

RADIO FIX AND HOLDING DATA RECORD

NAME: ALIEF

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 284113.74N/0964418.32W

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	MRA	MAA
1	CORPUS CHRISTI	CRP	VORTAC	VH	029.43	038.43	59.98	59.98	7000	17500
2	VICTORIA	VCT	VOR/DME	L	129.12	135.12	17.99	17.99	7000	17500
3	PALACIOS	PSX	VORTAC	VH	250.64	258.64	23.27	23.27	7000	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	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	SW	CRP	VORTAC	209.43	029.43	R		10 7000 17500	15 18
2	SW	WP	WP	215.67	035.67	R		10 18000 28000	17 22

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-012937)	284224.80N/0965006.80W	1053	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

CORPUS CHRISTI (FAC 1) AND VICTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2, 3	1	T00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3	1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3	1	54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3	1	KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3	1	KGLS	GALVESTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KAXH	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KEFD	HOUSTON	TX (US)
STAR	BELLR (RNAV)		2	KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KHOU	HOUSTON	TX (US)
STAR	HTOWN (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TEJAS (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KLJV	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	T41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC 1 AND FAC 3 CLASS FROM H TO VH.
2. EXPANDED SERVICE VOLUME (ESV): REMOVED CRP VORTAC R-020 AND ASSOCIATED INFORMATION.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BELLR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 291929.45N/0960519.17W

TYPE: WP, 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	MRA	MAA
1	HUMBLE	IAH	VORTAC	H	220.94	225.94	54.22	54.22	4000	17500
2	PALACIOS	PSX	VORTAC	VH	010.78	018.78	35.44	35.44	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IAH	VORTAC	R-221	55	4000	14600

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	SW		WP	205.94	025.94	R	10	7000	17500	15	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-001025)	291331.00N/0961548.00W	612	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2		T00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2		54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2		KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2		KGLS	GALVESTON	TX (US)
STAR	TSHRT	1, 2		KAXH	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KEFD	HOUSTON	TX (US)
STAR	BELLR (RNAV)		1	KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KLJV	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2		T41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC 2 CLASS FROM H TO VH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BIGTX STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 284917.82N/0963656.48W 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	CORPUS CHRISTI	CRP	VORTAC	VH	029.43	038.43	70.31	70.31		7000	17500
2	VICTORIA	VCT	VOR/DME	L	097.74	103.74		19.71		7000	17500
3	PALACIOS	PSX	VORTAC	VH	273.92	281.92		16.67		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CRP	VORTAC	R-029	71	7000	14600

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CORPUS CHRISTI (FAC 1) AND VICTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2, 3		T00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3		54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3		KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3		KGLS	GALVESTON	TX (US)
STAR	TSHRT	1, 2, 3		KAXH	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KEFD	HOUSTON	TX (US)
STAR	BELLR (RNAV)			KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KHOU	HOUSTON	TX (US)
STAR	HTOWN (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TEJAS (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KLVJ	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		T41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC 1 AND FAC 2 CLASS FROM H TO VH.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: MICHAEL GARRITY
APPROVED BY:	DATE: 08/10/2023	OFFICE: AJV-A423	NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*
ALLAN WILL
 Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COLLT

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 272547.42N/0971152.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
BELLR (RNAV)

FAC

PAT

AIRPORT IDENT
KHOU

CITY
HOUSTON

STATE
TX (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LMEDA

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 282756.74N/0965622.09W

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 FEET	MRA	MAA
1	CORPUS CHRISTI	CRP	VORTAC	VH	029.43	038.43	43.00	43.00	7000	17500
2	VICTORIA	VCT	VOR/DME	L	169.41	175.41	26.09	26.09	7000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CORPUS CHRISTI (FAC 1) AND VICTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2		T00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2		54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2		KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2		KGLS	GALVESTON	TX (US)
STAR	TSHRT	1, 2		KAXH	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KEFD	HOUSTON	TX (US)
STAR	BELLR (RNAV)			KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KHOU	HOUSTON	TX (US)
STAR	HTOWN (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TEJAS (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KLJV	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2		T41	LA PORTE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC 1 CLASS FROM H TO VH.
2. EXPANDED SERVICE VOLUME (ESV): REMOVED CRP R-020 AND ASSOCIATED INFORMATION.
3. FIX USE: CHANGED HTOWN (RNAV) STAR AIRPORT IDENT FROM KHOU TO KIAH.
4. REQUIRED CHARTING: ADDED EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PURKY STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292620.05N/0962915.52W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	BELLR (RNAV)			KHOU	HOUSTON	TX (US)
STAR						

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 01/08/2015

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: OFFICE: NAME:

APPROVED BY: DATE: 08/10/2023 OFFICE: AJV-A423 NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*

ALLAN WILL

Aug 14, 2023

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: IAH APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHERE

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 292806.86N/0962850.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
BELLR (RNAV)

FAC

PAT

AIRPORT IDENT
KHOU

CITY
HOUSTON

STATE
TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/10/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VILLI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 293740.49N/0952312.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BAYYY (RNAV)			KHOU	HOUSTON	TX (US)
STAR	BELLR (RNAV)			KHOU	HOUSTON	TX (US)
STAR	CESAN (RNAV)			KHOU	HOUSTON	TX (US)
STAR	KIDDZ (RNAV)			KHOU	HOUSTON	TX (US)
STAR	TKNIQ (RNAV)			KHOU	HOUSTON	TX (US)
STAR	WAPPL (RNAV)			KHOU	HOUSTON	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. FIX USE: REMOVED CESAN (RNAV) AND WAPPL (RNAV) STARS @ T00, KLBX, KBYY, 54T, KHPY, KGLS, KAXH, KEFD, KIWS, KLVJ, KSGR, KTME, T41, AND KARM. REMOVED TKNIQ (RNAV) STAR @ KLBX, 54T, KHPY, KGLS, KAXH, KEFD, KIWS, KLVJ, KSGR, KTME, AND T41.
2. REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 14, 2023

QUALITY
14
CHECKED