

RADIO FIX AND HOLDING DATA RECORD

NAME: COSDI **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 290642.26N/0960145.51W **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 NM	FAC FEET	MRA	MAA
1	PALACIOS	PSX	VORTAC	H	026.97	034.97	25.39	25.39		2000	17500

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		WP	310.50	130.50	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-014255)	290859.00N/0955915.00W	571	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PALACIOS (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITIOUS TERRRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13	1				(US)
IAP	RNAV (GPS) RWY 13		1	KBYY	BAY CITY	TX (US)
IAP	RNAV (GPS) RWY 31		1	KBYY	BAY CITY	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/22/2017

REASON FOR REVISION:

CHANGED HOLDING COURSE INBOUND FROM 127.50 TO: 130.50-KBYY MAGVAR UPDATE.

DEVELOPED BY: **DATE:** 04/04/2017 **OFFICE:** AJV-5411 **NAME:** ROBERT COOK

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

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 285435.91N/0954716.38W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

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	SE		WP	130.60	310.60	R	4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010540)	285040.00N/0953929.00W	498	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

RNP PFAF FORMULA USED FOR RNAV (GPS) RWY 31.
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KBYX	BAY CITY	TX (US)
IAP	RNAV(GPS) RWY 31			KBYX	BAY CITY	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

CHANGED HOLDING INBOUNG COURSE FROM 307.60 TO: 310.60-KBYX MAGVAR UPDATE.

DEVELOPED BY: DATE: 04/06/2017 OFFICE: AJV-5411 NAME: ROBERT COOK

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

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: PALACIOS VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4

LATITUDE/LONGITUDE: 284551.93N/0961822.25W **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	PALACIOS	PSX	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW	PSX	VORTAC	300.00	120.00	R	1		2000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (48-014729)	284803.70N/0960732.90W	1543	5D
1	200	TOWER (48-011654)	284321.69N/0962155.02W	342	1A

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.
UNPLANNED HOLDING NA ON 061 CW 186 BELOW 16,000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KARRR (RNAV)			KT00	ANAHUAC	TX (US)
DP	KARRR (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	PALACIOS			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	KARRR (RNAV)			K54T	BAYTOWN	TX (US)
DP	KARRR (RNAV)			KHPY	BAYTOWN	TX (US)
DP	KARRR (RNAV)			K6R3	CLEVELAND	TX (US)
DP	KARRR (RNAV)			KGLS	GALVESTON	TX (US)
DP	PALACIOS			KGLS	GALVESTON	TX (US)
DP	KARRR (RNAV)			KAXH	HOUSTON	TX (US)
DP	PALACIOS			KAXH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KCXO	HOUSTON	TX (US)
DP	PALACIOS			KCXO	HOUSTON	TX (US)
DP	KARRR (RNAV)			KDWH	HOUSTON	TX (US)
DP	PALACIOS			KDWH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KEFD	HOUSTON	TX (US)
DP	PALACIOS			KEFD	HOUSTON	TX (US)
DP	PALACIOS			KHOU	HOUSTON	TX (US)
DP	PTRON (RNAV)			KHOU	HOUSTON	TX (US)
DP	PALACIOS			KIAH	HOUSTON	TX (US)
DP	RITAA (RNAV)			KIAH	HOUSTON	TX (US)
DP	KARRR (RNAV)			KIWS	HOUSTON	TX (US)
DP	PALACIOS			KIWS	HOUSTON	TX (US)
DP	KARRR (RNAV)			KLVJ	HOUSTON	TX (US)
DP	KARRR (RNAV)			KSGR	HOUSTON	TX (US)
DP	PALACIOS			KSGR	HOUSTON	TX (US)
DP	KARRR (RNAV)			KTME	HOUSTON	TX (US)
DP	PALACIOS			KTME	HOUSTON	TX (US)
DP	KARRR (RNAV)			KT41	LA PORTE	TX (US)
DP	PALACIOS			KT41	LA PORTE	TX (US)
DP	KARRR (RNAV)			KT78	LIBERTY	TX (US)
DP	HUBEE (RNAV)			KSAT	SAN ANTONIO	TX (US)
DP	HUBEE (RNAV)			KSSF	SAN ANTONIO	TX (US)
EN ROUTE	J177					(US)
EN ROUTE	J22					(US)
EN ROUTE	J29					(US)
EN ROUTE	V13					(US)
EN ROUTE	V20					(US)
EN ROUTE	V407					(US)
EN ROUTE	V70					(US)
IAP	RNAV (GPS) RWY 13			KBYY	BAY CITY	TX (US)
IAP	RNAV (GPS) RWY 31			KBYY	BAY CITY	TX (US)
IAP	VOR-A	1		KBYY	BAY CITY	TX (US)
IAP	VOR RWY 13		1	KPSX	PALACIOS	TX (US)
IAP	VOR/DME-A			KPKV	PORT LAVACA	TX (US)
IAP	ILS OR LOC/DME RWY 13L			KVCT	VICTORIA	TX (US)
IAP	VOR RWY 13L			KVCT	VICTORIA	TX (US)
IAP	NDB RWY 14			KARM	WHARTON	TX (US)
IAP	NDB RWY 32			KARM	WHARTON	TX (US)
STAR	CARNE			KT00	ANAHUAC	TX (US)
STAR	TCHDN			KT00	ANAHUAC	TX (US)

STAR	CARNE	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	TCHDN	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	CARNE	K54T	BAYTOWN	TX (US)
STAR	TCHDN	K54T	BAYTOWN	TX (US)
STAR	CARNE	KHPY	BAYTOWN	TX (US)
STAR	TCHDN	KHPY	BAYTOWN	TX (US)
STAR	WHAEL	K6R3	CLEVELAND	TX (US)
STAR	CARNE	KGLS	GALVESTON	TX (US)
STAR	TCHDN	KGLS	GALVESTON	TX (US)
STAR	CARNE	KAXH	HOUSTON	TX (US)
STAR	TCHDN	KAXH	HOUSTON	TX (US)
STAR	CARNE	KCXO	HOUSTON	TX (US)
STAR	WHAEL	KCXO	HOUSTON	TX (US)
STAR	CARNE	KDWH	HOUSTON	TX (US)
STAR	WHAEL	KDWH	HOUSTON	TX (US)
STAR	CARNE	KEFD	HOUSTON	TX (US)
STAR	TCHDN	KEFD	HOUSTON	TX (US)
STAR	CARNE	KHOU	HOUSTON	TX (US)
STAR	TCHDN	KHOU	HOUSTON	TX (US)
STAR	CARNE	KIAH	HOUSTON	TX (US)
STAR	DUUUK	KIAH	HOUSTON	TX (US)
STAR	CARNE	KIWS	HOUSTON	TX (US)
STAR	TCHDN	KIWS	HOUSTON	TX (US)
STAR	CARNE	KLJV	HOUSTON	TX (US)
STAR	TCHDN	KLJV	HOUSTON	TX (US)
STAR	CARNE	KSGR	HOUSTON	TX (US)
STAR	TCHDN	KSGR	HOUSTON	TX (US)
STAR	CARNE	KTME	HOUSTON	TX (US)
STAR	TCHDN	KTME	HOUSTON	TX (US)
STAR	CARNE	KT41	LA PORTE	TX (US)
STAR	TCHDN	KT41	LA PORTE	TX (US)
STAR	WHAEL	KT78	LIBERTY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

1. UPDATED FIX USE-DELETED KBYN NDB RWY 13 AND "DME" FROM VOR/DME-A.

DEVELOPED BY: **DATE:** 04/05/2017 **OFFICE:** AJV-5411 **NAME:** ROBERT COOK

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

SIGNATURE:

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

QUALITY
30
CHECKED