

RADIO FIX AND HOLDING DATA RECORD

NAME: BROWNSVILLE VORTAC STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 255526.66N/0972230.97W 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	BROWNSVILLE	BRO	VORTAC	H						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	NE	BRO	VORTAC	062.00	242.00	R	1	1900 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-008391)	255749.00N/0971432.00W	400	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
 PAT 1 PER ATC REQUEST
 MAGVAR: 1965/E09

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J25					(US)
EN ROUTE	V163					(US)
EN ROUTE	V17					(US)
EN ROUTE	V407					(US)
EN ROUTE	V70					(US)
IAP	ILS OR LOC RWY 13		KBRO	BROWNSVILLE		TX (US)
IAP	LOC BC RWY 31		KBRO	BROWNSVILLE		TX (US)
IAP	RNAV (GPS) RWY 13		KBRO	BROWNSVILLE		TX (US)
IAP	VOR OR TACAN -A		KBRO	BROWNSVILLE		TX (US)
IAP	LOC/DME BC RWY 35L		KHRL	HARLINGEN		TX (US)
IAP	RNAV (GPS) RWY 35R		KHRL	HARLINGEN		TX (US)
IAP	RNAV (GPS) Y RWY 35L		KHRL	HARLINGEN		TX (US)
IAP	VOR Z RWY 31		KHRL	HARLINGEN		TX (US)
IAP	VOR/DME RWY 35L		KHRL	HARLINGEN		TX (US)
IAP	VOR/DME Y OR TACAN RWY 31		KHRL	HARLINGEN		TX (US)
IAP	VOR-A		KPIL	PORT ISABEL		TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KPIL VOR/DME-B - PROCEDURE CANCELLED, V13 REMOVED

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-5411 NAME: ERIC N SUSKI
 APPROVED BY: DATE: OFFICE: AJV-5410 NAME: GEORGE DAVIS
 SIGNATURE: *Digitally signed by*
BEV L BORDY
 Sep 27, 2018
 DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: BRO ATCT
 OTHER: VALLEY APPROACH

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CISER

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261032.09N/0972103.84W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BROWNSVILLE	BRO	VORTAC	H	355.96	004.96	15.10			400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME-B			KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/30/2003

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 03/13/2003

OFFICE: AJV-5411

NAME: ERIC N SUSKI

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*

BEV L BORDY

Sep 27, 2018

DISTRIBUTION:

NFDC

FPO: FTW

ARTCC: ZHU

ATC FACILITY: VALLEY

OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DIDAY

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 262125.36N/0972000.92W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BROWNSVILLE	BRO	VORTAC	H	355.96	004.96	26.00			1500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME-B			KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/30/2003

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/02/2003

OFFICE: AJV-5411

NAME: ERIC N SUSKI

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION:

NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: VALLEY
OTHER:

Sep 27, 2018

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARLINGEN VOR/DME **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 261345.21N/0973908.15W **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 FEET	MAA
1	HARLINGEN	HRL	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	S	HRL	VOR/DME	160.00	340.00	R	1	2000 14000	4 10
2	N	HRL	VOR/DME	013.00	193.00	R	1	1600 14000	4 10
3	S	HRL	VOR/DME	188.00	008.00	L	1	2000 14000	4 10
4	NW	HRL	VOR/DME	326.00	146.00	R	1	2000 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-009045)	260920.52N/0974129.16W	533	2C
2	200	WINDMILL (48-026545)	261931.46N/0973845.92W	524	5D
3	200	TOWER (48-009045)	260920.52N/0974129.16W	533	2C
4	200	TOWER (48-010518)	261449.86N/0974622.38W	529	2C

REASON FOR NONSTANDARD HOLDING:

PAT 3 FLIGHT CHECK REQUESTED

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR: 2005/E05

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V17, V407					TX (US)
IAP	ILS OR LOC RWY 13		4	KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13			KBRO	BROWNSVILLE	TX (US)
IAP	ILS OR LOC RWY 17R			KHRL	HARLINGEN	TX (US)
IAP	VOR Z RWY 31		4	KHRL	HARLINGEN	TX (US)
IAP	VOR/DME RWY 17L		3	KHRL	HARLINGEN	TX (US)
IAP	VOR/DME RWY 17R		1	KHRL	HARLINGEN	TX (US)
IAP	VOR/DME RWY 35L		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) RWY 13			KPIL	PORT ISABEL	TX (US)
IAP	VOR-A			KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KPIL VOR/DME-B - PROCEDURE CANCELLED

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5411 **NAME:** ERIC N SUSKI

APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** GEORGE DAVIS

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT, VALLEY APP CON, BRO ATCT
OTHER:

Sep 27, 2018



RADIO FIX AND HOLDING DATA RECORD

NAME: HIRLI

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 261938.20N/0973318.01W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	BROWNSVILLE	BRO	VORTAC	H	329.12	338.12	26.00	26.00		1600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO BE REMOVED FROM ENROUTE STRUCTURE AT LATER PUB DATE IF AT REQUESTS REMOVAL.

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
V70

FAC PAT AIRPORT IDENT CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

VOR/DME-B CANCELLED.

FIX USE UPDATED.

MRA CHANGED TO PREVIOUS FC APPROVED V70 MEA OF 1600.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5413

NAME: ERIC N SUSKI

APPROVED BY:

DATE:

OFFICE: AJV-5411

NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION:

NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: VALLEY
OTHER:

Sep 27, 2018

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JONBY STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 261525.65N/0972035.57W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	BROWNSVILLE	BRO	VORTAC	H	355.96	004.96	20.00		1500	17500

HOLDING: HOLDING TYPE OF ACTION: CANCEL

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	BRO	VORTAC	355.96	175.96	L	1	1500 14000	4 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	262239.00N/0972257.00W	239	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	PORT ISABEL-CAMERON COUNTY - VOR/DME-B. HOLDING LIMITED TO ESTABLISHED PATTERN.			KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 10/30/2003

REASON FOR REVISION:

CRITERIA CHANGE

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 06/02/2003	OFFICE: AJV-5411	NAME: ERIC N SUSKI
APPROVED BY:	DATE:	OFFICE: AJV-5410	NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
BEV L BORDY

DISTRIBUTION: NFDC
 FPO: FTW
 ARTCC: ZHU
 ATC FACILITY:
 OTHER: BRO ATCT

Sep 27, 2018

QUALITY
24
CHECKED

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: RELAX STATE: TX COUNTRY: US ICAO REGION CODE: K4
 LATITUDE/LONGITUDE: 261529.69N/0972312.66W 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	BROWNSVILLE	BRO	VORTAC	H	349.21	358.21	20.00	20.00	1800	17500
2	HARLINGEN	HRL	VOR/DME	L	078.03	083.03		14.42	1800	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	N	BRO	VORTAC	349.21	169.21	L	1		2000	14000	4	11
2	N		WP	349.20	169.20	L		4	2000	14000	4	11
3	N		WP	355.21	175.21	L		4	1900	14000	4	11
4	N		WP	353.21	173.21	L		4	2000	14000	4	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
2	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
3	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D
4	200	TOWER (48-013761)	261931.00N/0972526.00W	510	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 PROVIDE PROTECTION FROM V70
 PAT 2 PROVIDE PROTECTION FROM V70
 PAT 3 PROVIDE PROTECTION FROM V70
 PAT 4 PROVIDE PROTECTION FROM V70.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

BROWNSVILLE (FAC 1) AND HARLINGEN (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V163	1, 2				(US)
IAP	ILS OR LOC RWY 13	1, 2		KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 13			KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 18		3	KBRO	BROWNSVILLE	TX (US)
IAP	RNAV (GPS) RWY 17L		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) RWY 35R			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 17R		4	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 35L			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 17R		4	KHRL	HARLINGEN	TX (US)
IAP	VOR-A	1, 2	1	KPIL	PORT ISABEL	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE - REMOVED KPIL VORDME-B

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5411 NAME: ERIC N SUSKI

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*

BEV L BORDY

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZHU
 ATC FACILITY: VALLEY APP CON, BRO ATCT

Sep 27, 2018



OTHER:

