

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PYXES (IAF)	JAPUT (NOPT) (TF) (FB) (RNP 1.00)	274.72 / 6.00	3200	LPV: DA LNAV/VNAV: DA LNAV: RW21
ZIBRO (IAF)	JAPUT (NOPT) (TF) (FB) (RNP 1.00)	134.55 / 6.00	3200	
JAPUT (IF/IAF)	QEZAZ (TF) (RNP 1.00)	204.63 / 5.99	2000	CLIMB TO 3200 DIRECT KROWL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.
QEZAZ (FAF)	HARDA/2.20 NM TO RW21 (TF) (FB) (RNP 0.30)	204.62 / 2.50		
HARDA/2.20 NM TO RW21  (SEE FORM 8260-10)	RW21 (MAP) (TF) (FO) (RNP 0.30)	204.62 / 2.20		

ADDITIONAL FLIGHT DATA:  
HOLD SW, RT, 024.57 INBOUND.  
CHART FAS OBST: 439 TREE 421749N/0734210W.  
DISTANCE TO THLD FROM 368 HAT: 0.83 NM.  
WAAS CHANNEL # 40215  
REFERENCE PATH ID: W21A  
CHART CIRCLING ICON.  
LTP HAE: 27.7 M

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD NE JAPUT, RT, 204.63 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
- FAC: 204.62 FAF: QEZAZ DIST FAF TO MAP: 4.70 THLD: 4.70
- MIN. ALT: JAPUT 3200, QEZAZ 2000, HARDA/2.20 NM TO RW21 1060\*
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: QEZAZ 2000 OM:        MM:        IM:
- GS ANGLE: 3.50 TCH: 60.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 13W EPOCH YEAR: 1965

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A X														
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	562	1	368	562	1	368	562	1	368	562	1	368			
LNAV/VNAV DA	633	1 1/4	439	633	1 1/4	439	633	1 1/4	439	633	1 1/4	439			
LNAV MDA	700	1	506	700	1	506	700	1 3/8	506	700	1 3/8	506			
CIRCLING	740	1	542	860	1	662	860	1 3/4	662	1020	2 3/4	822			

NOTES:  
CHART NOTE: BARO-VNAV NA WHEN USING ALBANY ALTIMETER SETTING.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 14C (58F).  
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: DME/DME RNP-0.3 NA.  
(CONTINUED ON PAGE 2)



CITY AND STATE <b>HUDSON, NY</b>	ELEVATION: 198 TDZE: 194 AIRPORT NAME: <b>COLUMBIA COUNTY</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 21, AMDT 1</b> 29 MARCH 2018	SUP: AMDT: <b>ORIG-B</b> DATED <b>09/17/2015</b>
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**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
RW21 (MAP)	562 MSL (CA)	204.62	
562 MSL	KROWL (DF) (FO) (RNP 1.00)		3200

**NOTES, (CONT.):**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

\*LNAV ONLY

CHART NOTE: STRAIGHT-IN RWY 21 AND CIRCLING RWY 21 NA AT NIGHT .

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE LPV DA TO 638 FT AND VISIBILITY TO 1 3/8 SM ALL CATS, LNAV/VNAV DA TO 709 FT AND VISIBILITY TO 1 3/8 SM ALL CATS; INCREASE ALL MDA 80 FT, LNAV CAT C/D VISIBILITY TO 1 3/4 SM, CIRCLING CAT C TO 2 1/4 SM, AND CAT D TO 3 SM.

**TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	135/30 CW 275/30 (NOPT)	135/7 CW 275/7	5700
2.	135/7 CW 275/7	JAPUT (IF/IAF) (FB)	3200
3.	275/30 CW 025/30	PYXES (IAF) (FB)	4900
4.	025/30 CW 135/30	025/15 CW 135/15	6300
5.	025/15 CW 135/15	ZIBRO (IAF) (FB)	4300



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				AMDT: <b>ORIG-B</b>
				DATED: <b>09/17/2015</b>

**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	1B1
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	421752.9960N
LTP/FTP LONGITUDE	0734230.4315W
LTP/FTP ELLIPSOIDAL HEIGHT	+00277
FPAP LATITUDE	421625.6835N
FPAP LONGITUDE	0734254.5665W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER D0143B3E

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00591
FPAP ORTHOMETRIC HEIGHT	+00591



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