTERMITTENT BY NOTAM, 1800-2200                                | 3000 MSL TO FL180               |
| MAYPORT LOW        | JAX CNTR           | INTERMITTENT BY NOTAM, 0800-2200                                | 500 MSL TO 3000 MSL             |
| MERIDIAN 1 EAST    | MEM CNTR           | SUNRISE-SUNSET MON-FRI  | 8000 MSL TO FL180               |
| MERIDIAN 1 WEST    | MEM CNTR           | INTERMITTENT, SR-2300 SUN-FRI                                   | 8000 MSL TO FL180               |
| MINNOW             | MINN CNTR          | INTERMITTENT BY NOTAM   | 10000 MSL TO FL180              |
| MISTY 1            | CLE CNTR           | 0800-2200 MON-FRI 0800-1600 SAT AND SUN SATURDAY AND SUNDAY     | 4000 MSL TO 18000 MSL           |
| MISTY 2            | CLE CNTR           | 0800-2200 MON-FRI 0800-1600 SAT AND SUN SATURDAY AND SUNDAY     | 500 AGL TO 18000 MSL            |
| MISTY 3            | CLE CNTR           | 0800-2200 MON-FRI 0800-1600 SAT AND SUN SATURDAY AND SUNDAY     | 11000 MSL TO 18000 MSL          |
| MOODY 1            | JAX CNTR           | 0600-0200 MONDAY-FRIDAY   | 8000 MSL TO FL180               |
| MOODY 2 NORTH      | JAX CNTR           | 0600-0200 MONDAY-FRIDAY   | 500 AGL TO 8000 MSL             |
| MOODY 2 SOUTH      | JAX CNTR           | 0600-0200 MONDAY-FRIDAY   | 100 AGL TO 8000 MSL             |
| MOODY 3            | JAX CNTR           | 0600-0200 MONDAY-FRIDAY   | 8000 MSL TO FL180               |
| MORENCI            | ABQ CNTR           | 0600-2100 MON-FRI   | 1500 AGL TO FL180               |
| MT DORA EAST HIGH  | ABQ CNTR           | BY NOTAM  | 11000 MSL TO FL180              |
| MT DORA EAST LOW   | ABQ CNTR           | BY NOTAM  | 1500 AGL TO 11000 MSL           |
| MT DORA NORTH HIGH | ABQ CNTR           | BY NOTAM  | 11000 MSL TO FL180              |
| MT DORA NORTH LOW  | ABQ CNTR           | BY NOTAM  | 1500 AGL TO 11000 MSL           |
| MT DORA WEST HIGH  | ABQ CNTR           | BY NOTAM  | 11000 MSL TO FL180              |
| MT DORA WEST LOW   | ABQ CNTR           | BY NOTAM  | 1500 AGL TO 11000 MSL           |
| OKANOGAN A         | SEA CNTR           | INTERMITTENT BY NOTAM   | 9000 MSL TO FL180               |
| OKANOGAN B         | SEA CNTR           | INTERMITTENT BY NOTAM   | 300 AGL TO 9000 MSL             |
| OKANOGAN C         | SEA CNTR           | INTERMITTENT BY NOTAM   | 300 AGL TO 9000 MSL             |
| OLYMPIC A          | SEA CNTR           | BY NOTAM  | 6000 MSL TO FL180               |

| MOA NAME        | CONTROLLING AGENCY | TIMES OF USE   | ALTITUDE OF USE               |
|-----------------|--------------------|--|-------------------------------|
| OLYMPIC B       | SEA CNTR           | BY NOTAM   | 6000 MSL TO FL180             |
| ONEILL          | MSP CNTR           | 0930-1145 AND 1400-1600 LOCAL, TUESDAY-SATURDAY            | 500 AGL TO FL180              |
| ONTONAGON       | MSP CNTR           | 0800-1800 DAILY  | 500 AGL TO FL180              |
| OUTLAW          | ABQ CNTR           | 0700-1800 MON-FRI  | 8000 AGL OR 3000 AGL TO FL180 |
| OWENS           | HI-DESERT AC       | 0600-2200 LCL MON-FRI                                      | 200 AGL TO FL180              |
| OWYHIE          | SLC CNTR           | 0730-2200 MONDAY THRU FRIDAY                               | 100 AGL TO 14500 MSL          |
| PALATKA 1       | JAX CNTR           | INTERMITTENT, 0500-0100 DAILY                              | 3000 AGL TO FL180             |
| PALATKA 2       | JAX CNTR           | INTERMITTENT, 0500-0100 DAILY                              | 3000 AGL TO FL180             |
| PAMLICO A       | DCA CNTR           | INTMT SR-2300 LCL MON-FRI                                  | 8000 MSL TO FL180             |
| PAMLICO B       | DCA CNTR           | INTERMITTENT, 0700-2200 MON-FRI                            | 8000 MSL TO FL180             |
| PANAMINT        | HI-DESERT AC       | 0600-2200 LCL MON-FRI                                      | 200 AGL TO FL180              |
| PARADISE EAST   | SLC CNTR           | 0730-2200 MONDAY THRU FRIDAY                               | 14500 MSL TO FL180            |
| PARADISE WEST   | SLC CNTR           | 0730-2200 MONDAY THRU FRIDAY                               | 14500 MSL TO FL180            |
| PECOS NORTH     | ABQ CNTR           | 0800-2000, MON-FRI   | 11000 MSL TO FL180            |
| PECOS NORTH LOW | ABQ CNTR           | 0800-2000, MON-FRI   | 500 AGL TO 11000 MSL          |
| PECOS SOUTH     | ABQ CNTR           | 0800-2000 MON-FRI  | 500 AGL TO FL180 MSL          |
| PENSACOLA       | JAX CNTR           | NORMALLY SR-SS MON-SAT                                     | 10000 MSL TO FL180            |
| PENSACOLA NORTH | PENSACOLA          | INTERMITTENT, SUNRISE-2400 MON-SAT                         | 10000 MSL TO FL180            |
| PENSACOLA SOUTH | ATCT               | INTERMITTENT, SUNRISE-2400 MON-SAT                         | 10000 MSL TO FL180            |
| PHILIPS A       | FAA                | INTERMITTENT, 0600-2400 MON-FRI, 0700-1800 SAT-SUN         | 10000 MSL TO FL180            |
| PHILIPS B       | FAA                | INTERMITTENT, 0600-2400 MON-FRI, 0700-1800 SAT-SUN         | 10000 MSL TO FL180            |
| PHILIPS C       | FAA                | INTERMITTENT, 0600-2400 MON-FRI, 0700-1800 SAT-SUN         | 15000 MSL TO FL180            |
| PICKETT 1       | DCA CNTR           | INTERMITTENT, SUNRISE TO SUNSET                            | 500 AGL TO 6000 MSL           |
| PICKETT 2       | DCA CNTR           | INTERMITTENT, SUNRISE TO SUNSET                            | 500 AGL TO 10000 MSL          |
| PICKETT 3       | DCA CNTR           | INTERMITTENT, SUNRISE TO SUNSET                            | 4000 MSL TO 10000 MSL         |
| PIKE EAST       | FAA                | 0700 TO 1800 MON-SAT                                       | 300 AGL TO FL180              |
| PIKE WEST       | FAA                | 0700 TO 1800 MON-SAT                                       | 6000 MSL FL180                |
| PINE HILL EAST  | ATL CNTR           | 0700-2300 LCL MON-FRI, 0800-1500 LCL SAT                   | 10,000 MSL TO FL180           |
| PINE HILL WEST  | ATL CNTR           | 0700-2300 LCL MON-FRI, 0800-1500 LCL SAT                   | 10,000 MSL TO FL180           |
| PINON CANYON    | DEN CNTR           | INTERMITTENT BY NOTAM                                      | 100 AGL TO 10,000 MSL         |
| POINSETT        | SHAW AC            | 0600-2400 MONDAY-FRIDAY, 0800-1600 SATURDAY                | 300 AGL TO 2500 MSL           |
| PORTERVILLE     | LA CNTR            | 0600-2200 MON-FRI  | 2000 AGL TO FL180             |
| POWDER RIVER A  | SLC CNTR           | INTERMITTENT BY NOTAM                                      | 1000 AGL TO FL180             |
| POWDER RIVER B  | DEN CNTR           | INTERMITTENT BY NOTAM                                      | 1000 AGL TO FL180             |
| PRUITT 1        | KC CNTR            | 0900-1200 & 1300-1600 SUNDAY-SATURDAY                      | 500 AGL TO 6000 MSL           |
| PRUITT 2        | KC CNTR            | 0900-1200 & 1300-1600 SUNDAY-SATURDAY                      | 500 AGL TO 3000 MSL           |
| QUAIL           | LA CNTR            | 0700-1700 MST, MON-FRI                                     | 10000 MSL TO FL180            |
| RACER A         | INDY CNTR          | 0700-2200 LCL DAILY  | 500 AGL TO 4000 MSL           |
| RACER B         | INDY CNTR          | 0700-2200 LCL DAILY  | 4000 MSL TO 9000 MSL          |
| RACER C         | INDY CNTR          | 0700-2200 LCL DAILY  | 500 AGL TO FL180              |
| RACER D         | INDY CNTR          | 0700-2200 LCL DAILY  | 14000 MSL TO FL180            |
| RAINIER 1       | SEA-TAC AC         | INTERMITTENT BY NOTAM                                      | 2000 MSL TO 9000 MSL          |
| RAINIER 2       | SEA-TAC AC         | INTERMITTENT BY NOTAM                                      | 2000 MSL TO 9000 MSL          |
| RAINIER 3       | SEA-TAC AC         | INTERMITTENT BY NOTAM                                      | 2000 MSL TO 9000 MSL          |
| RANCH           | OAK CNTR           | 0715-2245 MON-FRI, 0800-1800 SAT                           | 500 AGL TO 9000 MSL           |
| RANCH HIGH      | OAK CNTR           | 0715-2245 MON-FRI, 0800-1800 SAT                           | 9000 MSL TO 13,000 MSL        |
| RANDOLPH 1A     | HOU CNTR           | SUNRISE-SUNSET MON-FRI                                     | 8000 MSL TO FL180             |
| RANDOLPH 1B     | SAN ANTONIO AC     | SUNRISE-SUNSET MON-FRI                                     | 7000 MSL TO 18000 MSL         |
| RANDOLPH 2A     | HOU CNTR           | SUNRISE-SUNSET MON-FRI                                     | 9000 MSL TO 18000 MSL         |
| RANDOLPH 2B     | HOU CNTR           | SUNRISE-SUNSET MON-FRI                                     | 14000 MSL TO FL180            |
| RED HILLS       | IND CNTR           | 0800-2200, MON-SUN   | 6000 MSL TO FL180             |
| RENO            | OAK CNTR           | 0800-1800 MONDAY-FRIDAY                                    | 5000 AGL TO FL180             |
| RESERVE         | ABQ CNTR           | BY NOTAM   | 100 AGL TO FL180              |
| REVELLE NORTH   | SLC CNTR           | 0600-2000 MON-FRI  | 100 AGL TO FL180              |
| REVELLE SOUTH   | SLC CNTR           | 0600-2000 MON-FRI  | 100 AGL TO FL180              |
| RILEY           | KC CNTR            | INTERMITTENT BY NOTAM                                      | 7000 MSL TO FL180             |
| RIVERS          | FTW CNTR           | 0900-2100 MON-FRI  | 8000 MSL TO FL180             |
| ROBERTS         | OAK CNTR           | INTERMITTENT BY NOTAM                                      | 500 AGL TO 15000 MSL          |
| ROOSEVELT A     | SEA CNTR           | INTERMITTENT BY NOTAM                                      | 9,000 MSL TO FL180            |
| ROOSEVELT B     | SEA CNTR           | INTERMITTENT BY NOTAM                                      | 300 AGL TO 9000 MSL           |
| ROSE HILL       | JAX CNTR           | 0600-2400 MON-FRI  | 8,000 MSL TO FL180            |
| RUBY 1          | ABQ CNTR           | 0600-1900 MON-FRI  | 10000 MSL TO FL180            |
| RUBY 2          | SLC CNTR           | INTERMITTENT BY NOTAM                                      | 10000 MSL TO FL180            |
| SADLE           | SLC CNTR           | INTERMITTENT BY NOTAM                                      | 8000 MSL TO FL180             |
| SADLE B         | KC CNTR            | 0600-2300 TUE-SUN  | TO 7000 MSL                   |
| SALINE          | HI-DESERT AC       | 0600-2200 MON-FRI  | 200 AGL TO FL180              |
| SHELLS 1        | LA CNTR            | 0600-1900 MON-FRI  | 10000 MSL TO FL180            |
| SHELLS 2        | LA CNTR            | 0600-1900 MON-FRI  | 3000 AGL TO 10000 MSL         |
| SHELLS 3        | LA CNTR            | 0600-1900 MON-FRI  | 3000 AGL TO 10000 MSL         |
| SEVIER A        | SLC CNTR           | 0500-2000 MON-SAT  | 100 AGL TO 14500 MSL          |
| SEVIER B        | SLC CNTR           | 1200-0300 MON-SAT  | 100 AGL TO 9500 MSL           |
| SEVIER C        | SLC CNTR           | BY NOTAM   | 14500 MSL TO FL180            |
| SEVIER D        | SLC CNTR           | BY NOTAM   | 9500 MSL TO FL180             |
| SEYMOUR         | DCA CNTR           | 0600-2000 LCL MON-FRI                                      | 7000 MSL TO FL180             |
| JOHNSON ECHO    |                    |  |                               |
| SHEPPARD 1      | FTW CNTR           | NORMALLY, MON-FRI, ONE HOUR BEFORE SR TO ONE HOUR AFTER SS | 8000 MSL TO FL180             |
| SHEPPARD 2      | FTW CNTR           | NORMALLY, MON-FRI, ONE HOUR BEFORE SR TO ONE HOUR AFTER SS | 8000 MSL TO FL180             |
| SHIRLEY A       | MEM CNTR           | 0700-1700 MON-FRI  | 11000 MSL TO FL180            |
| SHIRLEY B       | MEM CNTR           | 0700-1700 MON-FRI  | 11000 MSL TO FL180            |
| SHIRLEY C       | MEM CNTR           | INTERMITTENT BY NOTAM                                      | 11000 MSL TO FL180            |
| SHOSHONE        | LA CNTR            | 0600-2200 MON-FRI  | 200 AGL TO FL180              |
| SILVER NORTH    | LA CNTR            | INTERMITTENT BY NOTAM                                      | 200 AGL TO 9000 MSL           |
| SILVER SOUTH    | LA CNTR            | INTERMITTENT BY NOTAM                                      | 200 AGL TO 7000 MSL           |
| SMITTY          | ABQ CNTR           | 0800-2200 DAILY  | 500 AGL TO 13500 MSL          |

| MOA NAME         | CONTROLLING AGENCY | TIMES OF USE                            | ALTITUDE OF USE      |
|------------------|--------------------|---|----------------------|
| SMOKY            | KC CNTR            | 0900-1700 MON-SAT                       | 500 AGL TO 5000 MSL  |
| SMOKY HI         | KC CNTR            | 0900-1700 MON-SAT                       | 5000 MSL TO FL180    |
| SNOOPY EAST      | MSP CNTR           | BY NOTAM                                | 300 AGL TO FL180     |
| SNOOPY WEST      | MSP CNTR           | BY NOTAM                                | 6000 MSL TO FL180    |
| SNOWBIRD         | ATL CNTR           | INTERMITTENT 0800-2100 BY NOTAM         | 11000 MSL TO FL180   |
| STEELHEAD        | FAA                | 0700 - 1800 MON - SAT                   | 6000 MSL TO FL180    |
| STUMPY POINT     | DCA CNTR           | INTERMITTENT SR-2300 MON-FRI            | TO 8000 MSL          |
| SUNDANCE         | LA CNTR            | INTERMITTENT BY NOTAM                   | 500 AGL TO 10000 MSL |
| SUNNY            | ABQ CNTR           | BY NOTAM                                | 12000 MSL TO FL180   |
| TABAN            | ABQ CNTR           | 0800-0000 MON-FRI                       | 500 AGL TO 11000 MSL |
| TALON HIGH EAST  | ABQ CNTR           | SUNRISE-SUNSET MONDAY-FRIDAY            | 12500 MSL TO FL180   |
| TALON HIGH WEST  | ABQ CNTR           | SUNRISE-SUNSET MONDAY-FRIDAY            | 12500 MSL TO FL180   |
| TALON LOW        | ABQ CNTR           | SUNRISE-SUNSET, MONDAY-FRIDAY           | 300 AGL TO 12500 MSL |
| TEXON            | HOU CNTR           | SUNRISE-SUNSET MONDAY-FRIDAY            | 6000 MSL TO FL180    |
| TIGER NORTH      | MSP CNTR           | INTERMITTENT BY NOTAM                   | 300 AGL TO FL180     |
| TIGER SOUTH      | MSP CNTR           | INTERMITTENT BY NOTAM                   | 6000 MSL TO FL180    |
| TOMBSTONE A      | ABQ CNTR           | 0600-2100 MONDAY-FRIDAY                 | 500 AGL TO 14500 MSL |
| TOMBSTONE B      | ABQ CNTR           | 0600-2100 MONDAY-FRIDAY                 | 500 AGL TO 14500 MSL |
| TOMBSTONE C      | ABQ CNTR           | 0600-2100 MONDAY-FRIDAY                 | 14500 MSL TO FL180   |
| TOKTUGAS         | MIA CNTR           | INTERMITTENT 0700-2300 DAILY            | 5000 MSL TO FL180    |
| TRUMAN A         | KC CNTR            | 0600-2400 DAILY                         | 8000 MSL TO FL180    |
| TRUMAN B         | KC CNTR            | 0600-2400 DAILY                         | 8000 MSL TO FL180    |
| TRUMAN C         | KC CNTR            | 0600-2400 DAILY                         | 500 AGL TO FL180     |
| TUPPER CENTRAL   | BOS CNTR           | 0800-2200 MONDAY-FRIDAY                 | 6000 MSL TO FL 180   |
| TUPPER EAST      | BOS CNTR           | 0800-2200 MONDAY-FRIDAY                 | 10000 MSL TO FL 180  |
| TUPPER SOUTH     | BOS CNTR           | 0800-2200 MONDAY-FRIDAY                 | 6000 MSL TO FL 180   |
| TUPPER WEST      | BOS CNTR           | 0800-2200 MONDAY-FRIDAY                 | 6000 MSL TO FL 180   |
| TURTLE           | LA CNTR            | 0600-1600 PST, MON-FRI                  | 11000 MSL TO FL180   |
| TWELVE MILE EAST | CHI CNTR           | MON-SAT 0900 TO SUNSET                  | 500 AGL TO 6000 MSL  |
| TWELVE MILE WEST | CHI CNTR           | MON-SAT 0900 TO SUNSET                  | 500 AGL TO 6000 MSL  |
| TWO BUTTES       | DEN CNTR           | SR TO SS TUESDAY-SATURDAY               | 10000 MSL TO FL 180  |
| HIGH             | DEN CNTR           | INTERMITTENT BY NOTAM                   | 300 AGL TO 10000 MSL |
| TWO BUTTES LOW   | DEN CNTR           | INTERMITTENT BY NOTAM                   | 9000 MSL TO FL180    |
| TYNDALL B        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 9000 MSL TO FL180    |
| TYNDALL C        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 300 AGL TO 6000 MSL  |
| TYNDALL D        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 300 AGL TO FL180     |
| TYNDALL E        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 300 AGL TO FL180     |
| TYNDALL F        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 300 AGL TO FL180     |
| TYNDALL G        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 1000 AGL TO FL180    |
| TYNDALL H        | TYNDALL AC         | INTERMITTENT SR-SS, MON-FRI             | 9000 MSL TO FL180    |
| VALENTINE        | ABQ CNTR           | BY NOTAM                                | 15000 MSL TO FL180   |
| VANCE 1A         | KC CNTR            | 1 HR BEFORE SR TO 1 HR AFTER SS MON-FRI | 10000 MSL TO FL180   |
| VANCE 1B         | KC CNTR            | MON-FRI BY NOTAM                        | 7000 MSL TO FL180    |
| VANCE 1C         | KC CNTR            | 1 HR BEFORE SR TO 1 HR AFTER SS MON-FRI | 10000 MSL TO FL 180  |
| VANCE 1D         | KC CNTR            | 1 HR BEFORE SR TO 1 HR AFTER SS MON-FRI | 10000 MSL TO FL 180  |
| VOLK EAST        | CHI CNTR           | INTERMITTENT BY NOTAM 0800-1600 TUE-SAT | 8000 MSL TO FL180    |
| VOLK SOUTH       | CHI CNTR           | INTERMITTENT BY NOTAM 0800-1600 TUE-SAT | 500 AGL TO FL180     |
| VOLK WEST        | MSP CNTR           | INTERMITTENT BY NOTAM 0800-1600 TUE-SAT | 100 AGL TO FL180     |
| WARRIOR 1 HIGH   | HOU CNTR           | 0700-2200, MON-FRI                      | 10000 MSL TO FL180   |
| WARRIOR 1 LOW    | HOU CNTR           | 0700-2200, MON-FRI                      | 100 AGL TO 10000 MSL |
| WARRIOR 2 HIGH   | HOU CNTR           | 0700-2100, MON-FRI                      | 10000 MSL TO FL180   |
| WARRIOR 2 LOW    | HOU CNTR           | 0700-2200, MON-FRI                      | 100 AGL TO 10000 MSL |
| WARRIOR 3 HIGH   | HOU CNTR           | 0700-2200, MON-FRI                      | 10000 MSL TO FL180   |
| WARRIOR 3 LOW    | HOU CNTR           | 0700-2200, MON-FRI                      | 100 AGL TO 10000 MSL |
| WASHITA          | FTW CNTR           | 1 HR BEFORE SR TO 1 HR AFTER SS M-F     | 8000 MSL TO FL180    |
| WESTOVER 1       | FTW CNTR           | 1 HR BEFORE SR TO 1 HR AFTER SS M-F     | 10000 MSL TO FL180   |
| WESTOVER 2       | FTW CNTR           | 1 HR BEFORE SR TO 1 HR AFTER SS M-F     | 9000 MSL TO FL180    |
| WHITMORE 1       | OAK CNTR           | 0730-1630 MON-FRI                       | 11000 MSL TO FL180   |
| WHITMORE 2       | OAK CNTR           | 0730-1630 MON-FRI                       | 11000 MSL TO FL180   |
| WHITMORE 3       | OAK CNTR           | 0730-1630 MON-FRI                       | 11000 MSL TO FL180   |
| YANKEE 1         | BOS CNTR           | SUNRISE-SUNSET                          | 9000 MSL TO FL180    |
| YANKEE 2         | BOS CNTR           | SUNRISE-SUNSET                          | 100 AGL TO 9000 MSL  |

| RESTRICTED AREAS |                          |  |                          |
|------------------|--------------------------|--|--------------------------|
| LOCATION         | CONTROL                  | TIMES OF USE   | ALTITUDES                |
| R-2101           | ANNISTON ARMY DEPOT, AL  | 0700-1800 LCL, MON-FRI                                     | TO 5000 MSL              |
| R-2102A          | FT MCCLLELLAN, AL        | ATL CNTR INTMT, 06-2200, OTR TIMES BY NOTAM                | TO 8000 MSL              |
| R-2102B          | FT MCCLLELLAN, AL        | ATL CNTR INTMT, 06-2200, OTR TIMES BY NOTAM                | 8000 MSL TO 14000 MSL    |
| R-2102C          | FT MCCLLELLAN, AL        | ATL CNTR INTMT, 06-2200, OTR TIMES BY NOTAM                | 14000 MSL TO 24000 MSL   |
| R-2103A          | FT RUCKER, AL            | CAIRNS AC CONTINUOUS                                       | TO 10000 MSL             |
| R-2103B          | FT RUCKER, AL            | JAX CNTR BY NOTAM  | 10000 MSL TO 15000 MSL   |
| R-2104A          | HUNTSVILLE, AL           | MEM CNTR INTMT, 06-2000, OTR TIMES BY NOTAM                | TO 12000 MSL             |
| R-2104B          | HUNTSVILLE, AL           | MEM CNTR INTMT, 06-2200, OTR TIMES BY NOTAM                | TO 2400MSL               |
| R-2104C          | HUNTSVILLE, AL           | MEM CNTR INTMT, 06-2000, OTR TIMES BY NOTAM                | TO 12000 MSL             |
| R-2104D          | HUNTSVILLE, AL           | MEM CNTR BY NOTAM  | 12000 MSL TO FL 300      |
| R-2104E          | HUNTSVILLE, AL           | MEM CNTR BY NOTAM  | 12000 MSL TO FL 300      |
| R-2301E          | AJO EAST, AZ             | ABQ CNTR 0630-2400   | TO FL800                 |
| R-2301W          | AJO WEST, AZ             | LA CNTR CONTINUOUS   | TO FL800                 |
| R-2302           | FLAGSTAFF, AZ            | ABQ CNTR 0800-2400, MON-SAT                                | TO 10000 MSL             |
| R-2303A          | HUACHUCA, AZ             | ABQ CNTR MON-FRI, 0700-1700, OTHER TIMES BY NOTAM          | TO 15000 MSL             |
| R-2303B          | HUACHUCA, AZ             | ABQ CNTR MON-FRI, 0700-1700, OTHER TIMES BY NOTAM          | 8000 MSL TO FL 300       |
| R-2303C          | HUACHUCA, AZ             | ABQ CNTR INTERMITTENT BY NOTAM                             | 15000 MSL TO FL 300      |
| R-2304           | GILA BEND, AZ            | ABQ CNTR 0630-2400   | TO FL 240                |
| R-2305           | GILA BEND, AZ            | ABQ CNTR 0630-2400   | TO FL 240                |
| R-2306A          | YUMA WEST, AZ            | LA CNTR CONTINUOUS   | TO 80,000 MSL            |
| R-2306B          | YUMA WEST, AZ            | LA CNTR CONTINUOUS   | TO 80,000 MSL            |
| R-2306C          | YUMA WEST, AZ            | LA CNTR 0600-2200  | TO 40,000 MSL            |
| R-2306D          | YUMA NORTH, AZ           | LA CNTR CONTINUOUS   | TO FL230                 |
| R-2306E          | YUMA WEST, AZ            | LA CNTR CONTINUOUS   | TO 80,000 MSL            |
| R-2307           | YUMA, AZ                 | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2308A          | YUMA EAST, AZ            | LA CNTR CONTINUOUS   | 1500 AGL TO FL 800       |
| R-2308B          | YUMA EAST, AZ            | LA CNTR CONTINUOUS   | TO 16,000 MSL            |
| R-2308C          | YUMA NORTH, AZ           | LA CNTR CONTINUOUS   | 1500 AGL TO FL 230       |
| R-2309           | YUMA, AZ                 | LA CNTR CONTINUOUS   | TO 15,000 MSL            |
| R-2310A          | FLORENCE, AZ             | ABQ CNTR INTERMITTENT BY NOTAM                             | TO 10,000 MSL            |
| R-2310B          | FLORENCE, AZ             | ABQ CNTR INTERMITTENT BY NOTAM                             | 10,000 MSL TO 17,000 MSL |
| R-2310C          | FLORENCE, AZ             | ABQ CNTR INTERMITTENT BY NOTAM                             | 17,000 MSL TO 35,000 MSL |
| R-2311           | YUMA, AZ                 | YUMA AC SR TO SS, MON - SAT                                | TO 3500 MSL              |
| R-2312           | FT HUACHUCA, AZ          | LIBBY ATCF CONTINUOUS                                      | TO 15,000 MSL            |
| R-2401A          | CHAFFEE, AR              | MEM CNTR SR TO SS MON-SUN                                  | TO 30000 MSL             |
| R-2401B          | CHAFFEE, AR              | MEM CNTR SR TO SS MON-SUN                                  | TO 30000 MSL             |
| R-2402           | CHAFFEE, AR              | MEM CNTR CONTINUOUS, APR 1 - SEPT 30, OTHER TIMES BY NOTAM | TO 30,000MSL             |
| R-2403A          | LITTLE ROCK, AR          | MEM CNTR BY NOTAM  | TO 16,000MSL             |
| R-2403B          | LITTLE ROCK, AR          | MEM CNTR BY NOTAM  | TO 16,000MSL             |
| R-2501E          | BULLION MTNS EAST, CA    | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2501N          | BULLION MTNS NORTH, CA   | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2501S          | BULLION MTNS SOUTH, CA   | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2501W          | BULLION MTNS WEST, CA    | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2502A          | FT IRWIN, CA             | HI-DESERT CONTINUOUS                                       | TO 16000 MSL             |
| R-2502E          | FT IRWIN, CA             | HI-DESERT CONTINUOUS                                       | UNLIMITED                |
| R-2502N          | FT IRWIN, CA             | HI-DESERT CONTINUOUS                                       | UNLIMITED                |
| R-2503A          | PENDLETON, CA            | LA CNTR 0600-2400 DAILY                                    | TO 2000 MSL              |
| R-2503B          | PENDLETON, CA            | LA CNTR 0600-2400 DAILY                                    | TO 15 000 MSL            |
| R-2503C          | PENDLETON, CA            | LA CNTR INTERMITTENT BY NOTAM                              | 15 000 MSL TO FL 270     |
| R-2503D          | PENDLETON, CA            | SOCAL AC INTERMITTENT BY NOTAM                             | 2000 MSL TO 11000 MSL    |
| R-2504           | CAMP ROBERTS, CA         | OAK CNTR 0600-2400 DAILY                                   | TO 15 000 MSL            |
| R-2505           | CHINA LAKE, CA           | HI-DESERT CONTINUOUS                                       | UNLIMITED                |
| R-2506           | CHINA LAKE SOUTH, CA     | HI-DESERT SR-SS, MON-FRI                                   | TO 6000 MSL              |
| R-2507E          | CHOCOLATE MTNS, CA       | LA CNTR CONTINUOUS   | TO FL 400                |
| R-2507N          | NORTH CHOCOLATE MTNS, CA | LA CNTR CONTINUOUS   | TO FL 400                |
| R-2507S          | SOUTH CHOCOLATE MTNS, CA | LA CNTR CONTINUOUS   | TO FL 400                |
| R-2508           | COMPLEX, CA              | HI-DESERT CONTINUOUS                                       | 20 000 MSL TO UNLIMITED  |
| R-2510A          | BL CENTRO, CA            | LA CNTR 0700-2300 DAILY, OTHER TIMES BY NOTAM              | TO 15 000 MSL            |
| R-2510B          | BL CENTRO, CA            | LA CNTR BY NOTAM 0700-2300                                 | 15 000 MSL TO FL 400     |
| R-2512           | HOLTVILLE, CA            | LA CNTR 0600-2300 DAILY, OTHER TIMES BY NOTAM              | TO 23 000 MSL            |
| R-2513           | HUNTER-LIGGETT, CA       | OAK CNTR CONTINUOUS  | TO FL 240                |
| R-2515           | MUROC LAKE, CA           | HI-DESERT CONTINUOUS                                       | UNLIMITED                |
| R-2516           | VANDENBERG AFB, CA       | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2517           | VANDENBERG AFB, CA       | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2519           | POINT MUGU, CA           | LA CNTR CONTINUOUS   | UNLIMITED                |
| R-2524           | TRONA, CA                | HI-DESERT AC   | UNLIMITED                |
| R-2530           | SIERRA ARMY DEPOT, CA    | OAK CNTR 0800-1800 PST, MON-FRI, OTHER TIMES BY NOTAM      | TO 8600 MSL              |
| R-2531           | TRACY, CA                | OAK CNTR 1000-2050, MON-FRI, & ON SAT AND SUN BY NOTAM     | TO 4000 MSL              |

| PROHIBITED AREAS |                   |                   |              |  |
|------------------|-------------------|-------------------|--------------|--|
| LOCATION         | TIMES             | ALTITUDE          |              |  |
| P-40             | THURMONT, MD      | NO A/G CONTINUOUS | TO 5000 MSL  |  |
| P-47             | AMARILLO, TX      | NO A/G CONTINUOUS | TO 4800 MSL  |  |
| P-49             | CRAWFORD, TX      | NO A/G CONTINUOUS | TO 5000 MSL  |  |
| P-50             | KINGS BAY, GA     | NO A/G CONTINUOUS | TO 3000 MSL  |  |
| P-51             | BANGOR, WA        | NO A/G CONTINUOUS | TO 2500 MSL  |  |
| P-56A            | WASHINGTON, DC    | NO A/G CONTINUOUS | TO 18000 MSL |  |
| P-56B            | WASHINGTON, DC    | NO A/G CONTINUOUS | TO 18000 MSL |  |
| P-67             | KENNEBUNKPORT, ME | NO A/G CONTINUOUS | TO 1000 MSL  |  |
| P-73             | MOUNT VERNON, VA  | NO A/G CONTINUOUS | TO 1500 MSL  |  |
| P-204            | SUPERIOR, MN      | NO A/G CONTINUOUS | TO 4000 MSL  |  |
| P-205            | SUPERIOR, MN      | NO A/G CONTINUOUS | TO 4000 MSL  |  |
| P-206            | SUPERIOR, MN      | NO A/G CONTINUOUS | TO 4000 MSL  |  |

| RESTRICTED AREAS |                        |                 |   |   |
|------------------|------------------------|-----------------|---|---|
| LOCATION         | CONTROL                | TIMES OF USE    | ALTITUDES                                       |   |
| R-2534A          | VANDENBERG AFB, CA     | LA CNTR         | INTERMITTENT BY NOTAM                           | 500 AGL TO UNLIMITED  |
| R-2534B          | VANDENBERG AFB, CA     | LA CNTR         | INTERMITTENT BY NOTAM                           | 500 AGL TO UNLIMITED  |
| R-2535A          | SAN NICOLAS ISLAND, CA | LA CNTR         | 0600-2200 MON-FRI, OTHER TIMES BY NOTAM         | TO 100,000 MSL  |
| R-2535B          | SAN NICOLAS ISLAND, CA | LA CNTR         | 0600-2200 MON-FRI, OTHER TIMES BY NOTAM         | TO 100,000 MSL  |
| R-2601A          | CARSON, CO             | DEN CNTR        | 0500-2400 MON-FRI OTHER TIMES BY NOTAM          | TO 12500  |
| R-2601B          | CARSON, CO             | DEN CNTR        | BY NOTAM  | 12,500 MSL TO FL 225  |
| R-2601C          | CARSON, CO             | DEN CNTR        | BY NOTAM  | 22,500 MSL TO FL 350  |
| R-2601D          | CARSON, CO             | DEN CNTR        | BY NOTAM  | 3500 MSL TO FL 600  |
| R-2602           | COLORADO SPRINGS, CO   | DEN CNTR        | CONTINUOUS                                      | TO 10000 AGL  |
| R-2901A          | AVON PARK, FL          | MIA CNTR        | INTMT, 0600-2400 MON-FRI, 0800-1800 SAT-SUN     | TO 14,000 MSL   |
| R-2901B          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | 14,000 MSL TO FL 180  |
| R-2901C          | AVON PARK WEST, FL     | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | TO 14000 MSL  |
| R-2901D          | AVON PARK, FL          | MIA CNTR        | INTMT, 0600-2400 MON-FRI, 0800-1800, SAT-SUN    | 500 MSL-4000 MSL  |
| R-2901E          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | 1000 MSL TO 4000 MSL  |
| R-2901F          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | 4000 MSL TO 5000 MSL  |
| R-2901G          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | TO 5000 MSL   |
| R-2901H          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | 1000 MSL TO 4000 MSL  |
| R-2901I          | AVON PARK, FL          | MIA CNTR        | INTMT, 06-2400 LCL MON-FRI, 08-1800 LCL SAT-SUN | 1500 MSL TO 4000 MSL  |
| R-2903A          | STEVENS LAKE, FL       | JAX CNTR        | INTERMITTENT, 0700-1900 LCL TUE-SUN             | TO 23000 MSL  |
| R-2903B          | STEVENS LAKE, FL       | JAX CNTR        | INTERMITTENT, 2000-0500 LCL SAT-SUN             | 23000 MSL TO 32000 MSL  |
| R-2903C          | STEVENS LAKE, FL       | JAX AC          | INTERMITTENT, 0700-1900 LCL TUE-SUN             | TO 7000 MSL   |
| R-2903D          | STEVENS LAKE, FL       | JAX AC          | INTERMITTENT, 0700-1900 LCL TUE-SUN             | TO 5000 MSL   |
| R-2904A          | STARKE, FL             | JAX AC          | APR-AUG 0800-1700, SEP-MAR, SAT-SUN 0800-1700   | TO 1800 MSL   |
| R-2905A          | TYNDALL AFB, FL        | JAX CNTR        | INTERMITTENT                                    | TO 10000 MSL  |
| R-2905B          | TYNDALL AFB, FL        | JAX CNTR        | INTERMITTENT                                    | TO 10000 MSL  |
| R-2906           | RODMAN, FL             | JAX AC          | INTMT, 05-0100 LCL DLY                          | TO 14000 MSL  |
| R-2907A          | LAKE GEORGE, FL        | JAX CNTR        | INTMT, 05-0100 LCL DLY                          | TO FL 230   |
| R-2907B          | LAKE GEORGE, FL        | JAX CNTR        | INTMT, 05-0100 LCL DLY                          | TO 9000 MSL FROM 81-40-00W TO 81-42-55W, TO 6000 MSL FROM 81-42-55W TO 81-51-50W        |
| R-2908           | PENSACOLA, FL          | PENSACOLA AC    | NOV-DEC, MON-FRI, 0800-1600 LOCAL               | TO 12000 MSL  |
| R-2910           | PINCASTLE, FL          | JAX CNTR        | INTMT, 05-0100 LCL DLY                          | TO FL 230 WITHIN 5NM CIRC, TO 9000 MSL WITHIN 6NM EXTN & SE EXTN, TO 6000 MSL WITHIN SE |
| R-2914A          | VALPARAISO, FL         | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2914B          | VALPARAISO, FL         | JAX CNTR        | CONTINUOUS                                      | 8500 MSL TO UNLTD   |
| R-2915A          | ELGIN AFB, FL          | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2915B          | ELGIN AFB, FL          | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2915C          | ELGIN AFB, FL          | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2916           | CUDJOE KEY, FL         | MIA CNTR        | CONTINUOUS                                      | 8500 MSL TO UNLTD   |
| R-2917           | DEFUNIAK SPRINGS, FL   | EGLIN AC        | CONTINUOUS                                      | 8500 MSL TO UNLTD TO FL 230   |
| R-2918           | VALPARAISO, FL         | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2919A          | VALPARAISO, FL         | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2919B          | VALPARAISO, FL         | JAX CNTR        | CONTINUOUS                                      | TO UNLIMITED  |
| R-2922           | CAPE CANAVERAL, FL     | MIA CNTR        | CONTINUOUS                                      | 8500 MSL TO UNLTD   |
| R-2923           | CAPE CANAVERAL, FL     | MIA CNTR        | INTERMITTENT                                    | TO UNLTD  |
| R-2924           | CAPE CANAVERAL, FL     | MIA CNTR        | INTERMITTENT                                    | TO UNLTD  |
| R-2925           | CAPE CANAVERAL, FL     | MIA CNTR        | INTERMITTENT                                    | 11000 MSL TO UNLTD  |
| R-2936           | WEST PALM BEACH, FL    | PALM BEACH ATCT | INTERMITTENT                                    | TO 10000 MSL  |
| R-3002A          | FT BENNING, GA         | COLUMBUS ATCT   | INTMT, 06-0200 LCL DLY                          | TO 4000 MSL   |
| R-3002B          | FT BENNING, GA         | ATL AC          | INTMT, 06-0200 LCL DLY                          | 4000 MSL TO 8000 MSL  |
| R-3002C          | FT BENNING, GA         | ATL AC          | INTERMITTENT                                    | 8000 MSL TO 14000 MSL   |
| R-3002D          | FT BENNING, GA         | ATL AC          | INTMT, 0600-0200 LCL DAILY                      | TO 8000 MSL   |
| R-3002E          | FT BENNING, GA         | ATL AC          | INTMT BY NOTAM 6 HRS IN ADVN                    | 8000 MSL TO 14000 MSL   |
| R-3002F          | FT BENNING, GA         | ATL AC          | INTMT BY NOTAM 6 HRS IN ADVN                    | 14000 MSL TO FL 250   |
| R-3002G          | FT BENNING, GA         | ATL AC          | 0600-0200 LCL DAILY                             | TO 14000 MSL  |
| R-3004           | FT GORDON, GA          | ATL CNTR        | BY NOTAM  | TO 16000 MSL  |
| R-3005A          | FT STEWART, GA         | JAX CNTR        | 0600-2400 MON-SUN                               | TO 29,000 MSL   |
| R-3005B          | FT STEWART, GA         | JAX CNTR        | 0600-2400 MON-SUN                               | TO 29,000 MSL   |
| R-3005C          | FT STEWART, GA         | JAX CNTR        | 0600-2400 MON-SUN                               | TO 29,000 MSL   |
| R-3005D          | FT STEWART, GA         | JAX CNTR        | 0600-2400 MON-SUN                               | TO 29,000 MSL   |
| R-3005E          | FT STEWART, GA         | JAX CNTR        | 0600-2400 MON-SUN                               | TO 29,000 MSL   |
| R-3007A          | TOWNSEND, GA           | JAX CNTR        | 0700-2200 MON-FRI                               | TO 13000 MSL  |
| R-3007B          | TOWNSEND, GA           | JAX CNTR        | 0700-2200 MON-FRI                               | 1200 AGL TO 13000 MSL   |
| R-3007C          | TOWNSEND, GA           | JAX CNTR        | 0700-2200 MON-FRI                               | 100 AGL TO 13000 MSL  |

| RESTRICTED AREAS |                              |                  |  |                             |
|------------------|------------------------------|------------------|--|-----------------------------|
| LOCATION         | CONTROL                      | TIMES OF USE     | ALTITUDES  |                             |
| R-3007D          | TOWNSEND, GA                 | JAX CNTR         | 0700-2200 MON-FRI                                      | 13000 MSL TO FL 250         |
| R-3008A          | GRAND BAY WEAPONS RANGE, GA  | VALDOSTA AC      | 0700-2200 MON-FRI                                      | TO 10000 MSL                |
| R-3008B          | GRAND BAY WEAPONS RANGE, GA  | VALDOSTA AC      | 0700-2200 MON-FRI                                      | 100 AGL TO 10000 MSL        |
| R-3008C          | GRAND BAY WEAPONS RANGE, GA  | VALDOSTA AC      | 0700-2200 MON-FRI                                      | 500 AGL TO 10000 MSL        |
| R-3008D          | GRAND BAY WEAPONS RANGE, GA  | VALDOSTA AC      | 0700-2200 MON-FRI                                      | 10,000 MSL TO FL 230        |
| R-3202           | LOW                          | SAYLOR CREEK, ID | SLC CNTR   | 0730-2200 MON-FRI TO FL 180 |
| R-3203A          | BOISE, ID                    | SLC CNTR         | BY NOTAM   | TO 15000 MSL                |
| R-3203B          | BOISE, ID                    | SLC CNTR         | BY NOTAM   | 15000 MSL TO 22000 MSL      |
| R-3203C          | BOISE, ID                    | SLC CNTR         | BY NOTAM   | TO 6000 MSL                 |
| R-3203D          | BOISE, ID                    | BOISE AC         | BY NOTAM   | TO 22000 MSL                |
| R-3204A          | JUNIPER BUTTES, ID           | SLC CNTR         | 0730-2200 LOCAL TIME, MONDAY THRU FRIDAY               | TO 100 AGL                  |
| R-3204B          | JUNIPER BUTTES, ID           | SLC CNTR         | 0730-2200 LOCAL TIME, MONDAY THRU FRIDAY               | 100 AGL TO FL 180           |
| R-3204C          | JUNIPER BUTTES, ID           | SLC CNTR         | 0730-2200 LOCAL TIME, MONDAY THRU FRIDAY               | FL 180 TO FL 290            |
| R-3401A          | ATTERBURY RESERVE FORCES, IN | IND CNTR         | MAY 1-SEP 30, CONT, OCT 1-APR 30, 0800-2300 TUE-SAT    | TO 40000 MSL                |
| R-3401B          | ATTERBURY RESERVE FORCES, IN | IND CNTR         | MAY 1-SEP 30, MON-SUN, OCT 1-APR 30, 0800-2300 TUE-SAT | 1200 AGL TO 14000 MSL       |
| R-3403A          | JEFFERSON PROVING GROUND, IN | IND CNTR         | 0630-2400 LCL DAILY                                    | TO 43000 MSL                |
| R-3403B          | JEFFERSON PROVING GROUND, IN | IND CNTR         | 0800-2300 LCL DAILY                                    | 1200 AGL TO FL 180          |
| R-3404           | CRANE, IN                    | TERRE HAUTE ATCT | SUNRISE-SUNSET DAILY MAY 1-NOVEMBER 1                  | TO 2500 MSL                 |
| R-3601A          | BROOKVILLE, KS               | KC CNTR          | MON-SAT 0900-1700 LCL                                  | TO FL 180                   |
| R-3601B          | BROOKVILLE, KS               | KC CNTR          | MON-SAT 0900-1700 LCL                                  | FL 180 TO FL 230            |
| R-3602A          | MANHATTAN, KS                | KC CNTR          | CONTINUOUS   | TO 29,000 MSL               |
| R-3602B          | MANHATTAN, KS                | KC CNTR          | CONTINUOUS   | TO 29,000 MSL               |
| R-3701A          | FT CAMPBELL, KY              | CAMPBELL         | CONTINUOUS   | TO 5000 MSL                 |
| R-3702A          | FT CAMPBELL, KY              | MEM CNTR         | BY NOTAM   | TO 10000 MSL                |
| R-3702B          | FT CAMPBELL, KY              | MEM CNTR         | BY NOTAM   | 10000 MSL TO FL 220         |
| R-3702C          | FT CAMPBELL, KY              | MEM CNTR         | BY NOTAM   | FL 220 TO FL 270            |
| R-3704A          | FT KNOX, KY                  | STANDIFORD ATCT  | 0600-2400 EST  | TO 10,000 MSL               |
| R-3704B          | FT KNOX, KY                  | STANDIFORD ATCT  | BY NOTAM   | 10000 MSL TO 20000 MSL      |
| R-3801A          | CAMP CLAIBORNE, LA           | HOU CNTR         | 0800-2200 LCL, M-F                                     | SFC TO 10000 MSL            |
| R-3801B          | CAMP CLAIBORNE, LA           | HOU CNTR         | 0800-2200 LCL, M-F                                     | 10000 MSL TO FL 180         |
| R-3801C          | CAMP CLAIBORNE, LA           | HOU CNTR         | 0800-2200 LCL, M-F                                     | 7000 MSL TO 14000 MSL       |
| R-3803A          | FT POLK, LA                  | HOU CNTR         | CONTINUOUS   | TO FL 180                   |
| R-3803B          | FT POLK, LA                  | HOU CNTR         | CONTINUOUS   | FL 180 TO FL 350            |
| R-3804A          | FT POLK, LA                  | HOU CNTR         | CONTINUOUS   | TO FL 180                   |
| R-3804B          | FT POLK, LA                  | HOU CNTR         | CONTINUOUS   | TO 3000 MSL                 |
| R-3807           | FT POLK, LA                  | HOU CNTR         | BY NOTAM   | FL 180 TO FL 350            |
| R-4001A          | ABERDEEN, MD                 | DCA CNTR         | CONTINUOUS   | TO 15000 MSL                |
| R-4001B          | ABERDEEN, MD                 | DCA CNTR         | 0700-2400 LCL  | TO UNLIMITED,               |
| R-4002           | BLOODSWORTH ISLAND, MD       | DCA CNTR         | INTMT BY NOTAM   | TO 10000 MSL                |
| R-4005           | PATUXENT RIVER, MD           | DCA CNTR         | SUNRISE-2400 DAILY                                     | TO 20,000 MSL               |
| R-4006           | PATUXENT RIVER, MD           | DCA CNTR         | 0700-2300, DAILY                                       | TO FL 250                   |
| R-4007           | PATUXENT RIVER, MD           | DCA CNTR         | 0700-2300, DAILY                                       | 3500 MSL TO FL 250          |
| R-4008           | PATUXENT RIVER, MD           | DCA CNTR         | 0700-2300, DAILY                                       | TO 5000 MSL                 |
| R-4009           | THURMONT, MD                 | DCA CNTR         | CONTINUOUS   | FL 250 TO FL 850            |
| R-4101           | CAMP EDWARDS, MA             | CAPE AC          | CONTINUOUS   | 5000 MSL TO 12,500 MSL      |
| R-4102A          | FT DEVENS, MA                | BOS AC           | 0600-1800 LCL DAILY                                    | TO 9000 MSL                 |
| R-4102B          | FT DEVENS, MA                | BOS AC           | 0800-2200 SATURDAY                                     | TO 2000 MSL                 |
| R-4105A          | NO MANS LAND ISLAND, MA      | CAPE AC          | 0800-2200 SATURDAY                                     | 2000 MSL TO 3995 MSL        |
| R-4105B          | NO MANS LAND ISLAND, MA      | CAPE AC          | SUNRISE-SUNSET   | TO 10,000 MSL               |
| R-4201A          | CAMP GRAYLING, MI            | MSP CNTR         | SUNRISE-SUNSET   | 10,000 MSL TO 18,000 MSL    |
| R-4201B          | CAMP GRAYLING, MI            | MSP CNTR         | 0800-1600 LCL TUE-SAT                                  | TO 23000 MSL                |
| R-4202           | CAMP MARGRETHE, MI           | MSP CNTR         | 0001 SAT-2359 SUN LCL                                  | TO 4000 MSL                 |
| R-4207           | UPPER LAKE HURON, MI         | MSP CNTR         | BY NOTAM   | TO 8200 MSL                 |
| R-4301           | CAMP RIPLEY, MN              | MSP CNTR         | INTERMITTENT, SUNRISE TO SUNSET                        | TO FL 450                   |
| R-4305           | LAKE SUPERIOR, MN            | MSP CNTR         | 0730-2400 LCL DAILY                                    | TO 27000 MSL                |
| R-4401A          | CAMP SHELBY, MS              | HOU CNTR         | INTERMITTENT   | TO FL 450                   |
| R-4401B          | CAMP SHELBY, MS              | HOU CNTR         | BY NOTAM   | TO 4000 MSL                 |
| R-4401C          | CAMP SHELBY, MS              | HOU CNTR         | BY NOTAM   | 4000 MSL TO 18000 MSL       |
| R-4403           | GAINESVILLE, MS              | HOU CNTR         | BY NOTAM   | 18000 MSL TO 29000 MSL      |
| R-4404A          | MACON, MS                    | MEM CNTR         | INTERMITTENT, 0600-2300                                | TO 5000 MSL                 |
| R-4404B          | MACON, MS                    | MEM CNTR         | INTMT, 07-1800 LCL DLY                                 | TO 11500 MSL                |
| R-4404C          | MACON, MS                    | MEM CNTR         | INTMT, 07-1800 LCL DLY                                 | 1200 AGL TO 11500 MSL       |
| R-4501A          | FT LEONARD WOOD WEST, MO     | KC CNTR          | INTMT, 07-1800 LCL DLY                                 | 11500 MSL TO 14500 MSL      |
| R-4501B          | FT LEONARD WOOD WEST, MO     | KC CNTR          | 0630-2100 MON-SAT                                      | TO 2200 MSL                 |

| RESTRICTED AREAS |                               |              |  |   |
|------------------|-------------------------------|--------------|--|---|
| LOCATION         | CONTROL                       | TIMES OF USE | ALTITUDES  |   |
| R-4501B          | FT LEONARD WOOD EAST, MO      | KC CNTR      | 0630-2200 MON-SAT                                | AREA N OF A LINE BTWN 37-42-51N/92-06-47W. & 37-42-53N/92-09-17W TO 1500 MSL AREA SOUTH OF THIS LINE TO 2200 MSL. 2200 MSL TO 5000 MSL. |
| R-4501C          | FT LEONARD WOOD, MO           | KC CNTR      | 0900-2100 MON, 0900-1600 TUE-FRI                 | 5000 MSL TO 12000 MSL.  |
| R-4501D          | FT LEONARD WOOD, MO           | KC CNTR      | 0900-2100 MON, 0900-1600 TUE-FRI                 | 12000 MSL TO FL180  |
| R-4501E          | FT LEONARD WOOD, MO           | KC CNTR      | 0900-2100 MON, 0900-1600 TUE-FRI                 | TO 3200 MSL.  |
| R-4501F          | FT LEONARD WOOD, MO           | KC CNTR      | 0700-1800 DAILY, OTHER TIMES BY NOTAM            | TO 3200 MSL.  |
| R-4501H          | FT LEONARD WOOD, MO           | KC CNTR      | BY NOTAM   | TO 3200 MSL.  |
| R-4803           | FALLOM, NV                    | OAK CNTR     | 0715-2330 DAILY                                  | TO FL 180   |
| R-4804A          | TWIN PEAKS, NV                | OAK CNTR     | 0715-2330 DAILY                                  | TO FL 180   |
| R-4804B          | TWIN PEAKS, NV                | OAK CNTR     | INTERMITTENT BY NOTAM 0715-2330 LCL DAILY        | FL 180 TO FL 350  |
| R-4806E          | LAS VEGAS, NV                 | LA CNTR      | 0500-2000 DAILY MON-SAT                          | 100 AGL TO UNLIMITED  |
| R-4806W          | LAS VEGAS, NV                 | LA CNTR      | CONTINUOUS                                       | UNLIMITED   |
| R-4807A          | TONOPAH, NV                   | LA CNTR      | CONTINUOUS 0600 MONDAY - 1900 FRIDAY             | UNLIMITED   |
| R-4807B          | TONOPAH, NV                   | LA CNTR      | CONTINUOUS                                       | UNLIMITED   |
| R-4808N          | LAS VEGAS, NV                 | LA CNTR      | CONTINUOUS                                       | UNLIMITED   |
| R-4808S          | LAS VEGAS, NV                 | LA CNTR      | CONTINUOUS                                       | UNLIMITED   |
| R-4809           | TONOPAH, NV                   | LA CNTR      | CONTINUOUS                                       | UNLIMITED   |
| R-4810           | DESERT MTNS, NV               | OAK CNTR     | 0715-2330 DAILY                                  | TO 17,000 MSL   |
| R-4811           | HAWTHORNE, NV                 | OAK CNTR     | 0800-1500, MON-FRI                               | TO 15000 MSL  |
| R-4812           | SAND SPRINGS, NV              | OAK CNTR     | 0715-2330 LOCAL TIME, DAILY                      | TO FL 180   |
| R-4813A          | CARSON SINK, NV               | OAK CNTR     | 0715-2330 LOCAL TIME, DAILY                      | TO FL 180   |
| R-4813B          | CARSON SINK, NV               | OAK CNTR     | INTERMITTENT BY NOTAM 0715-2330 LCL DAILY        | FL 180 TO FL250   |
| R-4816N          | DIXIE VALLEY, NV              | OAK CNTR     | 0715-2330 LOCAL TIME, DAILY                      | 1500 AGL TO FL 180  |
| R4816S           | DIXIE VALLEY, NV              | OAK CNTR     | 0715-2330 LOCAL TIME, DAILY                      | 500 AGL TO FL 180   |
| R-5001A          | FT DIX, NJ                    | NY CNTR      | 0600-2330, DAILY                                 | TO 4000 MSL   |
| R-5001B          | FT DIX, NJ                    | NY CNTR      | CONTINUOUS, SR FRIDAY TO SS SUNDAY               | 4000 MSL TO 8000 MSL  |
| R-5002A          | WARREN GROVE, NJ              | NY CNTR      | SUNRISE TO SUNSET                                | TO 14000 MSL  |
| R-5002B          | WARREN GROVE, NJ              | NY CNTR      | SUNRISE-SUNSET                                   | 1800 MSL TO 14,000 MSL  |
| R-5002C          | WARREN GROVE, NJ              | NY CNTR      | SUNRISE-SUNSET                                   | TO 3000 MSL   |
| R-5002D          | WARREN GROVE, NJ              | NY CNTR      | SUNRISE-SUNSET                                   | TO 4000 MSL   |
| R-5002E          | WARREN GROVE, NJ              | NY CNTR      | SUNRISE-SUNSET                                   | 3500 MSL TO 14,000 MSL  |
| R-5101           | LOS ALAMOS, NM                | ABQ CNTR     | CONTINUOUS                                       | TO 12000 MSL  |
| R-5103A          | MCGREGOR, NM                  | ABQ CNTR     | 0700-2000 MON-FRI                                | TO FL 180   |
| R-5103B          | MCGREGOR, NM                  | ABQ CNTR     | 0700-2000 MON-FRI                                | TO 12500 MSL  |
| R-5103C          | MCGREGOR, NM                  | ABQ CNTR     | 0700-2000 MON-FRI                                | ABOVE 12500 MSL   |
| R-5104A          | MELROSE, NM                   | ABQ CNTR     | 0800-2400 MON-FRI                                | TO 18000 MSL  |
| R-5104B          | MELROSE, NM                   | ABQ CNTR     | 0800-2400 MON-FRI                                | 18000 MSL TO 23000 MSL  |
| R-5105           | MELROSE, NM                   | ABQ CNTR     | 0800-2400 MON-FRI                                | TO 10500 MSL  |
| R-5107A          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS                                       | TO UNLIMITED  |
| R-5107B          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS                                       | TO UNLIMITED  |
| R-5107C          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS MONDAY-FRIDAY                         | 9000 MSL TO UNLTD   |
| R-5107D          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS                                       | TO 22000 MSL  |
| R-5107E          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | BY NOTAM   | TO UNLTD  |
| R-5107F          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | 0001 MON THROUGH 2359 FRI                        | FL240 TO FL450  |
| R-5107G          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | 0001 MON THROUGH 2359 FRI                        | FL 240 TO FL 450  |
| R-5107H          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | BY NOTAM   | TO 9000 MSL   |
| R-5107I          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS MON-FRI                               | TO AND INCLD 9000 MSL   |
| R-5107K          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | CONTINUOUS                                       | TO UNLIMITED  |
| R-5109A          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | INTERMITTENT BY NOTAM                            | 24000 MSL TO UNLTD  |
| R-5109B          | WHITE SANDS MISSILE RANGE, NM | ABQ CNTR     | INTERMITTENT BY NOTAM                            | 24000 MSL TO UNLTD  |
| R-5111A          | ELEPHANT BUTTE, NM            | ABQ CNTR     | BY NOTAM   | 13000 MSL TO UNLTD  |
| R-5111B          | ELEPHANT BUTTE, NM            | ABQ CNTR     | BY NOTAM   | TO 13000 MSL  |
| R-5111C          | ELEPHANT BUTTE, NM            | ABQ CNTR     | BY NOTAM   | TO UNLTD  |
| R-5111D          | ELEPHANT BUTTE, NM            | ABQ CNTR     | BY NOTAM   | TO 13000 MSL  |
| R-5113           | SOCORRO, NM                   | ABQ CNTR     | 0900-1900 DAILY JUNE 1 THRU SEP 30               | TO 45000 MSL  |
| R-5115           | DEMING, NM                    | ABQ CNTR     | CONTINUOUS                                       | TO 15000 MSL  |
| R-5117           | FT WINGATE, NM                | ABQ CNTR     | BY NOTAM   | TO UNLIMITED  |
| R-5119           | SOCORRO, NM                   | ABQ CNTR     | BY NOTAM   | FL 350 TO UNLIMITED   |
| R-5121           | FT WINGATE, NM                | ABQ CNTR     | BY NOTAM   | FL 200 TO UNLIMITED   |
| R-5123           | MAGDALENA, NM                 | ABQ CNTR     | BY NOTAM   | TO UNLIMITED  |
| R-5201           | FT DRUM, NY                   | BOS CNTR     | CONTINUOUS APR 1-SEP 30 & 0600-1800 OCT 1-MAR 31 | TO 25,000 MSL   |
| R-5203           | OSWEGO, NY                    | CLE CNTR     | BY NOTAM   | TO FL 500   |
| R-5206           | WEST POINT, NY                | NEW YORK AC  | 0600 TO 2400, JUL 1 TO AUG 31                    | TO 5000 MSL   |
| R-5301           | ALBEMARLE SOUND, NC           | DCA CNTR     | CONTINUOUS                                       | TO 14000 MSL  |
| R-5302A          | HARVEY POINT, NC              | DCA CNTR     | BY NOTAM   | TO 14000 MSL  |

| RESTRICTED AREAS |                       |              |   |                       |
|------------------|-----------------------|--------------|---|-----------------------|
| LOCATION         | CONTROL               | TIMES OF USE | ALTITUDES   |                       |
| R-5302B          | HARVEY POINT, NC      | DCA CNTR     | BY NOTAM  | 100 AGL TO 14000 MSL  |
| R-5302C          | HARVEY POINT, NC      | DCA CNTR     | BY NOTAM  | 100 AGL TO 3000 MSL   |
| R-5303A          | CAMP LEJUNE, NC       | CERRY PT     | 0600-1800 MON-FRI   | SFC TO 7000 MSL       |
| R-5303B          | CAMP LEJUNE, NC       | CERRY PT     | BY NOTAM  | 7000 MSL TO 10000 MSL |
| R-5303C          | CAMP LEJUNE, NC       | WASH CNTR    | BY NOTAM  | 10000 MSL TO FL180    |
| R-5304A          | CAMP LEJUNE, NC       | CERRY PT     | 0600-1800 MON-FRI   | SFC TO 7000 MSL       |
| R-5304B          | CAMP LEJUNE, NC       | CERRY PT     | BY NOTAM  | 7000 MSL TO 10000 MSL |
| R-5304C          | CAMP LEJUNE, NC       | WASH CNTR    | BY NOTAM  | 10000 MSL TO FL180    |
| R-5306A          | CERRY POINT, NC       | CERRY PT     | CONTINUOUS  | TO FL180              |
| R-5306C          | CERRY POINT, NC       | CERRY PT     | CONTINUOUS  | TO, FL 180            |
| R-5306D          | CERRY POINT, NC       | CERRY PT     | CONTINUOUS  | TO, FL 180            |
| R-5306E          | CERRY PT, NC          | CERRY PT     | CONTINUOUS  | TO, FL 180            |
| R-5311A          | FT BRAGG, NC          | DCA CNTR     | CONTINUOUS  | TO, 7000 MSL          |
| R-5311B          | FT BRAGG, NC          | DCA CNTR     | CONTINUOUS  | 7000MSL TO 12000 MSL  |
| R-5311C          | FT BRAGG, NC          | DCA CNTR     | CONTINUOUS  | 12000 MSL FL 290      |
| R-5313A          | LONG SHOAL POINT, NC  | DCA CNTR     | 0800-2300 LCL MON-FRI   | TO 18000 MSL          |
| R-5313B          | LONG SHOAL POINT, NC  | DCA CNTR     | BY NOTAM  | 100 AGL TO 13000 MSL  |
| R-5313C          | LONG SHOAL POINT, NC  | DCA CNTR     | BY NOTAM  | 100 AGL TO 13000 MSL  |
| R-5313D          | LONG SHOAL POINT, NC  | DCA CNTR     | BY NOTAM  | 500 AGL TO 13000 MSL  |
| R-5314A          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | TO FL205              |
| R-5314B          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 500 AGL TO FL205      |
| R-5314C          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 200 AGL TO 15000 MSL  |
| R-5314D          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | TO FL205              |
| R-5314E          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 500 AGL TO FL205      |
| R-5314F          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 200 AGL TO 15000 MSL  |
| R-5314G          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 200 AGL TO 15000 MSL  |
| R-5314H          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 500 AGL TO 10000 MSL  |
| R-5314J          | DARE COUNTY, NC       | DCA CNTR     | 06-2400 LCL MON-FRI, 07-1800 LCL SAT-SUN  | 1000 AGL TO 6000 MSL  |
| R-5401           | DEVILS LAKE, ND       | MSP CNTR     | BY NOTAM  | TO 5,000 MSL          |
| R-5502A          | LACARNE, OH           | CLE CNTR     | 0800 TO 1700, APR 1 TO NOV 30, 0800 TO 1700 TUE, WED & THUR, DEC 1 TO MAR 31  | TO 5000 MSL           |
| R-5502B          | LACARNE, OH           | CLE CNTR     | TUE, WED AND THU, 0800-1700   | TO 23000 MSL          |
| R-5601A          | FT SILL, OK           | FTW CNTR     | CONTINUOUS  | TO 40,000 MSL         |
| R-5601B          | FT SILL, OK           | FTW CNTR     | CONTINUOUS  | TO 40,000 MSL         |
| R-5601C          | FT SILL, OK           | FTW CNTR     | CONTINUOUS  | TO 40,000 MSL         |
| R-5601D          | FT SILL, OK           | FTW CNTR     | SR TO 2200, MON-FRI   | 500 AGL TO FL 400     |
| R-5601E          | FT SILL, OK           | FTW CNTR     | SR TO 2200, MON-FRI   | 500 AGL TO 6000 MSL   |
| R-5701           | BOARDMAN, OR          | SEA CNTR     | 0730-2359 MON-FRI   | SEE CHART             |
| R-5706           | BOARDMAN, OR          | SEA CNTR     | 0730-2359 MON-FRI   | 3500 MSL TO 10000 MSL |
| R-5801           | CHAMBERSBURG, PA      | NY CNTR      | 0800 TO 1600 EST, MON-FRI   | TO 4000 MSL           |
| R-5802A          | FT INDIANTOWN GAP, PA | NY CNTR      | FEB 15-MAY 10 AND SEPT 1-DEC 15, 0800-2300 SAT AND 0800-1200 SUN, MAY 11-AUG 31, 0800-2400 ON SAT AND 0800-2000 ON ALL OTHER DAYS       | 200 AGL TO 5000 MSL   |
| R-5802B          | FT INDIANTOWN GAP, PA | NY CNTR      | FEB 15-MAY 10 AND SEPT 1-DEC 15, 0800-2300 SAT AND 0800-1200 SUN, MAY 11-AUG 31, 0800-2400 ON SAT AND 0800-2000 ON ALL OTHER DAYS       | TO 13,000 MSL         |
| R-5802C          | FT INDIANTOWN GAP, PA | NY CNTR      | FEB 15-MAY 10 AND SEPT 1-DEC 15, 0800-2400 ON SAT AND 0800-1200 ON SUN, MAY 11-AUG 31, 0800-2400 ON SAT AND 0800-2000 ON ALL OTHER DAYS | 500 AGL TO 17000 MSL  |
| R-5802D          | FT INDIANTOWN GAP, PA | NY CNTR      | FEB 15-MAY 10 AND SEPT 1-DEC 15, 0800-2400 ON SAT AND 0800-1200 ON SUN, MAY 11-AUG 31, 0800-2400 ON SAT AND 0800-2000 ON ALL OTHER DAYS | 17000 MSL TO FL220    |
| R-5802E          | FT INDIANTOWN GAP, PA | NY CNTR      | FEB 15-MAY 10 AND SEPT 1-DEC 15, 0800-2400 ON SAT AND 0800-1200 ON SUN, MAY 11-AUG 31, 0800-2400 ON SAT AND 0800-2000 ON ALL OTHER DAYS | FL220 TO FL250        |
| R-5803           | CHAMBERSBURG, PA      | JAX CNTR     | 0800 TO 1600 EST, MON-FRI   | TO 4000 MSL           |
| R-6001A          | FT JACKSON, SC        | JAX CNTR     | INTERMITTENT 0630 TO 2400   | TO 3200 MSL           |
| R-6001B          | FT JACKSON, SC        | JAX CNTR     | INTERMITTENT 0630 TO 2400   | 3200 MSL TO FL230     |
| R-6002A          | POINSETT-SUMTER, SC   | JAX CNTR     | 0600-2400 MON-FRI, 0800-1600 SAT  | TO 13000 MSL          |
| R-6002B          | POINSETT-SUMTER, SC   | JAX CNTR     | 0600-2400 MON-FRI, 0800-1600 SAT  | 13000 MSL TO FL180    |
| R-6002C          | POINSETT-SUMTER, SC   | JAX CNTR     | 0600-2400 MON-FRI, 0800-1600 SAT  | FL180 TO FL 230       |
| R-6302A          | FT HOOD, TX           | HOU CNTR     | CONTINUOUS  | TO 30000 MSL          |
| R-6302B          | FT HOOD, TX           | HOU CNTR     | 1800-0600, MON-SAT  | TO 30000 MSL          |
| R-6302C          | FT HOOD, TX           | HOU CNTR     | 0700-1900, MON-FRI  | TO 30000 MSL          |
| R-6302D          | FT HOOD, TX           | HOU CNTR     | 0700-1900, MON-FRI  | TO 30000 MSL          |
| R-6302E          | FT HOOD, TX           | HOU CNTR     | 0700-1900, MON-FRI  | TO 30000 MSL          |
| R-6312           | COTULLA, TX           | HOU CNTR     | SR-SS   | TO FL 230             |
| R-6316           | EAGLE PASS, TX        | HOU CNTR     | CONTINUOUS  | TO 15000 MSL          |
| R-6317           | EL SAUZ, TX           | HOU CNTR     | CONTINUOUS  | TO 15000 MSL          |
| R-6318           | MARFA, TX             | ABQ CNTR     | CONTINUOUS  | TO 14000 MSL          |



| RESTRICTED AREAS |                        |                |   |                             |
|------------------|------------------------|----------------|---|-----------------------------|
| LOCATION         | CONTROL                | TIMES OF USE   | ALTITUDES   |                             |
| R-6320           | MATAGORDA, TX          | HOU CNTR       | CONTINUOUS  | TO 15,000 MSL               |
| R-6402A          | DUGWAY, UT             | SLC CNTR       | CONTINUOUS  | TO FL 580                   |
| R-6402B          | DUGWAY, UT             | SLC CNTR       | CONTINUOUS  | 100 AGL TO FL 580           |
| R-6403           | TOOELE, UT             | SLC CNTR       | CONTINUOUS  | TO 9000 MSL                 |
| R-6404A          | HILL AFB, UT           | SLC CNTR       | CONTINUOUS  | TO FL 580                   |
| R-6404B          | HILL AFB, UT           | SLC CNTR       | CONTINUOUS  | TO 13,000 MSL               |
| R-6404C          | HILL AFB, UT           | SLC CNTR       | CONTINUOUS  | 100 AGL TO FL 280           |
| R-6404D          | HILL AFB, UT           | SLC CNTR       | CONTINUOUS  | 13000 MSL TO FL 250         |
| R-6405           | WENDOVER, UT           | SLC CNTR       | CONTINUOUS  | 100 AGL TO FL 580           |
| R-6406A          | WENDOVER, UT           | SLC CNTR       | CONTINUOUS  | TO FL 580                   |
| R-6406B          | WENDOVER, UT           | SLC CNTR       | CONTINUOUS  | 100 AGL TO FL 580           |
| R-6407           | HILL AFB, UT, UT       | SLC CNTR       | CONTINUOUS  | TO FL 580                   |
| R-6412A          | CAMP WILLIAMS, UT      | SLC AC         | BY NOTAM  | TO 9,000 MSL                |
| R-6412B          | CAMP WILLIAMS, UT      | SLC AC         | BY NOTAM  | 9,000 TO 10,000 MSL         |
| R-6412C          | CAMP WILLIAMS, UT      | SLC AC         | BY NOTAM  | TO 9,000 MSL                |
| R-6412D          | CAMP WILLIAMS, UT      | SLC AC         | BY NOTAM  | 9,000 TO 10,000 MSL         |
| R-6413           | GREEN RIVER, UT        | DEV CNTR       | BY NOTAM  | TO UNLT                     |
| R-6501A          | UNDERHILL, VT          | BURLINGTO N AC | 0700-2300 MON-FRI AND 0000 SAT TO 2359 SUN  | TO 4000 MSL                 |
| R-6501B          | UNDERHILL, VT          | BURLINGTO N AC | INTERMITTENT  | 4000 MSL TO 15,000 MSL      |
| R-6601           | FT AP HILL, VA         | RICHMOND ATCT  | 0700-2300 LOCAL TIME DAILY  | TO 5000 MSL                 |
| R-6602A          | FT PICKETT, VA         | DCA CNTR       | CONTINUOUS MAY 1 - SEPT 15  | TO 4000 MSL                 |
| R-6602B          | FT PICKETT, VA         | DCA CNTR       | BY NOTAM  | 4000 MSL TO 11,000 MSL      |
| R-6602C          | FT PICKETT, VA         | DCA CNTR       | BY NOTAM  | 11,000 MSL TO 18,000 MSL    |
| R-6604A          | CHINCOTEAGUE INLET, VA | DCA CNTR       | CONTINUOUS  | UNLIMITED                   |
| R-6604B          | CHINCOTEAGUE INLET, VA | DCA CNTR       | CONTINUOUS  | UNLIMITED                   |
| R-6606           | PENDELTON, VA          | DCA CNTR       | 0800-1700 HOURS LOCAL TIME, MONDAY - FRIDAY   | TO AND INCLUDING 51,000 MSL |
| R-6608A          | QUANTICO, VA           | DULLES ATCT    | 0500-2400 LOCAL TIME DAILY  | TO 10,000 MSL               |
| R-6608B          | QUANTICO, VA           | DULLES ATCT    | 0500-2400 LOCAL TIME DAILY  | TO 10,000 MSL               |
| R-6608C          | QUANTICO, VA           | DULLES ATCT    | 0500-2400 LOCAL TIME DAILY  | TO 10,000 MSL               |
| R-6609           | TANCIER ISLAND, VA     | DCA CNTR       | 0800-2300 LOCAL TIME  | TO FL 200                   |
| R-6611A          | DAHLGREN COMPLEX, VA   | DCA CNTR       | 0800-1700 LOCAL TIME, MONDAY-FRIDAY   | TO 40,000 MSL               |
| R-6611B          | DAHLGREN COMPLEX, VA   | DCA CNTR       | BY NOTAM  | 40,000 MSL TO 60,000 MSL    |
| R-6612           | DAHLGREN COMPLEX, VA   | DCA CNTR       | 0800-1700, MON-FRI  | TO 7000 MSL                 |
| R-6613A          | DAHLGREN COMPLEX, VA   | DCA CNTR       | 0800-1700, MON-FRI  | TO 40,000 MSL               |
| R-6613B          | DAHLGREN COMPLEX, VA   | DCA CNTR       | BY NOTAM  | 40,000 MSL TO 60,000 MSL    |
| R-6701           | ADMIRALTY INLET, WA    | WIDBEY NAS     | BY NOTAM  | TO 5000 MSL                 |
| R-6703A          | FT LEWIS, WA           | SEA AC         | 0700-2300 MON-FRI   | TO 14000 MSL                |
| R-6703B          | FT LEWIS, WA           | SEA AC         | 0700-2300 MON-FRI   | TO 5000 MSL                 |
| R-6703C          | FT LEWIS, WA           | SEA AC         | BY NOTAM  | TO 14000 MSL                |
| R-6710D          | FT LEWIS, WA           | SEA AC         | 0700-2300 MON-FRI   | TO 5000 MSL                 |
| R-6714A          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714B          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714C          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714D          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714E          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | 29,000 MSL TO 55,000 MSL    |
| R-6714F          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714G          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 2900 MSL                 |
| R-6714H          | YAKIMA, WA             | SEA CNTR       | INTERMITTENT BY NOTAM   | TO 5500 MSL                 |
| R-6901A          | FT MCCOY, WI           | CHI CNTR       | MAY 1 - SEPTEMBER 30 CONTINUOUS, OCTOBER 1 - APRIL 30 - 0800-2200 MON-THU AND 0800 FRI - 2200 SUN | TO 20,000 MSL               |
| R-6901B          | FT MCCOY, WI           | CHI CNTR       | BY NOTAM  | TO 20,000 MSL               |
| R-6903           | SHEBOYGAN, WI          | CHI CNTR       | INTERMITTENT BY NOTAM   | TO FL 500                   |
| R-6904A          | VOLK FIELD, WI         | MSP CNTR       | 0800-1600 LCL, TUE THRU SAT   | 150 AGL TO 23000 MSL        |
| R-6904B          | VOLK FIELD, WI         | MSP CNTR       | 0800-1600 LCL, TUE THRU SAT   | TO 23000 MSL                |
| R-7001A          | GUERNSEY, WY           | DEN CNTR       | INTERMITTENT BY NOTAM   | TO 8000 MSL                 |
| R-7001B          | GUERNSEY, WY           | DEN CNTR       | INTERMITTENT BY NOTAM   | 8000 MSL TO 23500 MSL       |
| R-7001C          | GUERNSEY, WY           | DEN CNTR       | INTERMITTENT BY NOTAM   | 23,500 MSL TO 30,000 MSL    |

| ALERT AREAS |                            |   |  |
|-------------|----------------------------|---|--|
| LOCATION    | TIMES OF USE               | ALTITUDES                                     |  |
| A-211       | DOTHAN, AL                 | 0600-2200 LCL MON-FRI                         | TO 5000  |
| A-220       | MCGUIRE AFB, NJ            | 0800-2200                                     | TO 4500 MSL  |
| A-231       | LUKE AFB, AZ               | CONTINUOUS                                    | 500 AGL TO 6500 MSL                                      |
| A-260       | COLORADO SPRINGS, CO       | DAILY, SUNRISE-SUNSET                         | TO 17500 MSL   |
| A-291A      | MIAMI, FL                  | 0600-2400 DAILY                               | TO 2500 MSL  |
| A-291B      | MIAMI, FL                  | 0600-2400 DAILY                               | TO 3900 MSL  |
| A-291C      | MIAMI, FL                  | 0600-2400 DAILY                               | TO 2500 MSL  |
| A-291D      | MIAMI, FL                  | 0600-2400 DAILY                               | TO 3900 MSL  |
| A-292       | PENSACOLA, FL              | SUNRISE-0100 MON-FRI, SUNRISE-SUNSET SATURDAY | TO 3000 MSL WITHIN FEDERAL AIRWAYS, OTHERWISE, TO FL 175 |
| A-371       | FT CAMPBELL, KY            | CONTINUOUS                                    | TO 2000 MSL  |
| A-381       | GULF COAST, GULF OF MEXICO | DAILY, DURING DAYLIGHT HOURS                  | TO 2000 MSL  |

| ALERT AREAS |                        |   |   |
|-------------|------------------------|---|---|
| LOCATION    | TIMES OF USE           | ALTITUDES   |   |
| A-440       | COLUMBUS AFB, MS       | SUNRISE TO THREE HOURS AFTER SUNSET MON-FRI               | TO 6500 MSL   |
| A-481       | NELLIS AFB, NV         | SUNRISE-2200 DAILY  | 7000 MSL TO 17000 MSL                                     |
| A-530       | CHERRY POINT, NC       | 0700-2300   | TO FL 180   |
| A-531       | ALBEMARLE, NC          | 0600-2400 M-F   | 200 AGL TO 1500 AGL                                       |
| A-561       | FREDRICK, OK           | MONDAY-FRIDAY, SR-SS                                      | TO 4000 MSL   |
| A-562A      | ENID, OK               | SUNRISE TO 3 HOURS AFTER SUNSET MON-FRI                   | TO 10000 MSL  |
| A-562B      | ENID, OK               | SUNRISE-SUNSET MON-FRI                                    | TO 10000 MSL  |
| A-632A      | CORPUS CHRISTI, TX     | SUNRISE-2300 MON-FRI, SUNRISE-SUNSET SAT, 1200-SUNSET SUN | 6000 MSL TO FL 180  |
| A-632B      | CORPUS CHRISTI, TX     | 0700-2400 MONDAY-SUNDAY                                   | TO FL 180   |
| A-632C      | CORPUS CHRISTI, TX     | SUNRISE-2400 MON-FRI                                      | TO FL 180   |
| A-632D      | CORPUS CHRISTI, TX     | SUNRISE-2400 MONDAY-FRIDAY, 1400-2400 SUNDAY              | 6000 MSL TO 11,000 MSL                                    |
| A-632E      | CORPUS CHRISTI, TX     | SUNRISE-2400 MONDAY-FRIDAY, 1400-2400 SUNDAY              | 6000 MSL TO 9000 MSL                                      |
| A-632F      | CORPUS CHRISTI, TX     | 0700-MIDNIGHT LCL MON-SAT                                 | 3000 AGL TO FL 180  |
| A-633A      | LAUGHLIN AFB, TX       | SUNRISE TO SUNSET MON-FRI                                 | TO 7000 MSL   |
| A-633B      | LAUGHLIN AFB, TX       | SUNRISE TO SUNSET MON-FRI                                 | TO 4000 MSL   |
| A-635       | RANDOLPH AFB, TX       | SUNRISE TO 3 HOURS AFTER SUNSET MON-FRI                   | 1500 MSL TO 4000 MSL                                      |
| A-636       | WICHITA FALLS, TX      | MONDAY-FRIDAY 1 HR BEFORE SR TO 1 HR AFTER SS             | SFC TO 4000 MSL   |
| A-638       | SEGUIN, TX             | SUNRISE-SUNSET MON-FRI                                    | TO 3000 MSL   |
| A-639A      | ACADEMY ALERT AREA, CO | SR-SS M-F EXCEPT HOLIDAYS                                 | 3000 AGL TO 12000 MSL                                     |
| A-639B      | ACADEMY ALERT AREA, CO | SR-SS M-F, EXCEPT HOLIDAYS                                | 3000 AGL TO 12000 MSL                                     |
| A-640       | HONDO, TX              | SR-SS, MON-FRI, EXCP HOLIDAYS                             | 200 AGL TO 7500 MSL                                       |
| A-680       | OLF COUPEVILLE, WA     | 1200-0130 MONDAY-FRIDAY                                   | TO 3000 MSL   |
| A-682       | TRAVIS AFB, CA         | 0800-2100 MONDAY - FRIDAY                                 | NORTH OF TRAVIS AFB RWYS 21L/03R CENTERLINES TO 3,000 MSL |
| A-683       | MCCONNELL AFB, KS      | 0800-1900 LCL MON-FRI                                     | TO 4500 MSL   |
| A-684       | MOODY AFB, GA          | 0500-0200 MONDAY-FRIDAY                                   | TO 4000 AGL   |
| A-685       | CAMP MERRILL, GA       | INTERMITTANT SR TO SS DAILY                               | TO 700 AGL  |

| WARNING AREAS |                      |              |                 |
|---------------|----------------------|--------------|-----------------|
| LOCATION      | CONTROL              | TIMES OF USE | ALTITUDES       |
| W-30A         | DAM NECK, VA         | DCA CNTR     | INTERMITTENT    |
| W-30B         | DAM NECK, VA         | DCA CNTR     | INTERMITTENT    |
| W-30C         | DAM NECK, VA         | DCA CNTR     | INTERMITTENT    |
| W-54A         | NEW ORLEANS, LA      | HOU CNTR     | 0700-2400 DAILY |
| W-54B         | NEW ORLEANS, LA      | HOU CNTR     | 0700-2400 DAILY |
| W-54C         | NEW ORLEANS, LA      | HOU CNTR     | 0700-2400 DAILY |
| W-59A         | GULF OF MEXICO, LA   | HOU CNTR     | 0900-2100 M-F   |
| W-59B         | GULF OF MEXICO, LA   | HOU CNTR     | INTERMITTENT    |
| W-59C         | GULF OF MEXICO, LA   | HOU CNTR     | BY NOTAM        |
| W-60          | OCEANSIDE, CA        | LA CNTR      | INTERMITTENT    |
| W-61          | MISSION BAY, CA      | LA CNTR      | INTERMITTENT    |
| W-72A         | NORTH CAROLINA       | DCA CNTR     | INTERMITTENT    |
| W-72B         | NORTH CAROLINA       | DCA CNTR     | INTERMITTENT    |
| W-72C         | BEAUFORT, SC         | JAX CNTR     | INTERMITTENT    |
| W-92          | NEW ORLEANS, LA      | HOU CNTR     | 0700-2400       |
| W-93          | NORTH BEND NORTH, OR | SEA CNTR     | 0800-1600 DAILY |
| W-102         | MACHIAS, ME          | BOS CNTR     | INTERMITTENT    |
| W-102         | MACHIAS, ME          | BOS CNTR     | INTERMITTENT    |
| W-103         | CASCO BAY, ME        | BOS CNTR     | INTERMITTENT    |
| W-104A        | BOSTON, MA           | BOS CNTR     | INTERMITTENT    |
| W-104B        | BOSTON, MA           | BOS CNTR     | INTERMITTENT    |
| W-104C        | BOSTON, MA           | BOS CNTR     | INTERMITTENT    |
| W-105A        | NARRAGANSETT, RI     | BOS CNTR     | INTERMITTENT    |
| W-105B        | NARRAGANSETT, RI     | BOS CNTR     | INTERMITTENT    |
| W-106A        | PATCHOGUE, NY        | BOS CNTR     | INTERMITTENT    |
| W-106B        | PATCHOGUE, NY        | BOS CNTR     | INTERMITTENT    |
| W-106C        | PATCHOGUE, NY        | BOS CNTR     | INTERMITTENT    |
| W-106D        | PATCHOGUE, NY        | NAS OCEANA   | INTERMITTENT    |
| W-107A        | ATLANTIC CITY, NJ    | DCA CNTR     | INTERMITTENT    |
| W-107B        | ATLANTIC CITY, NJ    | DCA CNTR     | INTERMITTENT    |
| W-107C        | ATLANTIC CITY, NJ    | DCA CNTR     | INTERMITTENT    |
| W-110         | ELIZABETH CITY, NC   | US NAVY      | INTERMITTENT    |
| W-122         | CHERRY POINT, NC     | DCA CNTR     | INTERMITTENT    |
| W-132A        | CHARLESTON, SC       | JAX CNTR     | INTERMITTENT    |
| W-132B        | CHARLESTON, SC       | JAX CNTR     | INTERMITTENT    |
| W-133         | CHARLESTON, SC       | JAX CNTR     | INTERMITTENT    |
| W-134         | BEAUFORT, SC         | JAX CNTR     | INTERMITTENT    |
| W-147A        | GULF OF MEXICO, TX   | HOU CNTR     | 0800-2200       |
| W-147B        | GULF OF MEXICO, TX   | HOU CNTR     | BY NOTAM        |
| W-147C        | GULF OF MEXICO, TX   | HOU CNTR     | 0800-2200       |
| W-147D        | GULF OF MEXICO, TX   | HOU CNTR     | 0800-2200       |
| W-147E        | GULF OF MEXICO, TX   | HOU CNTR     | 0800-2200       |
| W-151A        | VALPARAISO, FL       | JAX CNTR     | 0600-0130 DAILY |
| W-151B        | VALPARAISO, FL       | JAX CNTR     | 0600-0130 DAILY |

## IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL

# LEGEND

### AIRPORTS

Facilities in BLUE or GREEN have an approved Instrument Approach Procedure and/or RADAR MINIMA published in either the FAA Terminal Procedures Publications or the DoD FLPs. Those in BLUE have an Instrument Approach Procedure and/or RADAR MINIMA published at least in the High Altitude DoD FLPs. Facilities in BROWN do not have a published Instrument Approach Procedure or RADAR MINIMA.

- A solid line box enclosing the airport name indicates FAR 93 Special Requirements-area Directory/Supplement names. If airport name and city name are the same, only the airport name is shown. City names for military and private airports are not shown. The airport identifier in parentheses follows the airport name.
- "NO SVFR" above the airport name indicates FAR 91 fixed-wing special VFR flight is prohibited.
- (C) or (A) following the airport name indicates Class C or Class D Airspace.
- Pvt - Private use.
- Associated city names for public airports are shown above or preceding the airport names. If airport name and city name are the same, only the airport name is shown. City names for military and private airports are not shown. The airport identifier in parentheses follows the airport name.

**LAND**

- Civil
- Civil - Military
- Military
- Heliport

**SEA**

- Civil

**Airport Ident**  
ICAO location indicator shown outside contiguous U.S.

**CITY**  
Airport Name (APT) (ICAO) ID\*  
280 D\* 435  
[A] #107.8

**Part-time or established by NOTAM.** See Airport/Facility Directory for times of operation. In Alaska see Supplement Alaska

**Longest runway length to nearest 100 feet with 70 feet as the dividing point (add 00) indicates soft surface.**

**Lighting Capability:**

- Lighting available
- Pilot Controlled Lighting
- Part-time or on request
- No lighting available
- At private facilities - indicates no lighting information is available.

### NAVAIDS AND COMMUNICATION BOXES

#### NAVAIDS

VHF/UHF Data is depicted in BLACK  
LF/MF Data is depicted in BROWN

COMPASS ROSES Oriented to Magnetic North of NAVAID which may not be adjusted to the charted isogonic values. Smaller sizes are used in congested areas.

VOR VOR/DME TACAN VORTAC

LF/MF Non-directional Radiobeacon or Marine Radiobeacon with magnetic north indicator

UHF Non-directional Radiobeacon

LF/MF Non-directional Radiobeacon/DME

Compass Locator Beacon

Flight Service Station (FSS), Remote Communications Outlet (RCO) or Automated Weather Observing Station (ASOS/AWOS) not associated with a charted NAVAID or airport

ILS Localizer Course with additional navigation function

#### COMMUNICATION BOXES

NAME (T)  
000.0 IDT 000(Y) ±--

VOR with TACAN compatible DME

Underline indicates No Voice transmitted on this frequency. TACAN Channels are without voice but not underlined.

Crosshatch indicates Shutdown status

(T) Frequency protection usable range at 12,000' AGL - 25NM

(Y) TACAN must be placed in "Y" mode to receive distance information

NAME  
000 IDT ±-- (000.0)  
M00000.00° W000°00.00°

TACAN Channel paired with VHF Frequency in parenthesis.

Automated Weather Broadcast Systems:

- ASOS/AWOS
- HWAS
- TWEB

Automated weather, when available, is broadcast on the associated NAVAID frequency.

Stand Alone ASOS/AWOS

NAME ASOS 000.0

Part-Time or On-Request  
NAME  
\* 000 IDT 00(000.0) ±--

LF/MF Non-directional Radiobeacon/DME VHF Frequency with TACAN Channel

TACAN FIX DATA

Ident NAME 00  
0000°/0000°

Bearing from TACAN Distance from TACAN

### NAVAIDS AND COMMUNICATION BOXES

000.0  
NAME  
000.0 IDT 000 ±--  
M00000.00° W000°00.00°

[NAME] - FSS name

Freq(s) positioned above thin line NAVAID box is related to the NAVAID site. Other freq(s) at the named FSS radio are available, however, altitude and terrain may determine their reception.

Thin line NAVAID boxes without freq(s) and FSS radio name indicates no freq(s) available.

000.0 000.0  
NAME  
000.0 IDT 000 ±--  
M00000.00° W000°00.00°

Shadow NAVAID box indicates NAVAID and Flight Service Station (FSS) have same name

000.0 000.0 FSS name and identifier not associated with NAVAID

NAME IDT

Remote Communications Outlet (RCO). FSS radio name and renamed freq(s) are shown.

NAME 000.0

SHADOW BOXES indicate Flight Service Stations (FSS). Frequencies 122.2, 225.4 and emergency 121.5 and 243.0 (Canada) (121.5, 126.7 and 243.0) are available at many FSSs and are not shown. All other frequencies are shown. Certain FSSs provide Airport Advisory Service, see A/FD. Frequencies transmit and receive except those followed by R or T:  
R - Receive only  
T - Transmit only

## AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

### ROUTE DATA

VHF/UHF Data is depicted in BLACK  
LF/MF Data is depicted in BROWN

VO VOR Airway

AO LF/MF Airway

AO Uncontrolled LF/MF Airway

AO Oceanic Route

AO ATS Route

TOOO Low Altitude RNAV Route GNSS required

Substitute Route

Via/bypassing temporarily shutdown NAVAIDS. See NOTAMS or appropriate publications for specific information.

Unusable Route Segment

Preferred Single Direction Route

Direction of Flight Indicator (Canada only)

000.0 IDT 000 Facility Locators used in formation of Reporting Points

000 ID Radial outbound from a VHF/UHF NAVAID

000 Bearing inbound to an LF/MF NAVAID

000 Magnetic Reference Bearing, outbound from a NAVAID or Fix

000 000 Total Mileage between Compulsory Fixes and/or NAVAIDS

000 000 Mileage between other Fixes, NAVAIDS and/or Mileage Breakdown

Changeover Point (giving mileage to NAVAID) (Not shown at midpoint location)

000000 Minimum Obstruction Clearance Altitude (MOCA)

0000000000 Minimum Enroute Altitude (MEA)

000000 GNSS RNAV MEA

MAA-00000 Maximum Authorized Altitude (MAA)

MEA, MOCA and/or MAA Change at other than NAVAIDS

Minimum Reception Altitude (MRA)

Minimum Crossing Altitude (MCA)

Holding Pattern with max restricted airspace

210K applies to altitudes above 6000' to and including 14000'

175K applies to all altitudes

### FIXES/ATC REPORTING REQUIREMENTS

- Fix Compulsory and Non-Compulsory Position Report
- RNAV Waypoint Compulsory and Non-Compulsory Position Report
- Denotes DME Fix (Distance same as route mileage)
- Denotes DME Fix and Mileage
- Offset arrows indicate facility forming a fix (away from VHF/UHF, toward LF/MF NAVAID)
- Mileage Breakdown or Computer Navigational Fix (CNF) (no ATC function)

### BOUNDARIES

Air Route Traffic Control Center (ARTCC)

ARTCC Remote Sites with discrete VHF and UHF frequencies

Flight Information Region (FIR)

CTA/FIR OAKLAND OCEANIC KZAK UNLTD FL 55 ACC

Type of Area Traffic Service

Ceiling Floor

Air Defense Identification Zone (ADIZ)

Off Route Obstruction Clearance Altitudes (OROCA)

Example: 12,500 feet

International Boundary (Not shown when coincident with ARTCC or FIR)

US/Russia Maritime Boundary

Area of Enlargement (contains only data for through flights)

Official Time Zone

International Date Line

### AIRSPACE INFORMATION

Open area (white) indicates controlled airspace (Class E) unless otherwise indicated

All airspace 14,500' and above is controlled

Shaded area (brown) indicates uncontrolled airspace below 14,500' (Class G)

In Canada - Indicates Class B Airspace above 12,500'

Oceanic Control Area (CTA)

Additional Control Area limit

Class B Airspace

Class C Airspace

Mode C Area (see FAR 91.215)

### SPECIAL USE AIRSPACE

P - Prohibited Area

R - Restricted Area

W - Warning Area

A - Alert Area

MOA - Military Operations Area

In Canada:  
CYA - Advisory Area  
CYD - Danger Area  
CYR - Restricted Area

Line delimits internal separation of some Special Use Area

See Airspace Tabulation for complete information

### MISCELLANEOUS

ALTIMETER Altimeter setting change

21E - 2005 Isogonic Line and Value

All Mileages are Nautical except as noted.

All Radials and Bearings are magnetic except as noted.

All Altitudes are MSL except as noted.

All Time is Coordinated Universal Time (UTC). Days are local.

† During periods of Daylight Saving Time (DT), effective hours will be one hour earlier than shown. All states observe DT except Arizona and Hawaii.

North American Datum of 1983 (NAD 83), for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).

FOR ADDITIONAL SYMBOL INFORMATION REFER TO THE CHART USER'S GUIDE

### EXAMPLE OF GROUPING

Magnetic Reference Bearings will not be shown on joint Victor/RNAV routes.

Reporting Points (coordinates are shown for offshore and holding fixes)

Airway Restriction (airway parameters Prohibited & Restricted Airspace)

MEAs are established with a gap in navigation signal coverage

Water Vignette

### MILITARY TRAINING ROUTES (MTRs)

MTRs 5 NM or less both sides of centerline

IR-000

VR-000

MTRs greater than 5 NM either or both sides of centerline

IR-000

VR-000

Arrow indicates direction of route

See MTR tabs for altitude range information

All IR and VR MTRs are shown except those VRs at or below 1500' AGL

CAUTION: Inset charts do not depict MTRs

### CRUISING ALTITUDES - U.S.

IFR within controlled airspace as assigned by ATC

IFR EVEN Thousands

IFR ODD Thousands

IFR ON TOP

IFR EVEN Thousands Plus 500'

IFR ODD Thousands Plus 500'

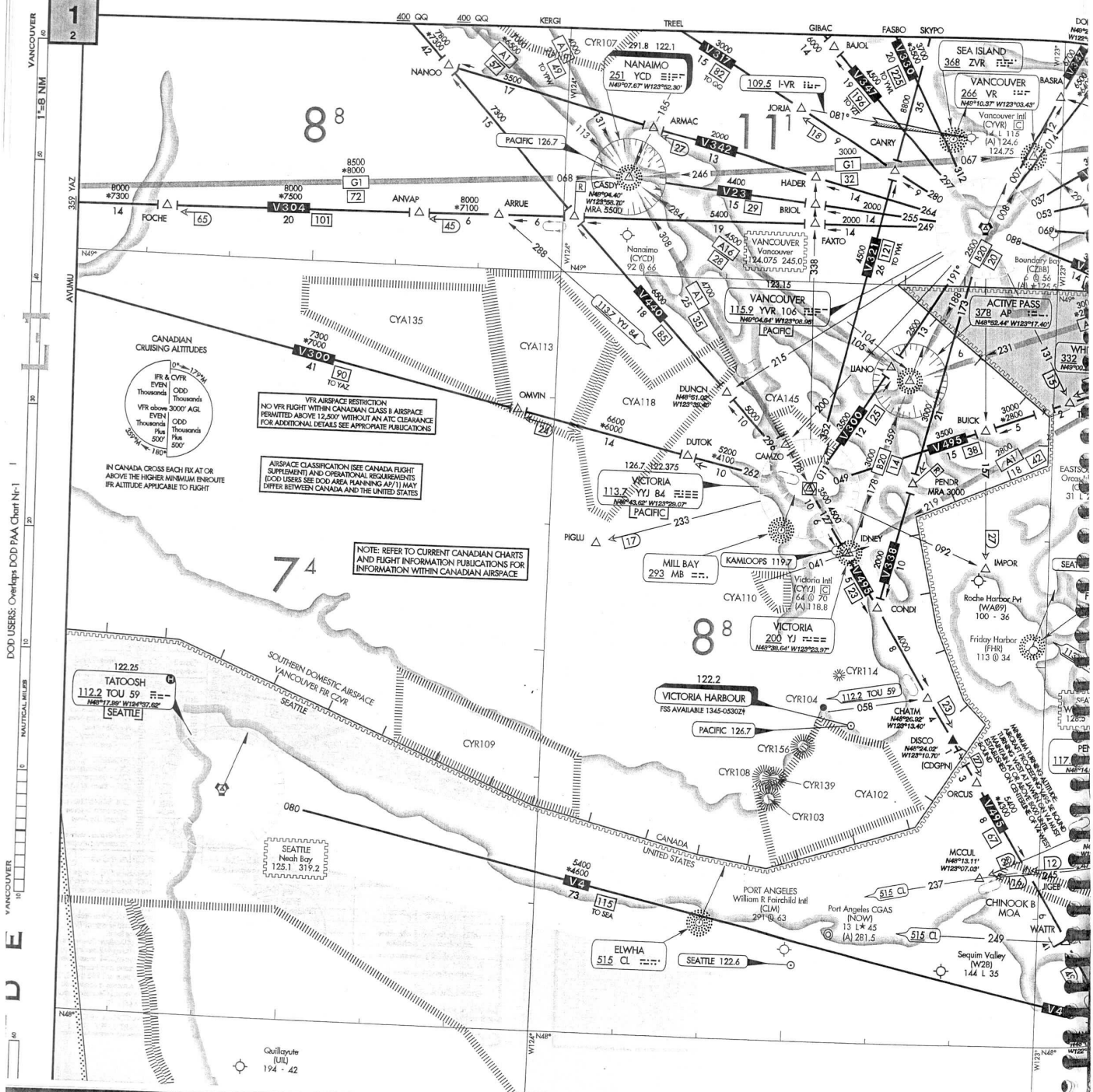
VFR above 3000' AGL unless otherwise authorized by ATC

IFR outside controlled airspace

All courses are magnetic



Overlaps CANADA & NORTH ATLANTIC Chart LO-2 & Chart AK L-1



CANADIAN CRUISING ALTITUDES

IFR & VFR  
EVEN  
Thousands  
VFR above  
3000' AGL  
EVEN  
Thousands  
Plus  
500'

IN CANADA CROSS EACH FIX AT OR ABOVE THE HIGHER MINIMUM ENROUTE FIX ALTITUDE APPLICABLE TO FLIGHT

VFR AIRSPACE RESTRICTION  
NO VFR FLIGHT WITHIN CANADIAN CLASS B AIRSPACE PERMITTED ABOVE 12,500' WITHOUT AN ATC CLEARANCE FOR ADDITIONAL DETAILS SEE APPROPRIATE PUBLICATIONS

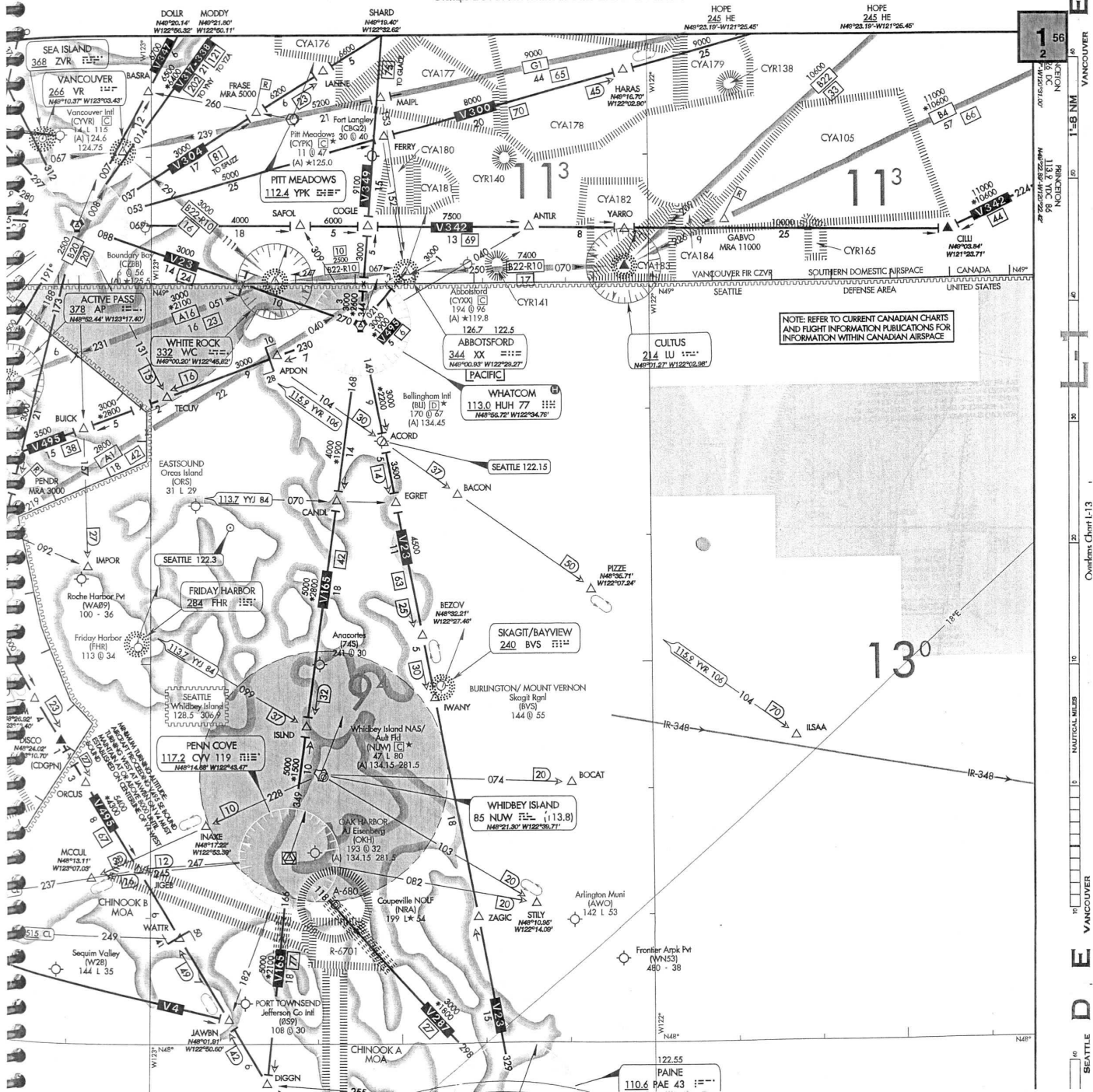
AIRSPACE CLASSIFICATION (SEE CANADA FLIGHT SUPPLEMENT) AND OPERATIONAL REQUIREMENTS (DOC USERS SEE DOC AREA PLANNING AP/1) MAY DIFFER BETWEEN CANADA AND THE UNITED STATES

NOTE: REFER TO CURRENT CANADIAN CHARTS AND FLIGHT INFORMATION PUBLICATIONS FOR INFORMATION WITHIN CANADIAN AIRSPACE

Quillayute  
(UL) 194 - 42

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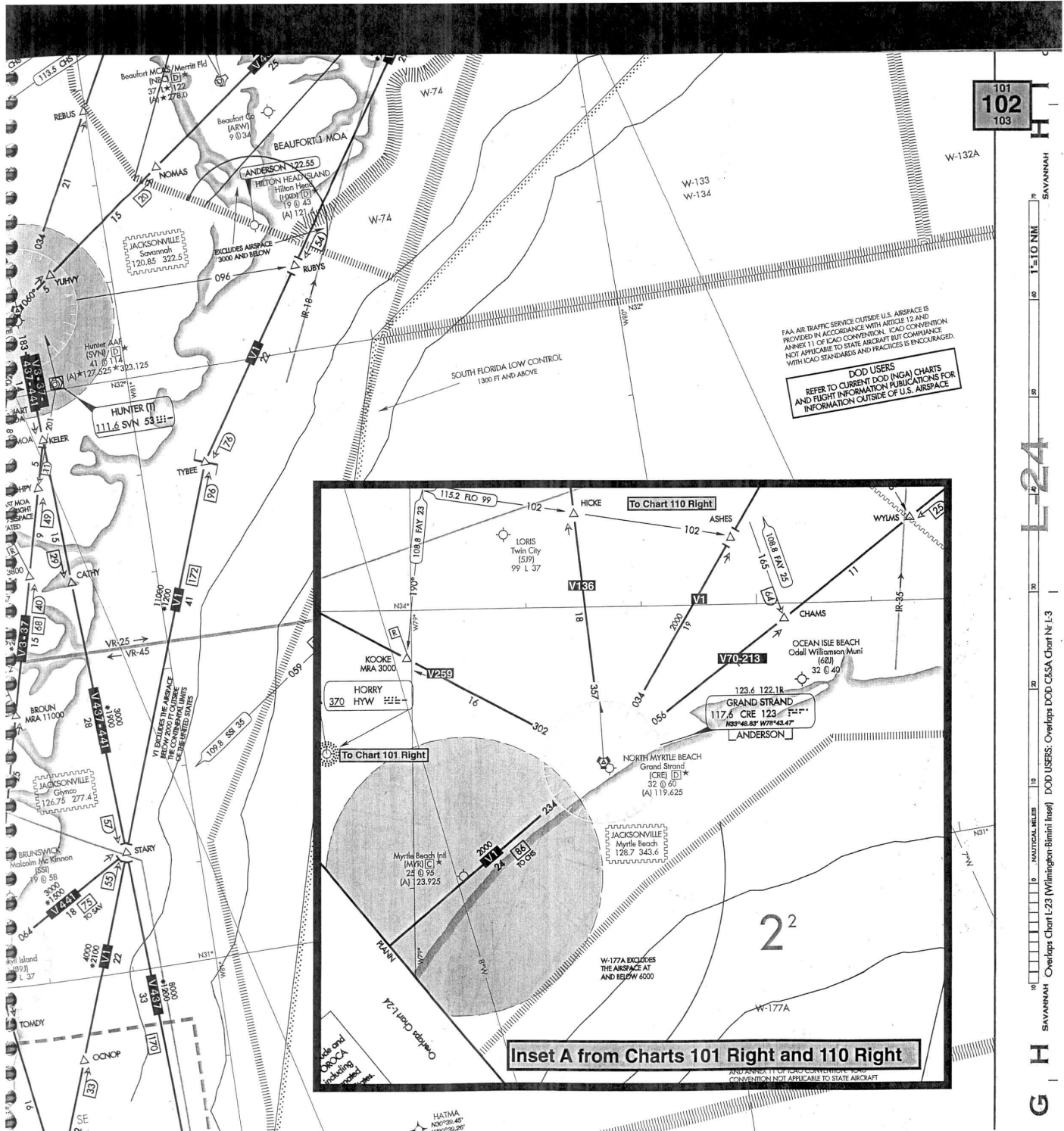
Overlaps CANADA & NORTH ATLANTIC Chart LO-2 & Chart AK L-1



NOTE: REFER TO CURRENT CANADIAN CHARTS AND FLIGHT INFORMATION PUBLICATIONS FOR INFORMATION WITHIN CANADIAN AIRSPACE

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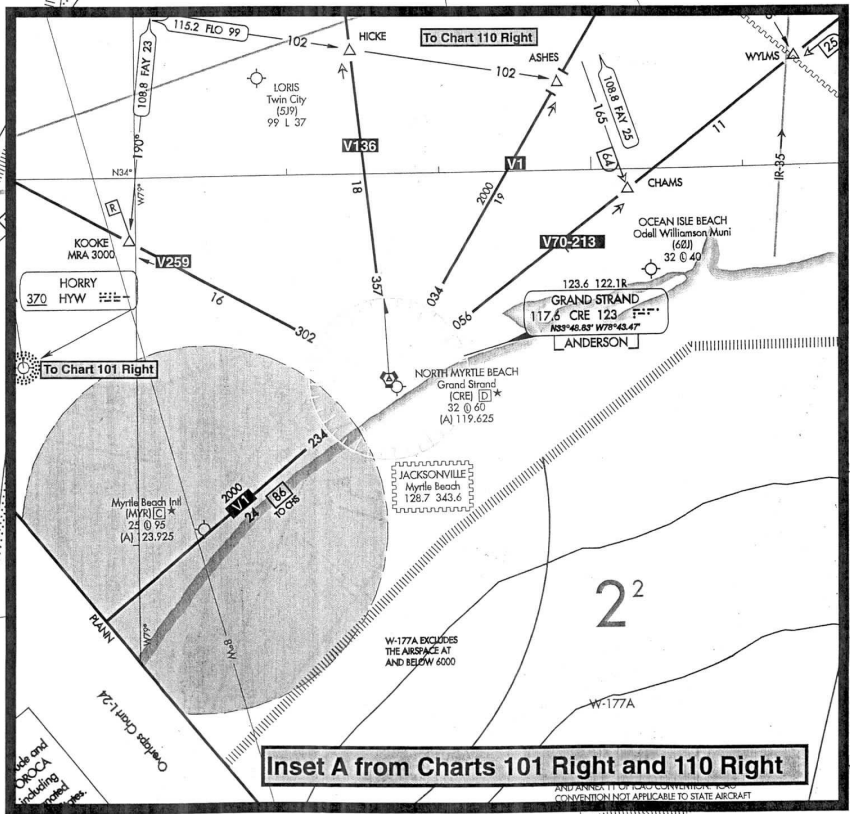




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FAA AIR TRAFFIC SERVICE OUTSIDE U.S. AIRSPACE IS PROVIDED IN ACCORDANCE WITH ARTICLE 12 AND ANNEX 11 OF ICAO CONVENTION. ICAO CONVENTION NOT APPLICABLE TO STATE AIRCRAFT BUT COMPLIANCE WITH ICAO STANDARDS AND PRACTICES IS ENCOURAGED.

DOD USERS REFER TO CURRENT DOD (INGA) CHARTS AND FLIGHT INFORMATION PUBLICATIONS FOR INFORMATION OUTSIDE OF U.S. AIRSPACE.



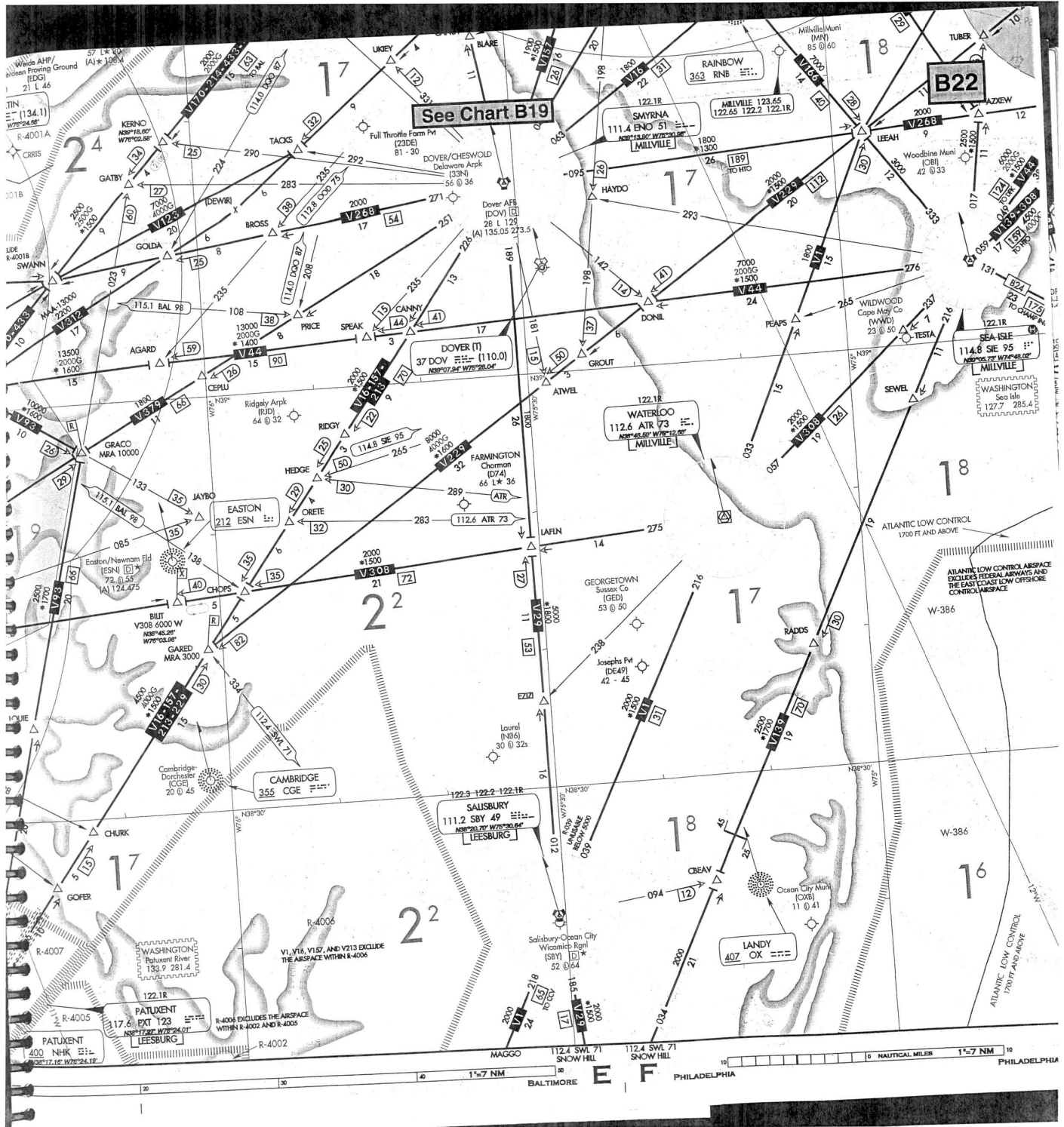
**Inset A from Charts 101 Right and 110 Right**

SAVANNAH  
1:50 NM  
L-24  
G H SAVANNAH Overlaps Chart L-23 (Wilmington-Bimini Inset) DOD USERS: Overlaps DOD: CISA Chart Nr L-3

HATMA  
N 087° 35' 40"  
W 079° 55' 26"







See Chart B19

B22

DOVER (1) 37 DOV 111.0

WATERLOO 112.6 ATR 73

CAMBRIDGE 355 CGE

SAUSBURY 111.2 SBY 49

LANDY 40Z OX

ATLANTIC LOW CONTROL 1700 FT AND ABOVE

ATLANTIC LOW CONTROL 1700 FT AND ABOVE

PATUXENT 17.6 FXT 123

PATUXENT 400 NHK

R-4004 EXCLUDES THE AIRSPACE WITHIN R-4002 AND R-4005

R-4006 EXCLUDES THE AIRSPACE WITHIN R-4006

10 0 NAUTICAL MILES 1:7 NM PHILADELPHIA

BALTIMORE E F PHILADELPHIA



NOTES, Hotel-Motel Numbers, etc.

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**Chart Program for 2010-2011**

This annual cycle will update Feb 11, '10 airspace data (unless major change later). New charts are shipped in the May-June period depending on FAA changes, supply delays, etc....but no matter when we ship, the charts you now have will be kept updated until new ones arrive.

**The Atlases** - cover the U.S. 48 states

**IFR Low Altitude Enroute Atlas-**

11" x 11" spiral bound. Full color reproductions of the FAA/NACO Low Altitude Enroute and Area charts, including the comm freqs. Facing pages cover over 1/4 of a chart with overlap. Many extras include VOR Plan Chart, VOR Ident Decodes & VOR Lat/Longs.

**VFR Sectional Atlas East / West**

11" x 11" spiral bound. Full color reproductions of FAA/NACO Sectional Charts. Data depicted on charts include airport ident, Class B,C,D,E airspace, MOA's and Restricted Airspace. All controlled and uncontrolled airport frequencies. The VFR Sectional Atlas comes in two editions; one for the Eastern U.S. and one for the Western U.S. Dividing line is the 97th meridian.

**TOPOGRAPHIC Color ATLAS-**

11" x 11" spiral bound. All WACs in full size color for U.S., Nassau & Baja plus Class B & C spaces from Sectional charts also in full color with all needed contact frequencies. Class B charts have the DME added to the rings for easy identification & Fly-thru patterns.

**CAPT's GUIDE-** (side-pocket size 8.5"x5.5")

In addition to having the basic data listed for all airports 2500'+HS such as distance from city, longest runway, freqs for unicom, CTAF, tower, ATIS, ground, approach & clearance delivery, the Capt's Guide has a listing for AM radio stations, the Lat/Lon for airports, plus all VORs and NDBs and the 10,000+ low alt fixes!

It is the most complete aviation data base in print! Has 20% more data than Jeppesen's and arranged in a much more user-friendly format. It is handy (saves paging) even if your GPS has a data base....a must if it does not. Also included are handy data like Koch charts, emergency procedures, sunset estimator, Time zone vs. Zulu/UT & much more.

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We send you one set of FAA plates each year, then keep them updated with our famous update service. It is cumulative...update only when you fly. The plates are in loose-leaf or bound format (see prices under map at right)

**Important-** As part of our credentials with the FAA, all charts include updating.

# VOR ID & Lat/Long

use for 1) locating VOR on map for revised clearances etc. 2) Loran-C or GPS data entries for non data base units

(Name State Identifier Coordinates)

(Name State Identifier Coordinates)

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(Name State Identifier Coordinates)

Laredo, TX (LRD) 27-28.7099-25.1  
Las Vegas, NV (LAS) 36-04.8715-109.6  
Laughlin, TX (DLF) 29-21.7100-46.3  
Lawrence, MA (LWM) 42-44.4071-05.7  
Lawrenceville, IL (LWV) 38-46.2087-36.2  
Lawrenceville, VA (LV) 36-49.1077-54.2  
Lawson, GA (LSF) 32-19.9084-59.6  
Lawton, OK (LAW) 34-29.8098-24.8  
Lebanon, NH (LEB) 43-40.7072-13.0  
Lee County, FL (RSW) 29-31.8081-46.5  
Leeville, LA (LEF) 29-10.8080-08.2  
Lemmon, SD (LEM) 45-55.2102-06.2  
Leona, TX (LOA) 31-07.4098-58.1  
Lewistown, MT (LWT) 47-03.2109-36.4  
Lexington, KY (HYK) 37-58.0084-28.4  
Libby, AZ (FRU) 31-35.4710-21.9  
Liberal, KS (LBU) 37-02.7100-58.3  
Litchfield, IL (LFD) 42-03.7094-45.9  
Linden, KY (LOZ) 37-02.0084-06.6  
Lone Rock, WI (LNR) 47-17.7090-08.0  
Los Angeles, CA (LAX) 33-56.0118-25.9  
Lost Nation, OH (LNN) 41-41.1081-23.4  
Louisville, KY (LV) 38-06.2085-34.6  
Lucas, MO (LUC) 40-07.5118-34.7  
Lubbock, TX (LBB) 33-42.3011-54.8  
Lucin, UT (LUC) 41-21.8113-50.4  
Lufkin, TX (LUF) 31-09.7094-43.0  
Lumberton, NC (LBT) 34-36.8079-03.3  
Lynchburg, VA (LYH) 37-15.9073-14.2  
Macon, GA (MCN) 32-41.6083-38.8  
Macon, MO (MCO) 39-29.2092-28.9  
Madison, CT (MAD) 41-18.9072-41.5  
Madison, WI (MDN) 43-06.7089-20.4  
Madison City, AL (MDC) 42-12.0112-27.1  
Malden, MA (MAM) 36-33.3089-54.7  
Manchester, NH (MHT) 42-52.1071-22.2  
Manhattan, KS (MHH) 39-06.7096-40.1  
Manitowish, WI (MNS) 44-5.2086-18.2  
Manitowic, WI (MTW) 44-07.7087-40.8  
Manitoka, KS (TKO) 39-48.4098-15.6  
Mankato, MN (MKT) 44-13.2099-54.7  
Mansfield, OH (MNS) 40-12.2101-35.7  
Manter, IA (MFR) 39-53.7104-37.5  
Marion, IA (MIA) 30-47.2085-07.5  
Marion, IL (MVA) 37-03.9089-00.7  
Marion, IN (MZZ) 40-29.6085-40.0  
Marshall, MN (MML) 44-23.9091-9.5  
Marion Vinnyard, MA (MVA) 41-23.8070-36.8  
Martinsburg, WV (MRB) 39-23.1077-50.9  
Marvell, AR (LUM) 34-34.5090-40.5  
Marysville, CA (MYV) 39-05.9121-34.4  
Mason City, IA (MCA) 43-25.7083-19.8  
Massena, NY (MSS) 44-54.9074-43.4  
Mattoon, IL (MTO) 39-28.7088-17.2  
Maverick, TX (TMT) 32-52.1097-02.4  
Maverick, CA (MVC) 39-03.7122-16.5  
Mc Alester, OK (MLC) 34-51.0085-46.9  
Mc Allen, TX (MFE) 29-10.4098-14.4  
Mc Clellan, CA (MCC) 38-40.0121-24.2  
Mc Comb, MS (MCS) 31-18.3090-15.5  
Mc Cook, NE (MCK) 40-12.2101-35.7  
Mc Entire, SC (MTT) 33-55.4080-48.1  
Mc Guire, NJ (GUX) 40-00.6074-35.8  
Mc Kellar, TN (MKL) 35-36.2088-54.6  
McKord, VA (TCM) 47-08.9122-28.5  
Medicine Bow, WY (MWB) 41-07.7106-00.3  
Meeker, CO (EKR) 40-04.0107-55.5  
Melbourne, FL (MLB) 28-06.3080-38.1  
Memphis, TN (MEM) 35-00.9089-59.0  
Menocino, CA (MNC) 39-03.2123-16.5  
Menominee, MI (MNM) 45-10.8087-38.8  
Meridian, MS (MEF) 32-22.7088-48.3  
Midland, TX (MID) 32-00.6102-11.4  
Midwest, MO (MWD) 39-25.8093-48.1  
Mill City, CO (MVC) 39-53.7104-37.5  
Millersburg, WV (MVB) 42-22.9105-57.2  
Millport, UT (MFP) 38-21.6113-00.8  
Millrock, ME (MLR) 45-35.2088-30.9  
Millsap, TX (MSP) 32-43.8079-58.8  
Milton, PA (MIP) 41-01.4076-73.9  
Mina, NV (MVA) 38-33.9118-02.0  
Minneapolis, MN (MSP) 44-58.3093-14.2  
Mino, ND (MCT) 48-01.6111-17.2  
Mission Bay, CA (MBC) 32-46.9117-13.5  
Missoula, MT (MSH) 46-54.5114-05.0  
Mitchell, SD (MHE) 43-46.6098-02.3  
Moab, UT (OAB) 38-45.4109-40.5

Modena, PA (MKE) 39-55.1075-40.2  
Modesto, CA (MOD) 37-37.8120-57.5  
Moline, IL (MZV) 41-19.3090-38.3  
Monroe, LA (MLU) 32-31.0092-02.2  
Monroeville, AL (MVC) 31-27.6087-21.2  
Montebello, VA (MCL) 37-54.0079-06.4  
Montevideo, MN (MVE) 44-58.4085-42.7  
Montgomery, AL (MGM) 32-13.3086-19.2  
Monticello, AR (MON) 33-33.7091-42.9  
Montour, PA (MMJ) 40-29.3090-11.6  
Montpelier, VT (MPV) 44-05.1072-27.0  
Montrose, CO (MTJ) 38-30.4107-54.0  
Moody, GA (VAD) 30-57.6083-11.6  
Morgantown, WV (MGW) 39-33.4079-51.6  
Morrison, VA (MMO) 36-46.2114-16.6  
Morris, IN (MOR) 41-33.9085-38.2  
Morro Bay, CA (MCO) 35-15.1120-45.6  
Moses Lake, WA (MWH) 47-12.7119-19.0  
Moultrie, GA (MGR) 31-04.9083-48.3  
Mount Pleasant, MI (MOP) 43-37.4084-44.2  
Mount Vernon, IL (MNN) 38-21.7088-46.4  
Muddy Mountain, WY (DDY) 43-05.5106-16.6  
Mullan Pass, ID (MLP) 47-27.4115-38.8  
Muncie, IN (MIE) 40-14.2085-23.6  
Muskegon, MI (MUS) 43-42.4087-29.5  
Muskegon, MI (MKG) 43-10.2086-02.4  
Mustang, NV (FMG) 39-31.9119-39.4  
Mystic, KY (MYS) 37-53.6086-14.7  
Myrtle, UT (MTU) 40-06.9110-07.7  
Nabb, IN (NBB) 38-35.3085-38.2  
Nantucket, MA (ACK) 41-16.9070-01.6  
Napoleon, MO (ANX) 39-05.7094-07.7  
Nashville, TN (BNA) 36-08.2086-41.1  
Natchez, MS (HEZ) 31-37.1081-18.0  
Natchitoches, LA (NCH) 30-53.3085-38.2  
Navasota, TX (TNV) 30-17.3096-03.5  
Needles, CA (EED) 34-46.0114-28.4  
Neosho, MO (EOS) 36-50.5094-26.1  
New Bern, NC (EWN) 35-04.4077-02.7  
New Haven, CT (HVN) 41-15.7072-53.1  
New Hope, KY (EWO) 37-37.9085-40.0  
New Ulm, MN (ULM) 44-19.1094-29.9  
Newburg, OR (ECS) 45-21.2122-58.7  
Newberry, MI (ENY) 46-18.8085-27.9  
Newcastle, WY (EBC) 43-52.9104-18.5  
Newcomer, KY (ECB) 38-09.5082-54.6  
Newcomerstown, OH (CWN) 40-13.8081-28.6  
Newman, TX (EWM) 31-57.1106-16.3  
Newport, OR (NRP) 44-34.5124-00.6  
Newton, IA (TNU) 41-47.0093-06.5  
Nez Perce, ID (MCO) 46-22.9116-52.2  
Nodine, MN (ODI) 43-54.7091-28.1  
Nogales, AZ (CNS) 31-24.9110-50.9  
Norfolk, NE (OFK) 41-59.3097-26.1  
Norfolk, VA (ORF) 36-53.5076-12.0  
North Bend, OR (OTH) 43-24.9124-10.1  
North Philadelphia, PA (PNE) 40-34.9075-00.6  
North Platte, NE (FPA) 41-02.9100-44.8  
Northbrook, IL (OBK) 42-13.3087-57.1  
Norwich, CT (ORW) 41-33.4071-60.1  
Nottingham, MD (OTT) 38-42.4078-44.7  
Nottingham, RI (CNS) 41-42.1121-13.4  
Ocala, FL (OCF) 29-10.6082-13.6  
Oceanside, CA (OCN) 33-14.4117-25.1  
Ogden, UT (OGD) 41-13.4112-05.9  
Okmulgee, OK (OKM) 35-41.6095-25.0  
Olympia, WA (OLM) 46-58.3122-54.1  
Omaha, NE (OVR) 41-10.0095-44.2  
O'Neill, NE (ONL) 42-28.2098-41.2  
Orlando, FL (ORL) 28-32.8081-20.1  
Ormond Beach, FL (OMN) 29-16.2081-06.8  
Oshkosh, WI (OSH) 43-58.4088-33.4  
Oswego, KS (OSW) 37-09.5095-12.2  
Otto, MN (OTO) 35-04.3105-56.2  
Ottumwa, IA (OTM) 41-01.7092-19.6  
Owensboro, KY (OVB) 37-44.6087-10.0  
Page, AZ (PGA) 36-55.9111-26.8  
Pahokee, FL (PHK) 26-47.8086-01.5  
Paine, WA (PAE) 47-55.2122-16.7  
Palacios, TX (PSX) 28-45.9086-18.2  
Palm Beach, FL (PBI) 26-40.8080-05.2  
Palm Springs, CA (PSP) 33-52.2116-25.8  
Palmdale, CA (PMD) 34-37.9118-03.8  
Panama City, FL (PFN) 30-13.0085-40.0  
Panshandle, TX (PNS) 34-45.1110-11.9  
Panchoche, CA (PXN) 36-42.9120-46.7  
Paradise, CA (PDZ) 33-55.1117-31.8  
Paris, TX (PRX) 33-32.5095-26.9  
Park Rapids, MN (PRD) 46-53.9095-04.3  
Parkersburg, WV (PKB) 39-46.1114-40.9  
Parkersburg, WV (JPU) 39-26.5081-22.5  
Pasco, WA (PSC) 46-15.8119-06.9  
Paso Robles, CA (PRB) 35-40.3120-37.6  
Patuxent, MD (PXT) 38-17.3076-24.0  
Pawling, NY (PWL) 41-46.2073-36.0  
Patuxent, VA (PVA) 40-12.0096-12.4  
Peach Springs, AZ (PGS) 35-37.5113-32.7  
Peachtree, GA (PKD) 33-52.5084-17.9  
Pease, NH (PSM) 43-05.1070-49.9  
Pecan, GA (PZD) 31-39.3084-17.6  
Pecos, MI (ECK) 43-15.4082-43.1  
Pecos, TX (PEQ) 31-28.2103-34.5

Pellston, MI (PLN) 45-37.8084-39.8  
Pendleton, OR (PDT) 45-41.9118-56.3  
Penn Cove, WA (CVV) 48-14.7122-43.5  
Peoria, IL (PIA) 40-40.8089-47.6  
Peotone, IL (EON) 41-16.2087-47.5  
Phillip, SD (PHP) 43-03.5101-39.9  
Phillipsburg, PA (PSB) 40-55.0077-59.6  
Phillips, MD (PPM) 39-28.0076-10.3  
Phoenix, AZ (PXR) 33-26.0111-53.8  
Pierce, SD (PIR) 44-23.7100-09.8  
Pine Bluff, AR (PBF) 34-14.8091-55.6  
Pionon, MN (PIO) 32-31.8105-13.1  
Pioneer, OK (PEP) 36-44.8097-09.6  
Plestone, MN (PMN) 43-59.2096-17.8  
Plainview, TX (PWN) 34-30.8101-47.4  
Plattsburgh, NY (PLB) 44-41.1073-31.4  
Pocatello, ID (PCH) 42-52.2112-39.1  
Pocket City, IN (PKV) 37-85.7087-45.7  
Poggi, CA (PGY) 32-36.6116-58.7  
Pogonip, CA (PVE) 38-04.8122-52.1  
Polk, LA (PXL) 31-06.7093-13.1  
Pololu, IL (FLI) 41-57.9089-31.6  
Pomona, CA (POM) 34-04.7117-47.2  
Poncha, CO (PNC) 38-08.0120-41.8  
Pontiac, MI (PSI) 42-42.1083-32.0  
Port City, IA (DDX) 41-22.0091-08.9  
Portland, OR (PDX) 45-19.8087-42.3  
Provo, UT (PVU) 40-12.9111-43.3  
Pueblo, CO (PUB) 38-17.7104-25.8  
Pulaski, VA (PSK) 37-05.3080-42.8  
Pullman, WA (PMW) 46-28.0086-06.3  
Pullman, WA (PLW) 46-40.5117-13.4  
Punta Gorda, FL (PGD) 28-55.0081-59.5  
Putnam, CT (PUT) 41-57.9071-50.6  
Quincy, IL (QUN) 39-50.9091-16.7  
Quilman, TX (QUM) 32-52.8095-22.0  
Rainelle, WV (RNL) 37-55.6090-48.4  
Raleigh/Durham, NC (RDU) 35-52.4078-47.2  
Randolph, TX (RND) 29-31.2098-17.1  
Ranger, TX (FUZ) 36-31.2097-10.8  
Rapid City, SD (RAP) 43-56.8103-00.7  
Rattlesnake, MN (RSK) 36-44.9108-05.9  
Ravine, PA (RAV) 40-33.2076-36.0  
Rawlins, WY (RWL) 41-48.3107-12.3  
Razaback, AR (RZC) 36-11.8094-37.3  
Red Bluff, CA (RBL) 40-05.9122-14.2  
Red Table, CO (RDB) 39-26.4106-53.7  
Redding, CA (RDD) 40-30.3122-17.5  
Redwood Falls, MN (RWF) 44-28.0095-07.7  
Reserve, LA (RES) 30-35.3090-35.3  
Revolv, PA (REC) 40-30.8107-41.9  
Rhinelander, WI (RHI) 45-38.0089-27.5  
Rice Lake, WI (RFL) 45-24.9091-46.7  
Rich Mountain, OK (RCO) 34-40.8094-36.5  
Richmond, VA (RIC) 37-45.9122-13.4  
Richmond, VA (RJC) 37-30.1077-19.2  
Rifle, CO (RIF) 39-31.7107-43.0  
Riverside, CA (RAL) 33-51.7117-27.0  
Riverside, MI (RSL) 39-07.2094-35.8  
Riverton, WY (RIV) 43-03.8108-27.3  
Roanoke, VA (ROA) 37-20.6090-04.2  
Robbinsville, NJ (RNB) 40-12.1074-29.2  
Robert, CO (BOZ) 40-27.8106-52.3  
Roberts, IL (ROB) 40-34.9089-09.9  
Robinson, IL (RSB) 39-51.1087-36.9  
Robinson, KS (RBA) 39-51.1095-25.1  
Rochester, MN (RST) 43-47.0092-35.0  
Rochester, NY (ROC) 43-07.2077-40.4  
Rock Springs, WY (RCS) 41-35.4109-00.9  
Rockdale, NY (RKA) 42-26.0075-14.4  
Rogue Valley, OR (ROV) 42-28.9122-54.8  
Rome, GA (RMG) 34-09.8085-07.2  
Rome, OR (REO) 42-31.4117-52.1  
Roseau, MN (ROK) 48-51.3095-41.7  
Roseburg, OR (ROB) 42-10.9123-21.1  
Rosewood, OH (ROD) 40-47.3084-02.2  
Rutland, VT (RUT) 43-31.6072-57.0  
Sabine Pass, TX (SBI) 29-41.2094-02.3  
Sacramento, CA (SAC) 38-26.9121-33.4  
Saginaw, MI (SBS) 43-31.9084-04.6  
Salina, MI (SVM) 42-24.5083-03.7  
Salina, KS (SLN) 38-55.5097-37.3  
Salinas, CA (SNS) 36-39.8121-36.2  
Salisbury, MD (SBY) 38-20.7075-30.6  
Salmon, ID (SAL) 43-31.114-05.1  
Salt Flat, TX (SFL) 31-44.9105-05.2  
Samsville, IL (SAM) 38-29.1088-05.5  
San Angelo, TX (SJT) 31-22.5100-27.3  
San Antonio, TX (SAT) 29-36.9098-27.7  
San Francisco, CA (SFO) 37-37.2122-22.4  
San Jose, CA (SJC) 37-52.5121-56.7  
San Marcus, CA (RZS) 34-30.6119-46.3

San Simon, AZ (SSO) 32-16.2109-15.8  
Sandhills, NC (SDZ) 35-12.9079-35.3  
Sandusky, OH (SKY) 41-26.1082-39.3  
Sandy Point, RI (SEY) 41-10.0071-34.6  
Santa Catalina, CA (SXC) 33-22.5118-25.2  
Santa Fe, NM (SAF) 35-32.4106-03.9  
Santa Monica, CA (SMO) 34-00.6118-27.4  
Santa Rosa, CA (STS) 38-30.5122-46.6  
Saranac Lake, NY (SLK) 44-23.1074-12.3  
Sarasota, FL (SRQ) 27-24.4082-33.8  
Saulfley, FL (NUN) 30-29.3087-20.1  
Sault Ste. Marie, MI (SSM) 46-24.7084-18.9  
Sealton, CA (SAU) 37-51.3122-31.4  
Savannah, GA (SWV) 32-08.8081-11.9  
Sawmill, LA (SWS) 31-58.4098-47.8  
Sawyer, MI (SAW) 46-21.5087-23.8  
Sayre, OK (SJO) 35-20.7099-38.1  
Scaggs Island, CA (SGD) 38-10.8122-22.4  
Scholar, TX (VUH) 29-16.2094-52.1  
Schoolcraft County, MI (ISC) 45-58.6086-10.4  
Scottsbluff, NE (SFB) 41-53.8109-28.6  
Scribner, NE (SCB) 41-36.3096-37.7  
Sea Isle, NJ (SIE) 39-05.7074-48.0  
Seal Beach, CA (SLI) 33-47.0116-03.3  
Sheridan, WY (SHR) 44-50.5107-03.7  
Sherrill, NY (SHY) 44-50.5107-03.7  
Shelbyville, IN (SHB) 39-38.0085-49.5  
Shelbyville, TN (SHV) 35-33.7086-26.3  
Shelton, IA (DDL) 43-12.7096-50.9  
Sherrill, NY (SHY) 44-50.5107-03.7  
Sidney, NE (SND) 41-05.8102-59.0  
Sidon, MS (SQS) 33-27.8090-16.6  
Silver Bow, NV (TQQ) 37-47.4116-46.8  
Silver City, NM (SVC) 32-39.3108-09.7  
Sioux City, IA (SUX) 42-20.7086-19.4  
Sioux Falls, SD (FSD) 43-39.0096-49.6  
Siren, WI (RZN) 45-49.2092-22.5  
Slate Run, PA (SLT) 41-30.8077-58.2  
Smyrna, DE (SMD) 39-13.9075-31.0  
Snow, CO (SXW) 39-37.8106-59.5  
Snow Hill, MD (SWL) 38-03.4075-27.8  
Snowbird, TN (SOT) 35-47.4083-03.3  
Socorro, NM (SNM) 34-20.3106-49.2  
Sod House, MN (SHO) 41-24.4116-02.1  
Solberg, NJ (SBJ) 40-35.0074-44.5  
South Boston, VA (SBV) 36-40.5079-00.9  
Sparta, NJ (SAX) 41-04.1074-32.3  
Spartanburg, SC (SPA) 35-02.0081-55.6  
Spencer, IA (SPW) 43-09.7095-12.6  
Spinnler, IL (SPI) 39-50.4089-40.7  
Spokane, WA (GEG) 47-33.9117-37.6  
Springfield, MO (SGF) 37-21.4083-20.0  
Springfield, OH (SGR) 39-50.7083-50.7  
Squaw Valley, CA (SWR) 39-10.8120-16.2  
St Augustine, FL (SGJ) 29-57.4080-19.8  
St Cloud, MN (STC) 45-33.0094-03.5  
St George, UT (SGJ) 39-03.9122-35.5  
St Joseph, MO (STJ) 39-57.6094-55.5  
St Louis, MO (STL) 38-51.6090-28.9  
St Petersburg, FL (PIE) 27-54.5082-41.1  
St Thomas, PA (THS) 39-56.0077-57.1  
Stanfield, AZ (TFD) 32-53.2111-54.5  
Stevens Point, WI (STE) 44-32.6089-31.2  
Stillwater, NJ (STW) 40-59.7074-52.1  
Stillwater, OK (SWO) 36-13.5097-04.9  
Stinson, TX (STN) 29-15.6089-26.6  
Stonewall, TX (STV) 30-12.4098-42.3  
Stonyfork, PA (SFK) 41-41.7077-25.5  
Sugarloaf Mtn, NC (SUG) 35-24.4082-16.1  
Sulphur Springs, TX (SLR) 33-11.9085-32.6  
Sunshine, MO (SHY) 39-02.4092-36.2  
Syracuse, NY (SYR) 43-09.6076-12.3  
Talladega, AL (TDG) 33-34.5086-02.6  
Taos, NM (TAS) 36-36.105-41.0  
Tar River, NC (TVR) 35-58.6077-42.2  
Tatoosh, WA (TOU) 48-18.0124-37.6  
Taylor, FL (TAY) 30-30.3082-33.6  
Tekamah, NE (TQE) 41-45.6096-10.7  
Temper, TX (TPE) 31-12.8097-29.5  
Terre Haute, IN (TTH) 39-23.3087-14.6  
Teterboro, NJ (TEB) 40-50.9074-03.7  
Texarkana, AR (TXK) 33-30.8094-04.4  
Texico, TX (TXC) 34-29.7102-30.1  
Teyatewa, OR (TXY) 33-28.7086-23.5  
Therford, NE (THF) 41-58.9101-07.0  
Thermal, CA (TRM) 33-37.7116-09.6  
Thief River Falls, MN (TVF) 48-04.2096-11.2  
Three Rivers, TX (TRX) 28-30.3098-09.0  
Thurman, CO (TXC) 38-41.9103-12.9  
Tibby, LA (TBD) 29-39.9100-49.7  
Tidicut, PA (TDT) 41-42.8079-25.0  
Tift, GA (TIF) 31-25.7083-29.3  
Tinnemah, WI (TIN) 43-06.6088-02.2  
Tiverton, OH (TVT) 42-27.5082-07.6  
Topeka, KS (TOP) 38-06.2095-32.9  
Tonopah, NV (TPH) 38-01.8117-02.0

Topeka, KS (TOP) 38-06.2095-32.9  
Traverse City, MI (TCV) 44-40.1085-33.0  
Travis, CA (TZZ) 38-20.7121-48.6  
Tri County, FL (FVY) 30-50.5085-36.5  
Trinity, TX (MHH) 29-32.8084-44.9  
Troy, IL (TOY) 38-44.3089-55.1  
Truss, TX (WGP) 27-41.2087-17.7  
Truth Or Consequences, NM (TCS) 33-17.0107-16.8  
Tuba City, AZ (TBC) 36-07.3111-16.2  
Tucson, AZ (TUS) 32-05.7110-54.9  
Tucuman, AR (TUC) 35-10.9103-35.9  
Tuscola, IL (TOA) 32-14.1089-48.0  
Tule, CA (TTE) 35-54.8119-01.2  
Tullahoma, TN (TUM) 35-22.8086-14.7  
Tulsa, OK (TUL) 36-11.8095-47.3  
Tulsa, MS (OTB) 34-13.4088-47.8  
Tuscola, IL (TOA) 32-14.1089-48.0  
Tuskegee, AL (TGE) 32-29.1085-40.2  
Twenty-nine Palms, CA (TNP) 34-06.7115-46.2  
Twin Falls, ID (TWF) 42-28.8114-28.9  
Tyler, TX (TYR) 32-21.4095-24.2  
Tyronne, PA (TON) 40-44.1078-19.9  
Tulsa, OK (TUL) 36-11.8095-47.3  
Udell, VA (UDL) 37-03.6087-51.1  
Utica, NY (UCA) 43-01.6075-09.9  
Valdosta, GA (OTK) 30-03.6083-16.8  
Van Nuys, CA (VNY) 34-13.4118-29.5  
Vienna, GA (VNA) 32-12.8083-29.8  
Vance, SC (VAN) 33-28.5080-26.9  
Vandalia, IL (VLA) 39-05.6089-09.7  
Ventura, CA (VTU) 34-06.9119-03.0  
Vernal, UT (VNL) 40-22.7109-29.6  
Vero Beach, FL (VRS) 27-40.7080-29.4  
Vichy, MO (VHI) 38-09.2091-42.4  
Victoria, TX (VCT) 28-54.0086-58.7  
Victorville, CA (VCV) 34-35.6117-23.4  
Vincennes, IN (VNC) 38-48.7114-58.7  
Virginia Key, FL (VKZ) 25-45.1080-09.0  
Visalia, CA (VIS) 36-22.0119-18.6  
Volante, TN (VXV) 35-54.3083-53.7  
Volcan, AL (VUZ) 32-00.2086-54.0  
Waco, TX (ACT) 31-38.7087-18.1  
Walla Walla, WA (WAW) 46-05.2118-17.6  
Walnut Ridge, AR (ARG) 36-06.6090-57.2  
Wasatch, UT (TCH) 40-51.0111-58.9  
Washington, CO (DCA) 38-51.6077-02.2  
Waterloo, DE (ATR) 38-48.6075-17.2  
Waterloo, IA (ALO) 42-33.4092-23.3  
Waterloo, NY (ART) 43-57.1076-03.9  
Waterford, SD (ATY) 44-58.8097-06.5  
Waterloo, OH (EWR) 39-29.7083-36.3  
Watkinson, IA (WAT) 40-35.0074-44.5  
Wausau, WI (AUW) 44-50.8089-35.2  
Waycross, GA (WYS) 31-16.2088-33.4  
Waynesville, NC (WYN) 35-41.6084-11.2  
Wellsville, NY (ELZ) 42-05.4077-60.0  
Wenatchee, WA (PMM) 47-47.2101-12.7  
West Bend, WI (EBX) 43-25.3088-07.7  
West Branch, IA (WBJ) 44-14.6084-11.4  
Westminster, MD (EWE) 39-29.7075-58.7  
Westover, MA (CEH) 42-11.9072-31.7  
Whetson, WA (WHI) 48-56.7122-34.8  
Wheeling, WV (HLG) 40-15.6080-34.1  
White Cloud, MI (HIC) 43-34.5085-43.0  
White Lake, LA (TLA) 29-39.8092-22.4  
Whitehall, MT (HIA) 45-51.7112-10.2  
Wichita, KS (ICT) 37-44.7097-35.0  
Wichita Falls, TX (SFS) 33-59.2098-35.6  
Wildhorse, OR (ILR) 43-36.8116-57.3  
Will Post, OK (PWA) 35-32.0097-38.6  
Wilkes-Barre, PA (LVZ) 41-16.4075-41.4  
Will Rogers, OK (HRW) 35-21.5097-36.6  
Williams, CA (ILA) 39-34.3122-01.6  
Williamsport, PA (FOM) 41-20.3076-4

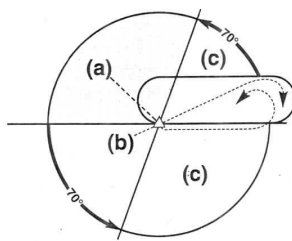
| U.S. DEPARTMENT OF TRANSPORTATION<br>FEDERAL AVIATION ADMINISTRATION |                                     |  | (FAA USE ONLY) <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR<br><input type="checkbox"/> STOPOVER |   | TIME STARTED                                    | SPECIALIST INITIALS     |
|--|-------------------------------------|--|--|---|---|-------------------------|
| <b>FLIGHT PLAN</b>   |                                     |  |  |   |   |                         |
| 1. TYPE  | 2. AIRCRAFT TYPE/<br>IDENTIFICATION | 3. AIRCRAFT TYPE/<br>SPECIAL EQUIPMENT   | 4. TRUE<br>AIRSPEED  | 5. DEPARTURE POINT  | 6. DEPARTURE TIME<br>PROPOSED (Z)    ACTUAL (Z) | 7. CRUISING<br>ALTITUDE |
| VFR  |                                     |  | KTS  |   |   |                         |
| IFR  |                                     |  |  |   |   |                         |
| DVFR   |                                     |  |  |   |   |                         |
| 8. ROUTE OF FLIGHT   |                                     |  |  |   |   |                         |
| 9. DESTINATION (Name of airport<br>and city)                         |                                     | 10. EST. TIME ENROUTE<br>HOURS    MINUTES  |  | 11. REMARKS   |   |                         |
| 12. FUEL ON BOARD<br>HOURS    MINUTES                                |                                     | 13. ALTERNATE AIRPORT(S)   |  | 14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE |   | 15. NUMBER<br>ABOARD    |
|  |                                     |  |  | 17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)                      |   |                         |
| 16. COLOR OF AIRCRAFT  |                                     | CIVIL AIRCRAFT PILOTS, FAR Part 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 99 for requirements concerning DVFR flight plans. |  |   |   |                         |

**SPECIAL EQUIPMENT CODES:**  
 /X No Transponder  
 /T Transponder-No Altitude Encoding  
 /U Transponder-Altitude Encoding  
 /D DME-No Transponder  
 /B DME-Transponder-No Altitude Encoding  
 /M TACAN Only-No Transponder  
 /N TACAN-Transponder-No Altitude Encoding  
 /P TACAN-Transponder-Altitude Encoding  
 /C RNAV-Transponder-No Altitude Encoding  
 /I RNAV-Transponder-Altitude Encoding  
 /R Required Navigational Performance  
 /A DME-Transponder-Altitude Encoding

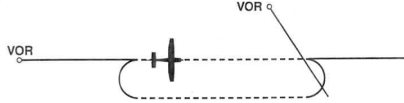
CLOSE VFR FLIGHT PLAN WITH \_\_\_\_\_ FSS ON ARRIVAL

- |   |          |                |
|---|----------|----------------|
| A | Alfa     | (AL-FAH)       |
| B | Bravo    | (BRAH-VOH)     |
| C | Charlie  | (CHAR-LEE)     |
| D | Delta    | (DELL-TAH)     |
| E | Echo     | (ECK-OH)       |
| F | Foxtrot  | (FOKS-TROT)    |
| G | Golf     | (GOLF)         |
| H | Hotel    | (HOH-TEL)      |
| I | India    | (IN-DEE-AH)    |
| J | Juliett  | (JEW-LEE-ETT)  |
| K | Kilo     | (KEY-LOH)      |
| L | Lima     | (LEE-MAH)      |
| M | Mike     | (MIKE)         |
| N | November | (NO-VEM-BER)   |
| O | Oscar    | (OSS-CAH)      |
| P | Papa     | (PAH-PAH)      |
| Q | Quebec   | (KEH-BECK)     |
| R | Romeo    | (ROW-ME-OH)    |
| S | Sierra   | (SEE-AIR-RAH)  |
| T | Tango    | (TANG-GO)      |
| U | Uniform  | (YOU-NEE-FORM) |
| V | Victor   | (VIK-TAH)      |
| W | Whiskey  | (WISS-KEY)     |
| X | Xray     | (EOKS-RAY)     |
| Y | Yankee   | (YANG-KEY)     |
| Z | Zulu     | (ZOO-LOO)      |
- 
- |   |       |          |
|---|-------|----------|
| 1 | One   | (WUN)    |
| 2 | Two   | (TOO)    |
| 3 | Three | (TREE)   |
| 4 | Four  | (FOW-ER) |
| 5 | Five  | (FIFE)   |
| 6 | Six   | (SIX)    |
| 7 | Seven | (SEV-EN) |
| 8 | Eight | (AIT)    |
| 9 | Nine  | (NIN-ER) |
| 0 | Zero  | (ZEE-RO) |

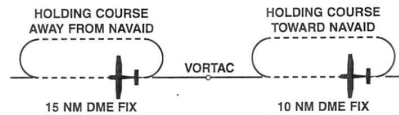
**STANDARD PATTERN**



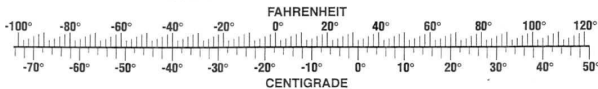
**TYPICAL PROCEDURE AT INTERSECTION OF VOR RADIALS**



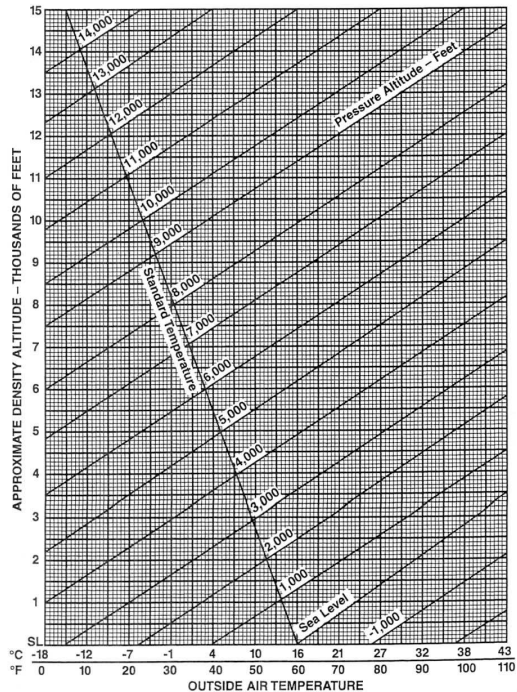
**TYPICAL PROCEDURE AT DME FIX**



**CONVERTING C. and F. TEMPERATURES**



**DENSITY ALTITUDE**



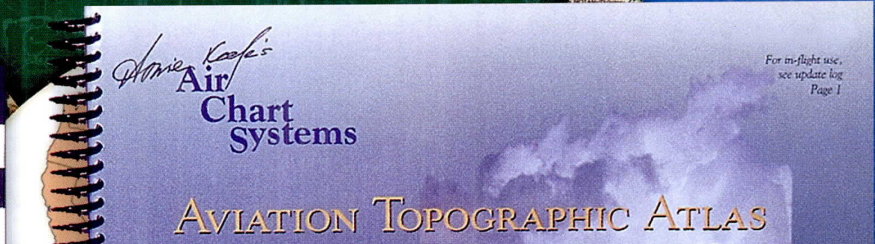
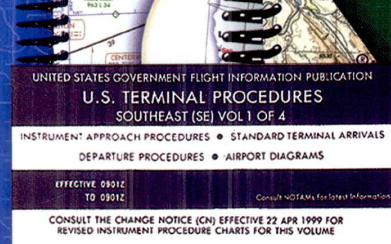
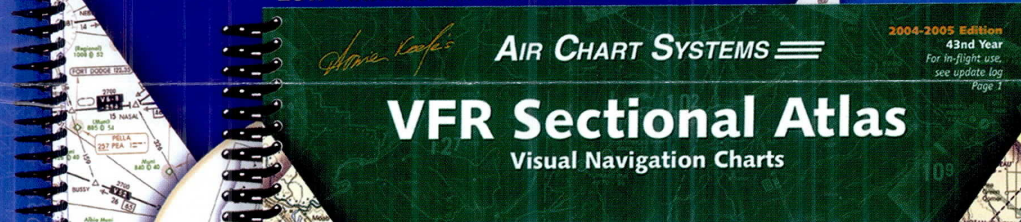


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TABLE OF CONTENT

|   |                    |                               |                     |
|---|--------------------|-------------------------------|---------------------|
| Synoptic Components Table                     | Inside Front Cover | Legend - Standard 1           | Legend - Standard 2 |
| Explanation of Terminal Minimums              | A1                 | Legend - Frequency Channeling | Legend - Radar Min  |
| Index of Terminal Charts and Minimums         | B1                 | Legend - Standard 1           | Legend - Terminal C |
| IFR Takeoff Minimums and Departure Procedures | C1                 | Legend - IORAN TD Table       | Legend - Rate of Cl |
| Rate of Climb Table                           | D1                 | Legend - IAP Profile          | Legend - HI         |
| IFR Alternate Minimums                        | E1                 |                               |                     |
| General Information and Abbreviations         | F1                 |                               |                     |
| Legend - IAP Planview                         | G1                 |                               |                     |
| Legend - IAP Profile                          | H1                 |                               |                     |

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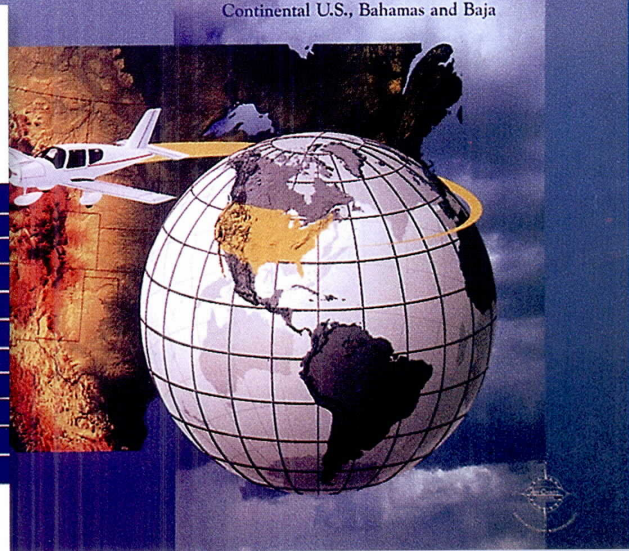
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Aviation's Most Complete Database

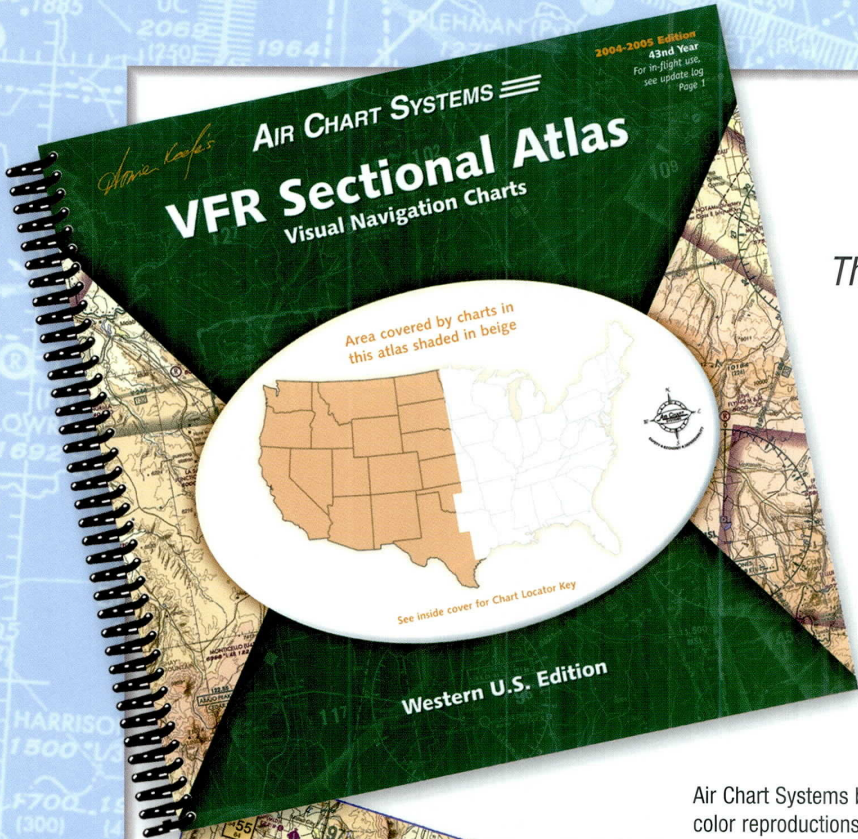
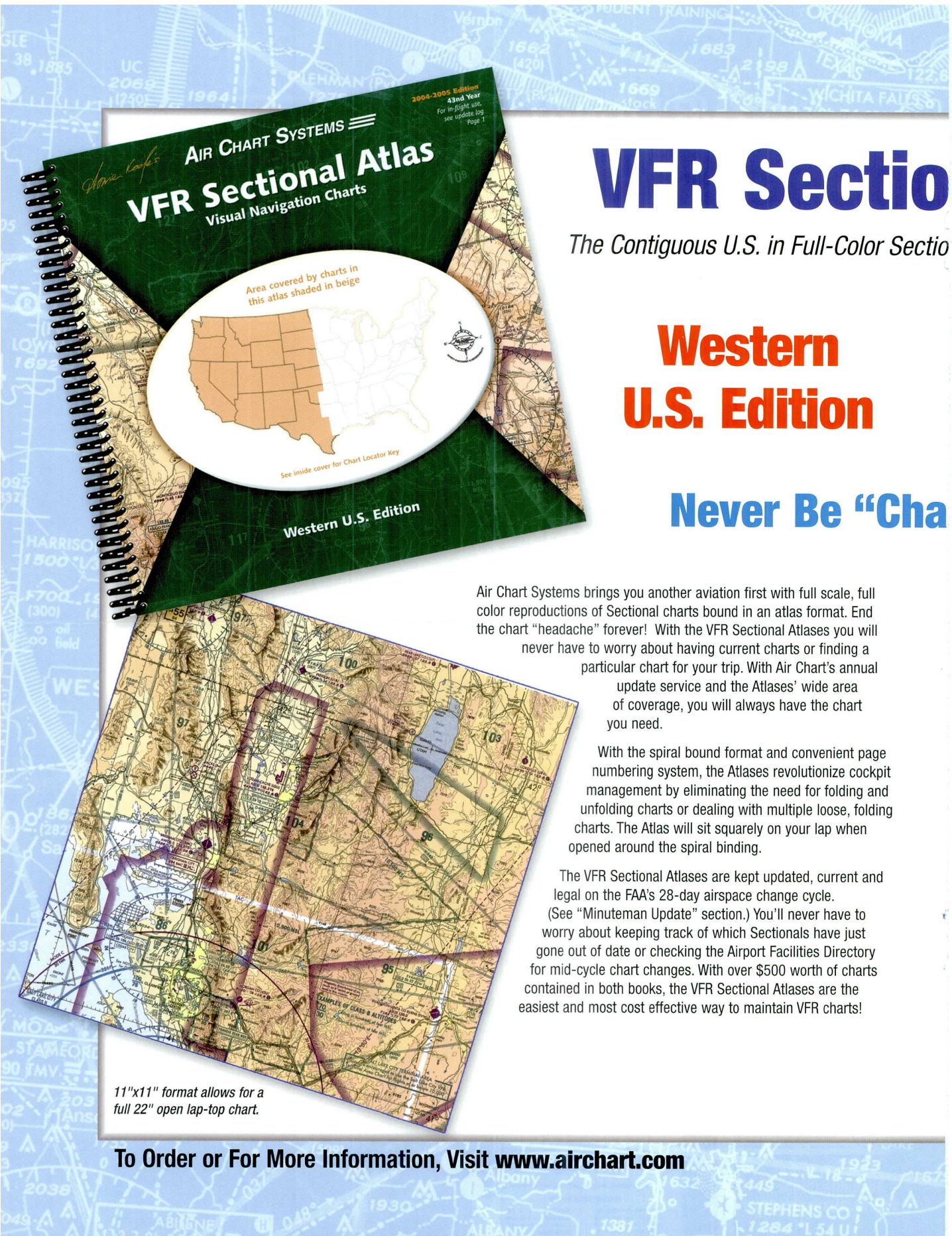
|                                     |     |
|-------------------------------------|-----|
| AM RADIO STATIONS                   | 25  |
| Clear Channel(50K) & Sport Stations | 34  |
| AWOS/ASOS (freq & phone)            | 98  |
| Cross Reference (name to city)      | 35  |
| Decode (Ident to Name)              | 45  |
| ILS data                            | 20  |
| Towers, ATIS, etc                   | 2   |
| Unicom & CTAF (2500+)               | 64  |
| Fixes & Intersections (Low alt)     | 106 |
| NDB (freq, ID, Lat/Lon)             | 13  |
| VOR DECODE (Ident to name)          | 5   |
| VOR (Ident, freq & Lat/Lon)         | 8   |

**OPERATIONS INDEX**

|                          |           |                   |       |
|--------------------------|-----------|-------------------|-------|
| 800 Phone #s             | Opp. pg 1 | Flight Plan       | 135   |
| Air Chart Services       | 136       | Koch Chart        | 128   |
| ARTOC Chart - Back Cover | 137       | LOTRAN Chgtr      | 137   |
| ASOS Key                 | 133       | Morse Code        | 1-135 |
| AWOS Key                 | 132       | Phonetic Alphabet | 1-135 |







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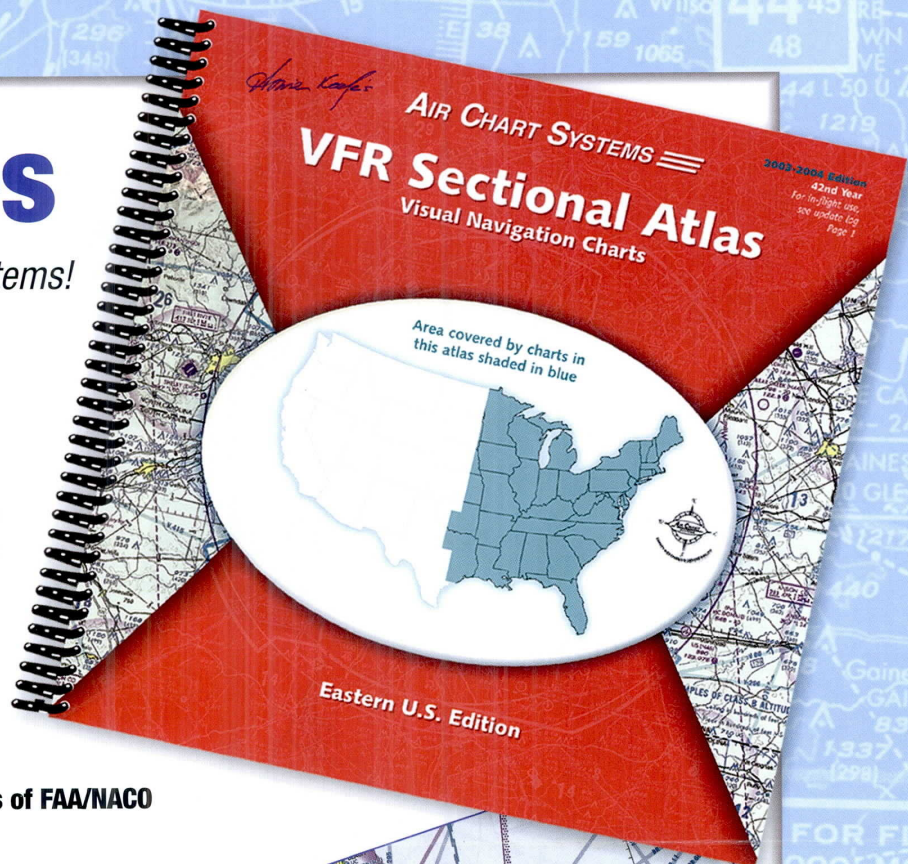
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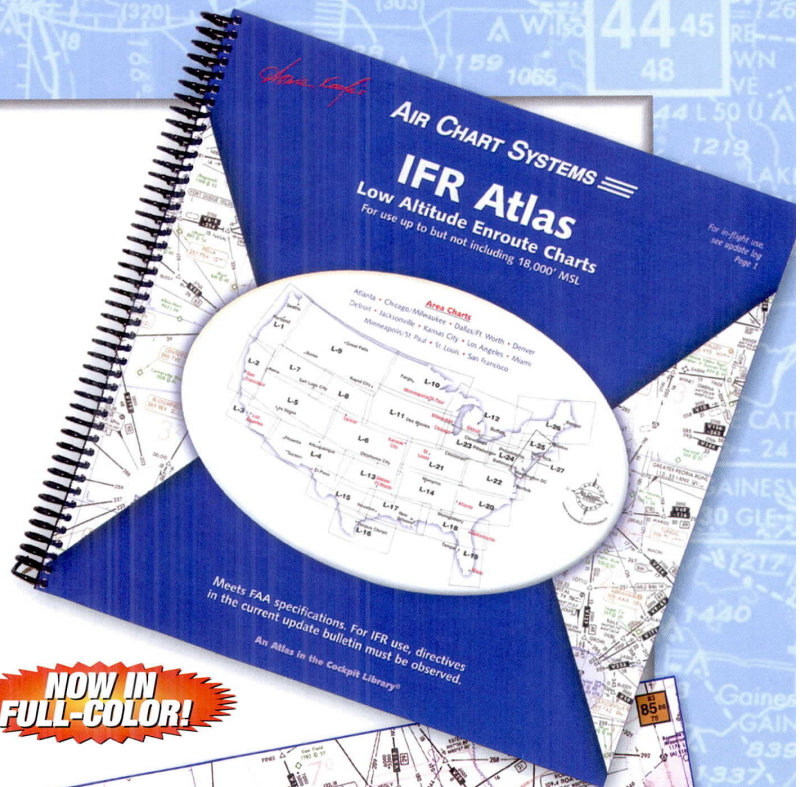
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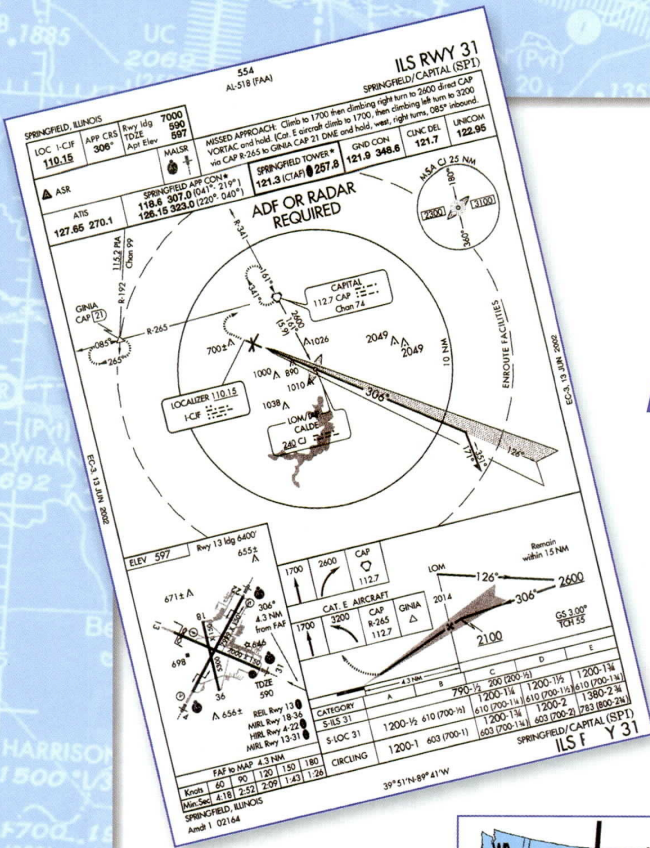
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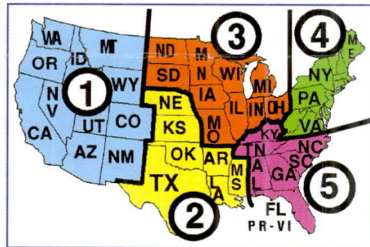
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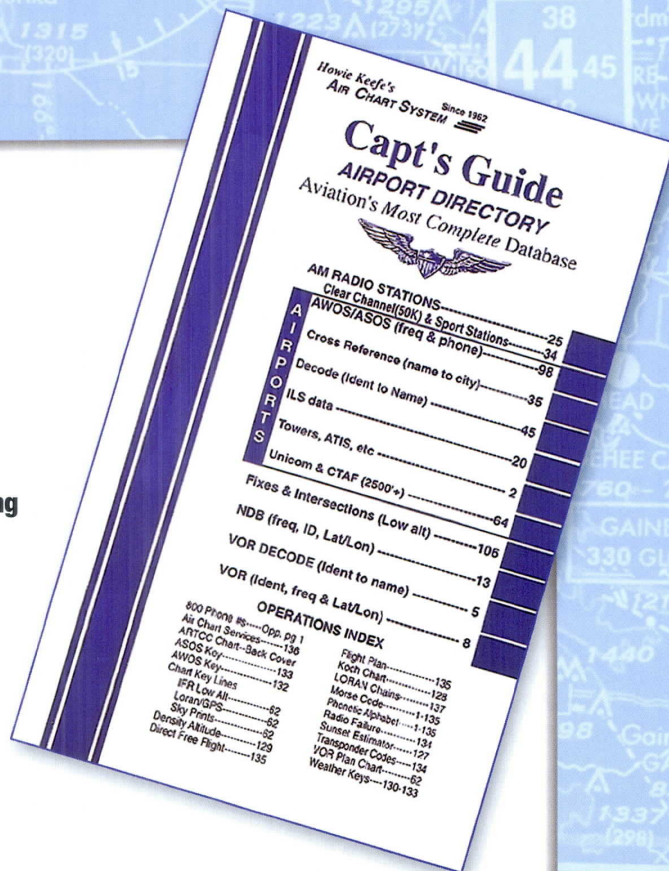
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**The following are actual examples of both Enroute and Approach Updates\*:**

### AIRPORTS • NAVAIDS • FIXES

ALBERMARLE, NC-AC/DC > 128.325☐  
 ATHENS, OH-Univ-Unicom & CTAF > 123.075☐  
 BEAVER ISLAND, MI-New AWOS, freq 118.075☐  
 BLOCK ISLAND, RI (4/18) BID NDB cancelled☐  
 CASSVILLE, MO-CTAF > 123.0☐  
 CHOTEAU, MT-AC/DC > 133.4☐  
 CLINTON, MO-Golden Valley (GLY) NDB is cancelled☐

### AIRWAYS

V35-CROSS CITY 328° (6/13) to GEF cancel MOCA☐  
 V51-ALMA 345° (4/18) to DBN 3000M \*1700☐  
 V93-LANCASTER 223° (4/18) to VINNY 2600 MOCA☐

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TEXAS  
 BONHAM-VOR/DME 17 (4/11-OrigA) MSA 2700☐  
 BROWNSVILLE-VOR/DME RNAV or GPS 17 (3/12-A3A) Si 400☐  
 CLEVELAND-GPS 16 (5/1-OrigB) CLEEP to GNARL 3000M☐  
 HAWXE to DUUPO 2200M☐  
 MCKINNEY-ILS 17 (4/11-A1C) MSA 3800☐  
 ●●GPS 35 (4/11-OrigB) Si 1040☐ MSA 3800☐  
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**\*for explanation of symbols and abbreviations, as well as a full update example, visit our website at [www.airchart.com](http://www.airchart.com)**

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### 4. How are they updated?

Just like NOTAMS – via our update on FAA's change date cycle.

### 5. How often do I update?

Only when you take a trip with our cumulative updater. (See explanation of update on previous page).

### 6. How often are the updates issued?

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