US Department of Transportation
**Federal Aviation Administration**

# STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

**(1) Transition Routes**

| (a) Transition Name | (b) Transition Computer Codes | (c) From RNAV WP/ FIX/NAVAID | (d) To RNAV WP/ FIX/NAVAID | (e) Mag Course/ Distance | (f) MEA | (g) MOCA | (h) MAA | (i) Crossing Altitudes / Fixes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

**PROCEDURE CANCELLED:** _____

**(2) Arrival Route Description:**

**(3) Procedural Data Notes:**

**(4) Fixes and/or Holding Patterns:**

**(5) Communications:**

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| BEERT (RNAV) | FIVE | BEERT.BEERT5 | FOUR | 04/08/2008 | 04/05/2012 |

| (12) Airports Served | | | |
|---|---|---|---|
| Airport Name | MEMPHIS INTL | City/State | MEMPHIS, TENNESSEE |
| Airport Name | | City/State | |
| Airport Name | | City/State | |
| Airport Name | | City/State | |
| Airport Name | | City/State | |
| Airport Name | | City/State | |

**(13) Lost Communications Procedure:**

**(14) Remarks:**

**(15) Additional Flight Data:**

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| BEERT (RNAV) | FIVE | BEERT.BEERT5 | FOUR | 04/08/2008 | 04/05/2012 |

**(16) Continuation:**

**(17) Changes:**
PROCEDURE CANCELLED.

**(18) Reasons for Changes:**
EASTERN FPT REQUEST.

| | | | |
|---|---|---|---|
| **Developed By** | **Name *(Typed and Signed)*, Title and Organization** | | **DATE** |
| | SHARON S. COOPER, SUPPORT SPECIALIST, ZME | | 01/01/2012 |
| **Approved** | **NFPO** | DARRYEL ADAMS, MANAGER, AJV-352 | |
| | **Reg. ATD** | | |

| **(6) Arrival Name** | **(7) Number** | **(8) STAR Computer Code** | **(9) Superseded Nr.** | **(10) Dated** | **(11) Effective Date** |
|---|---|---|---|---|---|
| BEERT (RNAV) | FIVE | BEERT.BEERT5 | FOUR | 04/08/2008 | 04/05/2012 |

**(19) Graphic Depiction:**

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| BEERT (RNAV) | FIVE | BEERT.BEERT5 | FOUR | 04/08/2008 | 04/05/2012 |

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CADER **STATE:** MS **COUNTRY:** US

**LATITUDE/LONGITUDE:** 342819.06N/0900545.75W **TYPE:** WP

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

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| STAR | BEERT (RNAV) | | | KMEM | MEMPHIS | TN (US) |

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 04/05/2012

**REASON FOR REVISION:**
REMOVE FIX TWIKL FROM FIX MAKE-UP FACILITIES.
UPDATE FIX USE.

**DEVELOPED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

**APPROVED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** EST
**ARTCC:** ZME
**ATC FACILITY:** MEM APP CON
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** COCKO **STATE:** AR **COUNTRY:** US

**LATITUDE/LONGITUDE:** 353330.64N/0910211.55W **TYPE:** WP, INT, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WALNUT RIDGE | ARG | VORTAC | H | 183.00 | 187.00 | 33.29 | 33.29 | | 4000 | 45000 |
| 2 | GILMORE | GQE | VOR/DME | L | 291.00 | 295.00 | 30.16 | 30.16 | | 4000 | 45000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| GQE | VOR/DME | R-291 | 32 | 18200 | 45000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | W | GQE | VOR/DME | 291.00 | 111.00 | R | 1-1 1/2 | | 10000 | 34000 | 11 | 26 |
| 2 | NW | | WP | 293.27 | 113.27 | R | | 15 | 10000 | 34000 | 28 | 28 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 230 | TOWER (05-001331) | 353744.00N/0911542.00W | 650 | 2C |
| 2 | 230 | TOWER (05-000607) | 354706.00N/0915745.00W | 1845 | 5E |

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

**REMARKS:**
GILMORE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
CHART PAT 2 HOLDING 15 NM LEGS PER ATC.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V69 | 1 | | | | (US) |
| STAR | BEERT (RNAV) | | 2 | KMEM | MEMPHIS | TN (US) |
| STAR | GILMORE | 1, 2 | 1 | KMEM | MEMPHIS | TN (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 04/05/2012

**REASON FOR REVISION:**
CHANGE WALNUT RIDGE (ARG) VORTAC TO FAC 1 AND GILMORE (GQE) VOR/DME TO FAC 2. ARG VORTAC IS ON COURSE FAC FOR V69.
ADD FAC 1 AND FAC 2 NM DIST FROM FAC; ADD FAC 1 DME DIST FROM FAC.
CHANGE FAC 1 AND FAC 2 MAA FROM 17500 TO 45000.
ADD GQE VOR/DME ESV DATA.
CHANGE PATS 1 AND 2 MAX HOLDING FROM 14000 TO 34000; CHANGE PAT 1 HOLDING TEMPLATE FROM 12 TO 26.
UPDATE PATS 1 AND 2 CONTROLLING OBSTACLE NUMBERS.
UPDATE HOLDING RESTRICTIONS AND REMARKS
UPDATE FIX USE.

**DEVELOPED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

**APPROVED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZME
**ATC FACILITY:** MEM APP CON
**OTHER:** EST FPO

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** EVILL **STATE:** AR **COUNTRY:** US

**LATITUDE/LONGITUDE:** 353823.89N/0905825.62W **TYPE:** WP, INT, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GILMORE | GQE | VOR/DME | L | 302.00 | 306.00 | 29.96 | 29.96 | | 4000 | 45000 |
| 2 | WALNUT RIDGE | ARG | VORTAC | H | 178.00 | 182.00 | 28.18 | 28.18 | | 4000 | 45000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| GQE | VOR/DME | R-302 | 30 | 18200 | 45000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NW | GQE | VOR/DME | 302.00 | 122.00 | R | 1-1 1/2 | | 4000 | 34000 | 6 | 25 |
| 2 | NW | | WP | 304.71 | 124.71 | R | | 15 | 7000 | 34000 | 28 | 28 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (05-001686) | 353815.00N/0905333.00W | 551 | 1C |
| 2 | 230 | TOWER (05-000598) | 355322.00N/0905608.00W | 2049 | 5E |

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

**REMARKS:**
WALNUT RIDGE (FAC 2) AND GILMORE (FAC 1) USED TO ESTABLISH FIX COORDINATES
CHART PAT 1 HOLDING ON ENROUTE HIGH.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
CHART PAT 2 HOLDING 15 NM LEGS PER ATC REQUEST.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| STAR | BEERT (RNAV) | | 2 | KMEM | MEMPHIS | TN (US) |
| STAR | GILMORE | 1, 2 | 1 | KMEM | MEMPHIS | TN (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 5 **DATE OF REVISION:** 04/05/2012

**REASON FOR REVISION:**
ADD FAC 1 AND FAC 2 NM DIST FROM FAC.
INCREASE FAC 1 MAA FROM 24000 TO 45000; CHANGE FAC 2 MAA FROM FROM 24000 TO 45000.
ADD GLIMORE (GQE) VOR/DME ESV DATA.
CHANGE PAT 1 MAX HOLDING ALTITUDE FROM 24000 TO 34000; CHANGE PAT 2 MAX HOLDING ALTITUDE FROM 14000 TO 34000.
CHANGE PAT 1 MIN/MAX HOLDING TEMPLATES FROM 6/20 TO 5/25.
UPDATE PAT 1 AND PAT 2 OBSTRUCTION NUMBERS.
UPDATE HOLDING RESTRICTIONS AND REMARKS.
UPDATE FIX USE.

**DEVELOPED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

**APPROVED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZME
**ATC FACILITY:** MEM APP CON
**OTHER:** EST FPO

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RGILL **STATE:** AR **COUNTRY:** US

**LATITUDE/LONGITUDE:** 352643.17N/0903837.23W **TYPE:** WP, INT, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GILMORE | GQE | VOR/DME | L | 302.00 | 306.00 | 10.03 | 10.03 | | 4000 | 45000 |
| 2 | JONESBORO | JBR | VOR/DME | T | 184.00 | 186.00 | | 25.88 | | 4000 | 17000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| GQE | VOR/DME | R-302 | 11 | 18200 | 45000 |
| JBR | VOR/DME | R-184 | 26 | 4000 | 17000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NW | GQE | VOR/DME | 302.00 | 122.00 | L | 1-1 1/2 | | 4000 | 23000 | 4 | 19 |
| 2 | NW | | WP | 304.71 | 124.71 | L | | 15 | 7000 | 23000 | 28 | 28 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (05-002065) | 352701.00N/0904211.00W | 749 | 5D |
| 2 | 230 | TOWER (05-000598) | 355322.00N/0905608.00W | 2049 | 5E |

**REASON FOR NONSTANDARD HOLDING:**
PAT 1 ATC REQUEST.
PAT 2 ATC REQUEST.

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

**REMARKS:**
GILMORE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 2 HOLDING 15 NM LEGS PER ATC REQUEST.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| STAR | BEERT (RNAV) | | 2 | KMEM | MEMPHIS | TN (US) |
| STAR | GILMORE | 1, 2 | 1 | KMEM | MEMPHIS | TN (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 04/05/2012

**REASON FOR REVISION:**
CHANGE FAC 1 MAA FROM 17500 TO 45000.
ADD FAC 1 ESV DATA; UPDATE FAC 2 ESV DATA.
CHANGE PAT 1 MAXIMUM HOLDING MAX ALTITUDE FROM 10000 TO 23000; CHANGE PAT 2 MINIMUM HOLDING ALTITUDE FROM 7000 TO 6000 AND MAX ALTITUDE FROM 10000 TO 23000.
CHANGE PAT 1 MIN/MAX HOLDING TEMPLATES FROM 5/9 TO 6/19.
UPDATE PATS 1 AND 2 HOLDING CONTROLLING OBSTRUCTION NUMBERS.
UPDATE HOLDING RESTRICTIONS AND REMARKS.
UPDATE FIX USE.

**DEVELOPED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

**APPROVED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZME
**ATC FACILITY:** MEM APP CON
**OTHER:** EST FPO

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WILSU **STATE:** AR **COUNTRY:** US

**LATITUDE/LONGITUDE:** 352508.00N/0904000.44W **TYPE:** WP, INT, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GILMORE | GQE | VOR/DME | L | 291.00 | 295.00 | 10.21 | 10.21 | | 10000 | 45000 |
| 2 | JONESBORO | JBR | VOR/DME | T | 186.00 | 188.00 | | 27.59 | | 10000 | 17000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| GQE | VOR/DME | R-291 | 11 | 18200 | 45000 |
| JBR | VOR/DME | R-186 | 28 | 10000 | 17000 |

**HOLDING:** **HOLDING TYPE OF ACTION:** CANCEL

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | W | GQE | VOR/DME | 291.00 | 111.00 | L | 1-1 1/2 | | 10000 | 23000 | 9 | 19 |
| 2 | NW | | WP | 293.68 | 113.68 | L | | 15 | 10000 | 23000 | 28 | 28 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (05-002065) | 352701.00N/0904211.00W | 749 | 5D |
| 2 | 230 | TOWER (05-000598) | 355322.00N/0905608.00W | 2049 | 5E |

**REASON FOR NONSTANDARD HOLDING:**
PAT 1 ATC REQUEST.
PAT 2 ATC REQUEST.

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

**REMARKS:**
GILMORE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
CHART PAT 2 HOLDING 15 NM LEGS PER ATC REQUEST.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| STAR | BEERT (RNAV) | | 2 | KMEM | MEMPHIS | TN (US) |
| STAR | GILMORE | 1, 2 | 1 | KMEM | MEMPHIS | TN (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 04/05/2012

**REASON FOR REVISION:**
ADD FAC 1 AND FAC 2 NM DISTANCE FROM FAC.
CHANGE FAC 2 MRA FROM 17500 TO 17000 PER APPROVED ESV.
ADD JONESBORO (JBR) ESV DATA.
INCREASE PAT 1 MAX HOLDING ALTITUDE FROM 14000 TO 23000; CHANGE PAT 1 MIN/MAX TEMPLATES FROM 5/10 TO 9/19.
INCREASE PAT 2 MAX HOLDING ALTITUDE FROM 14000 TO 23000.
UPDATE PATS 1 AND 2 HOLDING OBSTRUCTION NUMBERS.
UPDATE HOLDING RESTRICTIONS AND REMARKS.
UPDATE FIX USE.

**DEVELOPED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

**APPROVED BY:** **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZME
**ATC FACILITY:** MEM APP CON
**OTHER:** EST FPO