

RADIO FIX AND HOLDING DATA RECORD

NAME: BOCCK

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 295612.26N/0961227.32W

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
DP	BORRN (RNAV)			T00	ANAHUAC	TX (US)
DP	BORRN (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	BORRN (RNAV)			54T	BAYTOWN	TX (US)
DP	BORRN (RNAV)			KHPY	BAYTOWN	TX (US)
DP	BORRN (RNAV)			6R3	CLEVELAND	TX (US)
DP	BORRN (RNAV)			KGLS	GALVESTON	TX (US)
DP	BORRN (RNAV)			KAXH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KCXO	HOUSTON	TX (US)
DP	BORRN (RNAV)			KDWH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KEFD	HOUSTON	TX (US)
DP	RETYR (RNAV)			KHOU	HOUSTON	TX (US)
DP	BNDTO (RNAV)			KIAH	HOUSTON	TX (US)
DP	PITZZ (RNAV)			KIAH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KIWS	HOUSTON	TX (US)
DP	BORRN (RNAV)			KLVJ	HOUSTON	TX (US)
DP	BORRN (RNAV)			KSGR	HOUSTON	TX (US)
DP	BORRN (RNAV)			KTME	HOUSTON	TX (US)
DP	BORRN (RNAV)			T41	LA PORTE	TX (US)
DP	BORRN (RNAV)			T78	LIBERTY	TX (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INT, DME" FROM TYPE.
2. REMOVED FAC 1 (IDU), FAC 2 (TNV), FAC 3 (LFK) FROM FIX MAKE-UP FACILITIES - INDUSTRY DP AND BITTER STAR CANCELLATION.
3. REMOVED "IDU, VORTAC, R-085, 19, 18400, 45000 AND LFK VORTAC R-222 107 18200 18300" FROM EXPANDED SERVICE VOLUME (ESV).
4. REMOVED "INDUSTRY (FAC 1) AND NAVASOTA (FAC 2) USED TO ESTABLISH FIX COORDINATES" IN REMARKS.
5. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" AND "BITTER AT KAUS, KEDC, KHYI, KGTU, KRYW, 3R9, T74" FROM FIX USE.
6. REMOVED "STAR" FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Oct 24, 2024



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:** 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						45000

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	N	CRP	VORTAC	012.00	192.00	R	1	2100 17500	4 16
2	SE		WP	142.67	322.67	R	4	2000 14000	4 11
3	NW		WP	300.00	120.00	R	10	10000 45000	15 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005225)	280207.00N/0972613.00W	1048	5D
2	200	BRIDGE (48-144965)	274842.09N/0972403.61W	562	4D
3	230	TOWER (48-005225)	280207.00N/0972613.00W	1048	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

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
SPECIAL DP	HAZZE (RNAV)			71TT	CORPUS CHRISTI	TX (US)
SPECIAL IAP	COPTER RNAV (GPS) RWY 16			71TT	CORPUS CHRISTI	TX (US)
SPECIAL IAP	RNAV (GPS) RWY 32			XS67	ROCKPORT	TX (US)
SPECIAL IAP	RNAV (GPS) RWY 14			38XS	SANTA ELENA	TX (US)
SPECIAL IAP	RNAV (GPS) RWY 32			38XS	SANTA ELENA	TX (US)
DP	KARRR (RNAV)			T00	ANAHUAC	TX (US)
DP	KARRR (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	PALMS			KAUS	AUSTIN	TX (US)
DP	KARRR (RNAV)			54T	BAYTOWN	TX (US)
DP	KARRR (RNAV)			KHPY	BAYTOWN	TX (US)
DP	KARRR (RNAV)			6R3	CLEVELAND	TX (US)
DP	KARRR (RNAV)			KGLS	GALVESTON	TX (US)
DP	KARRR (RNAV)			KAXH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KCXO	HOUSTON	TX (US)
DP	KARRR (RNAV)			KDWH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KEFD	HOUSTON	TX (US)
DP	PTRON (RNAV)			KHOU	HOUSTON	TX (US)
DP	RITAA (RNAV)			KIAH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KIWS	HOUSTON	TX (US)
DP	KARRR (RNAV)			KLVJ	HOUSTON	TX (US)
DP	KARRR (RNAV)			KSGR	HOUSTON	TX (US)
DP	KARRR (RNAV)			KTME	HOUSTON	TX (US)
DP	KARRR (RNAV)			T41	LA PORTE	TX (US)
DP	KARRR (RNAV)			T78	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	T499					(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)
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	1	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 18		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 36		KNGP	CORPUS CHRISTI	TX (US)
IAP	RNAV (GPS) RWY 4		KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN RWY 18		KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN RWY 36		KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN X RWY 31L		KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN Z RWY 13R		KNGP	CORPUS CHRISTI	TX (US)
IAP	TACAN Z RWY 31L		KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME OR TACAN Y RWY 13R		KNGP	CORPUS CHRISTI	TX (US)
IAP	VOR/DME OR TACAN Y 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 OR TACAN-A		KRKP	ROCKPORT	TX (US)
IAP	RNAV (GPS) RWY 14		T69	SINTON	TX (US)
IAP	RNAV (GPS) RWY 32		T69	SINTON	TX (US)
IAP	VOR RWY 14		T69	SINTON	TX (US)
STAR	TSHRT		T00	ANAHUAC	TX (US)
STAR	TSHRT		KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TSHRT		54T	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)	3	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		KLJ	HOUSTON	TX (US)
STAR	TSHRT		KSGR	HOUSTON	TX (US)
STAR	TSHRT		KTME	HOUSTON	TX (US)
STAR	TSHRT		T41	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, SPECIAL DP, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AVJ-A432

NAME: JOSEPH ZEDER

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Oct 24, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: JUNCTION VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 303552.88N/0994902.93W 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 FEET	MRA	MAA
1	JUNCTION	JCT	VORTAC	H						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	NW	JCT	VORTAC	324.37	144.37	R	1	4000 8000	4 8
2	W	JCT	VORTAC	290.00	110.00	L	10	18000 45000	16 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-000063)	304210.00N/0995456.00W	2623	4D
2	265	AAO	303948.00N/1000439.00W	2461	4B

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 8E (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BORRN (RNAV)			T00	ANAHUAC	TX (US)
DP	BORRN (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	AUSTIN			KAUS	AUSTIN	TX (US)
DP	BORRN (RNAV)			54T	BAYTOWN	TX (US)
DP	BORRN (RNAV)			KHPY	BAYTOWN	TX (US)
DP	BORRN (RNAV)			6R3	CLEVELAND	TX (US)
DP	BORRN (RNAV)			KGLS	GALVESTON	TX (US)
DP	BORRN (RNAV)			KAXH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KCXO	HOUSTON	TX (US)
DP	JUNCTION			KCXO	HOUSTON	TX (US)
DP	BORRN (RNAV)			KDWH	HOUSTON	TX (US)
DP	JUNCTION			KDWH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KEFD	HOUSTON	TX (US)
DP	RETYR (RNAV)			KHOU	HOUSTON	TX (US)
DP	JUNCTION			KIAH	HOUSTON	TX (US)
DP	BORRN (RNAV)			KIWS	HOUSTON	TX (US)
DP	BORRN (RNAV)			KLVJ	HOUSTON	TX (US)
DP	BORRN (RNAV)			KSGR	HOUSTON	TX (US)
DP	BORRN (RNAV)			KTME	HOUSTON	TX (US)
DP	BORRN (RNAV)			T41	LA PORTE	TX (US)
DP	BORRN (RNAV)			T78	LIBERTY	TX (US)
EN ROUTE	J15					(US)
EN ROUTE	J2					(US)
EN ROUTE	J86					(US)
EN ROUTE	Q20					(US)
EN ROUTE	T466					(US)
EN ROUTE	V198					(US)
EN ROUTE	V222					(US)
EN ROUTE	V306					(US)
EN ROUTE	V556					(US)
EN ROUTE	V68					(US)
IAP	RNAV (GPS) RWY 17			KJCT	JUNCTION	TX (US)
IAP	VOR-A		1	KJCT	JUNCTION	TX (US)
IAP	RNAV (GPS) RWY 14			KECU	ROCKSPRINGS	TX (US)
IAP	VOR RWY 14			KECU	ROCKSPRINGS	TX (US)
STAR	CENTERPOINT		2	KSAT	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSAT	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KSKF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSKF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KSSF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSSF	SAN ANTONIO	TX (US)
STAR	CENTERPOINT		2	KRND	UNIVERSAL CITY	TX (US)
STAR	STONEWALL			KRND	UNIVERSAL CITY	TX (US)

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

QUALITY
23
CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" FROM FIX USE.
2. ADDED PAT 2 AND ASSOCIATED OBSTRUCTION TO HOLDING PATTERNS.
3. ADDED "PAT 2 ATC REQUEST" IN REASON FOR NONSTANDARD HOLDING.
4. ADDED PAT 2 TO CENTERPOINT STAR IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Oct 24, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: LAREDO VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 272843.45N/0992503.64W 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	FEET	MRA	MAA
1	LAREDO	LRD	VORTAC	VH							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	LRD	VORTAC	132.00	312.00	R	1		2500	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008419)	272716.26N/0992516.95W	997	1A
1	310	TOWER (48-001919)	273113.00N/0993120.00W	1449	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR OR TACAN RWY 14	KLRD	LAREDO	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN PROTECTED AIRSPACE OVERLAP MEXICO BOUNDARY.
MAG VAR E9/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) M RWY 15			2XS2	CARRIZO SPRINGS	TX (US)
SPECIAL IAP	RNAV (GPS) M RWY 33			2XS2	CARRIZO SPRINGS	TX (US)
DP	BOWIE			KSAT	SAN ANTONIO	TX (US)
DP	BOWIE			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J21					(US)
EN ROUTE	J22					(US)
EN ROUTE	V359					(US)
EN ROUTE	V17					TX (US)
IAP	RNAV (GPS) RWY 13			KHBV	HEBBRONVILLE	TX (US)
IAP	ILS OR LOC RWY 18R			KLRD	LAREDO	TX (US)
IAP	LOC BC RWY 36L			KLRD	LAREDO	TX (US)
IAP	VOR OR TACAN RWY 14		1	KLRD	LAREDO	TX (US)
IAP	VOR OR TACAN RWY 32			KLRD	LAREDO	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, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" FROM FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: ROBERT SWINSON

APPROVED BY: DATE: 02/20/2025 OFFICE: AJV-A432 NAME: JOSEPH ZEDER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Oct 24, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: NAVASOTA VOR/DME STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 301718.70N/0960329.66W 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 FEET	MRA	MAA
1	NAVASOTA	TNV	VOR/DME	VH						45000

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	TNV	VOR/DME	297.95	117.95	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010397)	301820.00N/0960141.00W	807	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 8E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CRIED			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	JOE POOL			KGKY	ARLINGTON	TX (US)
DP	CENTEX			KAUS	AUSTIN	TX (US)
DP	JOE POOL			KADS	DALLAS	TX (US)
DP	CURLO (RNAV)			KDAL	DALLAS	TX (US)
DP	JOE POOL			KDAL	DALLAS	TX (US)
DP	RAMBL (RNAV)			KDAL	DALLAS	TX (US)
DP	VENUS			KDAL	DALLAS	TX (US)
DP	JOE POOL			KRBD	DALLAS	TX (US)
DP	JOE POOL			KTKI	DALLAS	TX (US)
DP	DARTZ (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KEENE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TRI-GATE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDTO	DENTON	TX (US)
DP	JOE POOL			KAFW	FORT WORTH	TX (US)
DP	JOE POOL			KFTW	FORT WORTH	TX (US)
DP	JOE POOL			KFWS	FORT WORTH	TX (US)
DP	JOE POOL			KNFW	FORT WORTH	TX (US)
DP	CRIED			KGLS	GALVESTON	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	CRIED			KAXH	HOUSTON	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	CRIED			KCXO	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	CRIED			KDWH	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	CRIED			KEFD	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	CRIED			KHOU	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	CRIED			KIAH	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	CRIED			KIWS	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	CRIED			KSGR	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	CRIED			KTME	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	CRIED			T41	LA PORTE	TX (US)
DP	LEONA			T41	LA PORTE	TX (US)
DP	JOE POOL			KLNC	LANCASTER	TX (US)
DP	JOE POOL			KHQZ	MESQUITE	TX (US)
EN ROUTE	J87					(US)
EN ROUTE	V15					(US)
EN ROUTE	V212					(US)
EN ROUTE	V306					(US)
EN ROUTE	V571					(US)
EN ROUTE	V574					(US)

QUALITY
23
CHECKED

IAP	VOR OR TACAN RWY 11		KCLL	COLLEGE STATION	TX (US)
IAP	VOR RWY 29		KCLL	COLLEGE STATION	TX (US)
IAP	ILS OR LOC RWY 14		KCXO	HOUSTON	TX (US)
IAP	NDB RWY 14		KCXO	HOUSTON	TX (US)
IAP	LOC RWY 17R	1	KDWH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26L		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 26R		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 33R		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 8L		KIAH	HOUSTON	TX (US)
IAP	ILS OR LOC RWY 9		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (CAT II & III)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26L (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (CAT II & III)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 26R (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (CAT II & III))		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 8L (SA CAT 1)		KIAH	HOUSTON	TX (US)
IAP	ILS RWY 9 (SA CAT I & II)		KIAH	HOUSTON	TX (US)
IAP	VOR-D		KIWS	HOUSTON	TX (US)
IAP	VOR-A	1	60R	NAVASOTA	TX (US)
STAR	RIICE		6R3	CLEVELAND	TX (US)
STAR	RIICE		KCXO	HOUSTON	TX (US)
STAR	RIICE		KDWH	HOUSTON	TX (US)
STAR	DUUUK		KIAH	HOUSTON	TX (US)
STAR	RIICE		KIAH	HOUSTON	TX (US)
STAR	RIICE		T78	LIBERTY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" AND "BITER AT 3R9, KAUS, KEDC, KHYI, KGTU, KRYW" FROM FIX USE - INDUSTRY DP AND BITER STAR CANCELLATION.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** ROBERT SWINSON

APPROVED BY: **DATE:** 02/20/2025 **OFFICE:** AJV-A432 **NAME:** JOSEPH ZEDER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
 Oct 24, 2024

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SHYNR

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 295538.29N/0960225.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE		WP	120.00	300.00	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010010)	295751.00N/0960145.00W	590	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 15		1	KIWS	HOUSTON	TX (US)
IAP	RNAV (GPS) RWY 33		1	KIWS	HOUSTON	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INT, DME" FROM TYPE.
2. REMOVED "FAC 1 (IAH), FAC2 (IDU), FAC 3 (TNV)" FROM FIX MAKE-UP FACILITIES - INDUSTRY DP AND BITTER STAR CANCELLATION.
3. REMOVED "HUMBLE (FAC 1) AND INDUSTRY (FAC 2) USED TO ESTABLISH FIX COORDINATES" IN REMARKS.
4. REMOVED "INDUSTRY AT KIAH, KLBX, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" AND "BITTER AT KAUS, KEDC, KHYI, KGTU, KRWY, 3R9, 6R4" FROM FIX USE.
5. REMOVED "DP AND STAR", CHANGED "CONTROLLER" TO "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Oct 24, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: STONEWALL VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 301224.33N/0984220.72W 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	FEET	MRA	MAA
1	STONEWALL	STV	VORTAC	VH							45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E	STV	VORTAC	094.00	274.00	R	1		4100	8000	5	8
2	N	STV	VORTAC	345.00	165.00	R	1		6000	14000	7	10
3	N		WP	345.00	165.00	R		5	4100	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010562)	300814.00N/0983636.00W	3049	5D
2	200	TOWER (48-009288)	300803.00N/0984021.00W	2449	5E
3	200	TOWER (48-009288)	300803.00N/0984021.00W	2449	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 8E (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) RWY 12		3	XS75	ROUND MOUNTAIN	TX (US)
SPECIAL IAP	RNAV (GPS) RWY 30		3	XS75	ROUND MOUNTAIN	TX (US)
DP	AUSTIN			KAUS	AUSTIN	TX (US)
DP	LAMPS			KHLR	FORT HOOD (KILLEEN)	TX (US)
DP	LAMPS			KGRK	FORT HOOD/KILLEEN	TX (US)
DP	LAMPS			KILE	KILLEEN	TX (US)
DP	ALAMO			KSAT	SAN ANTONIO	TX (US)
DP	LEJON			KSAT	SAN ANTONIO	TX (US)
DP	ALAMO			KSSF	SAN ANTONIO	TX (US)
DP	LEJON			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	T466					(US)
EN ROUTE	T499					(US)
EN ROUTE	V222					(US)
EN ROUTE	V358					(US)
EN ROUTE	V556					(US)
EN ROUTE	V568		2			(US)
IAP	ILS OR LOC RWY 18R			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 36L			KAUS	AUSTIN	TX (US)
IAP	ILS OR LOC RWY 13			KHYI	AUSTIN	TX (US)
IAP	VOR/DME-A		1	T82	FREDERICKSBURG	TX (US)
IAP	LOC RWY 30			KERV	KERRVILLE	TX (US)
IAP	RNAV (GPS) RWY 30			KERV	KERRVILLE	TX (US)
IAP	ILS OR LOC RWY 4			KSAT	SAN ANTONIO	TX (US)
STAR	MARCS			KSAT	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSAT	SAN ANTONIO	TX (US)
STAR	MARCS			KSKF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSKF	SAN ANTONIO	TX (US)
STAR	MARCS			KSSF	SAN ANTONIO	TX (US)
STAR	STONEWALL			KSSF	SAN ANTONIO	TX (US)
STAR	MARCS			KRND	UNIVERSAL CITY	TX (US)
STAR	STONEWALL			KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMOVED "INDUSTRY AT KIAH, KGLS, KAXH, KCXO, KDWH, KEFD, KHOU, KIWS, KSGR, KTME, T41" AND "CENTERPOINT STAR AT KSAT, KSKF, KSSF, KRND" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:



OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: ROBERT SWINSON

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

Digitally signed by

SIGNATURE:

CASIMIR L TABAKA

Oct 24, 2024

QUALITY
23
CHECKED