

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: NO CHANGE

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	H	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	H	250.64	258.64	23.27	23.27	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CRP	VORTAC	R-029	60	7000	14600

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 PATTERN.

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	KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3	1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3	1	K54T	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)	1, 2, 3	2	KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3	1	KHOU	HOUSTON	TX (US)
STAR	HTOWN (RNAV)	1, 2, 3	1	KIAH	HOUSTON	TX (US)
STAR	TEJAS (RNAV)	1, 2, 3	1	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	KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

STAR FIX USE: CHANGED TCHDN TO TSHRT.
 ADDED CHARTING: ENROUTE LOW, CONTROLLER LOW.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: JOSEPH ZEDER

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

DISTRIBUTION: NFDC Jan 31, 2020
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: IAH APP CON

QUALITY
 16
 CHECKED

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: BELLR STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 291929.45N/0960519.17W 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	PALACIOS	PSX	VORTAC	H	010.78	018.78	35.44	35.44	4000	17500
2	EAGLE LAKE	ELA	VOR/DME	H	141.32	149.32	23.48	23.48	4000	17500
3	HUMBLE	IAH	VORTAC	H	220.94	225.94	54.22	54.22	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 TIME	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	SW		WP	205.94	025.94	R		10 7000 17500	15 17

CONTROLLING OBSTRUCTIONS:

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

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

EAGLE LAKE (FAC 2) AND HUMBLE (FAC 3) 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		KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3		K54T	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)		1	KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3		KLJV	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		KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

FIX USE: STAR TCHDN CHANGED TO TSHRT.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: JOSEPH ZEDER

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Jan 31, 2020

QUALITY
 16
 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: NO CHANGE

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	H	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	H	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		KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3		K54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3		KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3		KGSL	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		KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

STAR FIX USE: CHANGED TCHDN TO TSHRT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: JOSEPH ZEDER

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE:

Digitally signed by

JACOB POWERS

Jan 31, 2020

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZHU

ATC FACILITY: HOUSTON APP CON

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: CORPUS CHRISTI VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 275413.56N/0972641.57W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION:

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	CORPUS CHRISTI	CRP	VORTAC	H						45000

HOLDING: HOLDING TYPE OF ACTION:

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	N	CRP	VORTAC	012.00	192.00		1-1 1/2	2100 17500	6 16
2	SE		WP	142.67	322.67	R	4	2000 14000	4 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-005225)	280207.00N/0972613.00W	1048	5D
2	200	WINDMILL (48-024271)	275615.08N/0972457.44W	487	5D
2	230	TOWER (48-008980)	274727.36N/0972702.60W	508	1B
UPN	230	TOWER (48-005225)	280207.00N/0972613.00W	1048	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2100

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 CHART PAT 1 ON ENROUTE LOW.
 PAT 1 IS IN ALERT AREA A-632D. PAT 2 IS IN ALERT AREAS A-632B & D.
 ASSIGNED FACILITY MAGVAR: 9 DEGREES EAST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KARRR (RNAV)			KT00	ANAHUAC	TX (US)
DP	INDUSTRY			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	KARRR (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	PALMS			KAUS	AUSTIN	TX (US)
DP	KARRR (RNAV)			K54T	BAYTOWN	TX (US)
DP	KARRR (RNAV)			KHPY	BAYTOWN	TX (US)
DP	KARRR (RNAV)			K6R3	CLEVELAND	TX (US)
DP	INDUSTRY			KGLS	GALVESTON	TX (US)
DP	KARRR (RNAV)			KGLS	GALVESTON	TX (US)
DP	INDUSTRY			KAXH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KAXH	HOUSTON	TX (US)
DP	INDUSTRY			KCXO	HOUSTON	TX (US)
DP	KARRR (RNAV)			KCXO	HOUSTON	TX (US)
DP	INDUSTRY			KDWH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KDWH	HOUSTON	TX (US)
DP	INDUSTRY			KEFD	HOUSTON	TX (US)
DP	KARRR (RNAV)			KEFD	HOUSTON	TX (US)
DP	INDUSTRY			KHOU	HOUSTON	TX (US)
DP	PTRON (RNAV)			KHOU	HOUSTON	TX (US)
DP	INDUSTRY			KIAH	HOUSTON	TX (US)
DP	RITAA (RNAV)			KIAH	HOUSTON	TX (US)
DP	INDUSTRY			KIWS	HOUSTON	TX (US)
DP	KARRR (RNAV)			KIWS	HOUSTON	TX (US)
DP	KARRR (RNAV)			KLVJ	HOUSTON	TX (US)
DP	INDUSTRY			KSGR	HOUSTON	TX (US)
DP	KARRR (RNAV)			KSGR	HOUSTON	TX (US)
DP	INDUSTRY			KTME	HOUSTON	TX (US)
DP	KARRR (RNAV)			KTME	HOUSTON	TX (US)
DP	INDUSTRY			KT41	LA PORTE	TX (US)
DP	KARRR (RNAV)			KT41	LA PORTE	TX (US)
DP	KARRR (RNAV)			KT78	LIBERTY	TX (US)
DP	BOWIE			KSAT	SAN ANTONIO	TX (US)
DP	THREE RIVERS (RNAV)			KSAT	SAN ANTONIO	TX (US)
DP	BOWIE			KSSF	SAN ANTONIO	TX (US)
DP	THREE RIVERS (RNAV)			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J22					(US)
EN ROUTE	J25					(US)
EN ROUTE	J29					(US)
EN ROUTE	V13					(US)
EN ROUTE	V163					(US)
EN ROUTE	V20					(US)
EN ROUTE	V407					(US)
EN ROUTE	V568					(US)
EN ROUTE	V70					(US)
IAP	LOC/DME RWY 31			KALI	ALICE	TX (US)

QUALITY
16
CHECKED

IAP	RNAV (GPS) RWY 13	KALI	ALICE	TX (US)
IAP	RNAV (GPS) RWY 31	KALI	ALICE	TX (US)
IAP	VOR RWY 31	KALI	ALICE	TX (US)
IAP	VOR-A	KALI	ALICE	TX (US)
IAP	ILS OR LOC RWY 13	KCRP	CORPUS CHRISTI	TX (US)
IAP	ILS OR LOC RWY 36	KCRP	CORPUS CHRISTI	TX (US)
IAP	LOC RWY 31	KCRP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) Y RWY 36	KCRP	CORPUS CHRISTI	TX (US)
IAP	RNAV (RNP) Z RWY 31	KCRP	CORPUS CHRISTI	TX (US)
IAP	RNAV (RNP) Z RWY 36	KCRP	CORPUS CHRISTI	TX (US)
IAP	VOR OR TACAN RWY 18	KCRP	CORPUS CHRISTI	TX (US)
IAP	ILS Y OR RNAV (GPS) RWY 13R	KNGP	CORPUS CHRISTI	TX (US)
IAP	ILS Z OR LOC/DME RWY 13R	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 13L	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 17	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 22	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 31L	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 31R	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 35	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 4	KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN RWY 17	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME OR TACAN RWY 35	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME X RWY 31L	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME Y OR TACAN Y RWY 13R	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME Y OR TACAN Y RWY 31L	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME Z OR TACAN Z RWY 13R	KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME Z OR TACAN Z RWY 31L	KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 17	KBKS	FALFURRIAS	TX (US)
IAP	RNAV (GPS) RWY 13	KIKG	KINGSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13	KRBO	ROBSTOWN	TX (US)
IAP	RNAV (GPS) RWY 31	KRBO	ROBSTOWN	TX (US)
IAP	VOR/DME-A	KRBO	ROBSTOWN	TX (US)
IAP	VOR-A	KRKP	ROCKPORT	TX (US)
IAP	RNAV (GPS) RWY 32 (SPECIAL)	KXS67	ROCKPORT	TX (US)
IAP	RNAV (GPS) RWY 14 (SPECIAL)	K38XS	SANTA ELENA	TX (US)
IAP	RNAV (GPS) RWY 32 (SPECIAL)	K38XS	SANTA ELENA	TX (US)
IAP	GPS RWY 14	KT69	SINTON	TX (US)
IAP	GPS RWY 32	KT69	SINTON	TX (US)
IAP	VOR/DME RWY 14	KT69	SINTON	TX (US)
STAR	TSHRT	KT00	ANAHUAC	TX (US)
STAR	TSHRT	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	K54T	BAYTOWN	TX (US)
STAR	TSHRT	KHPY	BAYTOWN	TX (US)
STAR	TSHRT	KGLS	GALVESTON	TX (US)
STAR	TSHRT	KAXH	HOUSTON	TX (US)
STAR	TSHRT	KEFD	HOUSTON	TX (US)
STAR	BELLR (RNAV)	KHOU	HOUSTON	TX (US)
STAR	TSHRT	KHOU	HOUSTON	TX (US)
STAR	DUUUK	KIAH	HOUSTON	TX (US)
STAR	HTOWN (RNAV)	KIAH	HOUSTON	TX (US)
STAR	TEJAS (RNAV)	KIAH	HOUSTON	TX (US)
STAR	TSHRT	KIWS	HOUSTON	TX (US)
STAR	TSHRT	KLJV	HOUSTON	TX (US)
STAR	TSHRT	KSGR	HOUSTON	TX (US)
STAR	TSHRT	KTME	HOUSTON	TX (US)
STAR	TSHRT	KT41	LA PORTE	TX (US)
STAR	LEMIG	KSAT	SAN ANTONIO	TX (US)
STAR	LEMIG	KSKF	SAN ANTONIO	TX (US)
STAR	LEMIG	KSSF	SAN ANTONIO	TX (US)
STAR	LEMIG	KRND	UNIVERSAL CITY	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

UPDATED FIX USE, CHANGED TCHDN STAR TO TSHRT STAR

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A442

NAME: JOSEPH ZEDER

APPROVED BY:

DATE:

OFFICE: AJV-A440

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*

JACOB POWERS

Jan 31, 2020



DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: CRP APP/CON, NQI APP/CON
 OTHER:

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HYDRL STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 290312.94N/0962411.27W TYPE: 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	H	029.43	038.43	88.14	88.14	7000	17500
2	PALACIOS	PSX	VORTAC	H	335.59	343.59		18.04	7000	17500
3	HUMBLE	IAH	VORTAC	H	220.94	225.94		77.38	7000	17500
4	SAN ANTONIO	SAT	VORTAC	H	105.56	113.56	107.62	113.56	9500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CRP	VORTAC	R-029	89	7000	14600
IAH	VORTAC	R-221	78	7000	14600
SAT	VORTAC	R-106	114	9500	15700

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-004281)	284807.00N/0963310.00W	1049	5D

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2, 3, 4	1	KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	K54T	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KHPY	BAYTOWN	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KGLS	GALVESTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KAXH	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KEFD	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KLVJ	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2, 3, 4	1	KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

ADDED SAT AS FAC 4.
 REMOVED PSX DME.
 ADDED FACS 3/4 TO TSHRT FIX USE.
 CHANGED FIX USE TCHDN TO TSHRT.
 ADDED SAT ESV DATA.
 CHANGED IAH ESV DATA: MAX ALTITUDE CHANGED FROM 17500 TO 14600.

QUALITY
16
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	MRA	MAA
1	CORPUS CHRISTI	CRP	VORTAC	H	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

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CRP	VORTAC	R-029	43	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		KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2		K54T	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	HTOWN (RNAV)			KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KHOU	HOUSTON	TX (US)
STAR	TEJAS (RNAV)			KIAH	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KLVJ	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

STAR FIX USE: CHANGED TCHDN TO TSHRT.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: JOSEPH ZEDER

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*
JACOB POWERS

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

Jan 31, 2020

QUALITY
16
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TSHRT STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 293236.80N/0954959.39W TYPE: 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	EAGLE LAKE	ELA	VOR/DME	H	097.59	105.59	26.30	26.30	4000	17500
2	HUMBLE	IAH	VORTAC	H	220.94	225.94	35.50	35.50	4000	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

EAGLE LAKE (FAC 1) AND HUMBLE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TSHRT	1, 2		KT00	ANAHUAC	TX (US)
STAR	TSHRT	1, 2		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT	1, 2		K54T	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	TSHRT	1, 2		KHOU	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KIWS	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KLVJ	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KSGR	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KTME	HOUSTON	TX (US)
STAR	TSHRT	1, 2		KT41	LA PORTE	TX (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

ELA TRUE/MAG BRG CHANGED FROM 106.73/098.73 TO 105.59/097.59; DIST FROM 26.00 TO 26.30 NM.
 IAH TRUE/MAG BRG CHANGED FROM 225.94/220.94 TO 225.94/220.94; DIST FROM 36.10 TO 35.50 NM.
 FIX MOVED 3659 FT TO THE NE; COORDINATES UPDATED.
 REMOVED FAC 3 HUB FROM FIX MAKE-UP AND FIX USE.
 FIX ESTABLISHMENT REMARK CHANGED TO IAH/ELA.
 FIX USE: STAR TCHDN CHANGED TO TSHRT.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: JOSEPH ZEDER
 APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN
 SIGNATURE: *Digitally signed by*
JACOB POWERS
 Jan 31, 2020
 DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: HOUSTON APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: VICTORIA VOR/DME STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 285401.15N/0965844.16W TYPE:

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	VICTORIA	VCT	VOR/DME	L						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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	VCT	VOR/DME	306.80	126.80	R	1	2000 6000	7 9
2	NW	VCT	VOR/DME	308.45	128.45	R	1	2100 6000	8 9
3	NW	VCT	VOR/DME	306.80	126.80	R	1	2200 6000	8 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (48-000949)	285015.00N/0965900.00W	555	3C
2	265	TOWER (48-005059)	285033.00N/0970615.00W	628	5D
3	310	TOWER (48-014165)	285043.38N/0970734.01W	1182	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	VOR RWY 13L	KVCT	VICTORIA	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 13			KPSX	PALACIOS	TX (US)
IAP	ILS OR LOC/DME RWY 13L		2	KVCT	VICTORIA	TX (US)
IAP	VOR RWY 13L		3	KVCT	VICTORIA	TX (US)
IAP	VOR/DME RWY 31R		1	KVCT	VICTORIA	TX (US)
IAP	RNAV (GPS) RWY 31			KT85	YOAKUM	TX (US)
STAR	TSHRT			KT00	ANAHUAC	TX (US)
STAR	TSHRT			KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT			K54T	BAYTOWN	TX (US)
STAR	TSHRT			KHPY	BAYTOWN	TX (US)
STAR	TSHRT			KGLS	GALVESTON	TX (US)
STAR	TSHRT			KAXH	HOUSTON	TX (US)
STAR	TSHRT			KEFD	HOUSTON	TX (US)
STAR	TSHRT			KHOU	HOUSTON	TX (US)
STAR	TSHRT			KIWS	HOUSTON	TX (US)
STAR	TSHRT			KLVJ	HOUSTON	TX (US)
STAR	TSHRT			KSGR	HOUSTON	TX (US)
STAR	TSHRT			KTME	HOUSTON	TX (US)
STAR	TSHRT			KTME	HOUSTON	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

FIX USE: ADDED TSHRT STAR
 REQUIRED CHARTING: ADDED CONTROLLER LOW

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A442 NAME: JOSEPH ZEDER

APPROVED BY: DATE: OFFICE: AJV-A440 NAME: PATRICK MULQUEEN

SIGNATURE: Digitally signed by

JACOB POWERS

Jan 31, 2020



DISTRIBUTION: **NFDC**
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: VCT ATCT
 OTHER:

QUALITY
16
CHECKED