

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ACOVE **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 421405.22N/0740154.59W **TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC<br>NM | FEET | MRA  | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-------|---------------------|------|------|-------|
| 1   | DELANCEY | DNY   | VOR/DME | L     | 095.99  | 084.99   | 41.39 | 41.39               |      | 8000 | 17500 |
| 2   | ALBANY   | ALB   | VORTAC  | L     | 211.35  | 198.35   | 32.37 | 32.37               |      | 8000 | 45000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| ALB       | VORTAC   | R-211          | 33       | 18000        | 45000        |
| DNY       | VOR/DME  | R-096          | 42       | 8000         | 17500        |

**FIX RESTRICTIONS:**

MRA V270 8000

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME | DME | HOLDING ALTITUDES<br>MIN | MAX   | TEMPLATES<br>MIN | MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|--------------------|-----|--------------------------|-------|------------------|-----|
| 1   | NE  | ALB   | VORTAC | 031.35      | 211.35         | R                | 1                  |     | 8000                     | 23000 | 10               | 21  |
| 2   | NE  |       | WP     | 031.20      | 211.20         | R                |                    | 10  | 17000                    | 38000 | 17               | 27  |
| 3   | NE  | ALB   | VORTAC | 031.35      | 211.35         | R                |                    | 10  | 8000                     | 17000 | 14               | 21  |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 421618.30N/0740714.10W | 4190      | 6C            |
| 2   | 265      | AAO         | 421039.00N/0741351.00W | 4262      | 4E            |
| 3   | 230      | AAO         | 421039.00N/0741351.00W | 4262      | 4E            |

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**REMARKS:**

DELANCEY (FAC 1) AND ALBANY (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITIOUS TERRAIN EVALUATION COMPLETED.  
 PAT 3: ATC REQUESTED 10 NM LEG LENGTH, MIN TEMPLATE 14 CHOSEN TO EMCOMPASS LEG LENGTH.

**FIX USE:**

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|--------------|------|-----|---------------|--------|---------|
| DP       | ALBANY       |      |     | KALB          | ALBANY | NY (US) |
| EN ROUTE | J6           | 2    | 1   |               |        | (US)    |
| EN ROUTE | V213         | 1, 2 | 1   |               |        | (US)    |
| EN ROUTE | V270         | 1, 2 |     |               |        | (US)    |
| STAR     | FLOSI (RNAV) |      | 2   | KEWR          | NEWARK | NJ (US) |
| STAR     | SHAFF        | 1, 2 | 3   | KEWR          | NEWARK | NJ (US) |

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 16 **DATE OF REVISION:** 12/02/2021

**REASON FOR REVISION:**

- FIX MAKE-UP FACILITIES: CHANGED FAC 1 (DNY) MRA FROM 6300 TO 8000.
- ESV: CHANGED FAC 1 MIN ALTITUDE FROM 6000 TO 8000 AND MAX FROM 18000 TO 17500.
- HOLDING: PAT 1: CHANGED LEG LENGTH FROM 1-1 1/2 TO 1.
- FIX RESTRICTION: ADDED MRA ALTITUDE OF 8000 TO V270.
- REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH AND CONTROLLER LOW.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A413 **NAME:** SCOTT BAGENSIE

**APPROVED BY:** **DATE:** 03/05/2021 **OFFICE:** AJV-A410 **NAME:** JULIE MORGAN

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** AGNEZ **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6  
**LATITUDE/LONGITUDE:** 421332.71N/0741118.75W **TYPE:** WP, INT, DME  
**AIRSPACE DOCKET:** 21-AEA-18 **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FAC FEET | MRA   | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-------|------------------|----------|-------|-------|
| 1   | ALBANY   | ALB   | VORTAC  | L     | 221.80  | 208.80   | 35.65 | 36.65            |          | 15000 | 17500 |
| 2   | DELANCEY | DNY   | VOR/DME | L     | 095.99  | 084.99   |       | 34.38            |          | 6300  | 17500 |

**FIX RESTRICTIONS:**

MRA V489 15000  
MCA V489 15000 NORTHEAST BOUND  
MCA V489 15000 SOUTHWEST BOUND

**REMARKS:**

CHART SECTIONAL ATC REQUEST.

**FIX USE:**

| USE TYPE | USE TITLE         | FAC  | PAT | AIRPORT IDENT | CITY            | STATE   |
|----------|-------------------|------|-----|---------------|-----------------|---------|
| DP       | ALBANY            |      |     | KALB          | ALBANY          | NY (US) |
| EN ROUTE | T299              |      |     |               |                 | (US)    |
| EN ROUTE | V270              | 1, 2 |     |               |                 | (US)    |
| EN ROUTE | V489              | 1, 2 |     |               |                 | (US)    |
| IAP      | RNAV (GPS) RWY 19 |      |     | K4B0          | SOUTH BETHLEHEM | NY (US) |

**REQUIRED CHARTING:** SECTIONAL, DP, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 09/08/2022

**REASON FOR REVISION:**

AIRSPACE DOCKET: ADD 21-AEA-18.  
FIX TYPE: ADD WP.  
REMARKS: ADD CHART SECTIONAL ATC REQUEST.  
FIX USE: ADD T299.  
REQUIRED CHARTING: ADD SECTIONAL.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A423 **NAME:** LEE STUCKEY  
**APPROVED BY:** **DATE:** 09/08/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON  
**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALBANY VORTAC

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424450.21N/0734811.46W

TYPE:

AIRSPACE DOCKET: 21-AEA-18

FIX TYPE OF ACTION: NO CHANGE

### FIX MAKE-UP FACILITIES:

| FAC | NAME   | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA   |
|-----|--------|-------|--------|-------|---------|----------|-----|------------------|------|-----|-------|
| 1   | ALBANY | ALB   | VORTAC | L     |         |          |     |                  |      |     | 17500 |

### FIX RESTRICTIONS:

- MCA V91 9700 SOUTHBOUND
- MCA V489 13300 SOUTHWEST BOUND
- MCA V44 6000 SOUTHBOUND
- MCA V157 6000 SOUTHBOUND
- MCA V123 6000 SOUTHBOUND

### HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

### PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1   | W   | ALB   | VORTAC | 283.00      | 103.00      | R             | 1                   | 4000 6000                 | 4 5               |

### CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 424330.00N/0740115.00W | 821       | 4E            |

### HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

### REMARKS:

- PRECIPITOUS TERRAIN EVALUATION COMPLETED
- ALB MAGNETIC VARIATION W13/1980
- CHART SECTIONAL ATC REQUEST.

### FIX USE:

| USE TYPE | USE TITLE             | FAC | PAT | AIRPORT IDENT | CITY             | STATE   |
|----------|-----------------------|-----|-----|---------------|------------------|---------|
| DP       | BANGOR                |     |     | KBGR          | BANGOR           | ME (US) |
| DP       | ALBANY                |     |     | KALB          | ALBANY           | NY (US) |
| DP       | BURLINGTON            |     |     | KBTV          | BURLINGTON       | VT (US) |
| EN ROUTE | J190                  |     |     |               |                  | (US)    |
| EN ROUTE | J49                   |     |     |               |                  | (US)    |
| EN ROUTE | J563                  |     |     |               |                  | (US)    |
| EN ROUTE | J6                    |     |     |               |                  | (US)    |
| EN ROUTE | Q82                   |     |     |               |                  | (US)    |
| EN ROUTE | Q935                  |     |     |               |                  | (US)    |
| EN ROUTE | T291                  |     |     |               |                  | (US)    |
| EN ROUTE | T299                  |     |     |               |                  | (US)    |
| EN ROUTE | T300                  |     |     |               |                  | (US)    |
| EN ROUTE | T608                  |     |     |               |                  | (US)    |
| EN ROUTE | V123                  |     |     |               |                  | (US)    |
| EN ROUTE | V146                  |     |     |               |                  | (US)    |
| EN ROUTE | V157                  |     |     |               |                  | (US)    |
| EN ROUTE | V213                  |     |     |               |                  | (US)    |
| EN ROUTE | V44                   |     |     |               |                  | (US)    |
| EN ROUTE | V489                  |     |     |               |                  | (US)    |
| EN ROUTE | V91                   |     |     |               |                  | (US)    |
| IAP      | ILS OR LOC RWY 1      |     |     | KALB          | ALBANY           | NY (US) |
| IAP      | ILS OR LOC RWY 19     |     |     | KALB          | ALBANY           | NY (US) |
| IAP      | ILS RWY 1 (SA CAT II) |     |     | KALB          | ALBANY           | NY (US) |
| IAP      | VOR RWY 28            |     | 1   | KALB          | ALBANY           | NY (US) |
| IAP      | RNAV (GPS) RWY 5      |     |     | 5B2           | SARATOGA SPRINGS | NY (US) |
| IAP      | ILS OR LOC RWY 4      |     | 1   | KSCH          | SCHENECTADY      | NY (US) |
| IAP      | NDB RWY 22            |     |     | KSCH          | SCHENECTADY      | NY (US) |
| IAP      | RNAV (GPS) RWY 28     |     |     | KSCH          | SCHENECTADY      | NY (US) |
| IAP      | RNAV (GPS) RWY 4      |     |     | KSCH          | SCHENECTADY      | NY (US) |
| STAR     | BRIDGEPORT            |     |     | KBDR          | BRIDGEPORT       | CT (US) |
| STAR     | DENNA                 |     |     | KBDR          | BRIDGEPORT       | CT (US) |
| STAR     | NOBBI                 |     |     | KDXR          | DANBURY          | CT (US) |
| STAR     | VALRE                 |     |     | KDXR          | DANBURY          | CT (US) |
| STAR     | STELA                 |     |     | KHFD          | HARTFORD         | CT (US) |
| STAR     | BRIDGEPORT            |     |     | KHVN          | NEW HAVEN        | CT (US) |
| STAR     | DENNA                 |     |     | KHVN          | NEW HAVEN        | CT (US) |
| STAR     | BRIDGEPORT            |     |     | KOXC          | OXFORD           | CT (US) |
| STAR     | DENNA                 |     |     | KOXC          | OXFORD           | CT (US) |
| STAR     | STELA                 |     |     | KBDL          | WINDSOR LOCKS    | CT (US) |
| STAR     | HYPER (RNAV)          |     |     | KHEF          | WASHINGTON       | DC (US) |
| STAR     | HYPER (RNAV)          |     |     | KIAD          | WASHINGTON       | DC (US) |
| STAR     | GARDNER               |     |     | KBOS          | BOSTON           | MA (US) |

|      |              |      |                       |         |
|------|--------------|------|-----------------------|---------|
| STAR | WIPOR (RNAV) | KEWB | NEW BEDFORD           | MA (US) |
| STAR | STELA        | KCEF | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR | STELA        | KBAF | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR | STELA        | KORH | WORCESTER             | MA (US) |
| STAR | FLOSI (RNAV) | KEWR | NEWARK                | NJ (US) |
| STAR | SHAFF        | KEWR | NEWARK                | NJ (US) |
| STAR | PAWLING      | KFRG | FARMINGDALE           | NY (US) |
| STAR | LOVES        | KISP | NEW YORK              | NY (US) |
| STAR | NELIE (RNAV) | KISP | NEW YORK              | NY (US) |
| STAR | PAWLING      | KJFK | NEW YORK              | NY (US) |
| STAR | HAARP        | KLGA | NEW YORK              | NY (US) |
| STAR | NOBBI        | KLGA | NEW YORK              | NY (US) |
| STAR | NELIE (RNAV) | KFOK | WESTHAMPTON BEACH     | NY (US) |
| STAR | NOBBI        | KHPN | WHITE PLAINS          | NY (US) |
| STAR | VALRE        | KHPN | WHITE PLAINS          | NY (US) |
| STAR | WIPOR (RNAV) | KUUU | NEWPORT               | RI (US) |
| STAR | WIPOR (RNAV) | KOQU | NORTH KINGSTOWN       | RI (US) |
| STAR | WIPOR (RNAV) | KSFZ | PAWTUCKET             | RI (US) |
| STAR | WIPOR (RNAV) | KPVD | PROVIDENCE            | RI (US) |
| STAR | HYPER (RNAV) | KCJR | CULPEPER              | VA (US) |
| STAR | HYPER (RNAV) | KEZF | FREDERICKSBURG        | VA (US) |
| STAR | HYPER (RNAV) | KFRR | FRONT ROYAL           | VA (US) |
| STAR | HYPER (RNAV) | KJYO | LEESBURG              | VA (US) |
| STAR | HYPER (RNAV) | KNYG | QUANTICO              | VA (US) |
| STAR | HYPER (RNAV) | KRMN | STAFFORD              | VA (US) |
| STAR | HYPER (RNAV) | KHWY | WARRENTON             | VA (US) |
| STAR | HYPER (RNAV) | KOKV | WINCHESTER            | VA (US) |
| STAR | HYPER (RNAV) | KMRB | MARTINSBURG           | WV (US) |

**REQUIRED CHARTING:** SECTIONAL, DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 24

**DATE OF REVISION:** 09/08/2022

**REASON FOR REVISION:**

AIRSPACE DOCKET: ADD 21-AEA-18.

REMARKS: ADD CHART SECTIONAL ATC REQUEST.

FIX USE: ADD T299.

REQUIRED CHARTING: ADD SECTIONAL.

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A423                      **NAME:** LEE STUCKEY

**APPROVED BY:**                      **DATE:** 09/08/2022                      **OFFICE:** AJV-A420                      **NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: ATHOS STATE: NY COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 421449.49N/0734843.56W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

### FIX MAKE-UP FACILITIES:

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FEET | MRA   | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-------|------------------|------|-------|-------|
| 1   | CHESTER  | CTR   | VOR/DME | L     | 279.34  | 266.34   | 38.52 | 38.52            |      | 3000  | 17500 |
| 2   | PAWLING  | PWL   | VOR/DME | L     | 353.78  | 341.78   | 30.15 | 30.15            |      | 3100  | 17500 |
| 3   | ALBANY   | ALB   | VORTAC  | L     | 193.76  | 180.76   | 30.00 | 30.00            |      | 8000  | 45000 |
| 4   | ROCKDALE | RKA   | VOR/DME | L     | 112.22  | 101.22   |       | 64.83            |      | 11000 | 17500 |

### EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| RKA       | VOR/DME  | R-112          | 65       | 11000        | 17500        |
| ALB       | VORTAC   | R-194          | 30       | 18000        | 45000        |

### FIX RESTRICTIONS:

MCA V44 8000 NORTHBOUND  
MCA V270 6000 WESTBOUND

HOLDING: HOLDING TYPE OF ACTION: MODIFY

### PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1   | N   | ALB   | VORTAC | 193.76      | 193.76      | L             | 1                   | 8000 17500                | 10 18             |

### CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 421112.00N/0733942.00W | 1211      | 4E            |

### REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC USE.

### HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

### REMARKS:

CHESTER (FAC 1) AND PAWLING (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATED.

### FIX USE:

| USE TYPE | USE TITLE          | FAC     | PAT | AIRPORT IDENT | CITY         | STATE   |
|----------|--------------------|---------|-----|---------------|--------------|---------|
| DP       | ALBANY             |         |     | KALB          | ALBANY       | NY (US) |
| EN ROUTE | J37                | 3       |     |               |              | (US)    |
| EN ROUTE | V123               | 1, 3    |     |               |              | (US)    |
| EN ROUTE | V157               | 1, 3    |     |               |              | (US)    |
| EN ROUTE | V270               | 1, 2    |     |               |              | (US)    |
| EN ROUTE | V44                | 1, 2, 3 |     |               |              | (US)    |
| IAP      | RNAV (GPS) Y RWY 1 |         |     | KALB          | ALBANY       | NY (US) |
| STAR     | BRIDGEPORT         | 1, 3    |     | KBDR          | BRIDGEPORT   | CT (US) |
| STAR     | DENNA              | 1, 3    |     | KBDR          | BRIDGEPORT   | CT (US) |
| STAR     | VALRE              | 1, 3    |     | KDXR          | DANBURY      | CT (US) |
| STAR     | BRIDGEPORT         | 1, 3    |     | KHVN          | NEW HAVEN    | CT (US) |
| STAR     | DENNA              | 1, 3    |     | KHVN          | NEW HAVEN    | CT (US) |
| STAR     | BRIDGEPORT         | 1, 3    |     | KOXC          | OXFORD       | CT (US) |
| STAR     | DENNA              | 1, 3    |     | KOXC          | OXFORD       | CT (US) |
| STAR     | PAWLING            | 1, 3, 4 |     | KFRG          | FARMINGDALE  | NY (US) |
| STAR     | LOVES              | 1, 3    |     | KISP          | NEW YORK     | NY (US) |
| STAR     | PAWLING            | 1, 3, 4 |     | KJFK          | NEW YORK     | NY (US) |
| STAR     | VALRE              | 1, 3    |     | KHPN          | WHITE PLAINS | NY (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

- 1. ESV: ADDED FAC 3 (ALB) INFORMATION.
- 2. RESTRICTIONS: ADDED MCA FOR V270 WESTBOUND.
- 3. HOLDING: CHANGED PAT 1 LEG LENGTH FROM 1-1/2 TO 1.
- 4. REMARKS: DELETED NOTES FOR RKA VOR/DME USE AND ALB ESV INFORMATION.
- 5. FIX USE: ADDED FAC 2 (PWL) TO V44, ADDED FAC 4 (RKA) TO PAWLING STAR AT KJFK/KFRG, ADDED DENNA/BRIDGEPORT STAR TO KOXC AND KHVN AIRPORTS.
- 6. REQUIRED CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.

05/11/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/23/2020.

- 1. FIX MAKE-UP FACILITIES: CHANGED FAC 4 (RKA) DIST FROM FAC FROM 64.84 TO 64.83.
- 2. ESV: CHANGED FAC 4 DIST FROM 66 TO 65.

|  |                         |                         |                             |
|--|-------------------------|-------------------------|-----------------------------|
| <b>INITIATED BY:</b>                     | <b>DATE:</b>            | <b>ORGANIZATION:</b>    | <b>NAME:</b>                |
| <b>OFFICE OF PRIMARY RESPONSIBILITY:</b> |                         | AJV-A413                | <b>NAME:</b> SCOTT BAGENSIE |
| <b>APPROVED BY:</b>                      | <b>DATE:</b> 03/05/2021 | <b>OFFICE:</b> AJV-A410 | <b>NAME:</b> JULIE MORGAN   |
|  | <b>SIGNATURE:</b>       |                         |                             |

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BURLINGTON VOR/DME                      **STATE:** VT                      **COUNTRY:** US                      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 442349.58N/0731057.49W                      **TYPE:**

**AIRSPACE DOCKET:** 20-AEA-10                      **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME       | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|------------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | BURLINGTON | BTV   | VOR/DME | L     |         |          |     |                          |     | 17500 |

**HOLDING:**                      **HOLDING TYPE OF ACTION:** NO CHANGE

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME DME | HOLDING ALTITUDES MIN MAX | TEMPLATES MIN MAX |
|-----|-----|-------|---------|-------------|-------------|---------------|---------------------|---------------------------|-------------------|
| 1   | SW  | BTV   | VOR/DME | 216.00      | 036.00      | L             | 1                   | 2800 8000                 | 8 10              |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 441739.00N/0732527.00W | 1365      | 4E            |
| 1   | 310      | AAO         | 442115.00N/0730321.00W | 1739      | 4E            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 TERRAIN AVOIDANCE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

| PAT | PROCEDURE TITLE   | AIRPORT IDENT | CITY       | STATE   |
|-----|-------------------|---------------|------------|---------|
| 1   | ILS OR LOC RWY 33 | KBTV          | BURLINGTON | VT (US) |

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
265K PATTERN EVALUATED FOR MILITARY USE.  
MAGVAR: 15W/2005.

**FIX USE:**

| USE TYPE | USE TITLE             | FAC | PAT | AIRPORT IDENT | CITY             | STATE   |
|----------|-----------------------|-----|-----|---------------|------------------|---------|
| DP       | BANGOR                |     |     | KBGR          | BANGOR           | ME (US) |
| DP       | PORTLAND              |     |     | KPWM          | PORTLAND         | ME (US) |
| DP       | ALBANY                |     |     | KALB          | ALBANY           | NY (US) |
| DP       | BURLINGTON            |     |     | KBTV          | BURLINGTON       | VT (US) |
| EN ROUTE | T315                  |     |     |               |                  | (US)    |
| EN ROUTE | T393                  |     |     |               |                  | (US)    |
| EN ROUTE | V487                  |     |     |               |                  | (US)    |
| IAP      | ILS OR LOC RWY 35     |     |     | KPBG          | PLATTSBURGH      | NY (US) |
| IAP      | RNAV (GPS) RWY 17     |     |     | KPBG          | PLATTSBURGH      | NY (US) |
| IAP      | RNAV (GPS) RWY 35     |     |     | KPBG          | PLATTSBURGH      | NY (US) |
| IAP      | ILS OR LOC RWY 23     |     |     | KSLK          | SARANAC LAKE     | NY (US) |
| IAP      | ILS OR LOC RWY 17     |     |     | KMPV          | BARRE/MONTPELIER | VT (US) |
| IAP      | RNAV (GPS) RWY 17     |     |     | KMPV          | BARRE/MONTPELIER | VT (US) |
| IAP      | RNAV (GPS) RWY 35     |     |     | KMPV          | BARRE/MONTPELIER | VT (US) |
| IAP      | ILS OR LOC RWY 15     |     |     | KBTV          | BURLINGTON       | VT (US) |
| IAP      | ILS OR LOC RWY 33     |     | 1   | KBTV          | BURLINGTON       | VT (US) |
| IAP      | VOR RWY 1             |     |     | KBTV          | BURLINGTON       | VT (US) |
| IAP      | RNAV (GPS) RWY 1      |     |     | KFSO          | HIGHGATE         | VT (US) |
| IAP      | VOR RWY 19            |     |     | KFSO          | HIGHGATE         | VT (US) |
| IAP      | ILS Y OR LOC Y RWY 19 |     |     | KRUT          | RUTLAND          | VT (US) |
| IAP      | ILS Z OR LOC Z RWY 19 |     |     | KRUT          | RUTLAND          | VT (US) |
| IAP      | RNAV (GPS) Y RWY 19   |     |     | KRUT          | RUTLAND          | VT (US) |
| IAP      | RNAV (GPS) Z RWY 19   |     |     | KRUT          | RUTLAND          | VT (US) |

**REQUIRED CHARTING:** DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 25                      **DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

AIRSPACE DOCKET: CHANGED 19-ANE-8 TO 20-AEA-10.  
FIX RESTRICTIONS: REMOVED MCA V229.  
FIX USE: ADDED T315 AND REMOVED V229.

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A423                      **NAME:** BARRY SMITH

**APPROVED BY:**

**DATE:** 06/17/2021

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** EST  
**ARTCC:** ZBW  
**ATC FACILITY:** BTV APP CON  
**OTHER:**



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CANAN **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6  
**LATITUDE/LONGITUDE:** 422934.22N/0732648.07W **TYPE:** WP, INT, DME  
**AIRSPACE DOCKET:** 20-AEA-10 **FIX TYPE OF ACTION:** NO CHANGE

## FIX MAKE-UP FACILITIES:

| FAC | NAME      | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FEET | MRA   | MAA   |
|-----|-----------|-------|---------|-------|---------|----------|-------|------------------|------|-------|-------|
| 1   | ALBANY    | ALB   | VORTAC  | L     | 146.90  | 133.90   | 21.96 | 21.96            |      | 6000  | 17500 |
| 2   | CAMBRIDGE | CAM   | VOR/DME | L     | 202.62  | 188.62   | 30.42 | 30.42            |      | 5000  | 17500 |
| 3   | ROCKDALE  | RKA   | VOR/DME | L     | 099.25  | 088.25   | 79.60 | 79.60            |      | 11000 | 17500 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| RKA       | VOR/DME  | R-099          | 80       | 11000        | 17500        |

## FIX RESTRICTIONS:

MCA T300 3600 SOUTHEAST BOUND

## REMARKS:

ALBANY (FAC 1) AND CAMBRIDGE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE          | FAC     | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|--------------------|---------|-----|---------------|-----------------------|---------|
| DP       | ALBANY             |         |     | KALB          | ALBANY                | NY (US) |
| EN ROUTE | T300               |         |     |               |                       | (US)    |
| EN ROUTE | V487               | 1, 2    |     |               |                       | (US)    |
| IAP      | RNAV (GPS) RWY 28  |         |     | KALB          | ALBANY                | NY (US) |
| IAP      | RNAV (GPS) Y RWY 1 |         |     | KALB          | ALBANY                | NY (US) |
| STAR     | STELA              | 1, 2, 3 |     | KHFD          | HARTFORD              | CT (US) |
| STAR     | STELA              | 1, 2, 3 |     | KBDL          | WINDSOR LOCKS         | CT (US) |
| STAR     | STELA              | 1, 2, 3 |     | KCEF          | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR     | STELA              | 1, 2, 3 |     | KBAF          | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR     | STELA              | 1, 2, 3 |     | KORH          | WORCESTER             | MA (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8

**DATE OF REVISION:** 06/17/2021

## REASON FOR REVISION:

REMOVED FIX USE: ENROUTE V203.  
CHANGED AIRSPACE DOCKET FROM 19-ANE-5 TO 20-AEA-10.  
REMOVED NY FROM FIX USE ENROUTE V487.  
REMOVED RQUIRED CHARTING: MILITARY IAP.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A422 **NAME:** JOSHUA DUGAN

**APPROVED BY:** **DATE:** 02/22/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: ALB APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CEDOR **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6  
**LATITUDE/LONGITUDE:** 424446.16N/0741830.14W **TYPE:** WP, INT, DME  
**AIRSPACE DOCKET:** 20-AEA-10 **FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | MRA  | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1   | ALBANY   | ALB   | VORTAC  | L     | 283.00  | 270.00   | 22.33 | 22.33            | 3600 | 17500 |
| 2   | DELANCEY | DNY   | VOR/DME | L     | 051.00  | 040.00   | 44.61 | 44.61            | 7000 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| DNY       | VOR/DME  | R-051          | 45       | 7000         | 17500        |

**REMARKS:**

ALBANY (FAC 1) AND DELANCEY (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY        | STATE   |
|----------|-------------------|-----|-----|---------------|-------------|---------|
| DP       | ALBANY            |     |     | KALB          | ALBANY      | NY (US) |
| IAP      | RNAV (GPS) RWY 10 |     |     | KSCH          | SCHENECTADY | NY (US) |

**REQUIRED CHARTING:** DP, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 06/17/2021

**REASON FOR REVISION:**

1. ADDED AIRSPACE DOCKET: #20-AEA-10 - V14 SEGMENT CANCELLATION.
2. REMOVED V14 FROM FIX USE - NEC ACR.
3. CHANGED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.
4. INCREASED MRA FOR FAC 2 FROM 3600 TO 7000 UPDATED MINIMUM ALTITUDE FOR ESV FROM 3600 TO 7000 - FLIGHT INSPECTION RESTRICTION.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A422 **NAME:** WILLIAM HANBY  
**APPROVED BY:** **DATE:** 03/12/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: ALB APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** DELANCEY VOR/DME                      **STATE:** NY                      **COUNTRY:** US                      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 421041.81N/0745724.99W                      **TYPE:**

**AIRSPACE DOCKET:**                      **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-----|------------------|------|-----|-------|
| 1   | DELANCEY | DNY   | VOR/DME | L     |         |          |     |                  |      |     | 45000 |

**HOLDING:**                      **HOLDING TYPE OF ACTION:** NO CHANGE

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| UPN | 265      | 200' AAO    | 420642.00N/0743618.00W | 3659      | 4E            |

**HOLDING RESTRICTIONS:**  
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

**REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY         | STATE   |
|----------|-------------------|-----|-----|---------------|--------------|---------|
| DP       | ALBANY            |     |     | KALB          | ALBANY       | NY (US) |
| EN ROUTE | V249              |     |     |               |              | (US)    |
| EN ROUTE | V270              |     |     |               |              | (US)    |
| EN ROUTE | V483              |     |     |               |              | (US)    |
| EN ROUTE | V576              |     |     |               |              | (US)    |
| IAP      | ILS OR LOC RWY 15 |     |     | KMSV          | MONTICELLO   | NY (US) |
| IAP      | VOR RWY 25        |     |     | N23           | SIDNEY       | NY (US) |
| STAR     | BRIDGEPORT        |     |     | KBDR          | BRIDGEPORT   | CT (US) |
| STAR     | DENNA             |     |     | KBDR          | BRIDGEPORT   | CT (US) |
| STAR     | NOBBI             |     |     | KDXR          | DANBURY      | CT (US) |
| STAR     | VALRE             |     |     | KDXR          | DANBURY      | CT (US) |
| STAR     | BRIDGEPORT        |     |     | KHVN          | NEW HAVEN    | CT (US) |
| STAR     | DENNA             |     |     | KHVN          | NEW HAVEN    | CT (US) |
| STAR     | BRIDGEPORT        |     |     | KOXC          | OXFORD       | CT (US) |
| STAR     | DENNA             |     |     | KOXC          | OXFORD       | CT (US) |
| STAR     | SHAFF             |     |     | KEWR          | NEWARK       | NJ (US) |
| STAR     | KINGSTON          |     |     | KFRG          | FARMINGDALE  | NY (US) |
| STAR     | PAWLING           |     |     | KFRG          | FARMINGDALE  | NY (US) |
| STAR     | LOVES             |     |     | KISP          | ISLIP        | NY (US) |
| STAR     | KINGSTON          |     |     | KJFK          | NEW YORK     | NY (US) |
| STAR     | PAWLING           |     |     | KJFK          | NEW YORK     | NY (US) |
| STAR     | NOBBI             |     |     | KLGA          | NEW YORK     | NY (US) |
| STAR     | NOBBI             |     |     | KHPN          | WHITE PLAINS | NY (US) |
| STAR     | VALRE             |     |     | KHPN          | WHITE PLAINS | NY (US) |
| STAR     | SLATT             |     |     | KPHL          | PHILADELPHIA | PA (US) |
| STAR     | SPUDS (RNAV)      |     |     | KPHL          | PHILADELPHIA | PA (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8                      **DATE OF REVISION:** 09/08/2022

**REASON FOR REVISION:**

UPDATED FIX USE: REMOVED ENROUTE T291.

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A423                      **NAME:** TOMMY BYRNS

**APPROVED BY:**                      **DATE:** 09/08/2022                      **OFFICE:** AJV-A420                      **NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** GALWA

**STATE:** NY

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 430034.00N/0740034.51W

**TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** 20-AEA-10

**FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

| <b>FAC</b> | <b>NAME</b> | <b>IDENT</b> | <b>TYPE</b> | <b>CLASS</b> | <b>MAG BRG</b> | <b>TRUE BRG</b> | <b>DME</b> | <b>DIST FROM FAC NM</b> | <b>FAC FEET</b> | <b>MRA</b> | <b>MAA</b> |
|------------|-------------|--------------|-------------|--------------|----------------|-----------------|------------|-------------------------|-----------------|------------|------------|
| 1          | CAMBRIDGE   | CAM          | VOR/DME     | L            | 286.00         | 272.00          | 29.32      | 29.32                   |                 | 4000       | 17500      |
| 2          | ALBANY      | ALB          | VORTAC      | L            | 343.00         | 330.00          |            | 18.17                   |                 | 6000       | 17500      |

**REMARKS:**

CAMBRIDGE (FAC 1) AND ALBANY (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
CHART ON SECTIONAL - ATC REQUEST.

**FIX USE:**

| <b>USE TYPE</b> | <b>USE TITLE</b> | <b>FAC</b> | <b>PAT</b> | <b>AIRPORT IDENT</b> | <b>CITY</b> | <b>STATE</b> |
|-----------------|------------------|------------|------------|----------------------|-------------|--------------|
| DP              | ALBANY           |            |            | KALB                 | ALBANY      | NY (US)      |
| EN ROUTE        | T316             |            |            |                      |             | (US)         |

**REQUIRED CHARTING:** SECTIONAL, DP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7

**DATE OF REVISION:** 08/12/2021

**REASON FOR REVISION:**

FIX USE: REMOVED KNY0 NDB RWY 10 AND KNY0 NDB RWY 28  
REQUIRED CHARTING: REMOVED IAP

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME:** HENRY BRADSHAW

**APPROVED BY:**

**DATE:** 05/19/2021

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: GARDNER VOR/DME STATE: MA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423245.32N/0720329.48W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME    | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|---------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | GARDNER | GDM   | VOR/DME | L     |         |          |     |                          |     | 17500 |

HOLDING: HOLDING TYPE OF ACTION: MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | NW  | GDM   | VOR/DME | 298.00      | 118.00         | L                | 1                      | 4000 17500                   | 4 16                 |
| 2   | W   | GDM   | VOR/DME | 276.81      | 096.81         | R                | 1                      | 3000 6000                    | 4 13                 |
| 3   | NW  | GDM   | VOR/DME | 293.78      | 113.78         | L                | 1                      | 7000 17500                   | 8 16                 |
| 4   | SW  | WP    | WP      | 202.91      | 022.91         | R                | 4                      | 3000 6000                    | 5 6                  |
| 5   | E   | GDM   | VOR/DME | 112.13      | 292.13         | R                | 1                      | 3500 6000                    | 4 13                 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 423245.00N/0721018.00W | 1595      | 4E            |
| 2   | 200      | AAO         | 423245.00N/0721018.00W | 1595      | 4E            |
| 2   | 310      | AAO         | 422921.00N/0715312.00W | 2215      | 4E            |
| 3   | 230      | AAO         | 423245.00N/0721018.00W | 1595      | 4E            |
| 4   | 200      | AAO         | 423057.00N/0720248.00W | 1569      | 4E            |
| 5   | 200      | AAO         | 422930.03N/0715323.30W | 2130      | 2C            |
| 5   | 310      | AAO         | 422921.15N/0715311.99W | 2200      | 2C            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST  
PAT 3 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S).  
ATC REQUESTS RETENTION AND CHARTING OF HOLDING PATTERN 1.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY    | STATE   |
|-----|-----------------|---------------|---------|---------|
| 2   | VOR-A           | KGDM          | GARDNER | MA (US) |
| 5   | VOR-A           | KORE          | ORANGE  | MA (US) |

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
FACILITY MAGVAR: W14/1970.

**FIX USE:**

| USE TYPE | USE TITLE                 | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|---------------------------|-----|-----|---------------|-----------------------|---------|
| DP       | BRADLEY                   |     |     | KBDL          | WINDSOR LOCKS         | CT (US) |
| DP       | TAKEOFF MINIMUMS          |     |     | KAFN          | JAFFREY               | NH (US) |
| DP       | MANCHESTER                |     |     | KMHT          | MANCHESTER            | NH (US) |
| DP       | PEASE                     |     |     | KPSM          | PORTSMOUTH            | NH (US) |
| DP       | TANKER                    |     |     | KPSM          | PORTSMOUTH            | NH (US) |
| DP       | ALBANY                    |     |     | KALB          | ALBANY                | NY (US) |
| EN ROUTE | Q935                      |     |     |               |                       | (US)    |
| EN ROUTE | T314                      |     |     |               |                       | (US)    |
| EN ROUTE | T315                      |     |     |               |                       | (US)    |
| EN ROUTE | T393                      |     |     |               |                       | (US)    |
| EN ROUTE | T608                      |     |     |               |                       | (US)    |
| EN ROUTE | V431                      |     |     |               |                       | (US)    |
| IAP      | ILS OR LOC RWY 11         |     |     | KBED          | BEDFORD               | MA (US) |
| IAP      | ILS OR LOC RWY 29         |     |     | KBED          | BEDFORD               | MA (US) |
| IAP      | ILS OR LOC RWY 15R        |     |     | KBOS          | BOSTON                | MA (US) |
| IAP      | ILS OR LOC RWY 27         |     |     | KBOS          | BOSTON                | MA (US) |
| IAP      | RNAV (GPS) RWY 15R        |     |     | KBOS          | BOSTON                | MA (US) |
| IAP      | RNAV (GPS) RWY 14         |     |     | KFIT          | FITCHBURG             | MA (US) |
| IAP      | VOR-A                     |     | 2   | KGDM          | GARDNER               | MA (US) |
| IAP      | LOC RWY 35                |     |     | KOWD          | NORWOOD               | MA (US) |
| IAP      | VOR-A                     |     | 5   | KORE          | ORANGE                | MA (US) |
| IAP      | RNAV (GPS) RWY 21         |     |     | 6B6           | STOW                  | MA (US) |
| IAP      | ILS OR LOC RWY 20         |     |     | KBAF          | WESTFIELD/SPRINGFIELD | MA (US) |
| IAP      | ILS OR LOC RWY 11         |     |     | KORH          | WORCESTER             | MA (US) |
| IAP      | ILS OR LOC RWY 29         |     |     | KORH          | WORCESTER             | MA (US) |
| IAP      | ILS RWY 11 (CAT II & III) |     |     | KORH          | WORCESTER             | MA (US) |
| IAP      | RNAV (GPS) RWY 33         |     |     | KORH          | WORCESTER             | MA (US) |
| IAP      | VOR/DME RWY 33            |     |     | KORH          | WORCESTER             | MA (US) |
| IAP      | RNAV (GPS)- B             |     | 4   | KAFN          | JAFFREY               | NH (US) |
| IAP      | VOR-A                     |     |     | KAFN          | JAFFREY               | NH (US) |

|       |                      |   |      |            |         |
|-------|----------------------|---|------|------------|---------|
| IAP   | ILS OR LOC RWY 2     |   | KEEN | KEENE      | NH (US) |
| IAP   | RNAV (GPS) RWY 2     |   | KEEN | KEENE      | NH (US) |
| IAP   | ILS OR LOC RWY 6     |   | KMHT | MANCHESTER | NH (US) |
| OTHER | ATC COORDINATION FIX | 1 |      |            | (US)    |
| STAR  | GRAYM                |   | KBED | BEDFORD    | MA (US) |
| STAR  | GRAYM                |   | KBVY | BEVERLY    | MA (US) |
| STAR  | GARDNER              | 3 | KBOS | BOSTON     | MA (US) |
| STAR  | GRAYM                |   | KFIT | FITCHBURG  | MA (US) |
| STAR  | GRAYM                |   | KLWM | LAWRENCE   | MA (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 35

**DATE OF REVISION:** 03/24/2022

**REASON FOR REVISION:**

1. UPDATED HOLDING PATTERN 2 MAX TEMPLATE FROM 5 TO 13.
2. UPDATED HOLDING PATTERN 5 MAX TEMPLATE FROM 5 TO 13.
3. DELETED AIRSPACE DOCKET NUMBER: 20-AEA-10.
4. MOVED "ATC REQUESTS RETENTION AND CHARTING OF HOLDING PATTERN 1" FROM REMARKS TO HOLDING RESTRICTIONS.
5. UPDATED FIX USE: DELETED RNAV (GPS) RWY 20 AT KFIT, VOR/DME-B AT K3B0, VOR RWY 2 AT KEEN, AND RNAV (GPS) RWY 32 AT KASH.
6. UPDATED FIX USE FOR VOR-A AT KORE: ADDED PATTERN NUMBER 5 AND ADDED TO PROCEDURES REQUIRING CLIMB-IN-HOLD.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** FRANK JACKSON

**APPROVED BY:**

**DATE:** 10/27/2021

**OFFICE:** AJV-A430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: JEFFF

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 411446.38N/0742743.29W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FAC FEET | MRA   | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-------|------------------|----------|-------|-------|
| 1   | SPARTA   | SAX   | VORTAC  | H     | 028.86  | 017.86   | 11.26 | 11.26            |          | 18000 | 45000 |
| 2   | HUGUENOT | HUO   | VOR/DME | H     | 160.10  | 149.10   | 11.42 | 11.42            |          | 18000 | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE | FAC  | PAT | AIRPORT IDENT | CITY   | STATE   |
|----------|-----------|------|-----|---------------|--------|---------|
| DP       | ALBANY    |      |     | KALB          | ALBANY | NY (US) |
| EN ROUTE | J6        | 1, 2 |     |               |        | (US)    |
| EN ROUTE | Q480      |      |     |               |        | (US)    |

REQUIRED CHARTING: EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 12/10/2015

## REASON FOR REVISION:

ADDED ALBANY DEPARTURE TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 04/27/2015

OFFICE: AJV-352

NAME: LIAM DONAHUE

APPROVED BY:

DATE: 10/16/2015

OFFICE: AJV-352

NAME: ADOLFO URRUTIA

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZNY  
ATC FACILITY:  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: KINGSTON VOR/DME STATE: NY COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413955.63N/0734920.06W TYPE:

AIRSPACE DOCKET: 22-ASO-9 FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:**

| FAC | NAME     | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC | MRA | MAA   |
|-----|----------|-------|---------|-------|---------|----------|-----|---------------|-----|-------|
|     |          |       |         |       |         |          | NM  | FEET          |     |       |
| 1   | KINGSTON | IGN   | VOR/DME | L     |         |          |     |               |     | 45000 |

**HOLDING:** HOLDING TYPE OF ACTION: MODIFY

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | DME | HOLDING ALTITUDES MIN | MAX   | TEMPLATES MIN | MAX |
|-----|-----|-------|---------|-------------|-------------|---------------|-----------------|-----|-----------------------|-------|---------------|-----|
| 1   | N   | IGN   | VOR/DME | 012.75      | 192.75      | R             | 1               |     | 3100                  | 17500 | 4             | 16  |
| 2   | NE  | IGN   | VOR/DME | 037.00      | 217.00      | R             | 1               |     | 3000                  | 8000  | 4             | 8   |
| 3   | W   | IGN   | VOR/DME | 249.00      | 069.00      | L             | 1               |     | 3000                  | 8000  | 4             | 8   |
| 4   | NW  | IGN   | VOR/DME | 302.09      | 122.09      | R             | 1 1/2           |     | 18000                 | 45000 | 16            | 29  |
| 5   | NE  |       | WP      | 037.00      | 217.00      | R             |                 | 4   | 3000                  | 6000  | 5             | 6   |
| 6   | N   | IGN   | VOR/DME | 012.74      | 192.74      | R             |                 | 10  | 5000                  | 17500 | 15            | 15  |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 200      | AAO               | 414412.00N/0734445.00W | 1070      | 4E            |
| 2   | 200      | AAO               | 414230.00N/0734245.00W | 1309      | 4E            |
| 2   | 310      | TOWER (36-000979) | 414307.49N/0735945.41W | 1999      | 1A            |
| 3   | 200      | AAO               | 413836.00N/0740121.00W | 1309      | 4E            |
| 5   | 200      | AAO               | 414230.00N/0734245.00W | 1309      | 4E            |
| 5   | 310      | TOWER (36-000979) | 414307.49N/0735945.41W | 1999      | 1A            |
| 6   | 200      | TOWER (36-000979) | 414307.49N/0735945.41W | 1999      | 1A            |

**REASON FOR NONSTANDARD HOLDING:**  
PAT 3 AIR TRAFFIC REQUEST

**HOLDING RESTRICTIONS:**  
HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

| PAT | PROCEDURE TITLE  | AIRPORT IDENT | CITY         | STATE   |
|-----|------------------|---------------|--------------|---------|
| 2   | ILS OR LOC RWY 6 | KPOU          | POUGHKEEPSIE | NY (US) |
| 2   | VOR-A            | KPOU          | POUGHKEEPSIE | NY (US) |
| 5   | RNAV (GPS) RWY 6 | KPOU          | POUGHKEEPSIE | NY (US) |

**REMARKS:**

FACILITY MAG VAR: 12W.  
PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
FIX MAKEUP FACILITY FAC 1 IGN VOR/DME MAA INCREASED TO 45000; THERE IS AN APPROVED ESV IGN R-302/10/180/450.

**FIX USE:**

| USE TYPE | USE TITLE                    | FAC | PAT | AIRPORT IDENT | CITY         | STATE   |
|----------|------------------------------|-----|-----|---------------|--------------|---------|
| DP       | MORRISTOWN                   |     |     | KMMU          | MORRISTOWN   | NJ (US) |
| DP       | LIBERTY                      |     |     | KEWR          | NEWARK       | NJ (US) |
| DP       | NEWARK                       |     |     | KEWR          | NEWARK       | NJ (US) |
| DP       | TETERBORO                    |     |     | KTEB          | TETERBORO    | NJ (US) |
| DP       | ALBANY                       |     |     | KALB          | ALBANY       | NY (US) |
| DP       | T/O MINS AND OBSTACLE DP     |     |     | 44N           | MILLBROOK    | NY (US) |
| DP       | STEWART                      |     |     | KSWF          | NEW YORK     | NY (US) |
| DP       | DUTCHESS                     |     |     | KPOU          | POUGHKEEPSIE | NY (US) |
| DP       | T/O MINS AND OBSTACLE DP     |     |     | KPOU          | POUGHKEEPSIE | NY (US) |
| EN ROUTE | Q480                         |     |     |               |              | (US)    |
| EN ROUTE | T216                         |     |     |               |              | (US)    |
| EN ROUTE | V157                         |     | 1   |               |              | (US)    |
| EN ROUTE | V167                         |     |     |               |              | (US)    |
| EN ROUTE | V483                         |     |     |               |              | (US)    |
| EN ROUTE | V93                          |     |     |               |              | (US)    |
| IAP      | LOC RWY 8                    |     | 6   | KDXR          | DANBURY      | CT (US) |
| IAP      | COPTER ILS OR LOC RWY 6      |     |     | KTEB          | TETERBORO    | NJ (US) |
| IAP      | ILS OR LOC RWY 6             |     |     | KTEB          | TETERBORO    | NJ (US) |
| IAP      | VOR/DME RWY 6                |     |     | KTEB          | TETERBORO    | NJ (US) |
| IAP      | VOR/DME-B                    |     |     | KTEB          | TETERBORO    | NJ (US) |
| IAP      | RNAV (GPS) RWY 22            |     |     | N89           | ELLENVILLE   | NY (US) |
| IAP      | RNAV (GPS) RWY 26            |     |     | 06N           | MIDDLETOWN   | NY (US) |
| IAP      | VOR-A                        |     | 3   | 44N           | MILLBROOK    | NY (US) |
| IAP      | ILS OR LOC RWY 4             |     |     | KMGJ          | MONTGOMERY   | NY (US) |
| IAP      | ILS OR LOC RWY 27            |     | 2   | KSWF          | NEW YORK     | NY (US) |
| IAP      | ILS OR LOC RWY 9             |     | 2   | KSWF          | NEW YORK     | NY (US) |
| IAP      | ILS RWY 9 (CAT II & CAT III) |     | 2   | KSWF          | NEW YORK     | NY (US) |
| IAP      | ILS RWY 9 (SA CAT I)         |     | 2   | KSWF          | NEW YORK     | NY (US) |
| IAP      | ILS OR LOC RWY 6             |     | 2   | KPOU          | POUGHKEEPSIE | NY (US) |



|      |                            |   |      |              |         |
|------|----------------------------|---|------|--------------|---------|
| IAP  | RNAV (GPS) RWY 6           | 5 | KPOU | POUGHKEEPSIE | NY (US) |
| IAP  | VOR RWY 24                 |   | KPOU | POUGHKEEPSIE | NY (US) |
| IAP  | VOR-A                      | 2 | KPOU | POUGHKEEPSIE | NY (US) |
| IAP  | ILS OR LOC RWY 16          |   | KHPN | WHITE PLAINS | NY (US) |
| IAP  | ILS OR LOC RWY 34          |   | KHPN | WHITE PLAINS | NY (US) |
| IAP  | ILS RWY 16 (SA CAT I & II) |   | KHPN | WHITE PLAINS | NY (US) |
| STAR | BRIDGEPORT                 |   | KBDR | BRIDGEPORT   | CT (US) |
| STAR | NOBBI                      |   | KDXR | DANBURY      | CT (US) |
| STAR | VALRE                      | 6 | KDXR | DANBURY      | CT (US) |
| STAR | BRIDGEPORT                 |   | KHVN | NEW HAVEN    | CT (US) |
| STAR | BRIDGEPORT                 |   | KOXC | OXFORD       | CT (US) |
| STAR | FLOSI (RNAV)               |   | KEWR | NEWARK       | NJ (US) |
| STAR | SHAFF                      |   | KEWR | NEWARK       | NJ (US) |
| STAR | KINGSTON                   | 4 | KFRG | FARMINGDALE  | NY (US) |
| STAR | KINGSTON                   | 4 | KJFK | NEW YORK     | NY (US) |
| STAR | HAARP                      |   | KLGA | NEW YORK     | NY (US) |
| STAR | NOBBI                      |   | KLGA | NEW YORK     | NY (US) |
| STAR | HUDSON                     |   | KSWF | NEW YORK     | NY (US) |
| STAR | HUDSON                     |   | KPOU | POUGHKEEPSIE | NY (US) |
| STAR | NOBBI                      |   | KHPN | WHITE PLAINS | NY (US) |
| STAR | VALRE                      | 6 | KHPN | WHITE PLAINS | NY (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 31

**DATE OF REVISION:** 04/20/2023

**REASON FOR REVISION:**

1. AIRSPACE DOCKET: ADDED 22-ASO-9.
2. REMOVED ESV IGN VOR/DME DATA.
3. DELETED HOLDING PAT 5 AND ALL ASSOCIATED DATA.
4. ADDED PAT 4 MIN TEMPLATE 16 AND CHANGED LEG TIME FROM 1 TO 1 1/2.
5. CHANGED PAT 2, 5, 6 CONTROLLING OBSTRUCTION ELEVATION FROM 2000 TOWER (36-000979) TO 1999 TOWER (36-000979).
6. CHANGED FIX USE EN ROUTE T216 STATE FROM NY (US) TO (US).
7. ADDED FIX USE PAT 4 TO STAR KINGSTON AT KFRG, AND PAT 6 TO STAR VALRE AT KDXR,
8. DELETED FIX USE V58, J37.
9. CHANGED FIX USE KSWF CITY FROM NEWBURGH TO NEW YORK ON ALL KSWF PROCEDURES.
10. CHANGED FIX MAKEUP FACILITY IGN VOR/DME MAA FROM 17500 TO 45000.
11. ADDED REMARK: FIX MAKEUP FACILITY FAC 1 IGN VOR/DME MAA INCREASED TO 45000. THERE IS AN APPROVED ESV IGN R-302/10/180/450.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** MICHAEL MCCARTNEY

**APPROVED BY:**

**DATE:** 04/20/2023

**OFFICE:** AJV-A431

**NAME:** ERIC N SUSKI

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** NELIE **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 415627.64N/0724118.88W **TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** 19-ASO-18 **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME    | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME   | DIST FROM FAC NM | FEET | MRA   | MAA   |
|-----|---------|-------|---------|-------|---------|----------|-------|------------------|------|-------|-------|
| 1   | BOSTON  | BOS   | VOR/DME | H     | 268.34  | 252.34   | 79.84 | 79.84            |      | 18000 | 45000 |
| 2   | HAMPTON | HTO   | VORTAC  | H     | 357.81  | 344.81   |       | 63.55            |      | 18000 | 45000 |

**REMARKS:**  
BOSTON (FAC 1) AND HAMPTON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

**FIX USE:**

| USE TYPE | USE TITLE     | FAC | PAT | AIRPORT IDENT | CITY              | STATE   |
|----------|---------------|-----|-----|---------------|-------------------|---------|
| DP       | HANSCOM       |     |     | KBED          | BEDFORD           | MA (US) |
| DP       | BEVERLY       |     |     | KBVY          | BEVERLY           | MA (US) |
| DP       | BLZZR (RNAV)  |     |     | KBOS          | BOSTON            | MA (US) |
| DP       | LOGAN         |     |     | KBOS          | BOSTON            | MA (US) |
| DP       | PATSS (RNAV)  |     |     | KBOS          | BOSTON            | MA (US) |
| DP       | REVSS (RNAV)  |     |     | KBOS          | BOSTON            | MA (US) |
| DP       | WYLYY (RNAV)  |     |     | KBOS          | BOSTON            | MA (US) |
| DP       | LAWRENCE      |     |     | KLWM          | LAWRENCE          | MA (US) |
| DP       | NUBLE (RNAV)  |     |     | KPWM          | PORTLAND          | ME (US) |
| DP       | PPOINT (RNAV) |     |     | KMHT          | MANCHESTER        | NH (US) |
| DP       | ALBANY        |     |     | KALB          | ALBANY            | NY (US) |
| EN ROUTE | Q75           |     |     |               |                   | (US)    |
| EN ROUTE | T212          |     |     |               |                   | (US)    |
| EN ROUTE | T255          |     |     |               |                   | (US)    |
| EN ROUTE | T300          |     |     |               |                   | (US)    |
| STAR     | WIPOR (RNAV)  |     |     | KEWB          | NEW BEDFORD       | MA (US) |
| STAR     | FLOSI (RNAV)  |     |     | KEWR          | NEWARK            | NJ (US) |
| STAR     | NELIE (RNAV)  |     |     | KISP          | NEW YORK          | NY (US) |
| STAR     | NELIE (RNAV)  |     |     | KFOK          | WESTHAMPTON BEACH | NY (US) |
| STAR     | WIPOR (RNAV)  |     |     | KUUU          | NEWPORT           | RI (US) |
| STAR     | WIPOR (RNAV)  |     |     | KOQU          | NORTH KINGSTOWN   | RI (US) |
| STAR     | WIPOR (RNAV)  |     |     | KSFZ          | PAWTUCKET         | RI (US) |
| STAR     | WIPOR (RNAV)  |     |     | KPVD          | PROVIDENCE        | RI (US) |

**REQUIRED CHARTING:** DP, STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 11 **DATE OF REVISION:** 07/16/2020

**REASON FOR REVISION:**  
AMENDED AIRSPACE DOCKET FROM "19-AEA-9" TO "19-ASO-18".  
DELETED "J75" FROM FIX USE.

**INITIATED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_ **ORGANIZATION:** \_\_\_\_\_ **NAME:** \_\_\_\_\_

**OFFICE OF PRIMARY RESPONSIBILITY:** \_\_\_\_\_ **AJV-A432** **NAME:** KELLY CARLSON

**APPROVED BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_ **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: EST  
ARTCC: ZBW  
ATC FACILITY: BOS APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PAWLING VOR/DME    **STATE:** NY                      **COUNTRY:** US                      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 414611.18N/0733601.99W                      **TYPE:**

**AIRSPACE DOCKET:**    **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME    | IDENT | TYPE    | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|---------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | PAWLING | PWL   | VOR/DME | L     |         |          |     |                          |     | 17500 |

**FIX RESTRICTIONS:**  
MCA V433 5700 NORTHWEST BOUND

**HOLDING:**    **HOLDING TYPE OF ACTION:** NO CHANGE

**PATTERNS:**

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG TIME | LENGTH DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|-------------|---------------|----------|------------|------------------------------|----------------------|
| 1   | S   | PWL   | VOR/DME | 174.00      | 354.00      | R             | 1        |            | 3000 8000                    | 4 8                  |
| 2   | SE  |       | WP      | 129.34      | 309.34      | R             |          | 4          | 3000 6000                    | 5 6                  |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 200      | AAO         | 414236.00N/0733106.00W | 1677      | 4E            |
| 2   | 200      | AAO         | 414354.00N/0733121.00W | 1646      | 4E            |

**HOLDING RESTRICTIONS:**  
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
FACILITY MAGNETIC VARIATION W12/1970

**FIX USE:**

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|-------------------|-----|-----|---------------|-----------------------|---------|
| DP       | BRADLEY           |     |     | KBDL          | WINDSOR LOCKS         | CT (US) |
| DP       | ALBANY            |     |     | KALB          | ALBANY                | NY (US) |
| DP       | TAKEOFF MINIMUMS  |     |     | 20N           | KINGSTON              | NY (US) |
| DP       | STEWART           |     |     | KSWF          | NEWBURGH              | NY (US) |
| DP       | DUTCHESS          |     |     | KPOU          | POUGHKEEPSIE          | NY (US) |
| EN ROUTE | V34               |     |     |               |                       | (US)    |
| EN ROUTE | V405              |     |     |               |                       | (US)    |
| EN ROUTE | V433              |     |     |               |                       | (US)    |
| EN ROUTE | V44               |     |     |               |                       | (US)    |
| EN ROUTE | V93               |     |     |               |                       | (US)    |
| IAP      | RNAV (GPS) RWY 18 |     |     | KOXC          | OXFORD                | CT (US) |
| IAP      | RNAV (GPS)-B      |     |     | KGBR          | GREAT BARRINGTON      | MA (US) |
| IAP      | LOC RWY 26        |     |     | KPSF          | PITTSFIELD            | MA (US) |
| IAP      | RNAV (GPS) RWY 33 |     | 2   | 20N           | KINGSTON              | NY (US) |
| IAP      | RNAV (GPS) RWY 27 |     |     | KSWF          | NEWBURGH              | NY (US) |
| IAP      | ILS OR LOC RWY 6  |     | 1   | KPOU          | POUGHKEEPSIE          | NY (US) |
| IAP      | VOR RWY 24        |     |     | KPOU          | POUGHKEEPSIE          | NY (US) |
| IAP      | VOR-A             |     |     | KPOU          | POUGHKEEPSIE          | NY (US) |
| STAR     | BRIDGEPORT        |     |     | KBDR          | BRIDGEPORT            | CT (US) |
| STAR     | DENNA             |     |     | KBDR          | BRIDGEPORT            | CT (US) |
| STAR     | NOBBI             |     |     | KDXR          | DANBURY               | CT (US) |
| STAR     | VALRE             |     |     | KDXR          | DANBURY               | CT (US) |
| STAR     | STELA             |     |     | KHFD          | HARTFORD              | CT (US) |
| STAR     | BRIDGEPORT        |     |     | KHVN          | NEW HAVEN             | CT (US) |
| STAR     | DENNA             |     |     | KHVN          | NEW HAVEN             | CT (US) |
| STAR     | BRIDGEPORT        |     |     | KOXC          | OXFORD                | CT (US) |
| STAR     | DENNA             |     |     | KOXC          | OXFORD                | CT (US) |
| STAR     | STELA             |     |     | KBDL          | WINDSOR LOCKS         | CT (US) |
| STAR     | STELA             |     |     | KCEF          | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR     | STELA             |     |     | KBAF          | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR     | STELA             |     |     | KORH          | WORCESTER             | MA (US) |
| STAR     | SHAFF             |     |     | KEWR          | NEWARK                | NJ (US) |
| STAR     | PAWLING           |     |     | KFRG          | FARMINGDALE           | NY (US) |
| STAR     | LOVES             |     |     | KISP          | NEW YORK              | NY (US) |
| STAR     | PAWLING           |     |     | KJFK          | NEW YORK              | NY (US) |
| STAR     | HAARP             |     |     | KLGA          | NEW YORK              | NY (US) |
| STAR     | NOBBI             |     |     | KLGA          | NEW YORK              | NY (US) |
| STAR     | HUDSON            |     | 1   | KSWF          | NEW YORK              | NY (US) |
| STAR     | HUDSON            |     | 1   | KPOU          | POUGHKEEPSIE          | NY (US) |
| STAR     | NOBBI             |     |     | KHPN          | WHITE PLAINS          | NY (US) |
| STAR     | VALRE             |     |     | KHPN          | WHITE PLAINS          | NY (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 17

**DATE OF REVISION:** 12/02/2021

**REASON FOR REVISION:**

1. FIX RESTRICTIONS: ADDED MCA FLAG FOR V433 5700 NW.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A413

**NAME:** SCOTT BAGENSIE

**APPROVED BY:**

**DATE:** 09/24/2021

**OFFICE:** AJV-A410

**NAME:** JULIE MORGAN

**SIGNATURE:**



|      |                            |   |      |                      |         |
|------|----------------------------|---|------|----------------------|---------|
| IAP  | ILS OR LOC RWY 4L          |   | KEWR | NEWARK               | NJ (US) |
| IAP  | ILS OR LOC RWY 4R          |   | KEWR | NEWARK               | NJ (US) |
| IAP  | ILS RWY 4L (SA CAT I & II) |   | KEWR | NEWARK               | NJ (US) |
| IAP  | ILS RWY 4R (CAT II & III)  |   | KEWR | NEWARK               | NJ (US) |
| IAP  | VOR RWY 11                 | 3 | KEWR | NEWARK               | NJ (US) |
| IAP  | RNAV (GPS) RWY 3           | 6 | KFWN | SUSSEX               | NJ (US) |
| IAP  | VOR -A                     | 2 | KFWN | SUSSEX               | NJ (US) |
| IAP  | ILS OR LOC RWY 19          |   | KTEB | TETERBORO            | NJ (US) |
| IAP  | VOR/DME-B                  |   | KTEB | TETERBORO            | NJ (US) |
| IAP  | RNAV (GPS) RWY 8           |   | 06N  | MIDDLETOWN           | NY (US) |
| IAP  | ILS OR LOC RWY 4           |   | KMGJ | MONTGOMERY           | NY (US) |
| IAP  | RNAV (GPS) RWY 4           |   | KMGJ | MONTGOMERY           | NY (US) |
| IAP  | VOR RWY 8                  |   | KMGJ | MONTGOMERY           | NY (US) |
| IAP  | ILS OR LOC RWY 9           |   | KSWF | NEWBURGH             | NY (US) |
| IAP  | ILS RWY 9 (CAT II & III)   |   | KSWF | NEWBURGH             | NY (US) |
| IAP  | ILS RWY 9 (SA CAT I)       |   | KSWF | NEWBURGH             | NY (US) |
| IAP  | RNAV (GPS) RWY 34          |   | KSWF | NEWBURGH             | NY (US) |
| IAP  | ILS OR LOC RWY 16          |   | KHPN | WHITE PLAINS         | NY (US) |
| IAP  | ILS OR LOC RWY 34          |   | KHPN | WHITE PLAINS         | NY (US) |
| IAP  | RNAV (GPS) Y RWY 16        |   | KHPN | WHITE PLAINS         | NY (US) |
| STAR | WILKES-BARRE               |   | KCDW | CALDWELL             | NJ (US) |
| STAR | WILKES-BARRE               |   | KLDJ | LINDEN               | NJ (US) |
| STAR | WILKES-BARRE               |   | KMMU | MORRISTOWN           | NJ (US) |
| STAR | FLOSI (RNAV)               |   | KEWR | NEWARK               | NJ (US) |
| STAR | SHAFF                      |   | KEWR | NEWARK               | NJ (US) |
| STAR | WILKES-BARRE               |   | 39N  | PRINCETON/ROCKY HILL | NJ (US) |
| STAR | WILKES-BARRE               |   | N51  | READINGTON           | NJ (US) |
| STAR | WILKES-BARRE               |   | KSMQ | SOMERVILLE           | NJ (US) |
| STAR | WILKES-BARRE               |   | KTEB | TETERBORO            | NJ (US) |
| STAR | KINGSTON                   |   | KFRG | FARMINGDALE          | NY (US) |
| STAR | KINGSTON                   |   | KJFK | NEW YORK             | NY (US) |

**REQUIRED CHARTING:** DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 19

**DATE OF REVISION:** 09/09/2021

**REASON FOR REVISION:**

HOLDING PATTERNS: PATTERN 1 LEG LENGTH TIME CHANGED FROM "1-1 1/2" TO "1".  
 REQUIRED CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.  
 CORRECTED FIX COORDINATES FROM "410403.16N/0743217.93W" TO "410403.15N/0743217.91" TO MATCH AIRNAV DATA.

|  |                         |                         |                              |
|--|-------------------------|-------------------------|------------------------------|
| <b>INITIATED BY:</b>                     | <b>DATE:</b>            | <b>ORGANIZATION:</b>    | <b>NAME:</b>                 |
| <b>OFFICE OF PRIMARY RESPONSIBILITY:</b> |                         | AJV-A421                | <b>NAME:</b> HENRY BRADSHAW  |
| <b>APPROVED BY:</b>                      | <b>DATE:</b> 06/24/2021 | <b>OFFICE:</b> AJV-A420 | <b>NAME:</b> MARLON ROBINSON |
| <b>SIGNATURE:</b>                        |                         |                         |                              |

# RADIO FIX AND HOLDING DATA RECORD

NAME: SYRACUSE VORTAC STATE: NY COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 430937.87N/0761216.41W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

### FIX MAKE-UP FACILITIES:

| FAC | NAME     | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|----------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | SYRACUSE | SYR   | VORTAC | H     |         |          |     |                          |     | 45000 |

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

### PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | NW  | SYR   | VORTAC | 311.30      | 131.30         | R                | 1                      | 2000 10000                   | 5 9                  |
| 2   | NW  | SYR   | VORTAC | 294.00      | 114.00         | L                | 1                      | 3000 10000                   | 6 13                 |

### CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 230      | TOWER (36-001250) | 431250.58N/0762345.65W | 955       | 1A            |
| 2   | 230      | TOWER (36-001250) | 431250.58N/0762345.65W | 955       | 1A            |
| 2   | 310      | AAO               | 430418.00N/0762230.00W | 1021      | 4E            |

REASON FOR NONSTANDARD HOLDING:  
PAT 2 AIR TRAFFIC REQUEST AND NOISE ABATEMENT

HOLDING RESTRICTIONS:  
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

### PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE       | AIRPORT IDENT | CITY     | STATE   |
|-----|-----------------------|---------------|----------|---------|
| 2   | ILS RWY 28 (CAT II)   | KSYR          | SYRACUSE | NY (US) |
| 2   | ILS RWY 28 (SA CAT I) | KSYR          | SYRACUSE | NY (US) |
| 2   | ILS OR LOC RWY 28     | KSYR          | SYRACUSE | NY (US) |

REMARKS:  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1 AND 2 EVALUATED AT 230 KIAS TO SUPPORT MILITARY OPERATIONS.  
ASSIGNED FACILITY MAGVAR: 11W (1980).

### FIX USE:

| USE TYPE | USE TITLE             | FAC | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|-----------------------|-----|-----|---------------|------------|---------|
| DP       | HANSCOM               |     |     | KBED          | BEDFORD    | MA (US) |
| DP       | BEVERLY               |     |     | KBVY          | BEVERLY    | MA (US) |
| DP       | LAWRENCE              |     |     | KLWM          | LAWRENCE   | MA (US) |
| DP       | NORWOOD               |     |     | KOWD          | NORWOOD    | MA (US) |
| DP       | BANGOR                |     |     | KBGR          | BANGOR     | ME (US) |
| DP       | HSKEL (RNAV)          |     |     | KPWM          | PORTLAND   | ME (US) |
| DP       | PORTLAND              |     |     | KPWM          | PORTLAND   | ME (US) |
| DP       | ALBANY                |     |     | KALB          | ALBANY     | NY (US) |
| DP       | BUFFALO               |     |     | KBUF          | BUFFALO    | NY (US) |
| DP       | XEROX                 |     |     | KROC          | ROCHESTER  | NY (US) |
| DP       | SYRACUSE              |     |     | KSYR          | SYRACUSE   | NY (US) |
| DP       | BURLINGTON            |     |     | KBTV          | BURLINGTON | VT (US) |
| EN ROUTE | J59                   |     |     |               |            | (US)    |
| EN ROUTE | Q812                  |     |     |               |            | (US)    |
| EN ROUTE | Q844                  |     |     |               |            | (US)    |
| EN ROUTE | T391                  |     |     |               |            | (US)    |
| EN ROUTE | T608                  |     |     |               |            | (US)    |
| EN ROUTE | T634                  |     |     |               |            | (US)    |
| EN ROUTE | V153                  |     |     |               |            | (US)    |
| EN ROUTE | V29                   |     |     |               |            | (US)    |
| EN ROUTE | V35                   |     |     |               |            | (US)    |
| EN ROUTE | V423                  |     |     |               |            | (US)    |
| EN ROUTE | V483                  |     |     |               |            | (US)    |
| EN ROUTE | V84                   |     |     |               |            | (US)    |
| IAP      | ILS OR LOC RWY 5      |     |     | KBUF          | BUFFALO    | NY (US) |
| IAP      | ILS OR LOC RWY 33     |     |     | KFZY          | FULTON     | NY (US) |
| IAP      | RNAV (GPS) RWY 15     |     |     | KRME          | ROME       | NY (US) |
| IAP      | VOR/DME RWY 15        |     |     | KRME          | ROME       | NY (US) |
| IAP      | ILS OR LOC RWY 10     |     |     | KSYR          | SYRACUSE   | NY (US) |
| IAP      | ILS OR LOC RWY 28     |     | 2   | KSYR          | SYRACUSE   | NY (US) |
| IAP      | ILS RWY 28 (CAT II)   |     | 2   | KSYR          | SYRACUSE   | NY (US) |
| IAP      | ILS RWY 28 (SA CAT I) |     | 2   | KSYR          | SYRACUSE   | NY (US) |
| IAP      | RNAV (RNP) Y RWY 28   |     |     | KSYR          | SYRACUSE   | NY (US) |
| IAP      | TACAN RWY 33          |     |     | KSYR          | SYRACUSE   | NY (US) |
| IAP      | VOR RWY 15            |     | 1   | KSYR          | SYRACUSE   | NY (US) |
| IAP      | ILS OR LOC RWY 7      |     |     | KART          | WATERTOWN  | NY (US) |
| IAP      | VOR RWY 7             |     |     | KART          | WATERTOWN  | NY (US) |

|      |       |      |                       |         |
|------|-------|------|-----------------------|---------|
| STAR | STELA | KHFD | HARTFORD              | CT (US) |
| STAR | STELA | KBDL | WINDSOR LOCKS         | CT (US) |
| STAR | STELA | KCEF | SPRINGFIELD/CHICOPEE  | MA (US) |
| STAR | STELA | KBAF | WESTFIELD/SPRINGFIELD | MA (US) |
| STAR | STELA | KORH | WORCESTER             | MA (US) |
| STAR | SHAFF | KEWR | NEWARK                | NJ (US) |

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 21                      **DATE OF REVISION:** 12/02/2021

**REASON FOR REVISION:**

1. REMOVED AIRSPACE DOCKET NUMBER 20-AEA-10.
2. FIX USE: REMOVED VOR OR GPS-A AT 6B9.

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A431                      **NAME:** TARA MARTINELLI

**APPROVED BY:**                      **DATE:** 12/02/2021                      **OFFICE:** AJV-A430                      **NAME:** LONNIE EVERHART

**SIGNATURE:**