

# RADIO FIX AND HOLDING DATA RECORD

NAME: BEERT STATE: AR COUNTRY: US ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 351451.55N/0901945.19W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MEMPHIS	MEM	VORTAC	H	308.38	309.38	22.00	22.00		4000	16000
2	MARVELL	UJM	VOR/DME	L	021.82	022.82	43.74	43.74		3000	16000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UJM	VOR/DME	R-044	44	3000	16000

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	NW	MEM	VORTAC	308.38	128.38	R		8	4000	16000	11	16
2	NW		WP	310.19	130.19	R		8	6000	45000	11	30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (05-001544)	351211.00N/0903357.00W	765	5D
2	230	TOWER (05-001544)	351211.00N/0903357.00W	765	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

MEMPHIS (FAC 1) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
 8 NM LEG LENGTHS REQUESTED BY ATC.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRBBQ (RNAV)		2	KMEM	MEMPHIS	TN (US)
STAR	DAWGG	1	1	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

CHANGED HOLDING PATTERN 2 COURSE INBOUND FROM 128.19 TO 130.19.

DEVELOPED BY: DATE: 06/02/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*  
**ADOLFO D URRUTIA**

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

Oct 24, 2017

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRBBQ STATE: AR COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 353007.56N/0905312.57W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	295.55	115.55	L	15	10000	45000	28	30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (05-000598)	355322.00N/0905608.00W	2049	5E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 LEFT TURNS AND 15 NM LEG LENGTHS REQUESTED BY ATC.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRBBQ (RNAV)		1	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

CHANGED HOLDING PATTERN 1 COURSE INBOUND FROM 113.55 TO 115.55.

DEVELOPED BY: DATE: 06/02/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*  
**ADOLFO D URRUTIA**

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: IGLOO STATE: AR COUNTRY: US ICAO REGION CODE: K4  
 LATITUDE/LONGITUDE: 354906.52N/0914411.55W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	LITTLE ROCK	LIT	VORTAC	H	012.58	017.58	71.74	71.74		18000	45000
2	RAZORBACK	RZC	VORTAC	H	097.75	101.75	118.85	118.85		18000	45000
3	GILMORE	GQE	VOR/DME	L	291.00	295.00	67.75	67.75		18000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RZC	VORTAC	R-119	119	17000	33000
GQE	VOR/DME	R-291	68	18000	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	W	GQE	VOR/DME	291.00	111.00	L	15	15	18000	45000	28	31
2	NW		WP	295.27	115.27	L	15	15	10000	45000	28	30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	230	TOWER (05-000563)	354847.00N/0921725.00W	2515	3C

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AND PAT 2 LEFT TURNS AND 15 NM LEG LENGTHS REQUESTED BY ATC.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

LITTLE ROCK (FAC 1) AND GILMORE (FAC 3) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J101	1				(US)
EN ROUTE	Q33 (RNAV)					(US)
STAR	BRBBQ (RNAV)	2, 3	2	KMEM	MEMPHIS	TN (US)
STAR	DAWGG		1	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

CHANGED HOLDING PATTERN 2 COURSE INBOUND FROM 113.27 TO 115.27.

DEVELOPED BY: DATE: 06/02/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: Digitally signed by

ADOLFO D URRUTIA

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

Oct 24, 2017

QUALITY  
 14  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MARBI

STATE: AR

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 360741.55N/0932557.20W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	HARRISON	HRO	VOR/DME	L	219.13	223.13	15.59	15.59		4000	17500
2	RAZORBACK	RZC	VORTAC	H	097.75	101.75	34.20	34.20		4000	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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	RZC	VORTAC	277.75	097.75	R		15	18000	45000	28	29
2	W	WP	WP	283.16	103.16	R		15	18000	45000	28	30

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

HARRISON (FAC 1) AND RAZORBACK (FAC 2) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
PAT 1 AND PAT 2 15 NM LEG LENGTHS REQUESTED BY ATC.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V289	1, 2				(US)
STAR	BRBBQ (RNAV)	2	2	KMEM	MEMPHIS	TN (US)
STAR	DAWGG	2	1	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/01/2018

## REASON FOR REVISION:

CHANGED HOLDING PATTERN 2 COURSE INBOUND FROM 101.16 TO 103.16.

DEVELOPED BY: DATE: 06/02/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

SIGNATURE: Digitally signed by  
ADOLFO D URRUTIA

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: WHOLL

STATE: AR

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 361049.68N/0911738.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	334.80	154.80	L	15	18000	45000	28	30

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
PAT 1 15 NM LEG LENGTHS REQUESTED BY ATC.

**FIX USE:**

USE TYPE  
STAR

USE TITLE  
BRBBQ (RNAV)

FAC

PAT  
1

AIRPORT IDENT  
KMEM

CITY  
MEMPHIS

STATE  
TN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/01/2018

**REASON FOR REVISION:**

CHANGED HOLDING PATTERN 1 COURSE INBOUND FROM 152.80 TO 154.80.

DEVELOPED BY:

DATE: 06/02/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

*Digitally signed by*

**ADOLFO D URRUTIA**

Oct 24, 2017

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZME

ATC FACILITY: MEM APP CON

OTHER: EST FPO

QUALITY  
14  
CHECKED