

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<b><u>AIRPORT</u></b> BARROW COUNTY	<b><u>AIRPORT ID</u></b> KWDR	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 13	<b><u>ORIGINAL/AMENDMENT</u></b> 1B	<b><u>CITY</u></b> WINDER	<b><u>STATE</u></b> GA
<b><u>AIRPORT ELEVATION</u></b> 934	<b><u>TDZE</u></b> 933	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 13	<b><u>ORIGINAL/AMENDMENT</u></b> 1A	<b><u>DATED</u></b> 04/30/2015	<b><u>MAG VAR</u></b> 5W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 12 SEPTEMBER 2019	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>CANCEL/SUSPEND</u></b>	<b><u>EPOCH YEAR</u></b> 2010

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
GOGBE	IF/IAF	EKEYU		TF	FB	1.00	133.54	3.52	3200
EKEYU		AXADE		TF	FB	1.00	133.57	4.03	2600
AXADE	FAF	CASUN/2.10 NM TO RW13		TF	FB	0.30	133.61	2.89	
CASUN/2.10 NM TO RW13		RW13	MAP	TF	FO	0.30	133.61	2.10	
RW13	MAP	1207 MSL		CA			133.61		
1207 MSL		CADEB		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT CADEB AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT GOGBE

3. FAC: 133.61

FAF: AXADE

DIST FAF TO MAP: 4.97

DIST FAF TO THLD: 4.97

4. MIN ALT: GOGBE 3700, EKEYU 3200, AXADE 2600, CASUN/2.10 NM TO RW13 1660\*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

270 HAT: 0.67

GS ANT:

6. MIN GP INCPT: 2600

GP ALT AT FAF : AXADE 2600

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS NOT CLEAR

TCH: 60.0

8. MSA FROM: RW13 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: STRAIGHT-IN RWY 13 NA AT NIGHT, CIRCLING RWY 13, 23 NA AT NIGHT.  
CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

\*LNAV ONLY.  
WAAS CHANNEL #90305  
REFERENCE PATH ID: W13A  
CHART FAS OBST: 1021 TREE 335923N/0834021W.  
CHART 1179 TREE 340043N/0834229W.  
HOLD SE, RT, 313.75 INBOUND  
LTP HAE: 255 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	1207	1	274	1207	1	274	1207	1	274	1207	1	274			
LNAV/VNAV DA	1422	1 3/8	489	1422	1 3/8	489	1422	1 3/8	489	1422	1 3/8	489			
LNAV MDA	1300	1	367	1300	1	367	1300	1	367	1300	1	367			
CIRCLING	1400	1	466	1500	1	566	1500	1 1/2	566	1500	2	566			



CHANGES - REASONS

1. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" AND REPLACED WITH PBN NAVSPEC REQUIREMENT NOTE "RNP APCH" - PER 8260.19H PARA 8-6-8 B.(1).
2. ADDED NOTE "20:1 IS NOT CLEAR" TO LINE 7 - PER 8260.19H PARA 8-6-7 G.(3)
3. UPDATED CHART NOTE FROM "NIGHT LANDING: RWY 13, 23 NA" TO "STRAIGHT-IN RWY 13 NA AT NIGHT, CIRCLING RWY 13, 23 NA AT NIGHT" - PER 8260.19H PARA 8-6-11 O.(2)(C) AND (G).
4. REMOVED FAHRENHEIT DEGREES FROM UNCOMPENSATED BARO-VNAV NOTE - PER 8260.19H PARA8-6-9 S.
5. REMOVED CHART NOTE "BARO-VNAV NA WHEN USING ATHENS ALTIMETER SETTING" - KWDR IS ON WMSCR; NOTE NO LONGER REQUIRED PER 8260.19H PARA 8-6-9 F.(3).
6. LOWERED LPV DA FROM 1205 TO 1203 ALL CATS - TDZE LOWERED FROM 935 TO 933 PER NEW AIRPORT SURVEY.
7. LOWERED LNAV/VNAV DA FROM 1420 TO 1418 ALL CATS - TDZE LOWERED FROM 935 TO 933 PER NEW AIRPORT SURVEY.
8. INCREASED CIRCLING CAT A HAA FROM 457 TO 466, CAT C/D/E FROM 557 TO 566 - AIRPORT ELEVATION LOWERED FROM 943 TO 934 PER NEW AIRPORT SURVEY.
9. RAISED LNAV HAT FROM 365 TO 367 ALL CATS - NEW SURVEY DATA LOWERED TDZE FROM 935 TO 933.
10. UPDATED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - PER 8260.19H PARA 8-6-11 K. (3).
11. REMOVED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS ALTIMETER SEITING AND INCREASE LPV DA ALL CATS TO 1284, LNAV/VNAV DA ALL CATS TO 1479, AND ALL MDA 110 FEET; INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE" - KWDR IS ON WMSCR; NOTE NO LONGER REQUIRED PER 8260.19H PARA 8-6-9 F.(3).
12. CHANGED CRC REMAINDER FROM FEC76054 TO 91D7B5DC - NEW AIRPORT SURVEY DATA USED.
13. LOWERED LNAV CAT C VISIBILITY FROM 1 1/4 TO 1 SM - PER 8260.3D TABLE 3-3-1.
14. LOWERED LNAV/VNAV VISIBILITY ALL CATS FROM 1 3/4 TO 1 3/8 - PER 8260.3D TABLE 3-3-1.
15. INCREASED INTERMEDIATE AND INTERMEDIATE STEPDOWN RNP VALUE FROM 0.50 TO 1.00 - PER 8260.19H PARA 4-6-10 F.
16. CHANGED MISSED APPROACH CA LEG FROM 1205 TO 1207 - NEW AIRPORT SURVEY DATA RAISED LPV DA FROM 1205 TO 1207.
17. CHANGED DISTANCE TO THLD FROM 270 HAT FROM 0.66 TO 0.67 NM - NEW AIRPORT SURVEY DATA AND PER 8260.19H PARA 8-6-7 E. (3).
18. RAISED BARO-VNAV NA NOTE FROM ABOVE 46C TO ABOVE 54C - PER 8260.58A FORMULA 3-3-6.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZTL, AIRPORT MANAGER

FLIGHT CHECKED BY

Digitally signed by

OFFICE

DATE

MARK D ADAMS

FICO

4/16/19

Apr 18, 2019

DEVELOPED BY

Digitally signed by

OFFICE

DATE

VICTOR BOONE

VICTOR C BOONE

AJV-5412

11/26/2018

APPROVED BY

Feb 07, 2019

Digitally signed by

OFFICE

DATE

TITLE

LONNIE EVERHART

MARK D ADAMS

AJV-5410

MANAGER

Mar 15, 2019



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KWDR
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	335917.3090N
LTP/FTP LONGITUDE	0834022.0715W
LTP/FTP ELLIPSOIDAL HEIGHT	+02550
FPAP LATITUDE	335821.5695N
FPAP LONGITUDE	0833858.3870W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	91D7B5DC

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02843
FPAP ORTHOMETRIC HEIGHT	+02843

