

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

**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		
KAFDO (IF)	AVVOS (FB)	221.05 / 7.49	1600	LPV: DA LNAV/VNAV: DA LNAV: RW22	
AVVOS (FAF)	RW22 (MAP) (FO)	220.99 / 4.67		CLIMB TO 3000 DIRECT EISEN AND ON TRACK 225.21 TO ACOLA AND HOLD.	
RW22 (MAP)	360 MSL	220.99			
360 MSL	EISEN (FB)				
EISEN	ACOLA (FO)	225.21 / 11.39	3000	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 041.00 INBOUND. CHART FAS OBST: 266 STACK 294237N/0951359W CHART: 501 STACK 294300N/0951339W DISTANCE TO THLD FROM 319 HAT: 0.84 NM. CHART VDP AT 1.54 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 65610 REFERENCE PATH ID: W22A LTP HAE: -15.2 M	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- PROFILE STARTS AT KAFDO
- FAC: 220.99 FAF: AVVOS DIST FAF TO MAP: 4.67 THLD: 4.67
- MIN. ALT: KAFDO 2000, AVVOS 1600
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 1600 GS ALT AT: AVVOS 1600 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR
- MSA FROM: RW22 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	360	1	319	360	1	319	360	1	319	360	1	319	360	1	319
LNAV/VNAV DA	480	1 1/2	439	480	1 1/2	439	480	1 1/2	439	480	1 1/2	439	480	1 1/2	439
LNAV MDA	580	3/4	539	580	3/4	539	580	1 1/2	539	580	1 3/4	539	580	2	539
CIRCLING	580	1	534	580	1	534	580	1 1/2	534	600	2	554	860	3	814

NOTES:  
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS, AND LNAV CAT C. @ CAT E 900-3  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 CHART PLANVIEW NOTE: RADAR REQUIRED.



CITY AND STATE HOUSTON, TX	ELEVATION: 46 TDZE: 41	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2B 29 MAY 2014	SUP:
	AIRPORT NAME: WILLIAM P HOBBY			AMDT: 2A
				DATED 04/07/2011

**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	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	293914.9700N
LTP/FTP LONGITUDE	0951607.3600W
LTP/FTP ELLIPSOIDAL HEIGHT	-00152
FPAP LATITUDE	293810.6700N
FPAP LONGITUDE	0951718.3300W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER** 4D2DF9A4

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00119
FPAP ORTHOMETRIC HEIGHT	+00119



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	AIRPORT NAME: WILLIAM P HOBBY				AMDT: 2A
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**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		KAFDO	010	FACF	IF		FB				AA 02000	
		AVVOS	020	FAF	TF		FB	0.5	221.1 (224.1T)	007.5	AA 01600	
		RW22	030	MAP	TF		FO	0.3	221.0 (224.0T)	004.7	AT 00091	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		221.0 (224.0T)		AA 00360	
	EISEN	050		DF		FB					
	ACOLA	060		TF		FO	1.0	225.2 (228.2T)		AA 03000	
	ACOLA	070		HM	L	FO		041.0 (044.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACOLA	N292735.58	W0953018.42	N2927.593	W09530.307
	AVVOS	N294237.26	W0951223.84	N2942.621	W09512.397
	EISEN	N293512.69	W0952034.58	N2935.212	W09520.576
	KAFDO	N294801.00	W0950625.28	N2948.017	W09506.421
	RW22	N293914.97	W0951607.36	N2939.250	W09516.123

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00039	52



CITY AND STATE <b>HOUSTON, TX</b>	ELEVATION: <b>46</b> AIRPORT NAME: <b>WILLIAM P HOBBY</b>	TDZE: <b>41</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (GPS) RWY 22, ADMT 2B</b> 29 MAY 2014	SUP:
					AMDT: <b>2A</b>
					DATED: <b>04/07/2011</b>