

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		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3100 DIRECT UCEVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 129.96 INBOUND. CHART FAS OBST: 1279 TREE 433816N/0942331W CHART FAS OBST: 1289 TREE 433806N/0942437W DISTANCE TO THLD FROM 305 HAT: 0.78 NM. WAAS CHANNEL # 90412 REFERENCE PATH ID: W31A						
BLEND		VOPPU (FB)		206.01 / 8.02				3100								
GRUVE		RUYOR (FB)		073.86 / 25.20				3100								
BANCO		RUYOR (FB)		328.43 / 13.87				3100								
RUYOR (IAF)		SIKTE (NOPT) (FB)		040.19 / 5.00				3100								
VOPPU (IAF)		SIKTE (NOPT) (FB)		220.30 / 5.00				3100								
SIKTE (IF/IAF)		NAYIG (FB)		310.24 / 6.02				3100								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE SIKTE, RT, 310.24 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 310.18 FAF: NAYIG DIST FAF TO MAP: 5.81 THLD: 5.81 4. MIN. ALT: SIKTE 3100, NAYIG 3100, CUYDA/1.60 NM TO RW31 1720* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3100 GS ALT AT: NAYIG OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 58.9 34:1 IS CLEAR 8. MSA FROM: RW31 3200												MAG VAR: 4E		EPOCH YEAR: 1995		
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		1467	1/2	305	1467	1/2	305	1467	1/2	305	1467	1/2	305			
LNAV/VNAV DA		1581	1	419	1581	1	419	1581	1	419	1581	1	419			
LNAV MDA		1560	1/2	398	1560	1/2	398	1560	1/2	398	1560	1	398			
CIRCLING		1640	1	478	1640	1	478	1640	1 1/2	478	1720	2	558			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE AND LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																
CITY AND STATE FAIRMONT, MN				ELEVATION: 1162 TDZE: 1162 AIRPORT NAME: FAIRMONT MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 07 MAY 2009				SUP: AMDT: NONE DATED		

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.*****LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST. JAMES ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY AND LNAV CAT C VISIBILITY 1/4 MILE.****CHART NOTE: BARO-VNAV NA WHEN USING ST. JAMES ALTIMETER SETTING.****CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ST. JAMES ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BLEND VIA V170 EASTBOUND, AND ARRIVALS AT GRUVE VIA V219 SOUTHWEST BOUND.**

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFRM
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	433819.7155N
LTP/FTP LONGITUDE	0942436.6820W
LTP/FTP ELLIPSOIDAL HEIGHT	+03256
FPAP LATITUDE	433857.5400N
FPAP LONGITUDE	0942530.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00058.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	97.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

514858EC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03537
FPAP ORTHOMETRIC HEIGHT	+03537

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFRMK3FR31	ABANCO	010BANCOK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	ABANCO	020RUYORK3EA0E	A	020TF		32840139	+	03100			A	JS
SUSAP	KFRMK3FR31	ABANCO	030SIKTEK3EA0EE		010TF		04020050	+	03100			A	JS
SUSAP	KFRMK3FR31	ABLEND	010BLENDK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	ABLEND	020VOPPUK3EA0E	A	020TF		20600080	+	03100			A	JS
SUSAP	KFRMK3FR31	ABLEND	030SIKTEK3EA0EE		010TF		22030050	+	03100			A	JS
SUSAP	KFRMK3FR31	AGRUVE	010GRUVEK3EA0E		IF					18000		A	JS
SUSAP	KFRMK3FR31	AGRUVE	020RUYORK3EA0E	A	020TF		07390252	+	03100			A	JS
SUSAP	KFRMK3FR31	AGRUVE	030SIKTEK3EA0EE		010TF		04020050	+	03100			A	JS
SUSAP	KFRMK3FR31	ASIKTE	010SIKTEK3EA0EE	CR	HF		31020040	+	03100	18000		A	JS
SUSAP	KFRMK3FR31	R	010SIKTEK3EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KFRMK3FR31	R	020NAYIGK3EA1E	F	051TF		31020060	+	03100		RW31	K3PGA	JS
SUSAP	KFRMK3FR31	R	020NAYIGK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFRMK3FR31	R	021CUYDAK3EA0E	S	031TF		31020042	V	0172001732	-300		A	JS
SUSAP	KFRMK3FR31	R	030RW31	K3PGOGY	M	031TF	31020016		01219	-300		A	JS
SUSAP	KFRMK3FR31	R	040UCEVAK3EA0EYM		010DF			+	03100			A	JS
SUSAP	KFRMK3FR31	R	050UCEVAK3EA0EE		HR020HM		13000040	+	03100			A	JS

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3GRW31	0055033101	N43381972W	094243668	+0000	+0325601160000059100I								

PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3PR31	RW31 001	0000W31A0N	4338197155W	09424366820	+032560300N	4338575400W	09425304200097500000000589F	400500514858BC					
SUSAP KFRMK3PR31	RW31 002E	+03537	+03537L	EPV	90412	000							

MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KFRMK3SRW31	K3PG	0	18018003225										

M													

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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
	BANCO	BANCO	010		IF		FB				
	BANCO	RUYOR	020	IAF	TF		FB	2.0	328.4 (332T)	013.9	03100
	BANCO	SIKTE	030		TF		FB	1.0	040.2 (044T)	005.0	03100
	BLEND	BLEND	010		IF		FB				
	BLEND	VOPPU	020	IAF	TF		FB	2.0	206.0 (210T)	008.0	03100
	BLEND	SIKTE	030		TF		FB	1.0	220.3 (224T)	005.0	03100
	GRUVE	GRUVE	010		IF		FB				
	GRUVE	RUYOR	020	IAF	TF		FB	2.0	073.9 (078T)	025.2	03100
	GRUVE	SIKTE	030		TF		FB	1.0	040.2 (044T)	005.0	03100
	SIKTE	SIKTE	010		HF	R	FB		310.2 (314T)	004.0	03100
		SIKTE	010	FACF	IF		FB				03100
		NAYIG	020	FAF	TF		FB	0.5	310.2 (314T)	006.0	03100
		CUYDA	021	SDF	TF		FB	0.3	310.2 (314T)	004.2	0172001732
		RW31	030	MAP	TF		FO	0.3	310.2 (314T)	001.6	01219

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UCEVA	040		DF		FO	1.0			03100
	UCEVA	050		HM	R	FO	2.0	130.0 (134T)	004.0	03100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BANCO	N431412.20	W0940854.82	N4314.203	W09408.914
	BLEND	N434036.58	W0940237.68	N4340.610	W09402.628
	CUYDA	N433712.88	W0942301.79	N4337.215	W09423.030
	GRUVE	N432116.91	W0945133.12	N4321.282	W09451.552
	NAYIG	N433416.83	W0941852.28	N4334.281	W09418.871
	RUYOR	N432629.94	W0941743.74	N4326.499	W09417.729
	SIKTE	N433005.00	W0941256.45	N4330.083	W09412.941
	UCEVA	N434712.62	W0943716.47	N4347.210	W09437.275
	VOPPU	N433339.86	W0940808.59	N4333.664	W09408.143
	RW31	N433819.72	W0942436.68	N4338.329	W09424.611

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	01160	59

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