

RADIO FIX AND HOLDING DATA RECORD

NAME: DLAKE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 305820.09N/0935730.12W

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	NE		WP	044.99	224.99	L	16	24000	40000	29	29

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE

STAR
STAR

USE TITLE

GESNR (RNAV)
ZEEKK (RNAV)

FAC

PAT

1
1

AIRPORT IDENT

KIAH
KIAH

CITY

HOUSTON
HOUSTON

STATE

TX (US)
TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. UPDATED HOLDING PATTERN 1 LEG LENGTH FROM 20 TO 16 DME; TURN FROM R TO L; MIN/MAX TEMPLATE FROM 25/28 TO 29/29.
2. ADDED REASON FOR NONSTANDARD HOLDING: PAT 1 ATC REQUEST.
3. REMOVED REMARKS: NAME CHANGED FROM MENTL TO DLAKE; PAT 1: 20 NM LEG LENGTH ATC REQUEST; AND PAT 1: MIN TEMPLATE 25 USED TO ACCOMMODATE 20 NM LEGS; AND PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Feb 03, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: EMGEE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 304700.71N/0934941.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	NE		WP	064.85	244.85	R	16	24000	40000	29	29

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE

STAR
STAR

USE TITLE

GESNR (RNAV)
ZEEKK (RNAV)

FAC

PAT

1
1

AIRPORT IDENT

KIAH
KIAH

CITY

HOUSTON
HOUSTON

STATE

TX (US)
TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. ADDED HOLDING PATTERN 1 AND ASSOCIATED RESTRICTION.
2. REMOVED REMARK: NAME CHANGED FROM CRNKY TO EMGEE.
3. ADDED PATTERN 1 TO FIX USE: STARS GESNR (RNAV) AND ZEEKK (RNAV) AT KIAH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 03, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: ZEEKK

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 303208.86N/0943014.89W

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	HUMBLE	IAH	VORTAC	H	046.40	051.40	55.80	55.80	8000	45000
2	LUFKIN	LFK	VORTAC	VH	158.62	163.62	39.09	39.09	8000	45000
3	DAISETTA	DAS	VORTAC	H	014.40	019.40		21.97	8000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IAH	VORTAC	R-046	56	8000	14600

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	NE		WP	044.23	224.23	R		10	12000 20000	15 18
2	NE	IAH	VORTAC	046.40	226.40	R		10	8000 45000	15 31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-008278)	304647.71N/0942339.02W	807	4D
2	230	TOWER (48-008278)	304647.71N/0942339.02W	807	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

HUMBLE (FAC 1) USED TO ESTABLISH FIX COORDINATES.

PAT 1 & 2: MIN TEMPLATE 15 USED TO ACCOMMODATE 10 NM LEGS AT ATC REQUEST.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OHIO	1, 2, 3	2	T00	ANAHUAC	TX (US)
STAR	OHIO	1, 2, 3	2	KL BX	ANGLETON/LAKE JACKSON	TX (US)
STAR	OHIO	1, 2, 3	2	54T	BAYTOWN	TX (US)
STAR	OHIO	1, 2, 3	2	KHPY	BAYTOWN	TX (US)
STAR	OHIO	1, 2, 3	2	6R3	CLEVELAND	TX (US)
STAR	OHIO	1, 2, 3	2	KGLS	GALVESTON	TX (US)
STAR	OHIO	1, 2, 3	2	KAXH	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KCXO	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KDWH	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KEFD	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KHOU	HOUSTON	TX (US)
STAR	GESNR (RNAV)		1	KIAH	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KIAH	HOUSTON	TX (US)
STAR	ZEEKK (RNAV)		1	KIAH	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KIWS	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KL VJ	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KSGR	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	KTME	HOUSTON	TX (US)
STAR	OHIO	1, 2, 3	2	T41	LA PORTE	TX (US)
STAR	OHIO	1, 2, 3	2	T78	LIBERTY	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. UPDATED HOLDING PATTERN 1 MAX ALTITUDE FROM 14000 TO 20000; MAX TEMPLATE FROM 17 TO 18.
2. UPDATED HOLDING PATTERN 1 & 2 CONTROLLING OBSTRUCTION LAT/LONG FROM 304645.00N/0942338.00W TO 304647.71N/0942339.02W; ELEVATION FROM 809 TO 807; AC FROM 5D TO 4D.
3. REMOVED REMARK: NAME CHANGED FROM WHACK TO ZEEKK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

QUALITY
35
CHECKED

SIGNATURE:

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Feb 03, 2025

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