

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES											MISSED APPROACH								
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW31L CLIMB TO 2000 DIRECT EDTED AND ON TRACK 282.91 TO DREWZ AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 104.00 INBOUND. CHART FAS OBST: 161 TOWER 293834N/0951558W DISTANCE TO THLD FROM 200 HATH: 0.45 NM. CHART VDP AT 1.22 NM TO RW31L* *LNAV ONLY. WAAS CHANNEL # 77510 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: -14.6 M								
BUNER (IF)		LESLO (FB)			311.07 / 10.09				2100										
LESLO (FAF)		FAMOG/2.50 NM TO RW31L (FB)			311.00 / 3.78														
FAMOG/2.50 NM TO RW31L		RW31L (MAP) (FO)			310.98 / 2.50														
RW31L (MAP)		243 MSL			310.98														
243 MSL		EDTED (FB)																	
EDTED		DREWZ (FO)			282.91 / 15.78				2000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT BUNER 3. FAC: 311.00 FAF: LESLO DIST FAF TO MAP: 6.28 THLD: 6.28 4. MIN. ALT: BUNER 4000, LESLO 2100, FAMOG/2.50 NM TO RW31L 880* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: LESLO 2100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 57.9 34:1 IS CLEAR 8. MSA FROM: RW31L 3100																MAG VAR: 3E		EPOCH YEAR: 2015	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	243	4000	200	243	4000	200	243	4000	200	243	4000	200							
LNAV/VNAV DA	323	4500	280	323	4500	280	323	4500	280	323	4500	280							
LNAV MDA	500	5500	457	500	5500	457	500	1 3/8	457	500	1 3/8	457							
CIRCLING	500	1	454	520	1	474	740	2 1/4	694	740	2 1/4	694							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F). @ CAT C, D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																			
CITY AND STATE HOUSTON, TX		ELEVATION: 46 TDZE: 43 AIRPORT NAME: WILLIAM P HOBBY			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31L, AMDT 2C 10 NOVEMBER 2016					SUP: RNAV (GPS) RWY							
												AMDT: 2B							
												DATED 04/02/2015							

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHOU
RUNWAY	RW31L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	293811.1440N
LTP/FTP LONGITUDE	0951605.8460W
LTP/FTP ELLIPSOIDAL HEIGHT	-00146
FPAP LATITUDE	293913.1300N
FPAP LONGITUDE	0951719.4300W
THRESHOLD CROSSING HEIGHT (TCH)	00057.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 4B3E695B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00126
FPAP ORTHOMETRIC HEIGHT	+00126

CITY AND STATE

HOUSTON, TX

ELEVATION: 46

TDZE: 43

AIRPORT NAME:

WILLIAM P HOBBY

FACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31L, AMDT 2C

10 NOVEMBER 2016

SUP: RNAV (GPS) RWY 31L
AMDT: 2B
DATED: 04/02/2015

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KHOU

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
	010	BUNER	IF	FB								AA 04000		E I
	020	LESLO	TF	FB	1.0	311.1				RW31L		AA 02100		E F
	021	FAMOG	TF	FB	0.3	311.0		3.00				AA 00880 GS 00895		E S
	030	RW31L	TF	FO	0.3	311.0		3.00				AT 00099		GY M
	040		CA	FB		311.0						AA 00243		M
	050	EDTED	DF	FB										E
	060	DREWZ	TF	FO	1.0	282.9						AA 02000		EY
	070	DREWZ	HM	FO		104.0			R			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
DREWZ	N294527.72	W0953702.80
BUNER	N292646.78	W0950235.82
EDTED	N294108.58	W0951936.60
FAMOG	N293626.73	W0951401.95
LESLO	N293348.73	W0951054.69

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31L	N293811.14	W0951605.85	00041	57.9

CITY AND STATE HOUSTON, TX	ELEVATION: 46 TDZE: 43	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31L, AMDT 2C 10 NOVEMBER 2016	SUP: RNAV (GPS) RWY 30L
	AIRPORT NAME: WILLIAM P HOBBY			AMDT: 2B
				DATED: 04/02/2015

QUALITY
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