

GENERAL**Operational Hours****ATS Hours:** 1100-0600±**AD OPS Hours:** H24**Airport Information****RFF:** FAA Index B / CAT 6**Fuel:** Jet A, A++, A++100**PCN:** RWY 03/21, 09/27: 60/R/B/W/T

RWY 15/33: 70/R/B/W/T

Operation**Traffic Note**

RWY and APCH lights are turned off when TWR CLSD, thereafter activation by CTAF.

Low Level Windshear Alert System (LLWAS) in operation.

RWY Restriction

RWY 09/27 AVBL for taxi for scheduled TFC with 10 or more PAX seats and for unscheduled TFC with 31 or more PAX seats.

Taxi/Parking

TWY H, TWY G and TWY J between east cargo ramp and TWY B not visible from TWR.

TWY C MIL use only.

Warnings**FSD VOR** unusable:

R055-R075 beyond 15NM.

R055-R068 below 9000ft.

R069-R075 below 2900ft.

ILS RWY 03 LOC unusable beyond 30° left of course.**PAPI RWY 15** unusable beyond 6° left and 5° right of RWY CL.

RWY 15/33, 03/21 arresting gear 457m / 1500ft from THR.

Heavy VFR TFC 2NM east of ROKKY NDB.

Marv Skie Lincoln County AD 7.2NM SW of KFSD.

Balloon OPS will be conducted daily from SR-SS within a 1NM radius 8NM north of AD. The balloon will operate from surface to at or below 1000ft AGL.

Birds and deer in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR United States.

ARRIVAL**Arrival Procedure**

RNAV (GPS) RWY 09: PROC NA for ARR on R202 - R297 FSD VOR/DME.

RNAV (GPS) RWY 15: PROC NA for ARR at FRYRE on V120 W-bound and ARR at SECTO on V148 NE-bound.

RNAV (GPS) RWY 21: PROC NA for ARR at FSD VOR/DME via V170 W-bound, V148 SW-bound, V120 W-bound, V462W-bound.

RNAV (GPS) RWY 27: PROC NA for ARR on R046 - R110 FSD VOR/DME.

RNAV (GPS) RWY 33: PROC NA for ARR at CANTS via V15 S-bound and ARR at ANBUJ via V462 S-bound.

Non-standard GP intercept position on RWY 03

GP intercepts RWY 03 at 314m / 1030ft after landing threshold.

Remaining LDG DIST beyond GP is 2429m / 7969ft.

DEPARTURE**Take-off Minima**

RWY		03/21	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	-
RWY		15	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-
RWY		33	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 5.7% up to 1700
3+4 ENG		0 - 0.5V	

Speed

MAX IAS 250KT below 10000ft.

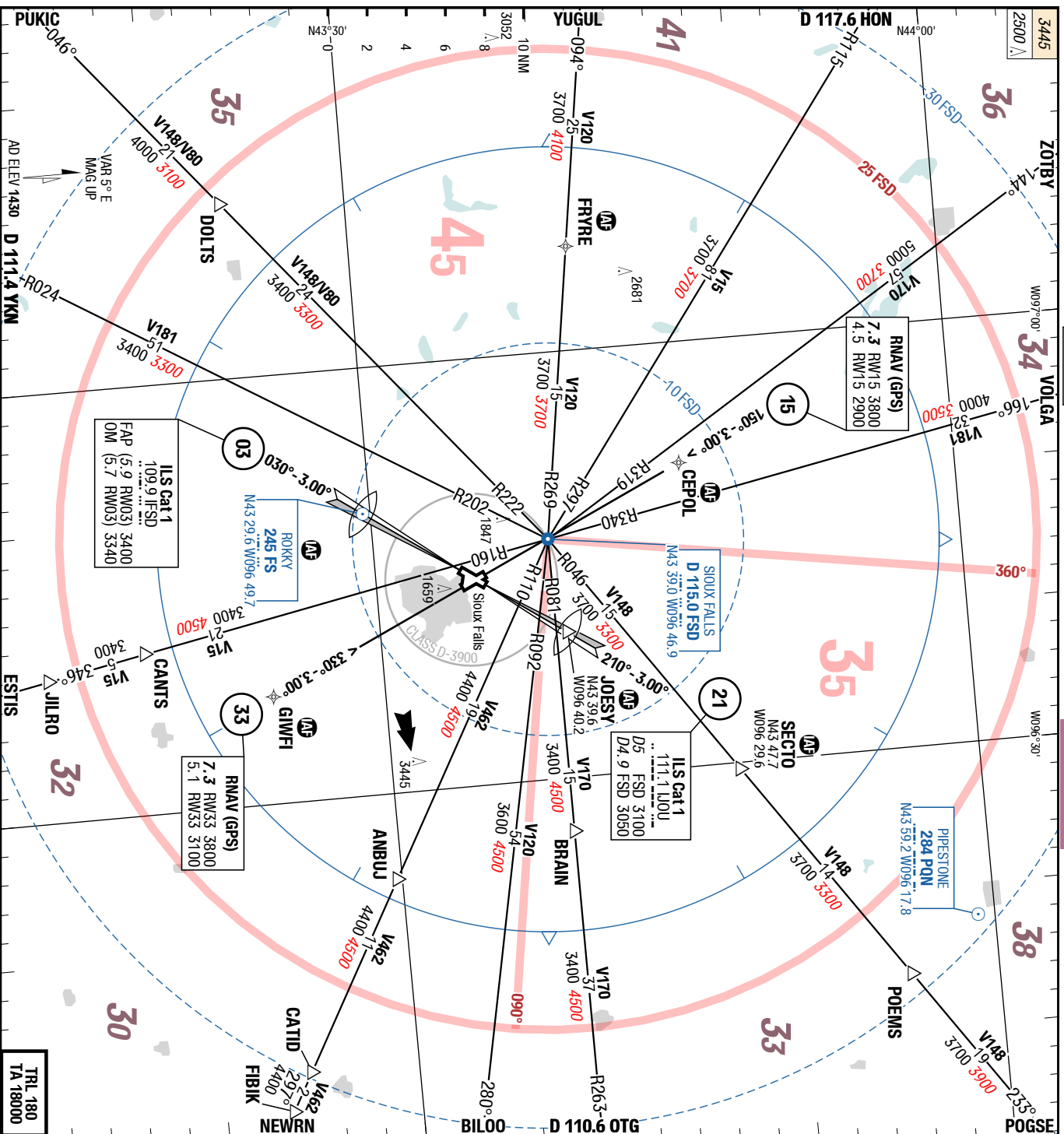
Communication

COM Failure: See CRAR United States.

Joe Foss Fld **Sioux Falls** United States

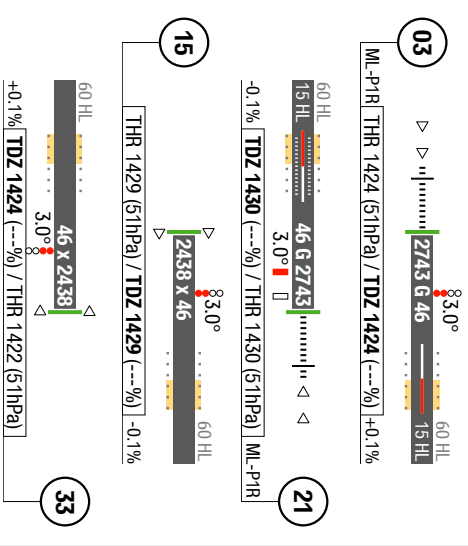


AFC



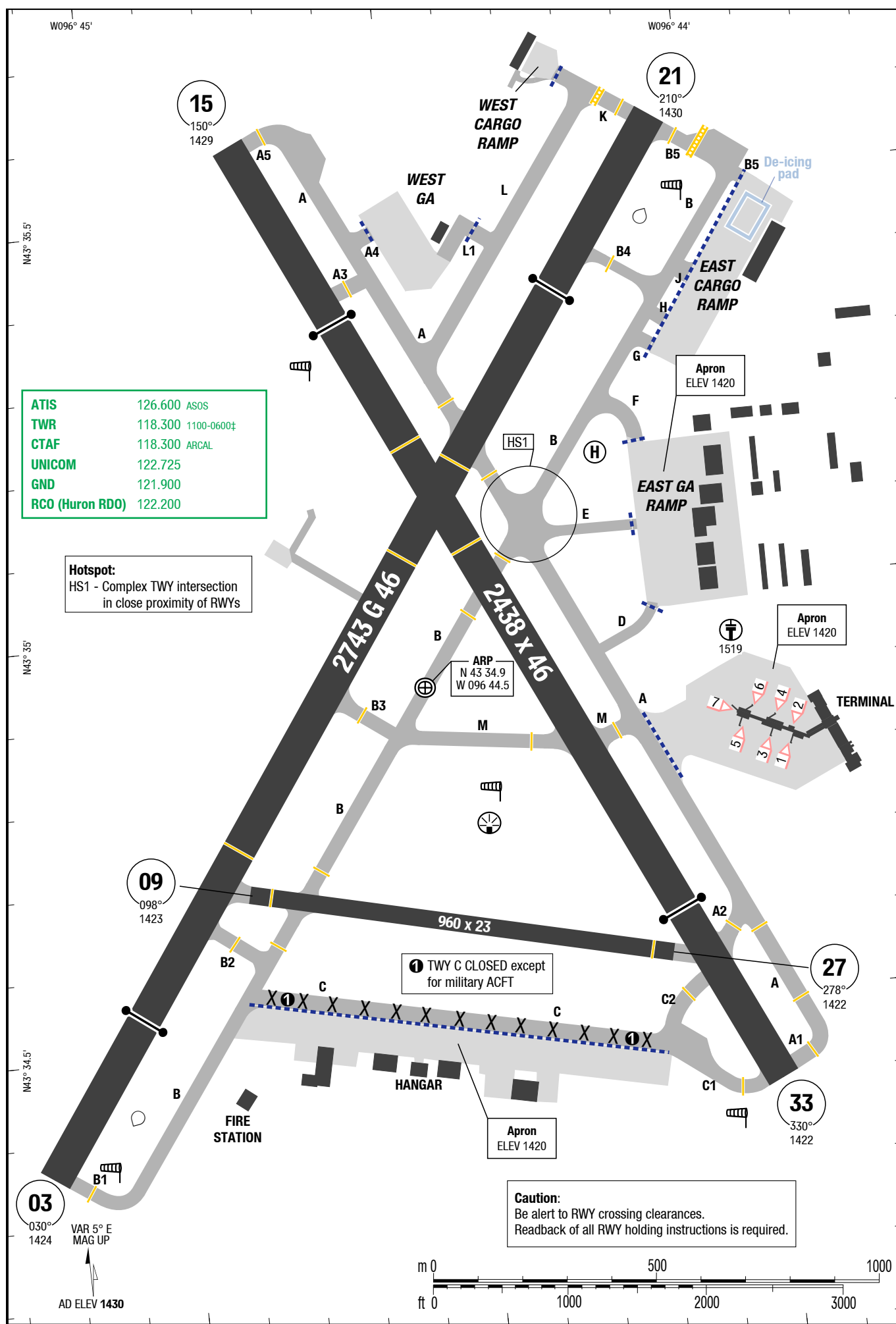
ATIS	126,600	ASOS
APP/DEP	125,800	1100-0600z
Minneapolis APP/DEP	132,050	0600-1100z
	118,300	1100-0600z
TWR	118,300	ARCAL
CTAF	118,300	
UNICOM	122,725	
GND	121,900	
RCO (Huron RDO)	122,200	

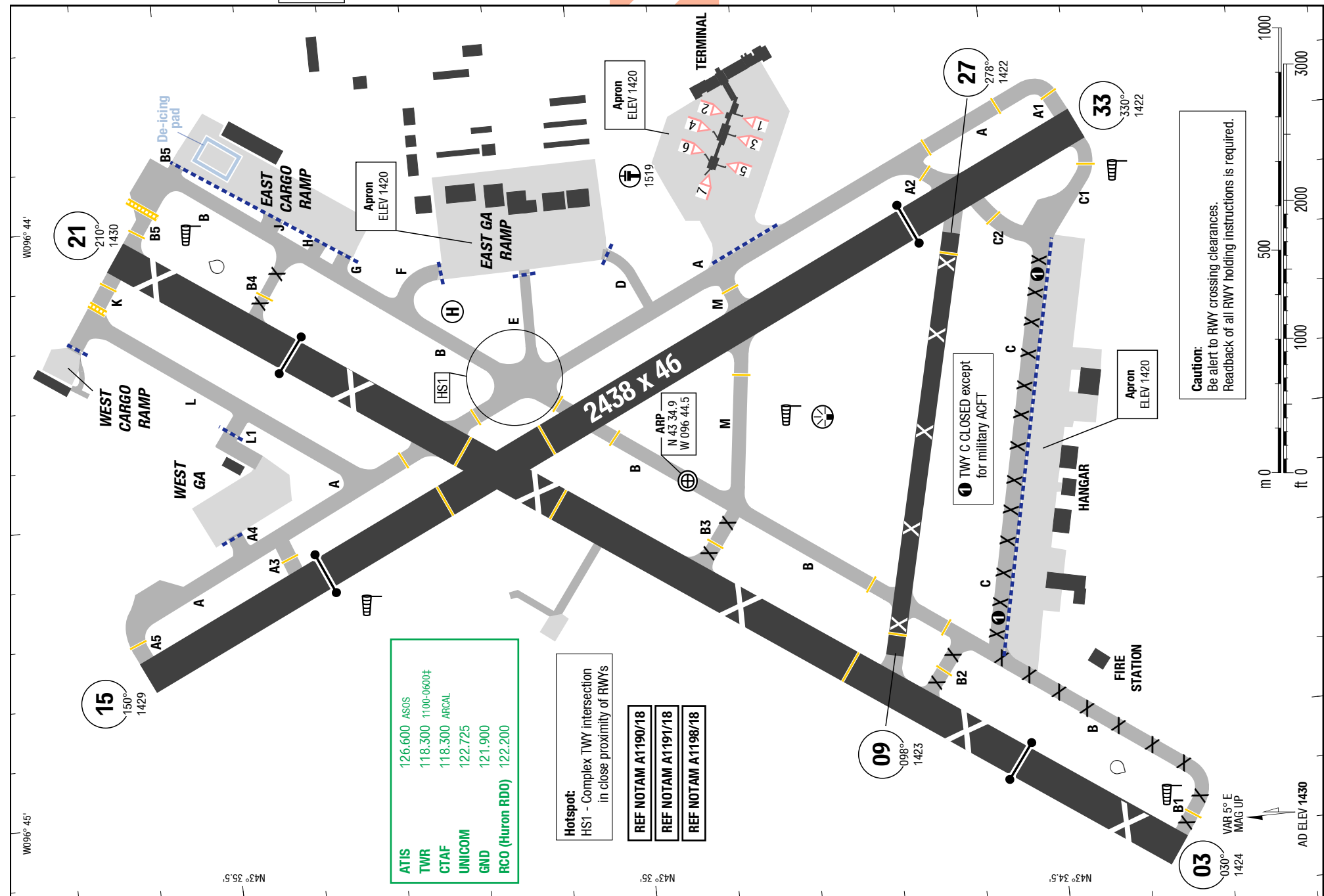
Landing RWY system:

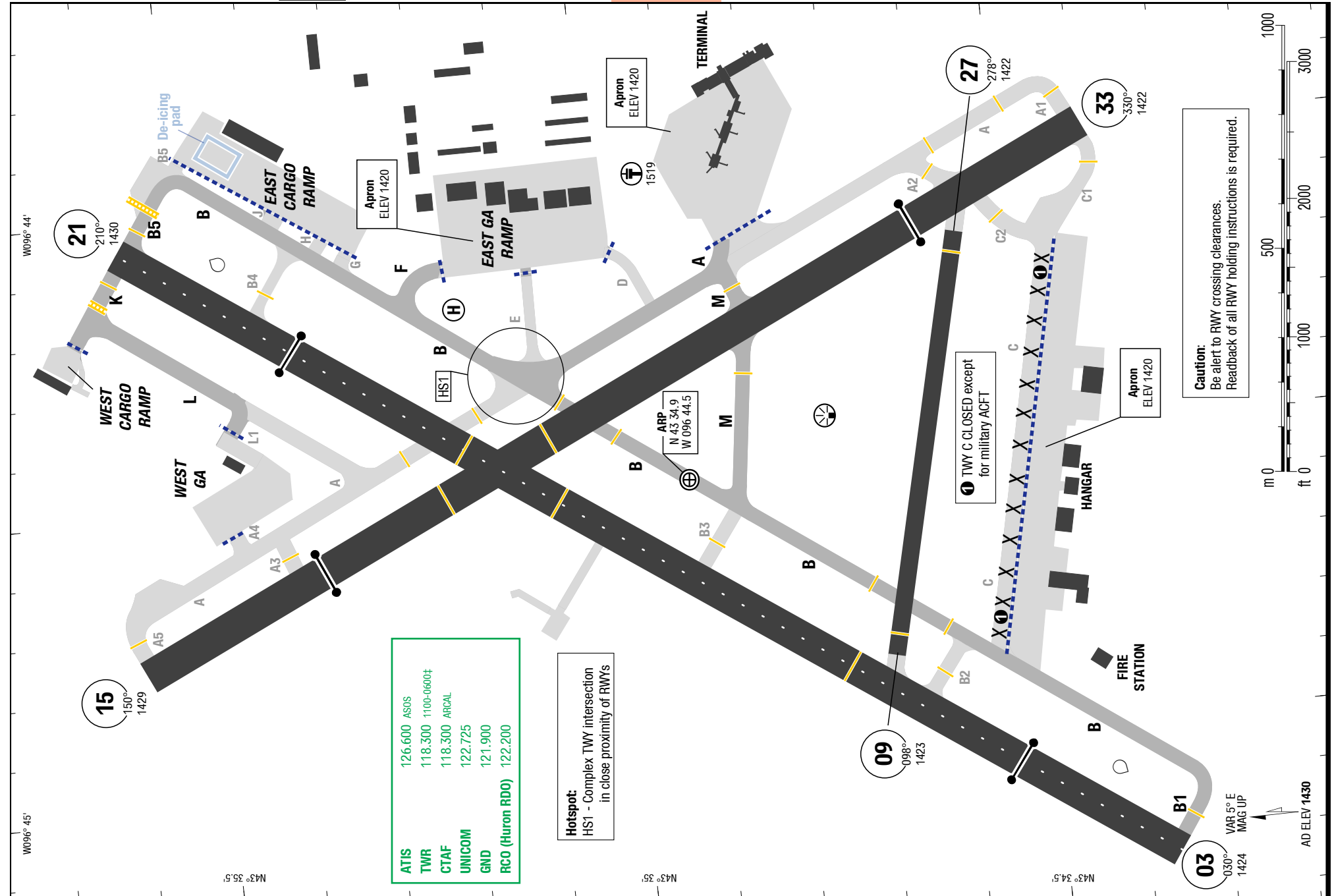


Changes: RWY surface, IAF, AWY

Changes: Jet arresting device, RWY surface







FSD-KFSD

5-10

Obstacle Departure 1

Obstacle Departure	
RWY	Routing
03	Climb RWY HDG - at 2300 turn eastbound.
09	Climb RWY HDG - at 2000LT direct FSD . Continue climb in HP (NW, LT 147° inbound) to cross FSD MNM MEA for flight.
15	Climb RWY HDG - at 2000RT direct FSD . Continue climb in HP (NW, LT 147° inbound) to cross FSD MNM MEA for flight.
21	Climb RWY HDG - at 2200 turn eastbound.
27 / 33	Climb RWY HDG - at 2300 turn eastbound.
RWY	Notes
03	Vehicles on road 20ft from DER, 448ft left of centerline, 21ft AGL/1441ft MSL. Light support 24ft from DER, 85ft left of centerline, 11ft AGL/1431ft MSL. Trees beginning 1200ft from DER, 682ft left of centerline, up to 42ft AGL/1462ft MSL. Trees beginning 2085ft from DER, 908ft right of centerline, up to 64ft AGL/1493ft MSL.
09	Vehicles on road beginning 50ft from DER, 474ft left of centerline, 18ft AGL/ 1438ft MSL. Multiple poles beginning 1257ft from DER, 22ft left of centerline, up to 56ft AGL/1476ft MSL. Navaid and windsock beginning 324ft from DER, 460ft right of centerline, up to 13ft AGL/1433ft MSL. Multiple poles beginning 1806ft from DER, 136ft right of centerline, up to 55ft AGL/1475ft MSL. Crane, buildings, antenna on building, trees and multiple transmission towers beginning 1949ft from DER, 462ft right of centerline, up to 122ft AGL/1562ft MSL.
15	Light support 10ft from DER, 39ft left of centerline, 4ft AGL/1424ft MSL. Multiple poles, buildings, trees and transmission towers beginning 553ft from DER, 220ft left of centerline, up to 100ft AGL/1559ft MSL. Vehicles on road beginning 194ft from DER, 551ft right of centerline, 16ft AGL/1436ft MSL. Multiple poles and trees beginning 1330ft from DER, 19ft right of centerline, up to 88ft AGL/1536ft MSL.
21	Sign 7ft from DER, 304ft left of centerline, 6ft AGL/1426ft MSL. Vehicles on road 393ft from DER, 531ft left of centerline, 15ft AGL/1435ft MSL. Multiple trees beginning 866ft from DER, 149ft left of centerline, up to 100ft AGL/1529ft MSL. Vehicles on road 385ft from DER, 456ft right of centerline, 17ft AGL/1437ft MSL. Multiple trees beginning 424ft from DER, 25ft right of centerline, up to 84ft AGL/ 1504ft MSL.

Obstacle Departure	
RWY	Notes
27	Sign 27ft from DER, 240ft right of centerline, 5ft AGL/1425ft MSL. Trees beginning 1423ft from DER, 793ft right of centerline, up to 76ft AGL/1496ft MSL. Nav aids beginning 1818ft from DER, 831ft left of centerline, 50ft AGL/1471ft MSL. Trees beginning 2158ft from DER, 386ft left of centerline, up to 76ft AGL/1496ft MSL.
33	Nav aid 34ft from DER, 115ft right of centerline, 11ft AGL/1431ft MSL. Multiple poles and trees beginning 3491ft from DER, 15ft right of centerline, up to 100ft AGL/1579ft MSL. Nav aid 34ft from DER, 115ft left of centerline, 11ft AGL/1431ft MSL. Vehicles on road beginning 116ft from DER, 496ft left of centerline, 21ft AGL/1441ft MSL. Tank, nav aids, poles, trees and towers beginning 2295ft from DER, 80ft left of centerline, up to 100ft AGL/1610ft MSL.

22-JUN-2017

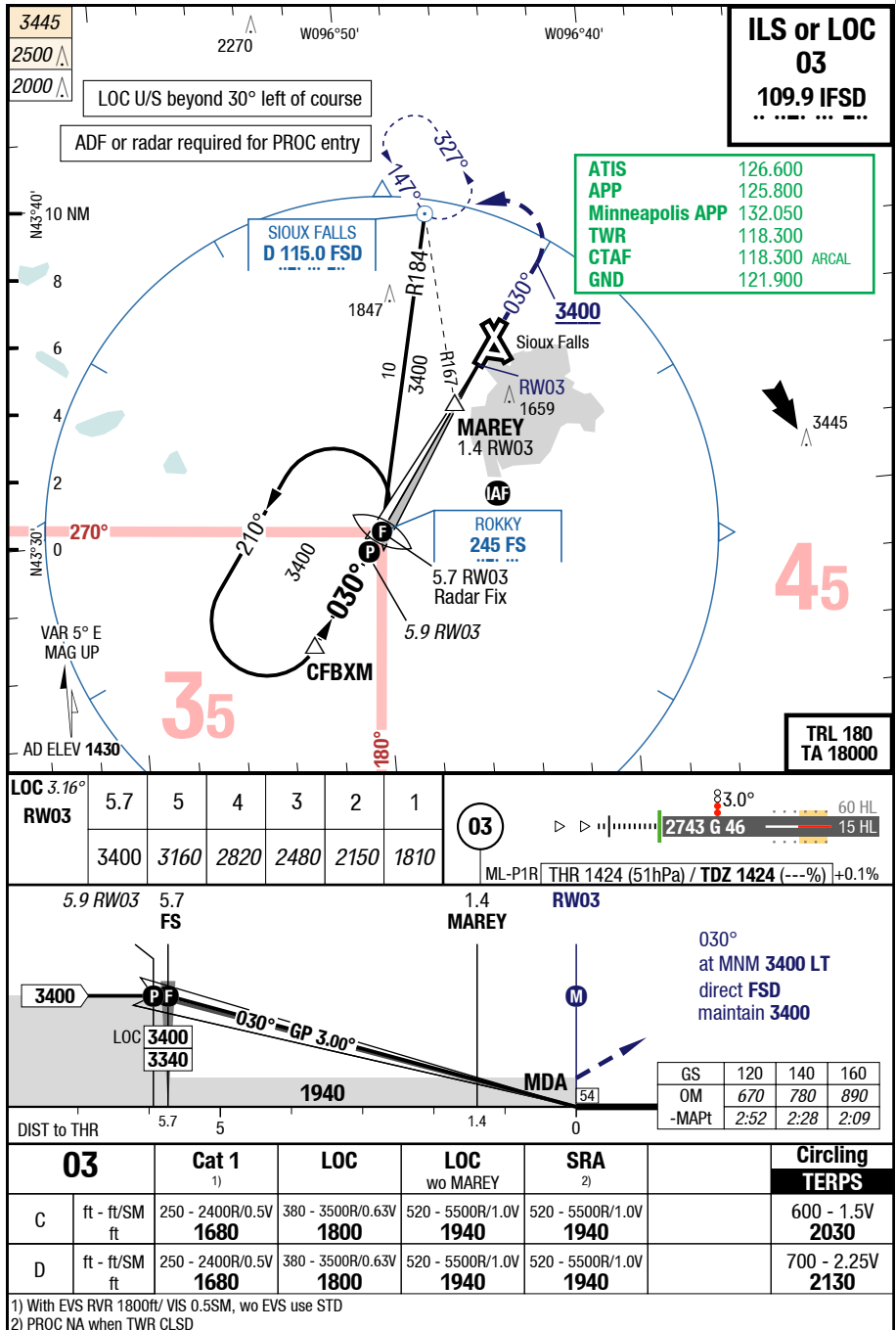
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FSD-KFSD

7-10

ILS or LOC 03

IAC



Changes: MISAP text

AMDT 27F

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22-JUN-2017

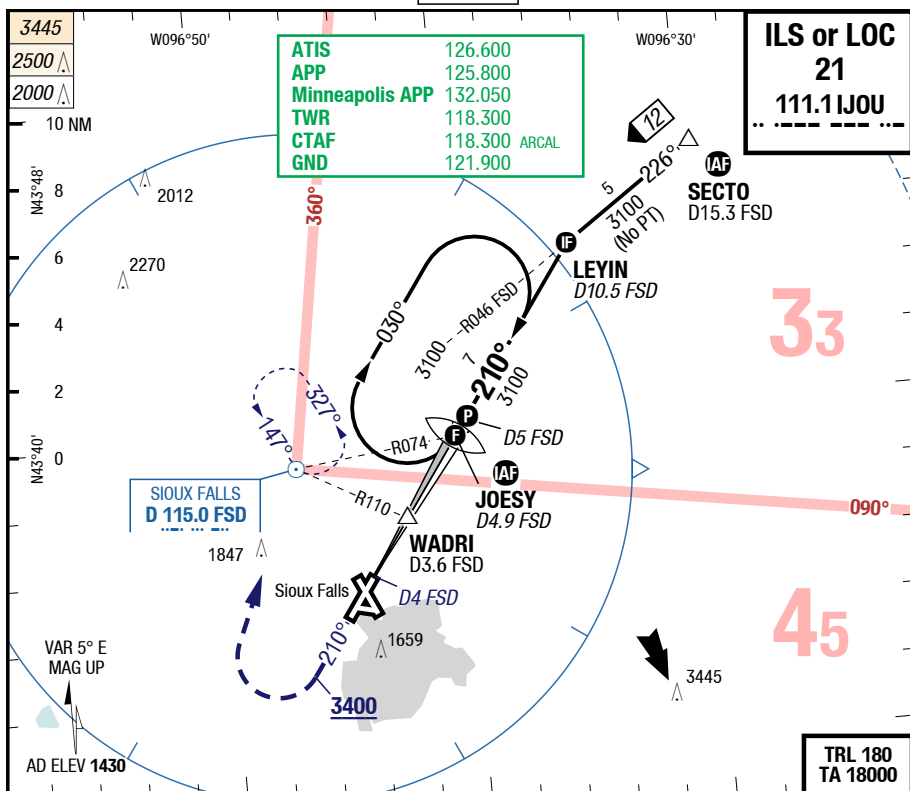
United States Sioux Falls Joe Foss Fld

IAC

FSD-KFSD

7-20

ILS or LOC 21

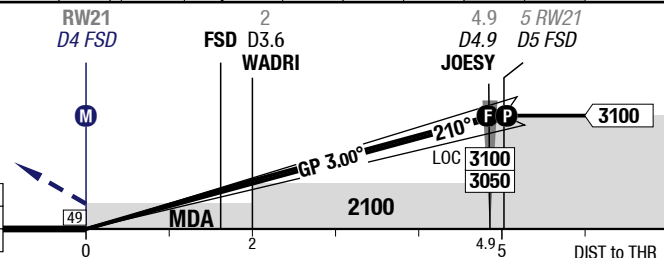


60 HL
15 HL
46 G 2743
3.0°
-0.1% TDZ 1430 (---%) / THR 1430 (51hPa) ML-P1R

1	3	4	4.9			LOC 3.14° RW21
1820	2480	2820	3100			

210°
at MNM 3400 RT
direct FSD
maintain 3400

GS	120	140	160
OM	670	780	890
-MAPt	2:26	2:05	1:49



21	Cat 1	LOC	LOC wo WADRI	LOC wo WADRI APL U/S	Circling	
					TERPS	TERPS ¹⁾
C	ft - ft/SM ft	200 - 1800R/0.5V 1630	370 - 3500R/0.63V 1800	670 - 1.5V 2100	600 - 1.5V 2030	670 - 2.0V 2100
D	ft - ft/SM ft	200 - 1800R/0.5V 1630	370 - 3500R/0.63V 1800	670 - 1.5V 2100	700 - 2.25V 2130	700 - 2.25V 2130

1) LOC wo WADRI

Changes: MISAP text

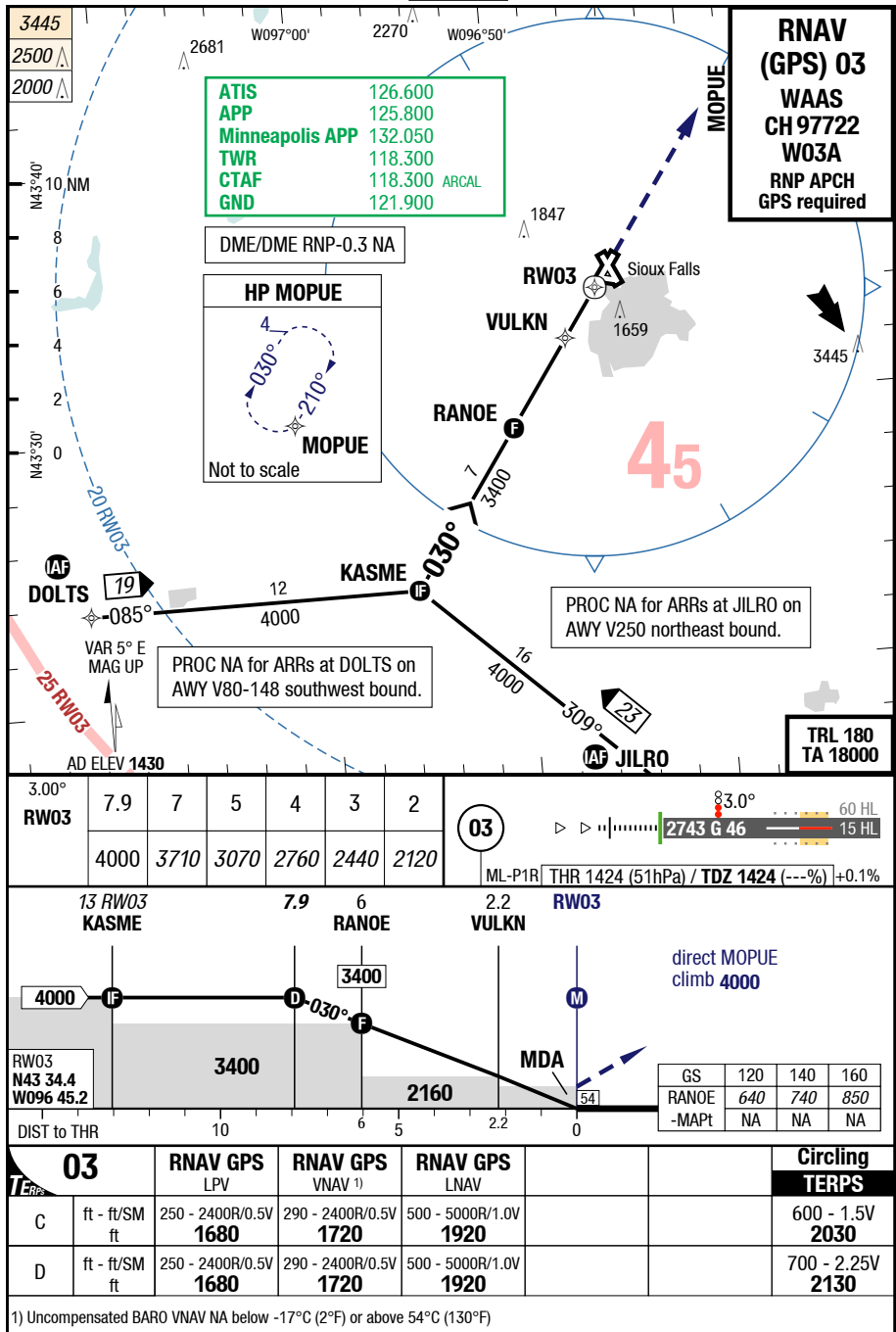
AMDT 10B

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FSD-KFSD

7-30

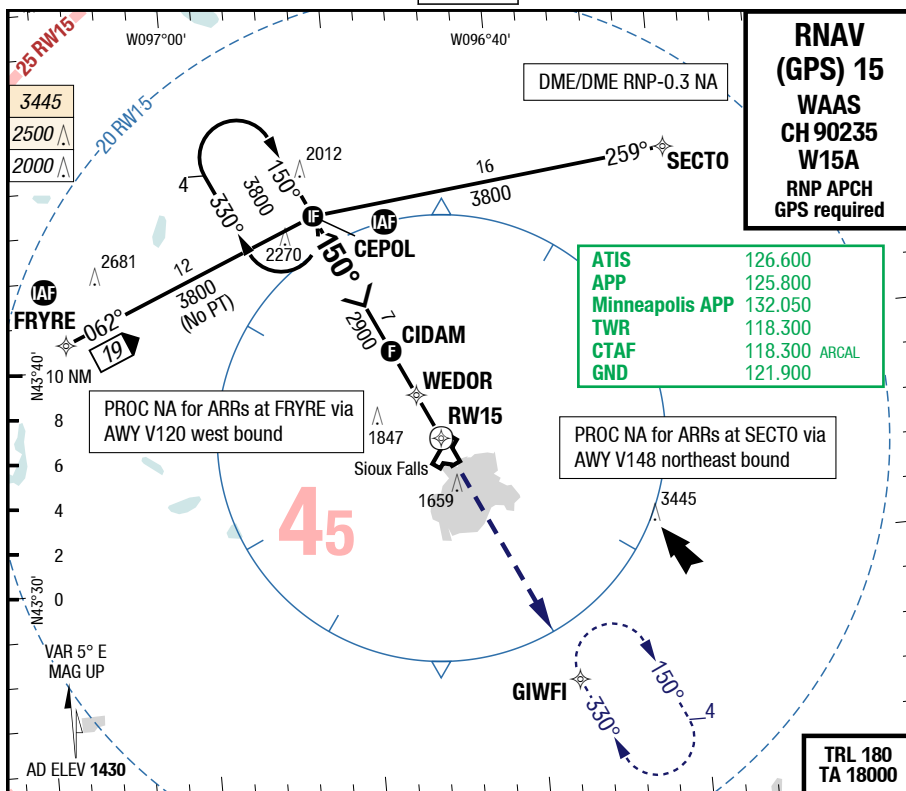
RNAV (GPS) 03



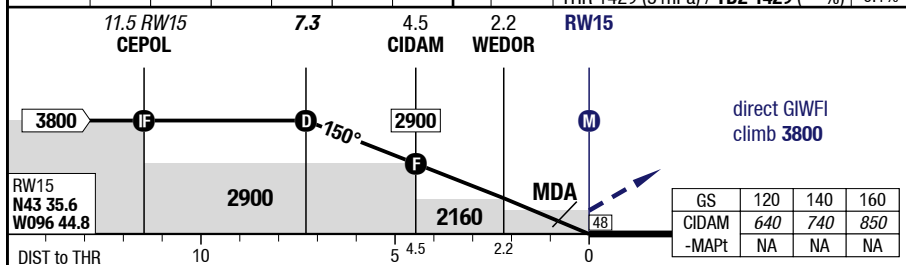
FSD-KFSD

7-40

RNAV (GPS) 15



3.00° RW15	7.3	6	5	4	3	2	15	
	3800	3390	3070	2750	2440	2120		



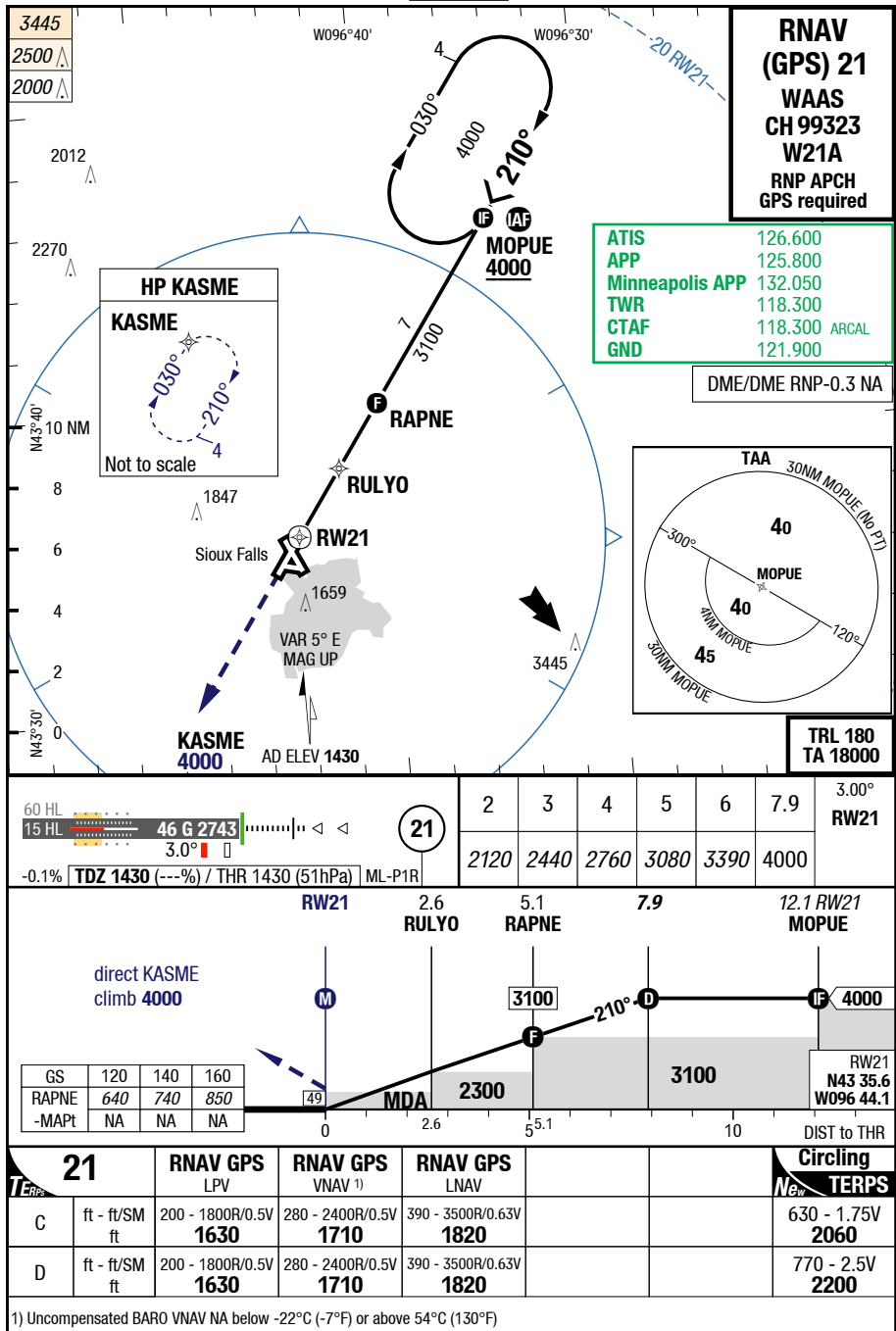
15		RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS LNAV			Circling TERPS
C	ft - ft/SM ft	410 - 1.38V 1840	480 - 1.75V 1910	500 - 1.38V 1920			770 - 2.25V 2200
D	ft - ft/SM ft	410 - 1.38V 1840	480 - 1.75V 1910	500 - 1.38V 1920			770 - 2.5V 2200

1) Uncompensated BARO VNAV NA below -21°C (-5°F) or above 54°C (130°F)

FSD-KFSD

7-50

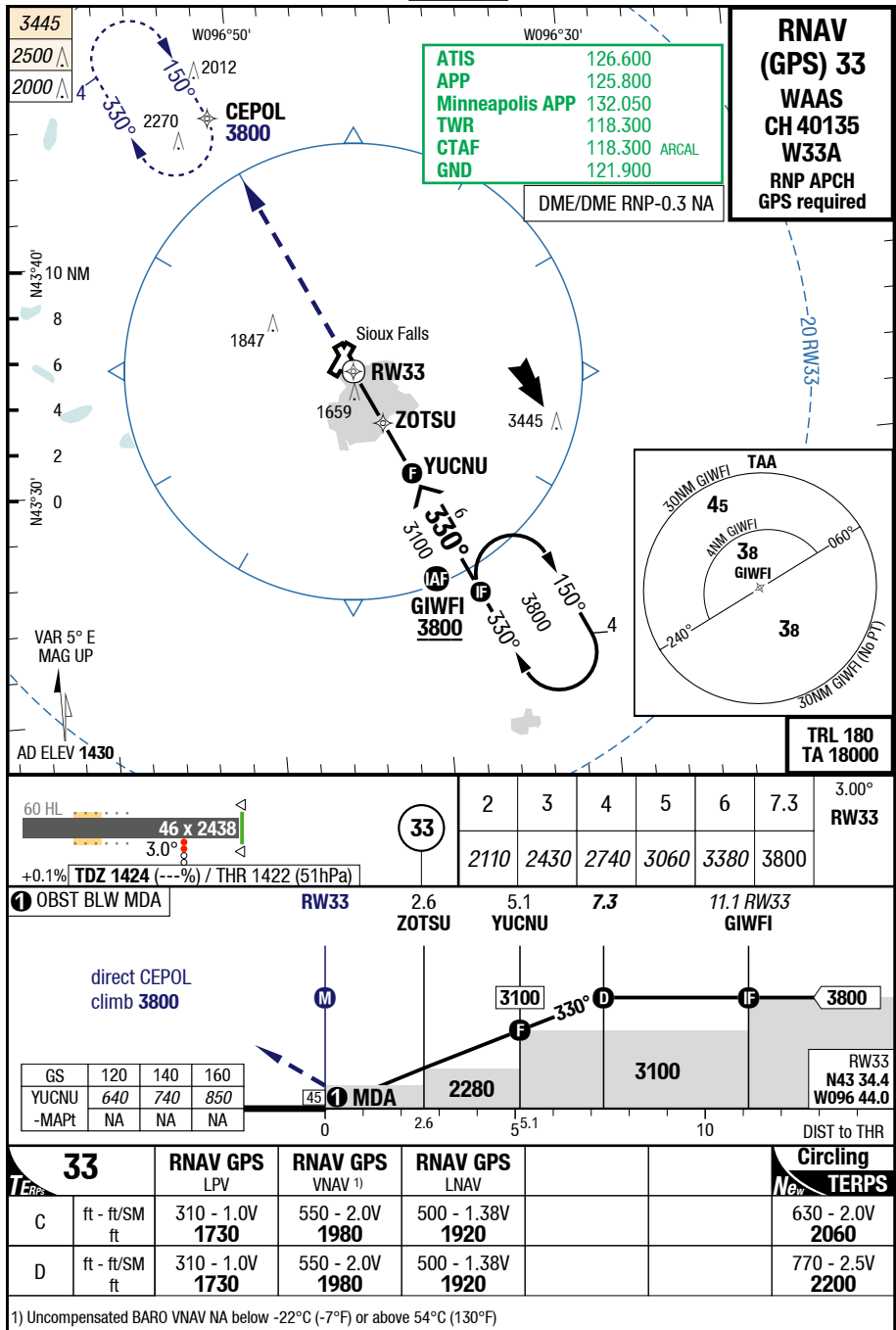
RNAV (GPS) 21



FSD-KFSD

7-60

RNAV (GPS) 33



30-NOV-2017

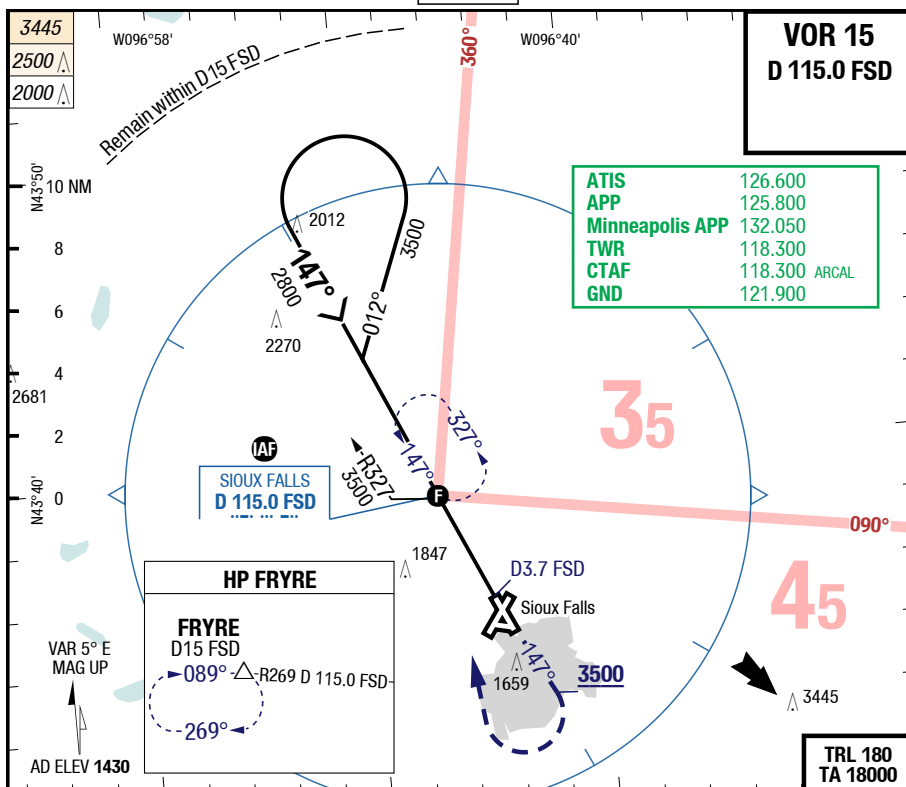
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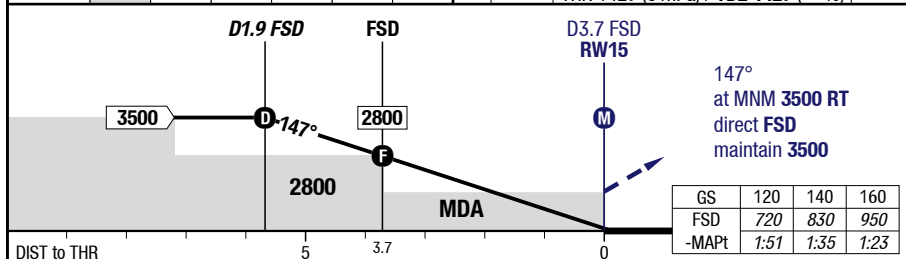
FSD-KFSD

7-70

VOR 15



3.37°		1.9	1	FSD	1	2	<div> <div>15</div> <div> <div>83.0°</div> <div>60 HL</div> </div> <div> <div>2438 x 46</div> <div></div> </div> </div>
D FSD 147° RWY 150°		3500	3160	2800	2450	2090	



15		VOR	SRA 1)				Circling TERPS
C	ft - ft/SM ft	500 - 1.38V 1920	540 - 1.5V 1960				600 - 1.5V 2030
D	ft - ft/SM ft	500 - 1.38V 1920	540 - 1.5V 1960				700 - 2.25V 2130

1) PROC NA when TWR CLSD

Changes: APL

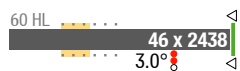
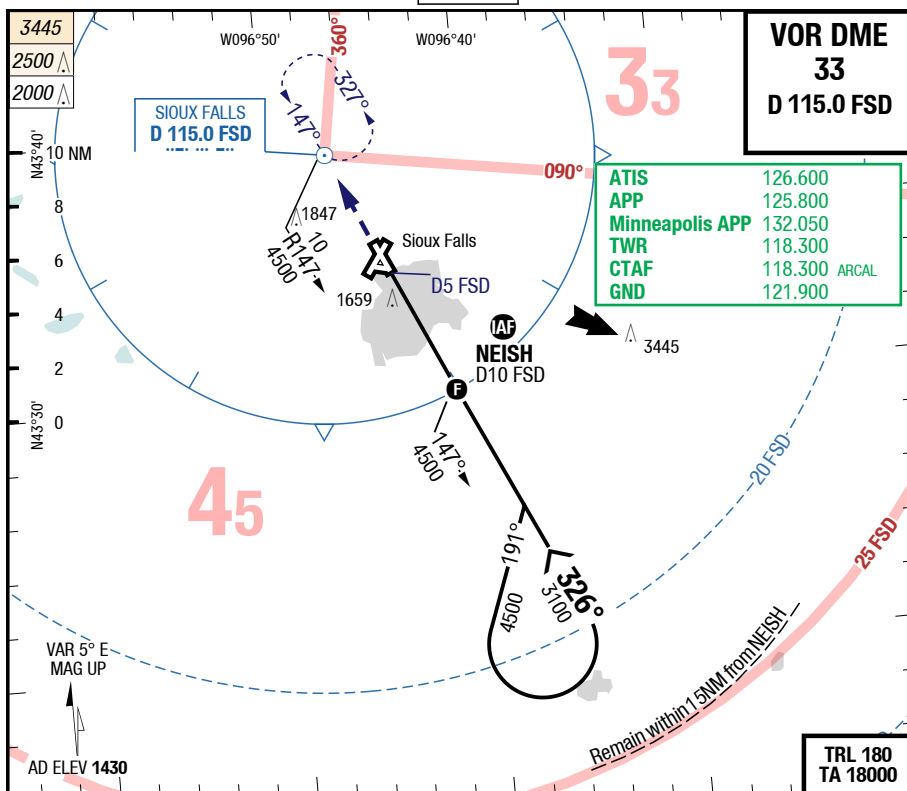
AMDT 21D

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FSD-KFSD

7-80

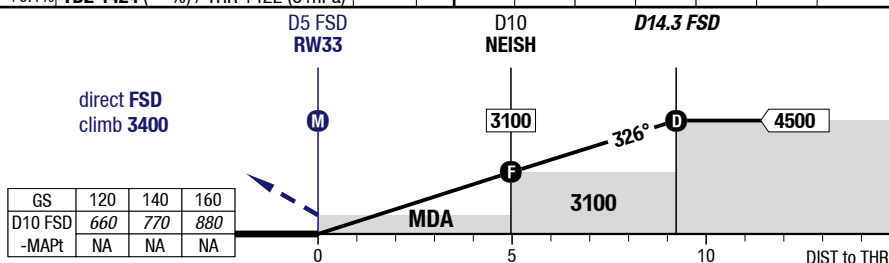
VOR DME 33



+0.1% TDZ 1424 (---%) / THR 1422 (51hPa)

33

7	8	9	11	12	14.3	3.10°
2120	2450	2780	3430	3760	4500	D FSD 326°
						RWY 330°



33		VOR DME	SRA ¹⁾	Circling TERPS	
C	ft - ft/SM	520 - 1.5V 1940	500 - 1.38V 1920	600 - 1.5V 2030	
D	ft - ft/SM	520 - 1.5V 1940	500 - 1.38V 1920	700 - 2.25V 2130	

1) PROC NA when TWR CLSD

FSD-KFSD

7-90

WxMinima Overflow

21		SRA 1)					
C	ft - ft/SM ft	530 - 5500R/1.0V 1960					
D	ft - ft/SM ft	530 - 5500R/1.0V 1960					
1) PROC NA when TWR CLSD							