

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: RW31 CLIMB TO 3500 DIRECT VOGYU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.56 INBOUND. FAS OBST: 1289 AAO 422118N/0961900W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.29 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 90211 REFERENCE PATH ID: W31A CHART: CIRCLING ICON LTP HAE: 307.1 M					
CUSHO		USOSE (FB)		242.32 / 16.40				3900							
DECKA		ZAGTA (FB)		356.91 / 15.22				3900							
SUX VORTAC		WAVUK (FO)		130.33 / 8.41				3900							
USOSE (IAF)		WAVUK (NOPT) (FB)		222.87 / 5.00				3900							
ZAGTA (IAF)		WAVUK (NOPT) (FB)		042.77 / 5.00				3900							
WAVUK (IF/IAF)		TOVUY (FB)		312.82 / 6.55				2900							
TOVUY (FAF)		RW31 (MAP) (FO)		312.75 / 5.45											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE WAVUK, RT, 312.82 INBOUND, 3900 FT. IN LIEU OF PT (IAF) 3. FAC: 312.75 FAF: TOVUY DIST FAF TO MAP: 5.45 THLD: 5.45 4. MIN. ALT: WAVUK 3900, TOVUY 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: TOVUY 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.7 34:1 IS CLEAR 8. MSA FROM: RW31 4400															
										MAG VAR: 3E			EPOCH YEAR: 2020		
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	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200	1296	2400	200
LNAV/VNAV DA	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500	1596	1 1/4	500
LNAV MDA	1560	2400	464	1560	2400	464	1560	5000	464	1560	5000	464	1560	5000	464
CIRCLING	1640	1	542	1700	1	602	1700	1 3/4	602	1840	2 1/2	742	2000	3	902
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SUX VORTAC AIRWAY RADIALS 105 CW 150. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 1098 TDZE: 1096				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
SIOUX CITY, IA		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 31, ORIG-D 26 MAY 2016				AMDT: 4			
		SIOUX GATEWAY/COL BUD DAY FIELD										DATED 01/08/2015			

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.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW31 (MAP)	1296 MSL	312.75	
1296 MSL	VOGYU (FO)		3500

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LE MARS ALTIMETER SETTING AND INCREASE ALL DA 70 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES AND LNAV CATS C/D/E VISIBILITY TO RVR 6000, INCREASE CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV CAT E VISIBILITY TO RVR 4000; INCREASE LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILES AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING LE MARS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV/VNAV CAT E VISIBILITY TO 2 MILES; INCREASE LNAV CAT E VISIBILITY TO 1 5/8 MILE.

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

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LE MARS ALTIMETER SETTING.

CITY AND STATE
SIOUX CITY, IA

ELEVATION: 1098 TDZE: 1096
AIRPORT NAME:
SIOUX GATEWAY/COL BUD DAY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG-D
26 MAY 2016

SUP: 4
AMDT: ORIG-C
DATED: 01/08/2015

QUALITY
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CHECKED

**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	KSUX
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	422329.4490N
LTP/FTP LONGITUDE	0962227.9195W
LTP/FTP ELLIPSOIDAL HEIGHT	+03071
FPAP LATITUDE	422433.2200N
FPAP LONGITUDE	0962351.9365W
THRESHOLD CROSSING HEIGHT (TCH)	00042.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 1400A898

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03332
FPAP ORTHOMETRIC HEIGHT	+03332

CITY AND STATE
SIOUX CITY, IA

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