NEW YORK
LEGEND

HUDSON — NORTH

Airports having Control Towers are shown in Blue or Magenta. Consult Chart Supplement for details involving airport lighting, radio communications, and services. Use actual true bearings when using radio aids to navigate.

AIRPORTS

- Other than hard-surfaced runway(s) — Seaplane Base
- Hard-surface runways 1500 ft. to 8pkft. in length
- Hard-surface runways 8000 ft. to 8999 ft. in length; or some multiple runways less than 8000 ft.
- Class A/B airfield (with hard-surface runway(s) 8000 ft. or more in length, or multiple hard-surface runways including three or more 8000 ft. or longer runways); excluding those closed, or shown for navigational reference only. Class B airfield has operating control tower.

ADDITIONAL AIRPORT INFORMATION

- Military — Private — Heliport — Glider — Ultralight — Balloon — Parachute Jumping — Hang Gliding — Landmark — Rotating Beacon — Obstruction Lighted — Unlighted — Airport Traffic Pattern Altitude — Right Traffic Pattern — Left Traffic Pattern — Non-Directional Radio Beacon (NDB) — Control Tower — Flight Service Station — Weather Reporting Station — Segmented Circle — Tetrahedron — Wind Cone — Wind Tee — Wind Indicator — Lighted — Unlighted — Helicopter Alighting Area — Helicopter Only — Helicopter Pad — Helicopter Touchdown Area — Helicopter Traffic Pattern — Helicopter Route — Helicopter Restricted Operations — Helicopter Prohibited Operations

Fuel - available when the FSS (1200-A,A-S,G,G-P,R), approved self-service system, or a fixed operator is not on the airport or is not open. For details and for availability of second 100LL or Jet-A grade fuel, see Chart Supplement.

SS - Airport has sunset and sunrise in operation Sunset to Sunrise.

OBJECTIONABLE - Airport has adversely affect airspace use.

AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Class B Airspace
Class C Airspace
Class D Airspace
Class E Airspace (Surface Area)
Class E Airspace (Floor 700' AGL unless otherwise shown)
Class E Airspace (Floor 1200' AGL unless otherwise shown)
Class E Airspace (Floor 1200' AGL unless otherwise shown) Extends above Class A Airspace
Class E Airspace (Floor 14,500' MSL unless otherwise shown)
Class E Airspace (Floor 18,000' MSL unless otherwise shown)
Class E Airspace (Floor 60,000' MSL unless otherwise shown)
Class E Airspace (Floor 1200' AGL unless otherwise shown) Extends above Class B Airspace
Class E Airspace (Floor 2500' AGL unless otherwise shown) Extends above Class B Airspace
Class E Airspace (Floor 3000' AGL unless otherwise shown) Extends above Class B Airspace
Class E Airspace (Floor 4000' AGL unless otherwise shown) Extends above Class B Airspace
Class E Airspace (Floor 5000' AGL unless otherwise shown) Extends above Class B Airspace
Class E Airspace (Floor 6000' AGL unless otherwise shown) Extends above Class B Airspace
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Class E Airspace (Floor 18,000' MSL unless otherwise shown) Extends above Class C Airspace
Class E Airspace (Floor 60,000' MSL unless otherwise shown) Extends above Class C Airspace
Class E Airspace (Floor 1200' AGL unless otherwise shown) Extends above Class D Airspace
Class E Airspace (Floor 2500' AGL unless otherwise shown) Extends above Class D Airspace
Class E Airspace (Floor 3000' AGL unless otherwise shown) Extends above Class D Airspace
Class E Airspace (Floor 4000' AGL unless otherwise shown) Extends above Class D Airspace
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Class E Airspace (Floor 60,000' MSL unless otherwise shown) Extends above Class E Airspace

CLASS B — Effective hours of operation are published in Section A of the Chart Supplement. Class B airspace is effective 1000 MSL unless otherwise shown. Ceiling and floor altitudes of Class B airspace over altitude Reporting Points are indicated by solid line.

CLASS C — Effective hours of operation are published in Section A of the Chart Supplement. Class C airspace is effective 1200 MSL unless otherwise shown. Ceiling and floor altitudes of Class C airspace over altitude Reporting Points are indicated by solid line.

CLASS D — Effective hours of operation are published in Section A of the Chart Supplement. Class D airspace is effective from the surface unless otherwise shown. Ceiling and floor altitudes of Class D airspace over altitude Reporting Points are indicated by solid line.

CLASS E — Effective hours of operation are published in Section A of the Chart Supplement. Class E airspace is effective from the surface unless otherwise shown. Ceiling and floor altitudes of Class E airspace over altitude Reporting Points are indicated by solid line.

Class E airspace begins at 700' AGL unless otherwise shown.

Class E airspace begins at 1200' AGL unless otherwise shown.

Class E airspace begins at 14,500' MSL unless otherwise shown.

Class E airspace begins at 18,000' MSL unless otherwise shown.

Class E airspace begins at 60,000' MSL unless otherwise shown.

Class E airspace begins at 1200' AGL unless otherwise shown over Class B airspace.

Class E airspace begins at 2500' AGL unless otherwise shown over Class B airspace.

Class E airspace begins at 3000' AGL unless otherwise shown over Class B airspace.

Class E airspace begins at 4000' AGL unless otherwise shown over Class B airspace.

Class E airspace begins at 5000' AGL unless otherwise shown over Class B airspace.

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Class E airspace begins at 18,000' MSL unless otherwise shown over Class B airspace.

Class E airspace begins at 60,000' MSL unless otherwise shown over Class B airspace.

Class E airspace begins at 1200' AGL unless otherwise shown over Class C airspace.

Class E airspace begins at 2500' AGL unless otherwise shown over Class C airspace.

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Class E airspace begins at 60,000' MSL unless otherwise shown over Class C airspace.

Class E airspace begins at 1200' AGL unless otherwise shown over Class D airspace.

Class E airspace begins at 2500' AGL unless otherwise shown over Class D airspace.

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Class E airspace begins at 60,000' MSL unless otherwise shown over Class E airspace.

COMMUNICATION BOXES

- Unicom Indicates
- Unicom Indicates Control Tower Operates Part Time
- Denotes Ham Only Frequency
- ATIS/VOICE
- Information broadcast continuously on a voice channel
- Flight Watch
- Flight Service Station
- Remote Communications Outlet
- Ham Only Frequency

RADIO AIDS TO NAVIGATION

- VOR/DME
- VORTAC
- TACAN
- VOR-DME
- Non-Directional Radio Beacon (NDB)
- NDB-DME

OBSTRUCTIONS

- 1000 ft and higher AGL
- Below 1000 ft AGL
- Group Obstruction
- Wind Turbine
- Elevation of the highest obstacle. Height above ground. Number of obstacles. Lighted obstacle. Group obstruction. Lighted group obstruction. Height above ground. Number of obstacles. Lighted obstacle. Group obstruction. Lighted group obstruction.

MISCELLANEOUS

- Parachute Jumping Area
- Parachute Jumping Area See Supplement
- Hang Glider Activity
- Hang Glider Activity See Supplement
- Aerobatic Practice Area
- Glider Operations
- Intensive Jump Operations
- Ultralight Activity
- Ultralight Activity See Chart Supplement
- Rocket Launch Activity
- Rocket Launch Activity See Supplement
- Marina
- Marina Light

TOPOGRAPHIC INFORMATION

- Power Transmission Line
- Aqueduct
- Radio Tower
- Elevation of Pass
- Elevation Base of Towers

CONTOUR INTERVAL 500 feet
Intermediate contours 250 feet

HIGHEST TERRAIN elevation is 4288 feet located at 44°18'N - 71°18'W

Spot elevation ..... • 4254
Approximate elevation ..... + 4254

4288
3500
3000
2500
2000
1500
1000
500
Sea level

NEW YORK SECTIONAL
SECTIONAL AERONAUTICAL CHART SCALE 1:500,000

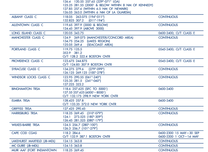
HUDSON — NORTH

Federal Aviation Administration

93RD EDITION EFFECTIVE 0901Z 28 APR 2016
TO 0901Z 10 NOV 2016

Includes airspace amendments effective 31 MAR 2016
and all other aeronautical data received by 3 MAR 2016

Information on this chart will change; consolidated major updates of chart changes are available every 56 days in the CHART SUPPLEMENT Aeronautical Chart Bulletin section online at http://faa.gov/ator/. Also consult section online at http://faa.gov/ator/ NOTICES TO AIRMEN (NOTAMs) and other FLIGHT INFORMATION PUBLICATIONS (FLIPs) for the latest changes.



PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY DEPARTMENT OF DEFENSE / FEDERAL AVIATION ADMINISTRATION

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

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SECXXNEWYORK

DOD UPC 16119

PLOTTING DIRECT ROUTE ON NORTH/SOUTH SIDE

There are approximately ten minutes of latitude overlap between the north and south sides of each sectional chart. Use the MATCH LINE on the north side of the chart to plot routes that cross over part of corresponding latitude line. Again, you will find the MATCH LINE on the south side of the chart also follows the unique below.

STEP 1 – Draw a horizontal line (MATCH LINE) connecting the two closest points where the route crosses the north or south side of the chart (use the side of the chart that is closest to the route). (Figure 1)

STEP 2 – Denote which side of the chart has the destination or departure point (POINT A). Make a mark on the chart, OFF that side, that is a reasonable distance away along the MATCH LINE (the paper should be clear of the chart). Label this mark POINT B. (Figure 1)

STEP 3 – Slide the paper (straight edge) up or down so that a side edge of the paper aligns with the destination or departure point (POINT A) and the MATCH LINE mark on the chart. (Figure 2)

STEP 4 – Without moving the paper, on the same side of the chart as POINT A, make a mark on the paper at the corner of the paper where it meets the MATCH LINE mark. Label this mark LINE A. (Figure 2)

STEP 5 – Turn the chart over and transfer the end of LINE A to the MATCH LINE mark. Extend a straight line from that mark to the edge of the chart.

STEP 6 – Label the chart edge where LINE A ends as MARK A. (Figure 3)

STEP 7 – Return to the destination or departure point (POINT A) on the chart. Using a straight edge, draw a line from POINT A to MARK A. (Figure 3)

STEP 8 – Using a protractor or navigation computer, measure the angle of LINE A from the MATCH LINE. (Figure 3)

STEP 9 – Return to the paper and align the straight edge with POINT A and MARK A. Draw a line from POINT A to the MATCH LINE. (Figure 4)

STEP 10 – Measure the angle of LINE B from the MATCH LINE. (Figure 4)

STEP 11 – Subtract the angle of LINE A from the angle of LINE B. This is the course to fly from POINT A to the destination or departure point. (Figure 4)

CONTROL TOWER FREQUENCIES ON NEW YORK SECTIONAL CHART

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF local control frequency. Where operations are continuous, the letters H24 follow the frequency. Where hours of operation are less than continuous, the control frequencies are listed. An asterisk (*) indicates the part-time tower frequency is received by a collocated full-time FSS for use as a remote communications outlet. Consult the Chart Supplement for specific hours of operation.

Automatic Terminal Information Service (ATIS) frequencies shown on the face of the chart and primary tower/ VHF/UHF/Approach/Departure frequencies are listed in order of priority. Consult the Chart Supplement for other frequencies you may utilize that have operational hours.

"ATIS-H" indicates Hourly through Friday.
"ATIS-D" indicates Daily.

CONTROL TOWERS	AIRPORT(S)	TWR FREQ	ARR CON	ATIS	ASR/PAR
ALBANY INTL	CONTINUOUS	119.0 257.8	127.1 346.6	135.45	
ALBANY-SHAKER	0600-2200	119.0 257.8	119.0 346.6	135.45	
ALBANY-TOLLAND					
BIGGS	0700-2100 *2.1 346.-	123.3	121.4	119.2	
	2101-0659 *2.1 346.-				
CAPE	0700-2100 *2.1 346.-	123.3	121.4	119.2	
	2101-0659 *2.1 346.-				
BINGHAMTON	CONTINUOUS	120.7 257.8	127.9 346.6	135.15	
CAMP DAVID	0700-2300	122.8 257.8	127.9 346.6	135.15	
CANANDAIGUA	0700-2100	123.7 257.8	127.9 346.6	135.15	
CHARLOTTE	0700-2100	118.3 257.8	127.9 346.6	135.15	
CHARLOTTESVILLE-ALBEMARL