

# RADIO FIX AND HOLDING DATA RECORD

NAME: KEEZE STATE: MS COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 345140.42N/0895302.25W 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 FAC NM	MRA	MAA
1	MEMPHIS	MEM	VORTAC	H	151.00	152.00	10.44	10.44	3000	10000
2	HOLLY SPRINGS	HLI	VORTAC	L	283.00	286.00		19.90	3000	10000

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	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	MEM	VORTAC	151.00	331.00	R	1		5000	10000	6	12
2	SE		WP	153.00	333.00	R		5	5000	10000	6	12

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (28-001642)	345144.00N/0895242.00W	949	5D
1	310	TOWER (28-002849)	343930.44N/0893732.27W	952	5D
2	200	TOWER (28-001642)	345144.00N/0895242.00W	949	5D
2	310	TOWER (28-002849)	343930.44N/0893732.27W	952	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 18C	KMEM	MEMPHIS	TN (US)
1	ILS OR LOC RWY 18L	KMEM	MEMPHIS	TN (US)
1	ILS OR LOC RWY 9	KMEM	MEMPHIS	TN (US)
2	RNAV (RNP) Y RWY 18L	KMEM	MEMPHIS	TN (US)
2	RNAV (RNP) X RWY 18L	KMEM	MEMPHIS	TN (US)
2	RNAV (GPS) Z RWY 18C	KMEM	MEMPHIS	TN (US)
2	RNAV (GPS) RWY 9	KMEM	MEMPHIS	TN (US)
2	RNAV (GPS) Z RWY 18L	KMEM	MEMPHIS	TN (US)
2	RNAV (RNP) Y RWY 18C	KMEM	MEMPHIS	TN (US)

## REMARKS:

MEMPHIS (FAC 1) AND HOLLY SPRINGS (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18C	1, 2	1	KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18L	1, 2	1	KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 9	1, 2	1	KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 9		2	KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) Z RWY 18C		2	KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) Z RWY 18L		2	KMEM	MEMPHIS	TN (US)
IAP	RNAV (RNP) X RWY 18L		2	KMEM	MEMPHIS	TN (US)
IAP	RNAV (RNP) Y RWY 18C		2	KMEM	MEMPHIS	TN (US)
IAP	RNAV (RNP) Y RWY 18L		2	KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

CHANGED HOLDING PATTERN 2 CRS INBOUND FROM 331 TO 333.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 DEVELOPED BY: DATE: 08/04/2017 OFFICE: AJV-5431 NAME: LIAM DONAHUE  
 APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN  
 SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: EST

**ARTCC:** ZME  
**ATC FACILITY:** MEM APP CON  
**OTHER:** AIRPORT MANAGER

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MIOLA **STATE:** TN **COUNTRY:** US **ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 352850.14N/0892343.44W **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	MC KELLAR	MKL	VOR/DME	T	253.91	252.91	24.86	24.86		2500	17500
2	MEMPHIS	MEM	VORTAC	H	044.84	045.84	40.15	40.15		2500	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MEM	VORTAC	R-045	41	2500	14500

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

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N		WP	003.75	183.75	R	4	3000	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (47-001439)	352456.00N/0892318.00W	788	5D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

MC KELLAR (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 1		1	M04	COVINGTON	TN (US)
IAP	ILS OR LOC RWY 2			KMKL	JACKSON	TN (US)
IAP	VOR RWY 2			KMKL	JACKSON	TN (US)
IAP	RNAV (GPS) RWY 22			KNQA	MILLINGTON	TN (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 12 **DATE OF REVISION:** 10/07/2021

**REASON FOR REVISION:**

REMOVED FIX USE; KMEM (MEMPHIS INTL) RNAV (GPS) RWY 18L, RWY 18C, RWY 18R, 2M8 (MILLINGTON TN) RNAV (GPS) RWY 18 AND V11.  
REMOVED FIX MAKE-UP FACILITIES; DYERSBURG VORTAC (DYR).  
REMOVED REQUIRED CHARTING; CONTROLLER, ENROUTE LOW.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A432	<b>NAME:</b> GORDON LEMON
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> LONNIE EVERHART
<b>SIGNATURE:</b>			

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MEMPHIS VORTAC      **STATE:** TN      **COUNTRY:** US      **ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 350054.38N/0895859.53W      **TYPE:**

**AIRSPACE DOCKET:** 20-ASO-28      **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	MEMPHIS	MEM	VORTAC	H							45000

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

**REMARKS:**  
MAGVAR 1E/2000.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	ELVIS			KMEM	MEMPHIS	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
DP	EL DORADO			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	EL DORADO			KGLS	GALVESTON	TX (US)
DP	EL DORADO			KAXH	HOUSTON	TX (US)
DP	EL DORADO			KCXO	HOUSTON	TX (US)
DP	EL DORADO			KDWH	HOUSTON	TX (US)
DP	EL DORADO			KEFD	HOUSTON	TX (US)
DP	EL DORADO			KHOU	HOUSTON	TX (US)
DP	EL DORADO			KIAH	HOUSTON	TX (US)
DP	EL DORADO			KIWS	HOUSTON	TX (US)
DP	EL DORADO			KSGR	HOUSTON	TX (US)
DP	EL DORADO			KTME	HOUSTON	TX (US)
DP	EL DORADO			T41	LA PORTE	TX (US)
EN ROUTE	J118					(US)
EN ROUTE	J187					(US)
EN ROUTE	J29					(US)
EN ROUTE	J35					(US)
EN ROUTE	J41					(US)
EN ROUTE	J42					(US)
EN ROUTE	J66					(US)
EN ROUTE	J71					(US)
IAP	LOC RWY 19			KPMU	BATESVILLE	MS (US)
IAP	ILS OR LOC RWY 18			KOLV	OLIVE BRANCH	MS (US)
IAP	LOC RWY 36			KOLV	OLIVE BRANCH	MS (US)
IAP	ILS OR LOC RWY 35			KUTA	TUNICA	MS (US)
IAP	ILS OR LOC RWY 18C			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18L			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 18R			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 27			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36C			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36L			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 36R			KMEM	MEMPHIS	TN (US)
IAP	ILS OR LOC RWY 9			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36C (CAT II-III)			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36L (CAT II-III)			KMEM	MEMPHIS	TN (US)
IAP	ILS RWY 36R (CAT II-III)			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36C			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36L			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36R			KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 9			KMEM	MEMPHIS	TN (US)
IAP	VOR RWY 17			M01	MEMPHIS	TN (US)
IAP	RNAV (GPS) RWY 36			2M8	MILLINGTON	TN (US)
IAP	VOR RWY 18			2M8	MILLINGTON	TN (US)
IAP	ILS OR LOC RWY 22			KNQA	MILLINGTON	TN (US)
IAP	VOR OR TACAN RWY 22			KNQA	MILLINGTON	TN (US)
STAR	ROME			KATL	ATLANTA	GA (US)
STAR	BOOSH (RNAV)			KSTL	ST LOUIS	MO (US)
STAR	DAWGG			KMEM	MEMPHIS	TN (US)
STAR	LUGOH			KMEM	MEMPHIS	TN (US)
STAR	MARVELL			KMEM	MEMPHIS	TN (US)
STAR	WLDER			KMEM	MEMPHIS	TN (US)
STAR	CHSNE (RNAV)			KBNA	NASHVILLE	TN (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:** 10/07/2021

**REASON FOR REVISION:**

1. ADDED AIRSPACE DOCKET NUMBER 20-ASO-28.
2. FIX USE: REMOVED Q29 AND Q34.
3. FIX USE: REMOVED IAP RNAV (GPS) Z RWY 18L/18C/18R AT KMEM.

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

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

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-A430                      **NAME:** LONNIE EVERHART

**SIGNATURE:**

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: RONEE

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350805.00N/0895829.20W

TYPE: WP, RADAR, 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	MEMPHIS	I-EXS	LOC/DME		360.00	359.00	6.79	6.79	41287	2000	4900

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

COORDINATES REFLECT RNP PFAF LOCATION.  
LOC/DME COORDINATES: 350116.86N/0895819.30W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18L	1		KMEM	MEMPHIS	TN (US)
IAP	RNAV (GPS) Z RWY 18L			KMEM	MEMPHIS	TN (US)
IAP	RNAV (RNP) X RWY 18L			KMEM	MEMPHIS	TN (US)
IAP	RNAV (RNP) Y RWY 18L			KMEM	MEMPHIS	TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/29/2018

## REASON FOR REVISION:

1. UPDATED FAC 1 MAG BRG FROM 358 TO 360 AND ADDED DIST FROM FAC.
2. DELETED RWY 18L AS FAC 2.
3. DELETED GLS RWY 18L FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/09/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: TUNIE

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 351553.78N/0895014.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP RNAV (GPS) Z RWY 18C

KMEM MEMPHIS

TN (US)

IAP RNAV (GPS) Z RWY 18L

KMEM MEMPHIS

TN (US)

IAP RNAV (GPS) Z RWY 18R

KMEM MEMPHIS

TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/02/2009

**REASON FOR REVISION:**

REMOVED FAC 1 DATA (WP) PER 8260.19D.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/13/2009

OFFICE: AVN-110

NAME: BRIAN SHAFFER

APPROVED BY:

DATE: 05/20/2009

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZME

ATC FACILITY: MEM APP CON

OTHER: MEM APP CON, MEM A/P MGR

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZOKOR

STATE: TN

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 351538.35N/0900800.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP RNAV (GPS) Z RWY 18C

KMEM MEMPHIS

TN (US)

IAP RNAV (GPS) Z RWY 18L

KMEM MEMPHIS

TN (US)

IAP RNAV (GPS) Z RWY 18R

KMEM MEMPHIS

TN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/02/2009

**REASON FOR REVISION:**

DELETED FAC 1 DATA (WP) PER 8260.19D.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/13/2009

OFFICE: AVN-110

NAME: BRIAN SHAFFER

APPROVED BY:

DATE: 05/20/2009

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZME

ATC FACILITY: MEM APP CON

OTHER: MEM A/P MGR