

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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	
ABR VOR/DME	DOXCU (FO)	129.18 / 8.96	3000	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3000 DIRECT HATHR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 127.92 INBOUND. CHART FAS OBST: 1329 TREE 452610N/0982439W CHART FAS OBST: 1343 TREE 452634N/0982455W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 0.79 MILES TO RW31* LNAV ONLY. WAAS CHANNEL # 42914 REFERENCE PATH ID: W31A
EFJAM (IAF)	DOXCU (NOPT) (FB)	038.11 / 8.03	3000	
FIBDA (IAF)	DOXCU (NOPT) (FB)	253.26 / 5.14	3000	
DOXCU (IF/IAF)	CISOD (FB)	308.20 / 6.10	3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE DOXCU, RT, 308.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 308.13 FAF: CISOD DIST FAF TO MAP: 5.10 THLD: 5.10
4. MIN. ALT: DOXCU 3000, CISOD 3000, ATPIC/2.60 NM TO RW31 2180*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: CISOD OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR
8. MSA FROM: RW31 3300

MAG VAR: 7E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1501	1/2	200	1501	1/2	200	1501	1/2	200	1501	1/2	200			
LNAV/VNAV DA	1599	1/2	298	1599	1/2	298	1599	1/2	298	1599	3/4	298			
LNAV MDA	1620	1/2	319	1620	1/2	319	1620	1/2	319	1620	1	319			
CIRCLING	1760	1	458	1760	1	458	1760	1 1/2	458	1860	2	558			

NOTES:
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D VISIBILITY.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV CAT D VISIBILITY TO 1.
 CHART NOTE: BARO-VNAV NA WHEN USING WATERTOWN ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ABERDEEN, SD	ELEVATION: 1302 TDZE: 1301 AIRPORT NAME: ABERDEEN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED
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NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ABR VOR/DME VIA V398 WESTBOUND AND V170 NORTHWEST BOUND.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: VDP NA WHEN USING WATERTOWN ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WATERTOWN ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO 1 1/2.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WATERTOWN ALTIMETER SETTING AND INCREASE ALL DA 207 FEET, ALL MDA 220 FEET, LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV CATS A, B AND C VISIBILITY 3/4 MILE, CAT D VISIBILITY 1/2 MILE, LNAV CAT C VISIBILITY 1/2 MILE, CAT D VISIBILITY 1/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE.

CITY AND STATE

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FACILITY
IDENTIFIER:
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

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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	KABR
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	452630.6300N
LTP/FTP LONGITUDE	0982432.5700W
LTP/FTP ELLIPSOIDAL HEIGHT	+03720
FPAP LATITUDE	452721.0200N
FPAP LONGITUDE	0982544.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.25
LENGTH OFFSET	0096
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	73B51D2E
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03965
FPAP ORTHOMETRIC HEIGHT	+03965

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
ABR		ABR	010		IF		FB				
ABR		DOXCU	020		TF		FO	2.0	129.2(136T)	009.0	03000
ABR		DOXCU	030	IAF	HF	R	FO		308.2(315T)	004.0	03000
EPJAM		EPJAM	010	IAF	IF		FB				
EPJAM		DOXCU	020		TF		FB	1.0	038.1(045T)	008.0	03000
FIBDA		FIBDA	010	IAF	IF		FB				
FIBDA		DOXCU	020		TF		FB	1.0	253.3(260T)	005.1	03000
		DOXCU	010	FACF	IF		FB				03000
		CISOD	020	FAF	TF		FB	0.5	308.2(315T)	006.1	03000
		ATPIC	021	SDF	TF		FB	0.3	308.1(315T)	002.5	0218002188
		RW31	030	MAP	TF		FO	0.3	308.1(315T)	002.6	01353

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HATHR	040		TF		FO	1.0			03000
	HATHR	050		HM	R	FO	2.0	127.9(135T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ABR	N452502.48	W0982207.39	N4525.041	W09822.123
	ATPIC	N452440.18	W0982156.18	N4524.670	W09821.936
	CISOD	N452253.92	W0981925.97	N4522.899	W09819.433
	DOXCU	N451834.41	W0981320.09	N4518.574	W09813.335
	EPJAM	N451254.58	W0982123.87	N4512.910	W09821.398
	FIBDA	N451926.78	W0980609.42	N4519.446	W09806.157
	HATHR	N453513.79	W0983656.96	N4535.230	W09836.949
	RW31	N452630.63	W0982432.57	N4526.511	W09824.543

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	TCH	
RW31	01301	65

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