

RADIO FIX AND HOLDING DATA RECORD

NAME: OLHUF

STATE: TX

COUNTRY: US

ICAO REGION CODE: K4

LATITUDE/LONGITUDE: 313540.57N/0970415.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 35R

FAC

PAT

AIRPORT IDENT
KCNW

CITY
WACO

STATE
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/05/2011

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 10/19/2010

OFFICE: AVN-120

NAME: HERMAN ROGERS

APPROVED BY:

DATE: 03/29/2011

OFFICE: AVN-120

NAME: GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: WACO APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 311233.61N/0972529.88W 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	FEET	MRA	MAA
1	TEMPLE	TPL	VOR/DME	L							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	TPL	VOR/DME	338.00	158.00	R	1	2200 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-014239)	311728.78N/0973244.36W	1154	1A

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	ILS OR LOC RWY 15		1	KTPL	TEMPLE	TX (US)
IAP	VOR RWY 33		1	KTPL	TEMPLE	TX (US)
IAP	VOR RWY 14			KACT	WACO	TX (US)
IAP	NDB RWY 35R			KCNW	WACO	TX (US)
IAP	RNAV (GPS) RWY 35R			KCNW	WACO	TX (US)
STAR	KNEAD			KGKY	ARLINGTON	TX (US)
STAR	KALLA			K3R9	AUSTIN	TX (US)
STAR	KALLA			KAUS	AUSTIN	TX (US)
STAR	KNEAD			KCPT	CLEBURNE	TX (US)
STAR	KNEAD			KADS	DALLAS	TX (US)
STAR	KNEAD			KDAL	DALLAS	TX (US)
STAR	KNEAD			KRBD	DALLAS	TX (US)
STAR	KNEAD			KTKI	DALLAS	TX (US)
STAR	KNEAD			KFWS	FORT WORTH	TX (US)
STAR	KALLA			KGTU	GEORGETOWN	TX (US)
STAR	KNEAD			KGPM	GRAND PRAIRIE	TX (US)
STAR	KNEAD			KLNC	LANCASTER	TX (US)
STAR	KNEAD			KHQZ	MESQUITE	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

UPDATED FIX USE: DELETED KTPL VOR RWY 15 IAP - PROCEDURE CANCELLED

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 06/30/2016 OFFICE: AJV-5421 NAME: JOHN ROSARIO

APPROVED BY: DATE: OFFICE: AJV-A43 NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZFW, ZHU
ATC FACILITY: GRK APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WACO VORTAC **STATE:** TX **COUNTRY:** US **ICAO REGION CODE:** K4
LATITUDE/LONGITUDE: 313944.03N/0971608.45W **TYPE:**

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 FEET	MAA
1	WACO	ACT	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	NW	ACT	VORTAC	328.00	148.00		1	3000 6000	4 5
2	N		WP	018.17	198.17	R	4	2500 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010156)	314411.97N/0971928.01W	1065	5D
1	310	TOWER (48-008113)	314740.57N/0972718.05W	1299	5D
2	200	TOWER (48-010156)	314411.97N/0971928.01W	1065	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 32	KACT	WACO	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 9E (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
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	JASPA (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	NELYN (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JOE POOL			KDTO	DENTON	TX (US)
DP	LAMPS			KHLR	FORT HOOD (KILLEEN)	TX (US)
DP	LAMPS			KGRK	FORT HOOD/KILLEEN	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	LEONA			KGLS	GALVESTON	TX (US)
DP	JOE POOL			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LAMPS			KILE	KILLEEN	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	JOE POOL			KLNC	LANCASTER	TX (US)
DP	JOE POOL			KHQZ	MESQUITE	TX (US)
DP	TAKE-OFF MINIMUMS			KPWG	WACO	TX (US)
EN ROUTE	J21					(US)
EN ROUTE	J25					(US)
EN ROUTE	J50					(US)
EN ROUTE	V15					(US)
EN ROUTE	V17					(US)
EN ROUTE	V358					(US)

EN ROUTE	V54			(US)
EN ROUTE	V548			(US)
IAP	LOC/DME RWY 15	KCPT	CLEBURNE	TX (US)
IAP	RNAV (GPS) RWY 33	KCPT	CLEBURNE	TX (US)
IAP	NDB RWY 14	KCRS	CORSICANA	TX (US)
IAP	NDB RWY 32	KCRS	CORSICANA	TX (US)
IAP	VOR/DME OR GPS-A	KT15	MARLIN	TX (US)
IAP	NDB-A	KLXY	MEXIA	TX (US)
IAP	RNAV (GPS) RWY 36	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
IAP	ILS OR LOC RWY 15	KTPL	TEMPLE	TX (US)
IAP	RNAV (GPS) RWY 15	KTPL	TEMPLE	TX (US)
IAP	ILS OR LOC RWY 19	KACT	WACO	TX (US)
IAP	VOR RWY 14	KACT	WACO	TX (US)
IAP	VOR/DME RWY 32	KACT	WACO	TX (US)
IAP	ILS OR LOC RWY 17L	1 KCNW	WACO	TX (US)
IAP	NDB RWY 35R	1 KCNW	WACO	TX (US)
IAP	RNAV (GPS) RWY 17L	KCNW	WACO	TX (US)
IAP	RNAV (GPS) RWY 35R	KCNW	WACO	TX (US)
IAP	RNAV (GPS) RWY 35	2 KPWG	WACO	TX (US)
IAP	VOR RWY 17	KPWG	WACO	TX (US)
STAR	BLUBELL	KT00	ANAHUAC	TX (US)
STAR	BLUBELL	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	QTRBK	KLBX	ANGLETON/LAKE JACKSON	TX (US)
STAR	DODJE	KGKY	ARLINGTON	TX (US)
STAR	KNEAD	KGKY	ARLINGTON	TX (US)
STAR	BLEWE	KAUS	AUSTIN	TX (US)
STAR	BLEWE	KEDC	AUSTIN	TX (US)
STAR	BLEWE	KHYI	AUSTIN	TX (US)
STAR	BLUBELL	K54T	BAYTOWN	TX (US)
STAR	BLUBELL	KHPY	BAYTOWN	TX (US)
STAR	KNEAD	KCPT	CLEBURNE	TX (US)
STAR	RIICE	K6R3	CLEVELAND	TX (US)
STAR	KNEAD	KADS	DALLAS	TX (US)
STAR	YEAGR	KADS	DALLAS	TX (US)
STAR	KNEAD	KDAL	DALLAS	TX (US)
STAR	YEAGR	KDAL	DALLAS	TX (US)
STAR	DODJE	KRBD	DALLAS	TX (US)
STAR	KNEAD	KRBD	DALLAS	TX (US)
STAR	KNEAD	TKI	DALLAS	TX (US)
STAR	YEAGR	TKI	DALLAS	TX (US)
STAR	BOOVE (RNAV)	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	CEDAR CREEK	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GLEN ROSE	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	YEAGR	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	DODJE	KLUD	DECATUR	TX (US)
STAR	DODJE	KDTO	DENTON	TX (US)
STAR	SLUGG	KDTO	DENTON	TX (US)
STAR	DODJE	KAFW	FORT WORTH	TX (US)
STAR	SLUGG	KAFW	FORT WORTH	TX (US)
STAR	DODJE	KFTW	FORT WORTH	TX (US)
STAR	SLUGG	KFTW	FORT WORTH	TX (US)
STAR	DODJE	KFWS	FORT WORTH	TX (US)
STAR	KNEAD	KFWS	FORT WORTH	TX (US)
STAR	DODJE	KNFW	FORT WORTH	TX (US)
STAR	SLUGG	KNFW	FORT WORTH	TX (US)
STAR	BLUBELL	KGLS	GALVESTON	TX (US)
STAR	QTRBK	KGLS	GALVESTON	TX (US)
STAR	DODJE	KGPM	GRAND PRAIRIE	TX (US)
STAR	KNEAD	KGPM	GRAND PRAIRIE	TX (US)
STAR	BLUBELL	KAXH	HOUSTON	TX (US)
STAR	RIICE	KCXO	HOUSTON	TX (US)
STAR	RIICE	KDWH	HOUSTON	TX (US)
STAR	BLUBELL	KEFD	HOUSTON	TX (US)
STAR	QTRBK	KEFD	HOUSTON	TX (US)
STAR	BLUBELL	KHOU	HOUSTON	TX (US)
STAR	QTRBK	KHOU	HOUSTON	TX (US)
STAR	RIICE	KIAH	HOUSTON	TX (US)
STAR	BLUBELL	KIWS	HOUSTON	TX (US)
STAR	BLUBELL	KLJV	HOUSTON	TX (US)
STAR	BLUBELL	KSGR	HOUSTON	TX (US)
STAR	BLUBELL	KTME	HOUSTON	TX (US)
STAR	BLUBELL	KT41	LA PORTE	TX (US)
STAR	BLEWE	KRYW	LAGO VISTA	TX (US)
STAR	BLEWE	K3R9	LAKEWAY	TX (US)
STAR	DODJE	KLNC	LANCASTER	TX (US)
STAR	KNEAD	KLNC	LANCASTER	TX (US)
STAR	RIICE	KT78	LIBERTY	TX (US)
STAR	KNEAD	KHQZ	MESQUITE	TX (US)
STAR	YEAGR	KHQZ	MESQUITE	TX (US)
STAR	DODJE	KJWY	MIDLOTHIAN/WAXAHACHIE	TX (US)
STAR	YEAGR	KF46	ROCKWALL	TX (US)
STAR	BRAUN (RNAV)	KSAT	SAN ANTONIO	TX (US)
STAR	MARCS	KSAT	SAN ANTONIO	TX (US)
STAR	BRAUN (RNAV)	KSKF	SAN ANTONIO	TX (US)
STAR	MARCS	KSKF	SAN ANTONIO	TX (US)
STAR	BRAUN (RNAV)	KSSF	SAN ANTONIO	TX (US)
STAR	MARCS	KSSF	SAN ANTONIO	TX (US)
STAR	BLEWE	KT74	TAYLOR	TX (US)
STAR	BRAUN (RNAV)	KRND	UNIVERSAL CITY	TX (US)
STAR	MARCS	KRND	UNIVERSAL CITY	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 08/15/2019

REASON FOR REVISION:

FIX MOVED 37 FT SOUTHEAST BY SURVEY; COORDINATES CHANGED FROM 313944.3870N/0971608.5310W TO 313944.037N/0971608.4498W.
REMOVED KTPL VOR RWY 33 FROM FIX USE.
ADDED CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: KELLY DEAN

APPROVED BY:

DATE:

OFFICE: AJV-A43

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZFW

ATC FACILITY: ACT APP CON

OTHER: