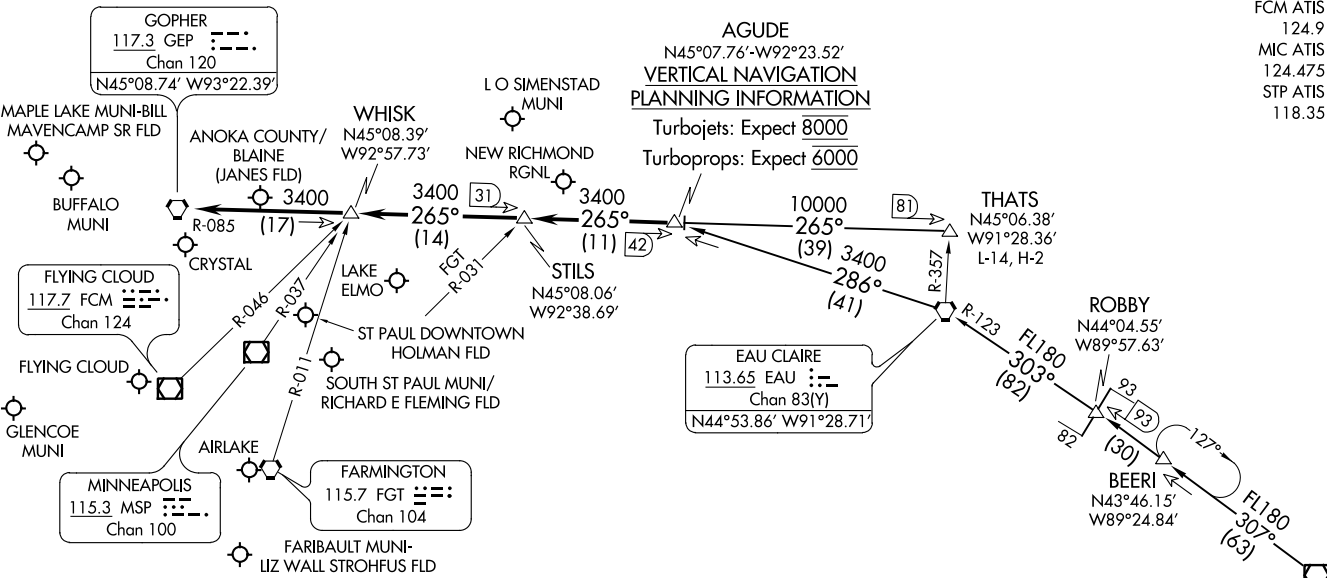


NOTE: Chart not to scale.

NOTE: DME and RADAR required.

MINNEAPOLIS APP CON  
 121.2 335.5  
 ANE ATIS  
 120.625  
 FCM ATIS  
 124.9  
 MIC ATIS  
 124.475  
 STP ATIS  
 118.35

**AGUDE**  
 N45°07.76'-W92°23.52'  
**VERTICAL NAVIGATION**  
**PLANNING INFORMATION**  
 Turbojets: Expect 8000  
 Turboprops: Expect 6000



**ARRIVAL ROUTE DESCRIPTION**

**BADGER TRANSITION (BAE.AGUDE5):** From over BAE VOR/DME on BAE R-307 to ROBBY INT then on EAU R-123 to EAU VORTAC, then on EAU R-286 to AGUDE/EAU 41 DME. Thence. . . .

**THATS TRANSITION (THATS.AGUDE5):** From over THATS INT on GEP R-085 to AGUDE/GEP 42 DME. Thence. . . .

. . . . From over AGUDE/GEP 42 DME via GEP R-085 to GEP VORTAC, then expect RADAR vectors to final approach course.

(AGUDE:AGUDE5) 22307

AL-263 (FAA)

MINNEAPOLIS-ST PAUL, MINNESOTA

AGUDE FIVE ARRIVAL  
 (AGUDE:AGUDE5) 120CT17

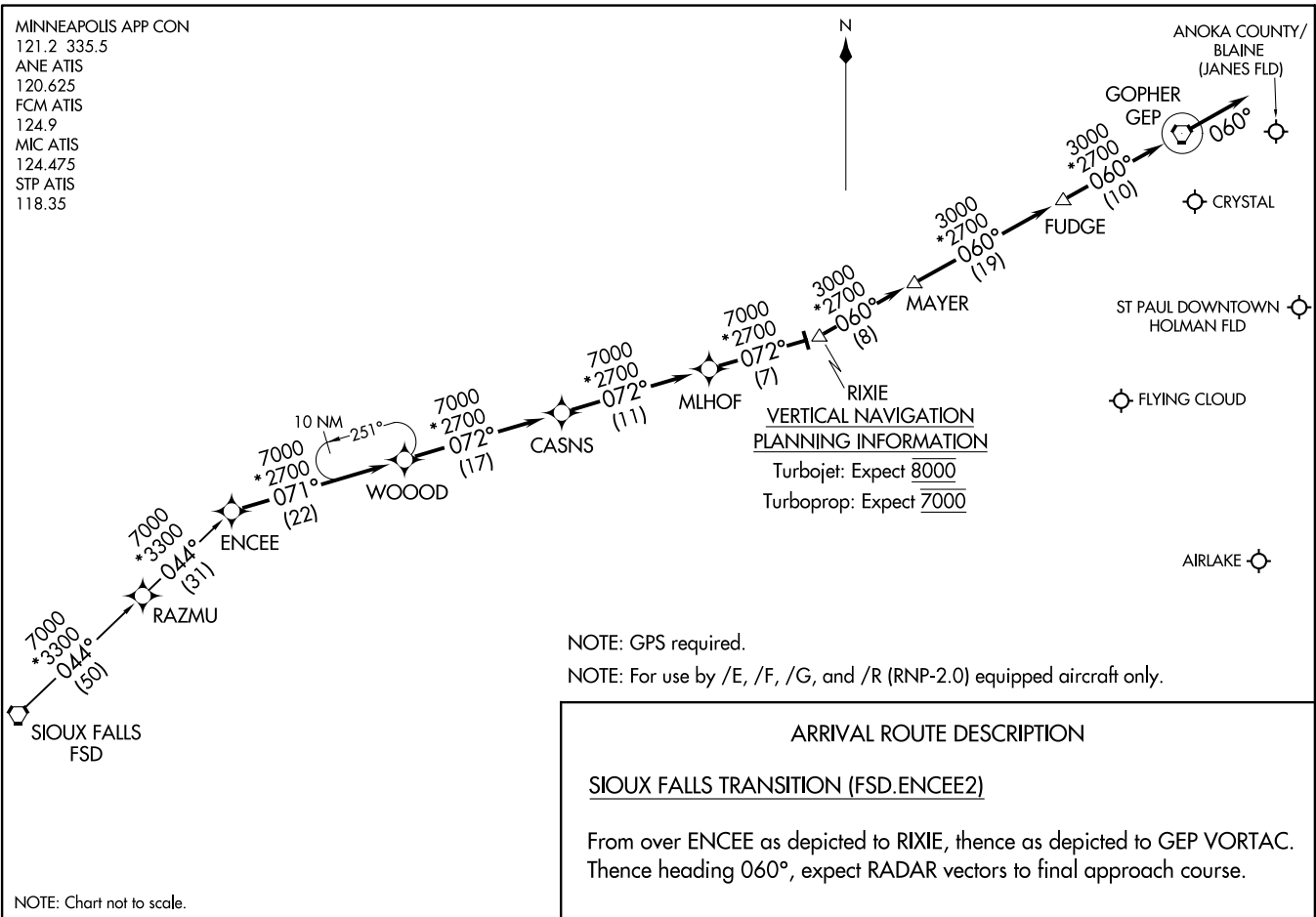
MINNEAPOLIS-ST PAUL, MINNESOTA

(ENCEE:ENCEE2) 17AUG17

ENCEE TWO ARRIVAL (RNAV)

MINNEAPOLIS APP CON  
121.2 335.5  
ANE ATIS  
120.625  
FCM ATIS  
124.9  
MIC ATIS  
124.475  
STP ATIS  
118.35

MINNEAPOLIS-ST PAUL, MINNESOTA



VERTICAL NAVIGATION  
PLANNING INFORMATION  
Turbojet: Expect 8000  
Turboprop: Expect 7000

NOTE: GPS required.  
NOTE: For use by /E, /F, /G, and /R (RNP-2.0) equipped aircraft only.

**ARRIVAL ROUTE DESCRIPTION**  
SIoux FALLS TRANSITION (FSD.ENCEE2)  
From over ENCEE as depicted to RIXIE, thence as depicted to GEP VORTAC.  
Thence heading 060°, expect RADAR vectors to final approach course.

NOTE: Chart not to scale.

(ENCEE:ENCEE2) 22251

ENCEE TWO ARRIVAL (RNAV)

AL-263 (FAA)

MINNEAPOLIS-ST PAUL, MINNESOTA

# TWOLF FOUR ARRIVAL

AL-263 (FAA)

MINNEAPOLIS, MINNESOTA

MINNEAPOLIS APP CON  
 126.95 335.5  
 ANE ATIS  
 120.625  
 FCM ATIS  
 124.9  
 MIC ATIS  
 124.475  
 STP ATIS  
 118.35

GOPHER  
 117.3 GEP :  
 Chan 120

ANOKA COUNTY/BLAINE  
 (JANES FLD)

NEW RICHMOND  
 RGNL

CRYSTAL

ST PAUL DOWNTOWN  
 HOLMAN FLD

KEWTY  
 N44°38.82'  
 W93°25.32'  
 5000

Ldg KSTP/KRNH/  
 KFCM/KLVN/KOEO/  
 KANE/KMIC

TRGET  
 N44°13.88'  
 W93°27.73'  
 8000  
 7000

LYNKS  
 N44°06.89'  
 W93°28.39'

KGEEE  
 N43°44.94'  
 W93°30.47'

TWOLF  
 N43°19.00'  
 W93°32.90'

12000  
 \*2800  
 3180  
 (16)

MASON CITY  
 114.9 MCW :  
 Chan 96  
 N43°05.69'-W93°19.79'

NOTE: DME and RADAR required.

NOTE: Chart not to scale.

## ARRIVAL ROUTE DESCRIPTION

**ALOCK TRANSITION (ALOCK.TWOLF4):** From over ALOCK on MCW R-182 to MCW VOR/DME, then on MCW R-318 to TWOLF.

**LANDING ALL AIRPORTS:** From over TWOLF on GOPHER (GEP) VORTAC R-178 to KGEEE, thence as depicted to cross TRGET between 7000 and 8000, then on GEP VORTAC R-178 to cross KEWTY at 5000, expect RADAR vectors to final approach course.

ALOCK  
 N42°35.41'  
 W93°25.72'  
 L-12, H-5

WATERLOO  
 112.2 ALO :  
 Chan 59

R-273

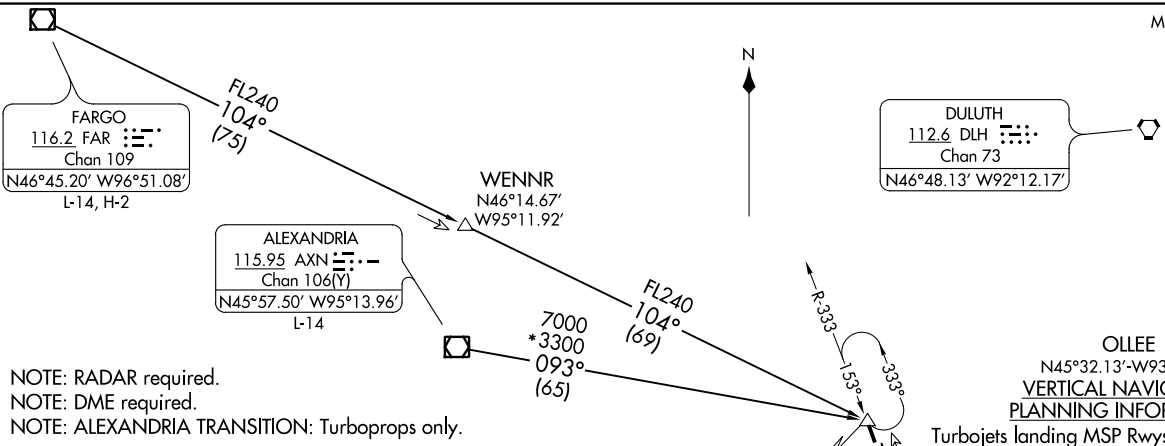
# TWOLF FOUR ARRIVAL

MINNEAPOLIS, MINNESOTA

NC-1, 18 MAY 2023 to 15 JUN 2023

NC-1, 18 MAY 2023 to 15 JUN 2023

MINNEAPOLIS APP CON  
119.3 335.5  
ANE ATIS  
120.625  
FCM ATIS  
124.9  
MIC ATIS  
124.475  
MSP D-ATIS ARR  
135.35 239.275  
STP ATIS  
118.35



NOTE: RADAR required.  
NOTE: DME required.  
NOTE: ALEXANDRIA TRANSITION: Turboprops only.

ARRIVAL ROUTE DESCRIPTION

**ALEXANDRIA TRANSITION (AXN.GEP1):** From over AXN VOR/DME on AXN R-093 to GOLLF. Thence . . . .

**FARGO TRANSITION (FAR.GEP1):** From over FAR VOR/DME on FAR R-104 to GOLLF. Thence . . . .

. . . . from over GOLLF on GEP R-333 to GEP VORTAC, then on GEP R-153 to VYKES, thence . . . .

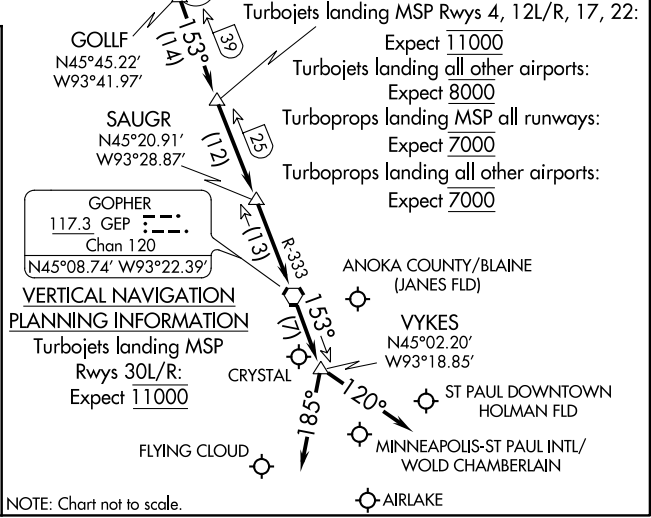
**LANDING MSP RUNWAYS 30L/R:** Depart VYKES heading 120° for RADAR vectors to final approach course.

**LANDING MSP RUNWAY 35:** Depart VYKES heading 185° for RADAR vectors to final approach course.

**LANDING ALL OTHER MSP RUNWAYS:** Expect RADAR vectors to final approach course.

**ALL OTHER AIRPORTS:** Expect RADAR vectors to final approach course.

VERTICAL NAVIGATION PLANNING INFORMATION



VERTICAL NAVIGATION PLANNING INFORMATION

Turboprops landing MSP  
Rwys 30L/R:  
Expect 11000

Expect 11000  
Turboprops landing all other airports:  
Expect 8000  
Turboprops landing MSP all runways:  
Expect 7000  
Turboprops landing all other airports:  
Expect 7000