

10-MAY-2018

COS-KCOS**1-10****AOI****GENERAL****Operational Hours****ATS Hours:** H24**AD OPS Hours:** Attended continuously**Airport Information**

RFF: FAA Index C / CAT 7
Fuel: Jet A
PCN: RWY 13/31: 48/F/C/X/T
 RWY 17L/35R: 95/R/B/W/T
 RWY 17R/35L: 99/F/B/X/T

Operation**Traffic Note**

Low Level Windshear Alert System (LLWAS) in operation.

ACFT transporting hazardous cargo, contact AD 30min prior to arrival.

TWY Restriction

TWY A2, A3, A4, B2, B3:

Insufficient TWY corner fillets pavement for CL taxi for ACFT with wingspan above 36m / 117ft. Use judgemental oversteer at those TWYs.

GA ramp between TWY A3 and A4 CLSD to ACFT with wingspan above 41m / 135ft.

VOR TEST FACILITY (VOT): 110.4

Warnings

Portions of TWYs A, B, E, F, G, M are blocked from view from TWR by obstructions.

Portions of TWY C and RWY 17R/35L are blocked from view from TWR when the infield MIL OPS surface is occupied by a C17 or C5.

When crossing RWY 17R/35L from A1 to B1 or B1 to A1, be aware you will not see A1 or B1 depending on the direction crossing until you crest RWY 17R/35L. When crossing from A1 to B1 travel NE and from B1 to A1 travel SW.

Intensive USAF student training in vicinity of Colorado Springs and Pueblo Colorado.

BRK VOR/DME unusable:

R305-R045 beyond 27NM below 12900ft.

R330-R045 beyond 20NM below 10400ft.

Birds in vicinity of AD.

10-MAY-2018

COS-KCOS

1-20

AOI

ARRIVAL**Speed**

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR and in addition;**DEBERRY**

Proceed to BRK VOR/DME.

OZZY

LDG south: At ADANE join and execute ILS rwy 17L APCH.

LDG north: At ADANE fly on 174° track to DRAKE.

At DRAKE join and execute ILS rwy 35L APCH.

Arrival Procedure**Land And Hold Short Operation (LAHSO):** These OPS include LDG and HLDG short of an intersection RWY/TWY or other predetermined points on the RWY other than RWY or TWY.

LDG RWY	Hold Short Point (HSP)	Distance
RWY 31	RWY 17R/35L	2271m / 7450ft
RWY 35L	RWY 13/31	3124m / 10250ft

Non-standard GP intercept position on**RWY 17L**

GP intercepts RWY 17L at 332m / 1088ft after landing threshold.

Remaining LDG DIST beyond GP is 3784m / 12413ft.

RWY 35R

GP intercepts RWY 35R at 320m / 1049ft after landing threshold.

Remaining LDG DIST beyond GP is 3795m / 12452ft.

COS-KCOS**1-30****AOI****AOI****DEPARTURE****Take-off Minima**

RWY		17L	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	-
RWY		35R	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	MNM climb gradient 3.7% up to 7000 SID SPRINGS:
3+4 ENG		0 - 2400R/0.5V	MNM climb gradient 4.7% up to 9000
RWY		35L	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	MNM climb gradient 4.2% up to 7000 SID SPRINGS:
3+4 ENG		0 - 2400R/0.5V	MNM climb gradient 4.7% up to 9000
RWY		17R	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-
RWY		31	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 3.7% up to 7000 SID SPRINGS:
3+4 ENG		0 - 0.5V	MNM climb gradient 4.3% up to 7300
RWY		13	
1+2 ENG	ft - ft/SM	0 - 1.0V	MNM climb gradient 4.2% up to 6400, or TKOF must occur no later than
3+4 ENG		0 - 0.5V	2000ft/610m prior to DEP

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR and in addition;**SPRINGS****RWY 13, 17L, 17R:** If not in contact with ATC within 1min after DEP turn left. Climb to filed ALT direct via BRK VOR/DME, thence via filed/assigned route.**RWY 31, 35L, 35R:** If not in contact with ATC within 1min after DEP turn right. Climb to filed ALT direct via BRK VOR/DME, thence via filed/assigned route.ACFT filed **V108** westbound: continue climb in HLDG pattern to cross BRK VOR/DME at or above 14000ft.

COS-KCOS

2-10

Municipal
[AGC]
AFC

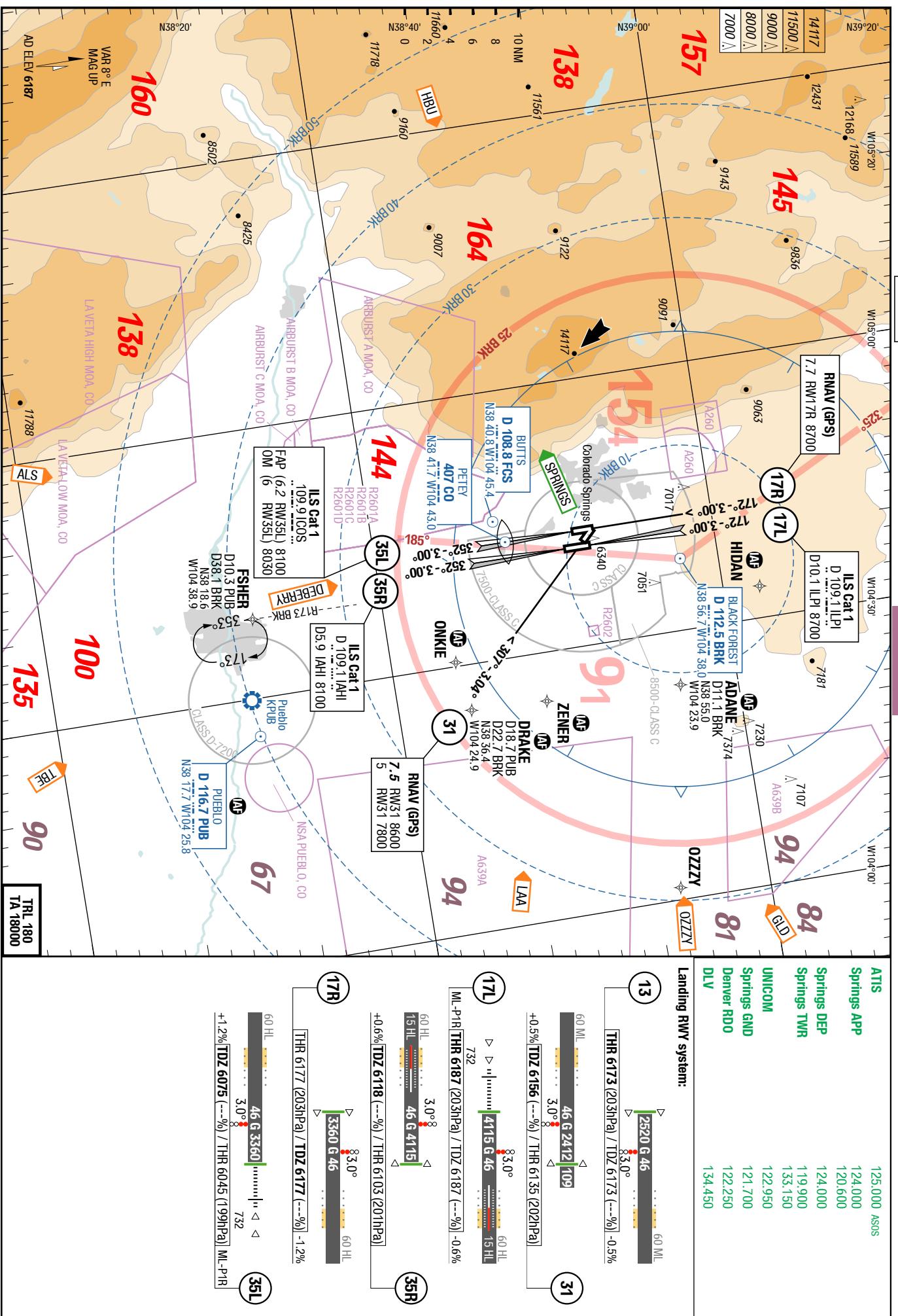
AFC

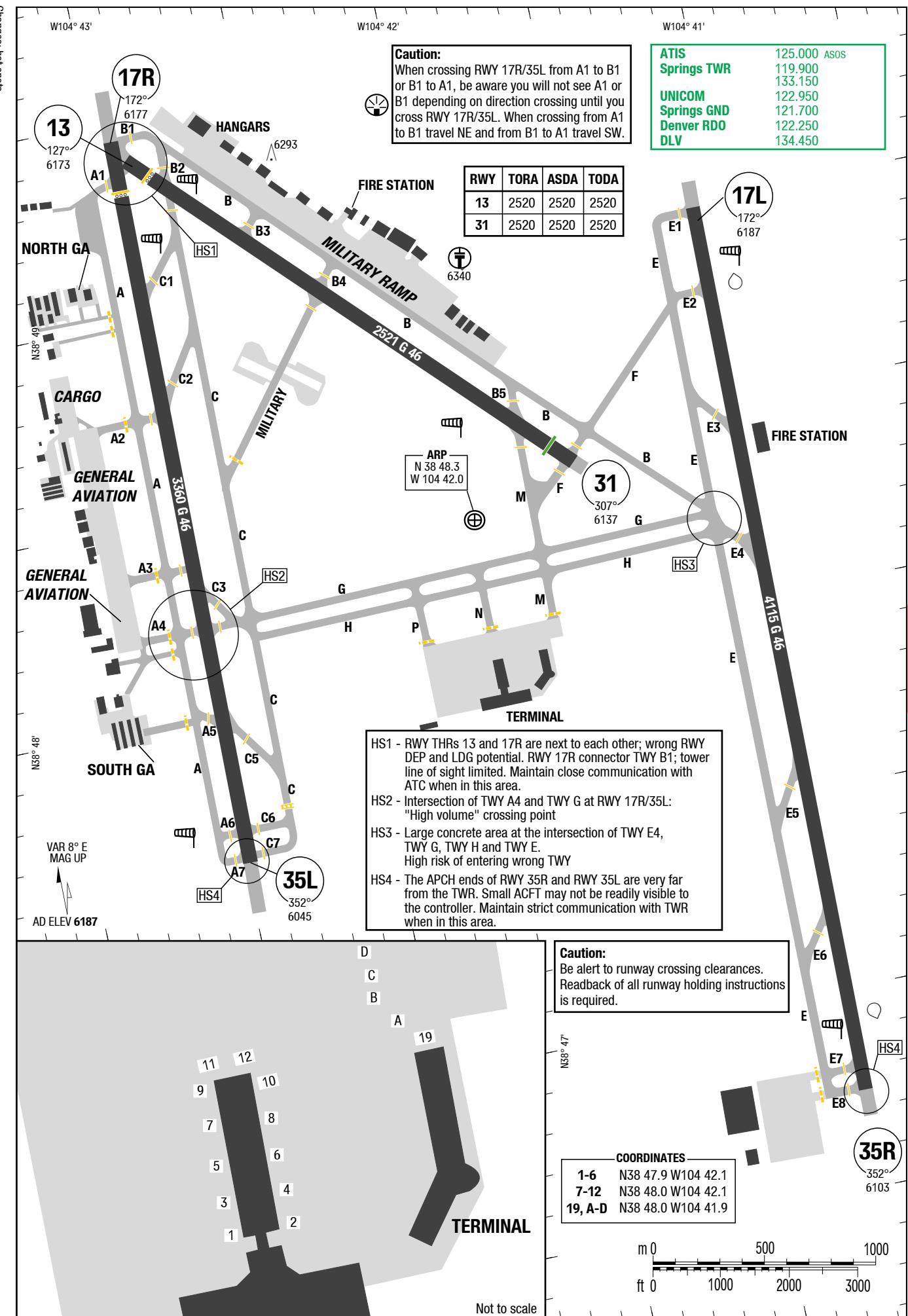
COS-KCOS

2-10

Municipal
[AGC]
AFC

AFC





COS-KCOS

5-10

SPRINGS 6 (COS 6)

SPRINGS 6

RWYs 13 (127°) / 17L/R (172°) / 31 (307°) / 35L/R (352°)

DESIGNATOR	ROUTING	ALTITUDES
SPRINGS 6 COS 6 124.000 ①		Initial climb 10000
RWY 13	RWY HDG - expect radar vectors to assigned/filed route	
RWYs 17L/17R	RWY HDG - expect radar vectors to assigned/filed route	
RWY 31	RT HDG 050° - expect radar vectors to assigned/filed route	
RWYs 35L/35R	RWY HDG - expect radar vectors to assigned/filed route	

① Expect clearance to filed altitude 10 MIN after departure.

COS-KCOS

5-30

Obstacle Departure

SIDPT

Obstacle Departure

RWY	Routing
13, 17L/R	LT climb direct BRK . Climb in BRK HLDG (NW, 159° INBD, LT) to cross BRK at MNM MEA/MCA for route of flight.
31	Climb HDG 307° - at 7000 RT direct BRK . Climb in BRK HLDG (NW, 159° INBD, LT) to cross BRK at MNM MEA/MCA for route of flight.
35L	RT climb direct BRK . Climb in BRK HLDG (NW, 159° INBD, LT) to cross BRK at MNM MEA/MCA for route of flight.
35R	Climb HDG 352° - at 7000 RT direct BRK . Climb in BRK HLDG (NW, 159° INBD, LT) to cross BRK at MNM MEA/MCA for route of flight.

RWY	Notes
13	Radar antenna 4979ft from DER, 1640ft left of centerline, 107ft AGL/6292ft MSL.
17L	RWY edge light (REIL) 25ft from DER, 115ft left and right of centerline, 3ft AGL/6104ft MSL.
35L	RWY edge light (REIL) 39ft from DER, 115ft right of centerline, 2ft AGL/6178ft MSL. Tree 5898ft from DER, 1773ft right of centerline, 50ft AGL/6338ft MSL.

Effective 17-AUG-2017

10-AUG-2017

COS-KCOS

United States Colorado Springs City of Colorado Springs Municipal

DEBERRY 3 (DBRY3)

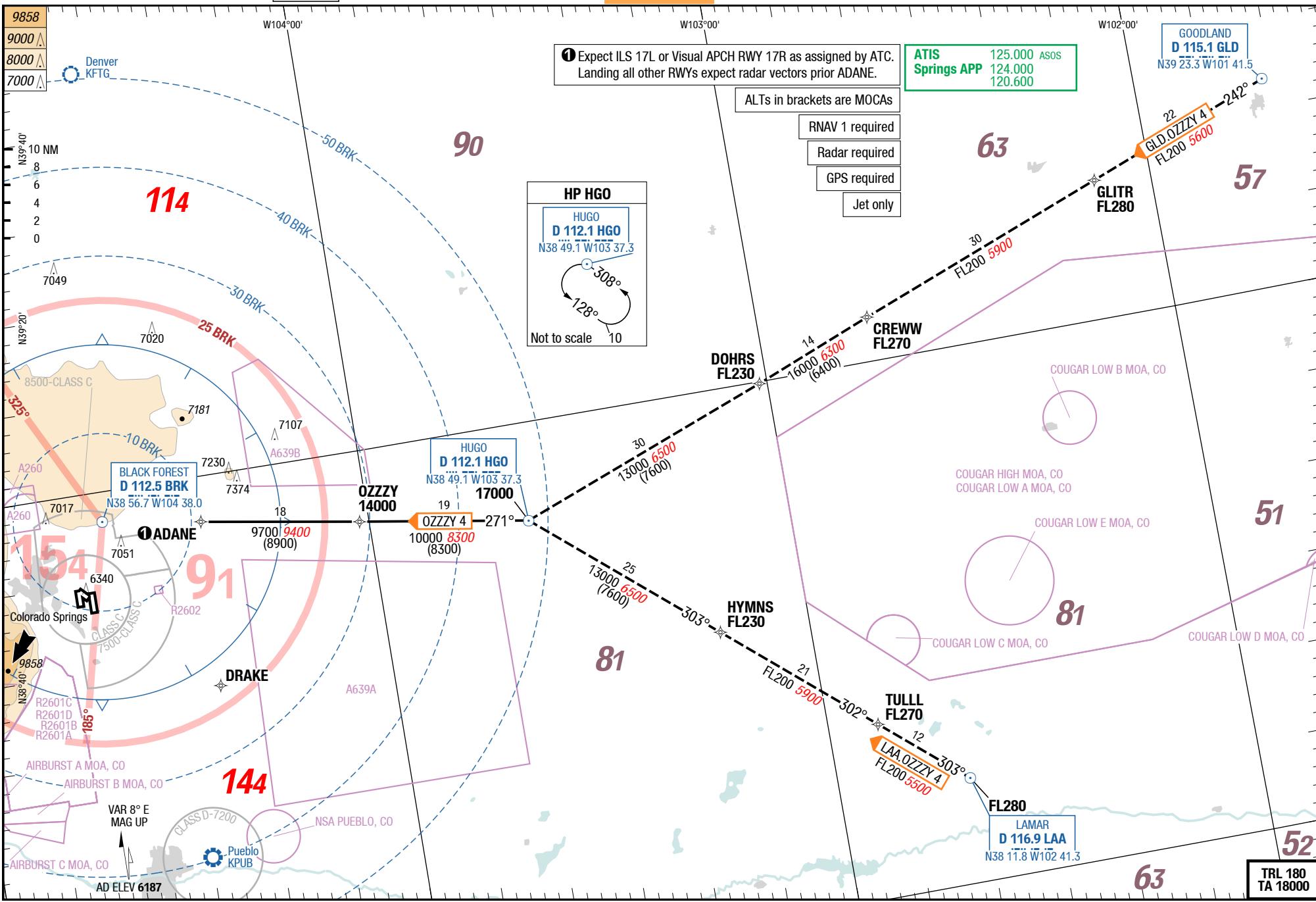
STAR STAR

City of Colorado Springs Municipal Colorado Springs United States

DEBERRY 3 (DBRY3)

OZZY 4 RNAV

6-10



Changes: PROC renumbered, OBST

Effective 17-AUG-2017

10-AUG-2017

United States Colorado Springs City of Colorado Springs Municipal

COS-KCOS

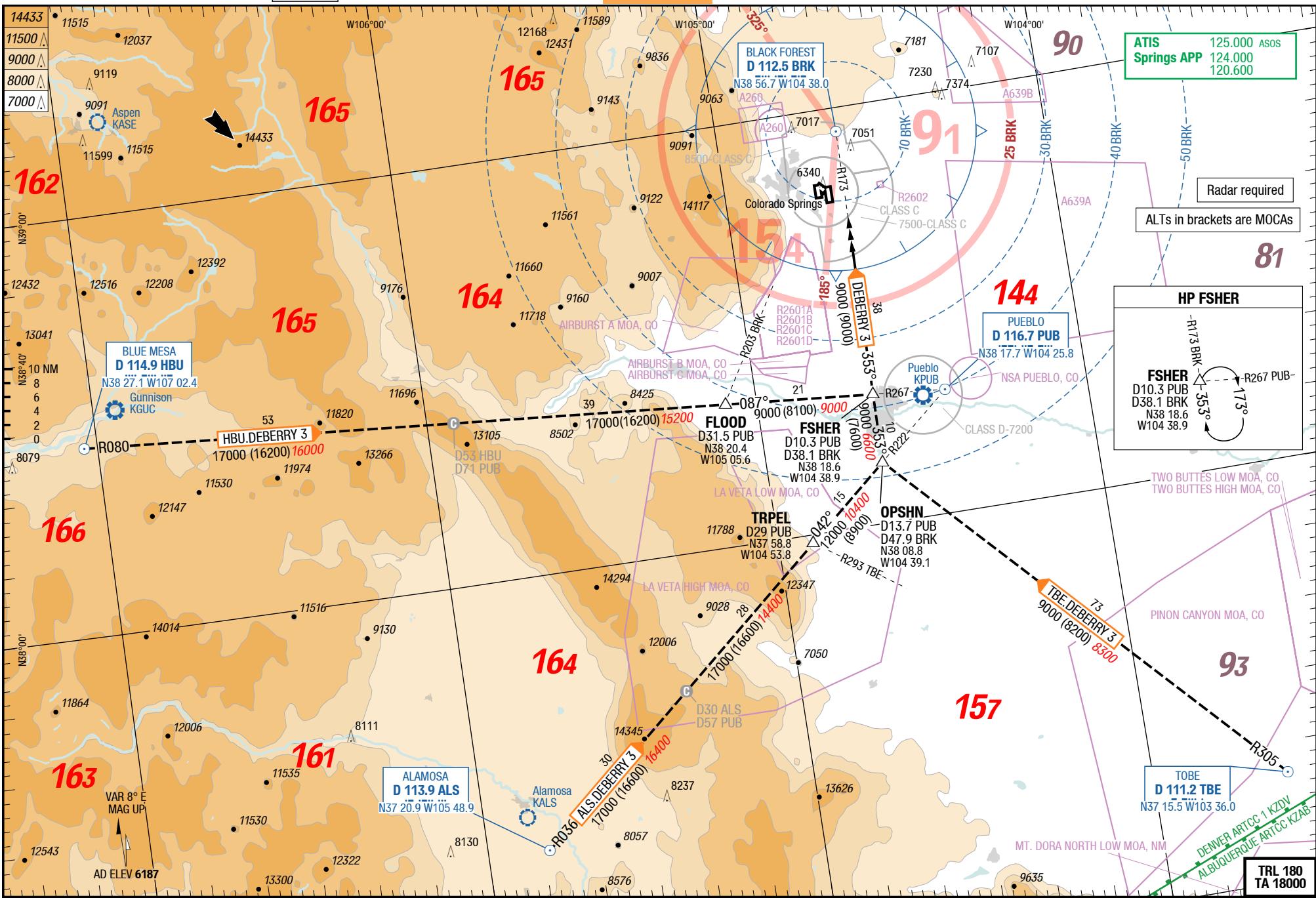
6-20

DEBERRY 3 (DBRY3)

STAR

STAR

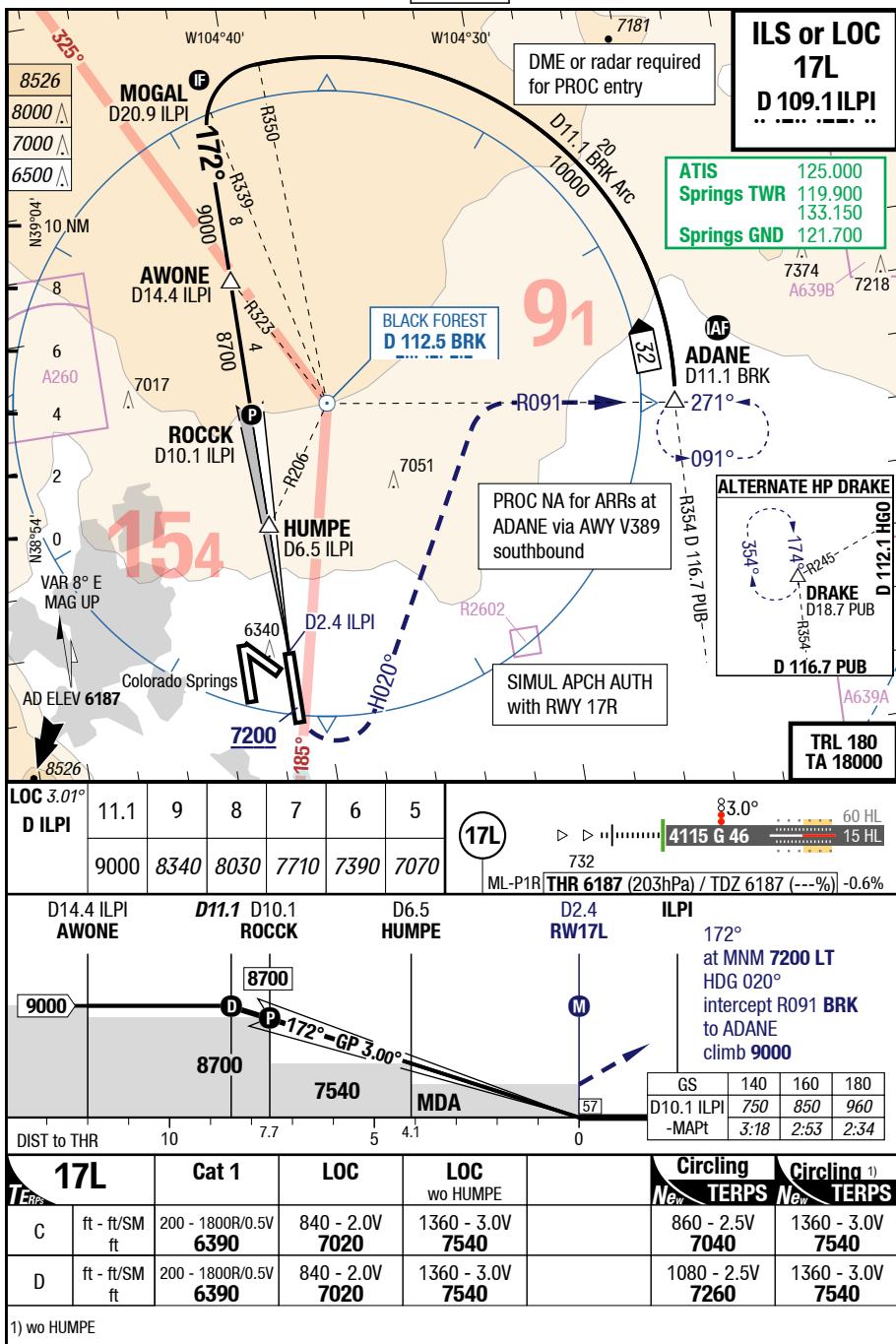
City of Colorado Springs Municipal Colorado Springs United States



COS-KCOS

7-10

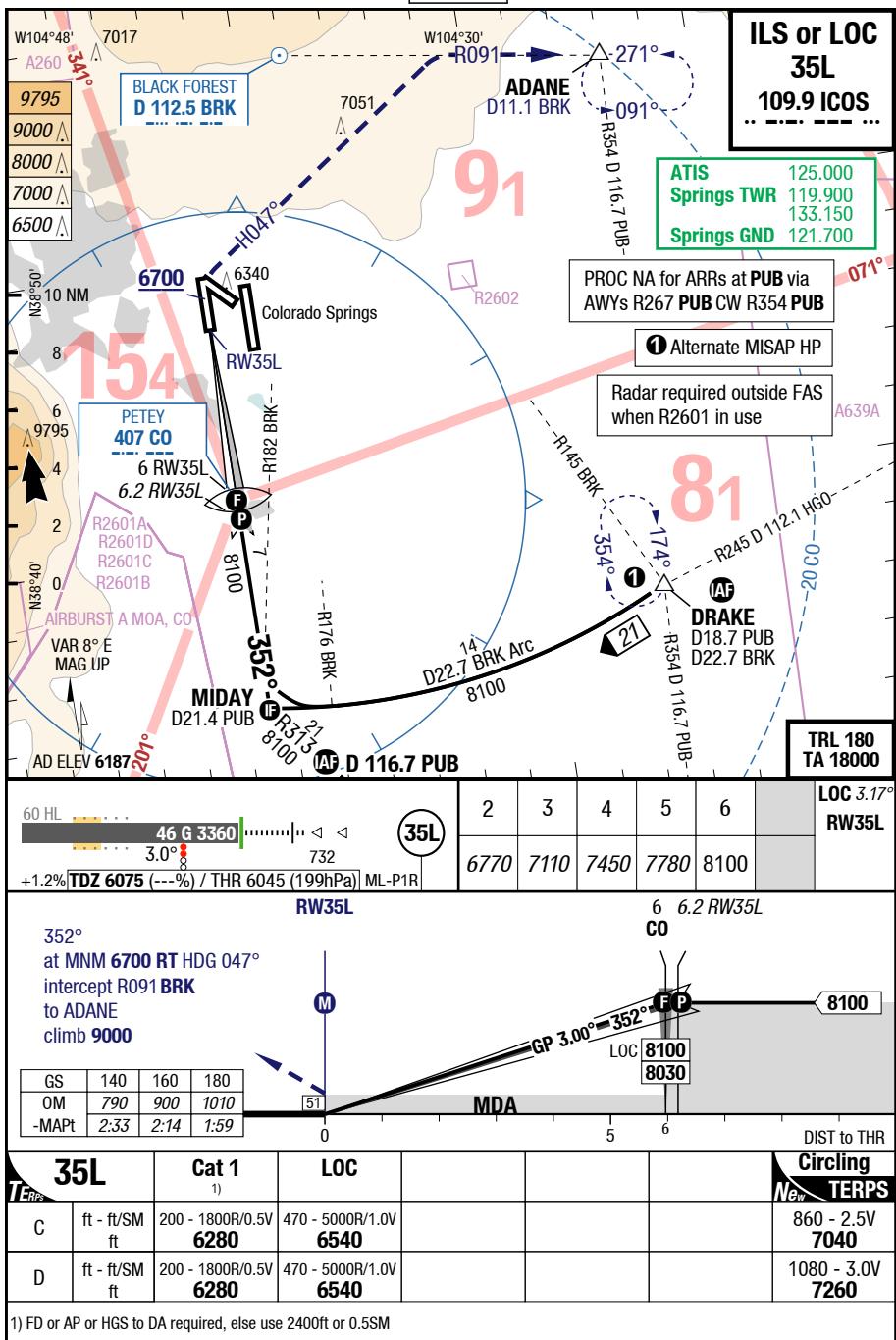
ILS or LOC 17L



COS-KCOS

7-20

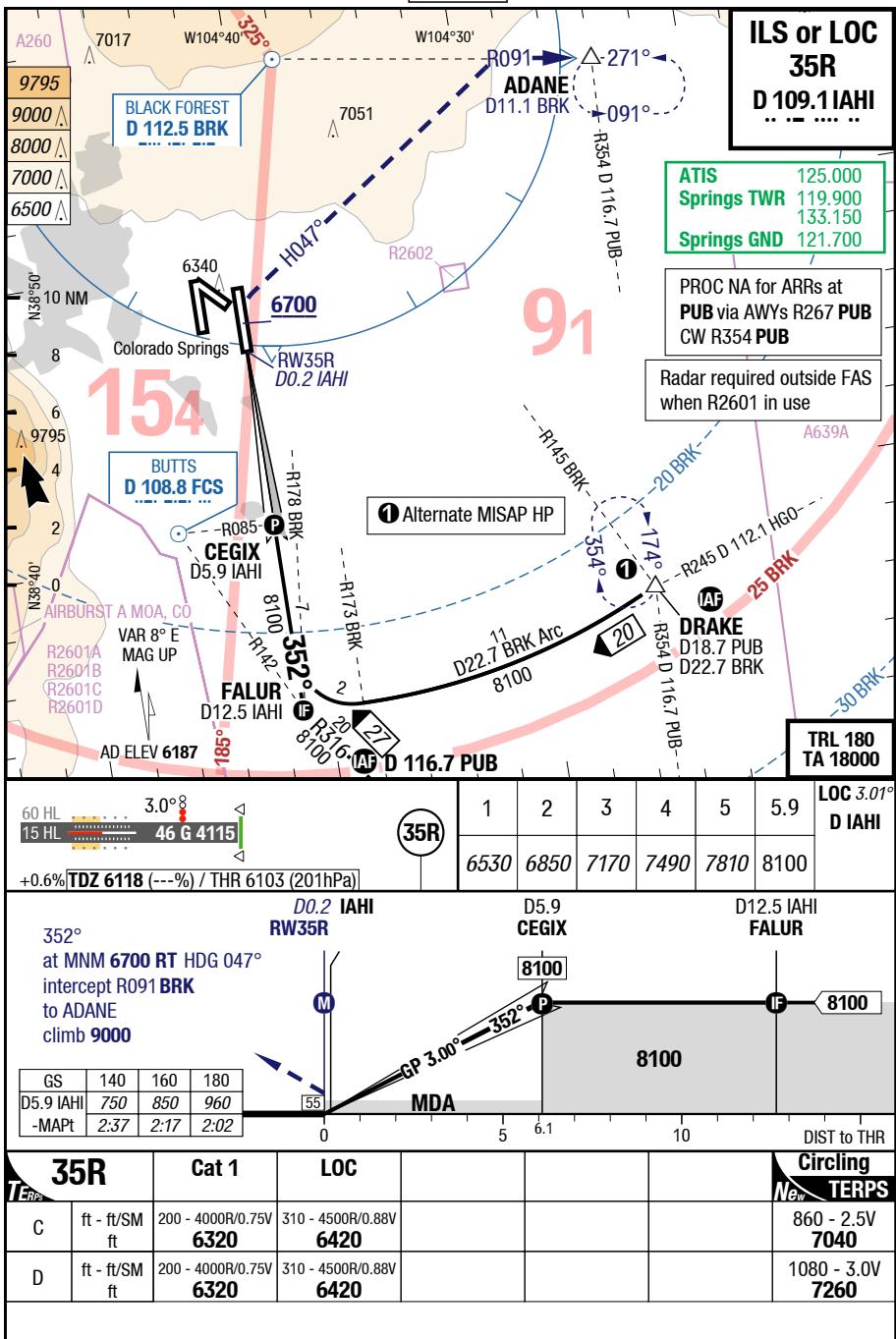
ILS or LOC 35L



COS-KCOS

7-30

ILS or LOC 35R

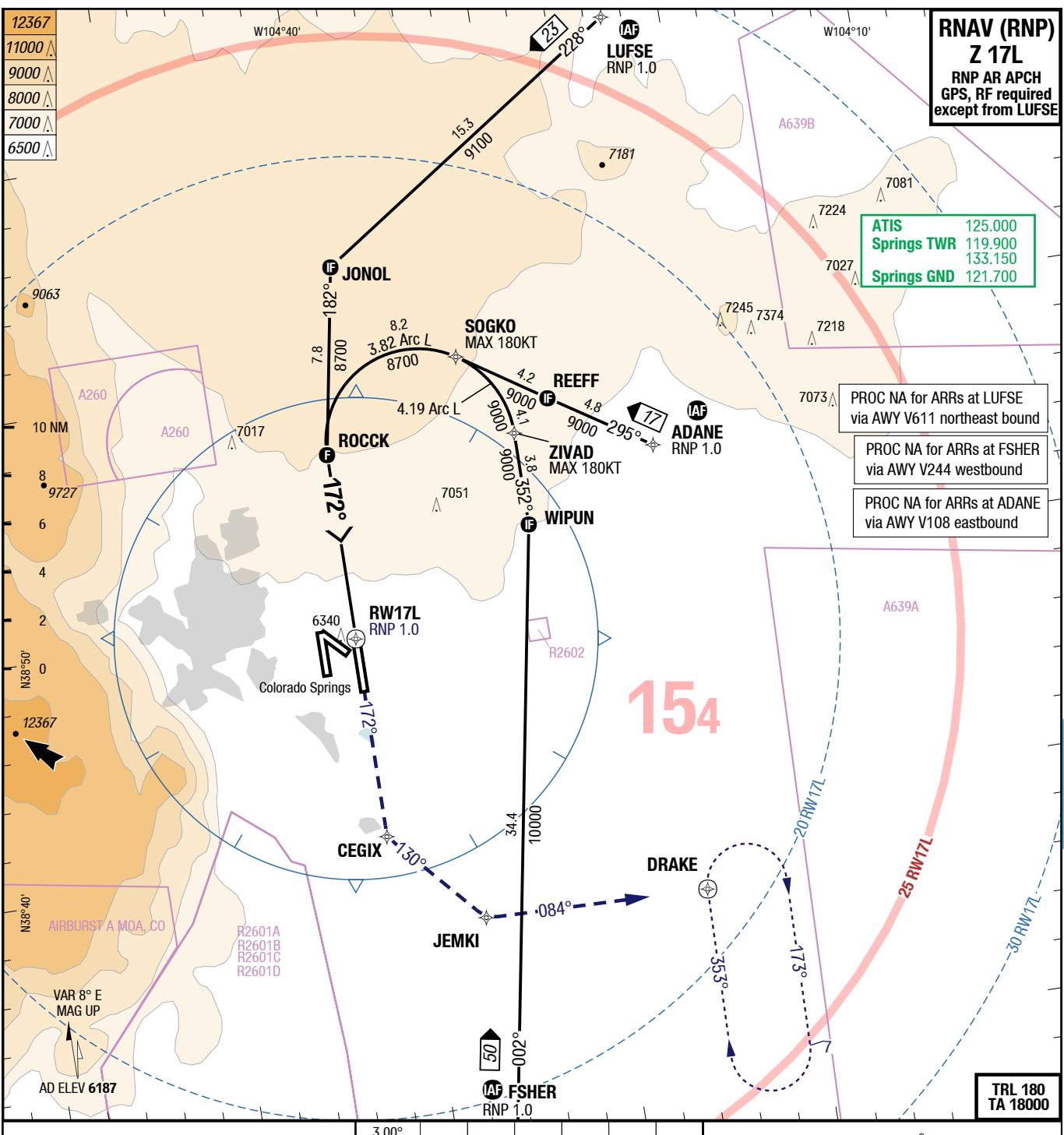


**RNAV (RNP)
Z 17L**
RNP AR APCH
GPS, RF required
except from LUFSE

ATIS
Springs TWR 125.000
Springs GND 119.900
Springs GND 133.150
Springs GND 121.700

PROC NA for ARRs at LUFSE
via AWY V611 northeast bound
PROC NA for ARRs at FSHER
via AWY V244 westbound
PROC NA for ARRs at ADANE
via AWY V108 eastbound

154



3.0° RW17L	7.7	6	5	4	3	2
	8700	8160	7840	7520	7200	6880

ML-P1R THR 6187 (203hPa) / TDZ 6187 (---%) -0.6%

83.0° 60 HL 15 HL

732 4115 G 46

RW17L

17L

172° to CEGIX
LT 130° to JEMKI
LT 084° to DRAKE
climb 9000

GS 140 160 180

740 850 960

DA 57

17L

TERRPs

C ft - ft/SM ft 370 - 4000R/0.75V 6560 740 - 2.0V 6920 460 - 5000R/1.0V 6650

D ft - ft/SM ft 370 - 4000R/0.75V 6560 740 - 2.0V 6920 460 - 5000R/1.0V 6650

1) Uncompensated BARO VNAV NA below -21°C (-5°F) or above 44°C (112°F)

COS-KCOS

7-60

RNAV (RNP) Z 17R

RNAV (RNP) Z 17F

RNAV (RNP)
Z 17R
RNP AR APCH
GPS, RF required
except from LUFSE

TWR	125.000
TWR	119.900
TWR	133.150
GND	121.700

154

PROC NA for ARR at LUFSE
via AWY V611 northeast bound

SIMUL APCH AUTH

PROC NA for ARR's at I

PROC NA for ARR_s at ADANE
via AWX V102 ecctbound

308

**TRL 180
TA 18000**

172° to KUSAC
LT 125° to JEMKI
LT 084° to DRAKE
climb 9000

3.00°	7.8	6	5	4	3	2
RW17R	8700	8150	7830	7510	7190	6870

17R

THB 6177 (203hPa) / TDZ 6177 (---%) -1.2%

RW17R

DA

GS	140	160	180
	740	850	960

160	180
850	960

17R TERPS		RNAV RNP 0.22 VNAV 1)	RNAV RNP 0.30 VNAV 1)				Circling TERPS
C	ft - ft/SM ft	490 - 1.75V 6660	730 - 2.5V 6910				Not published
D	ft - ft/SM ft	490 - 1.75V 6660	730 - 2.5V 6910				Not published

1) Uncompensated BARO VNAV NA below -21°C (-5°F) or above 45°C (113°F)

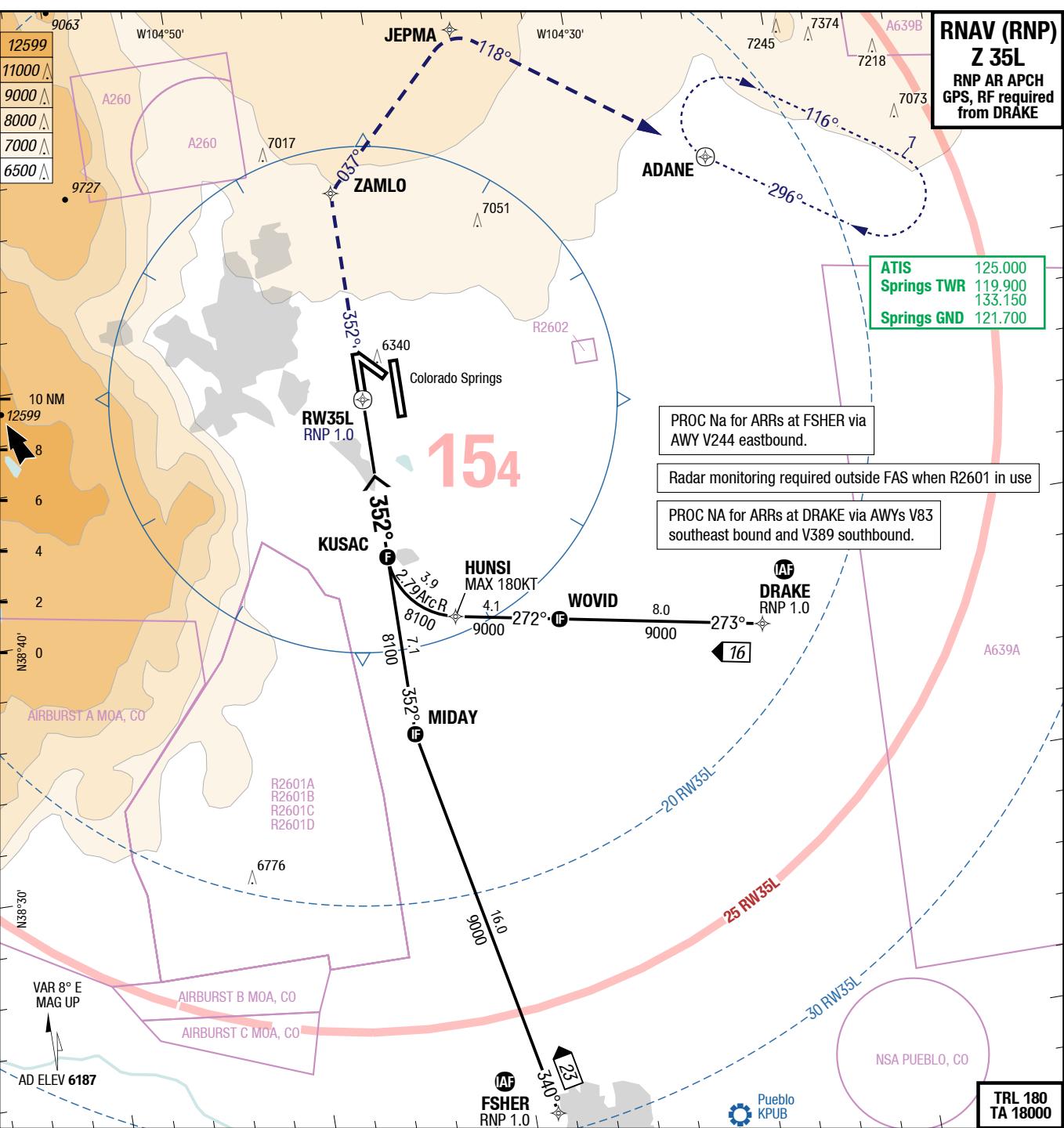
**RNAV (RNP)
Z 35L**
RNP AR APCH
GPS, RF required
from DRAKE

ATIS 125.000
Springs TWR 119.900
133.150
Springs GND 121.700

PROC Na for ARR's at FSHER via AWY V244 eastbound.

Radar monitoring required outside FAS when R2601 in use

PROC NA for ARR's at DRAKE via AWYs V83 southeast bound and V389 southbound.



	1	2	3	4	5	6.3	3.00° RW35L
	6420	6740	7060	7380	7700	8100	

+1.2% TDZ 6075 (---%) / THR 6045 (199hPa) ML-P1R

60 HL 46 G 3360 3.0° 732 35L

352° to ZAMLO
RT 037° to JEPMA
RT 118° to ADANE
climb 9000

GS 140 160 180
740 850 960 DA DIST to THR

35L 6.3 RW35L KUSAC 8100 352° 8100 RW35L N38 47.6 W104 43.0

TERPs DA Circling TERPS

C ft - ft/SM ft Not published

D ft - ft/SM ft Not published

6380 6430 6380 6430

300 - 3000R/0.63V 300 - 5000R/1.0V 360 - 4000R/0.75V

300 - 3000R/0.63V 300 - 5000R/1.0V 360 - 4000R/0.75V

6380 6430 6380 6430

1) Uncompensated BARO VNAV NA below -21°C (-5°F) or above 45°C (113°F)

COS-KCOS

7-80

RNAV (RNP) Z 35R

IAC
IAC

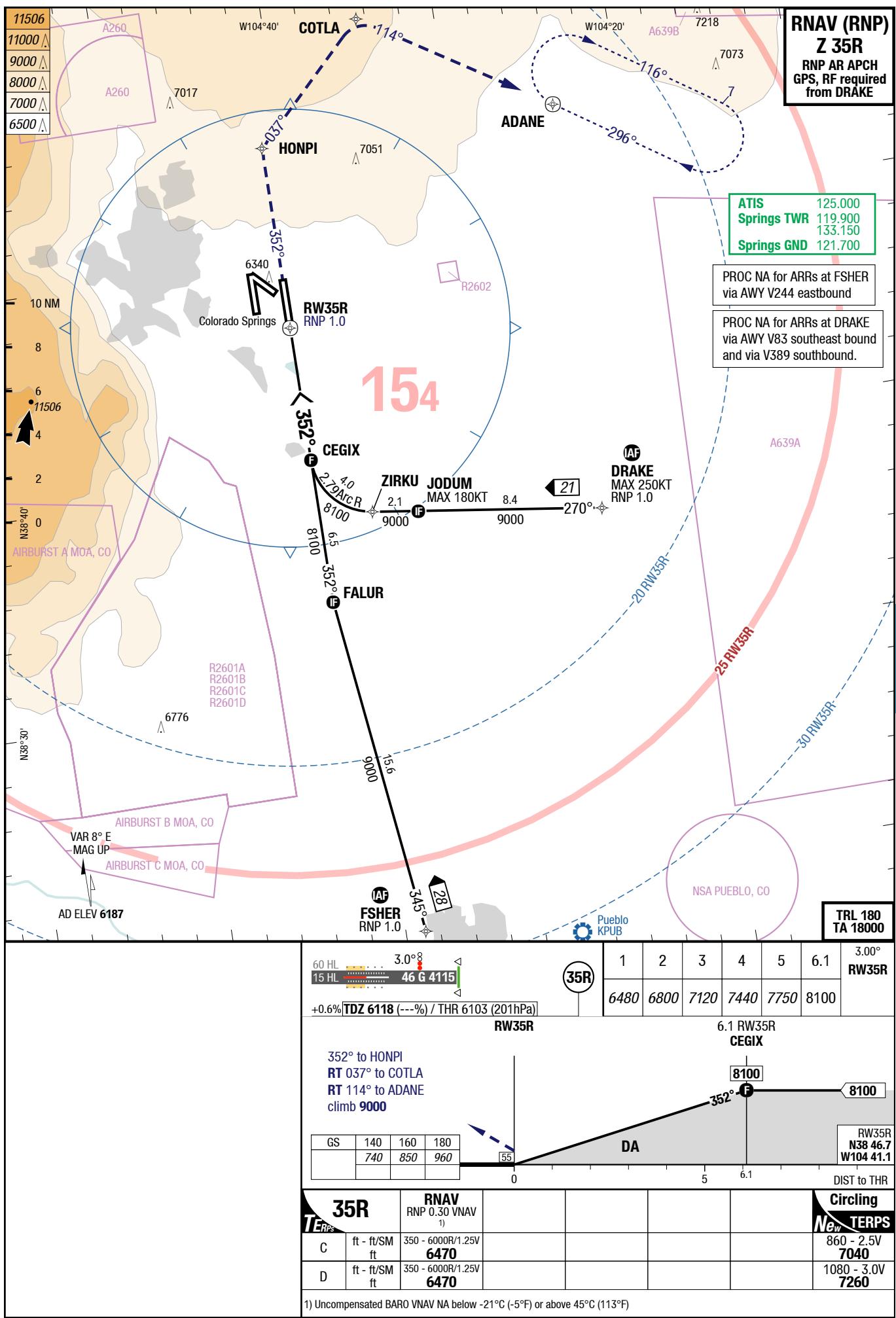
RNAV (RNP) Z 35R

**RNAV (RNP)
Z 35R**
RNP AR APCH
GPS, RF required
from DRAKE

ATIS 125.000
Springs TWR 119.900
133.150
Springs GND 121.700

PROC NA for ARRs at FSHER via AWY V244 eastbound

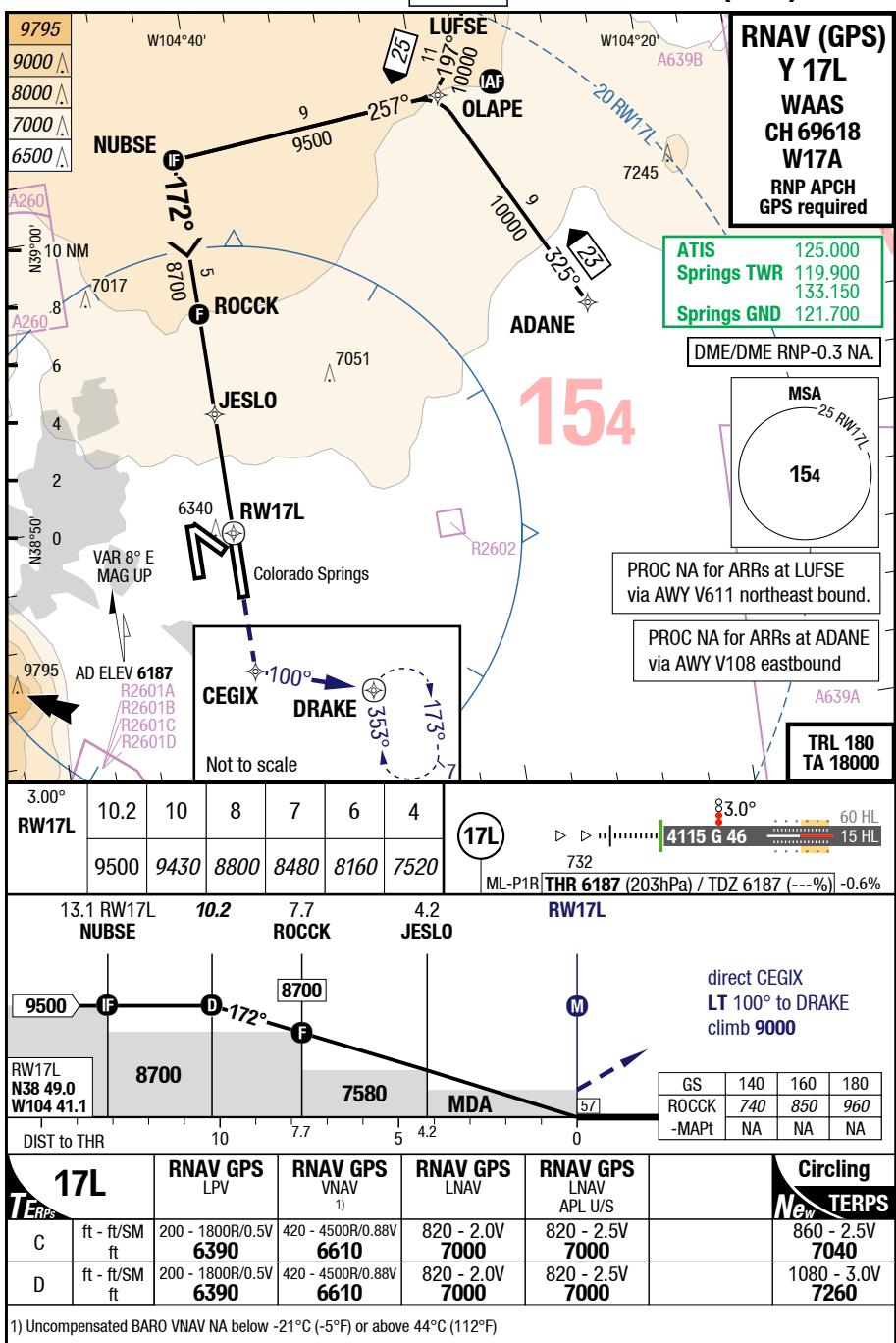
PROC NA for ARRs at DRAKE via AWY V83 southeast bound and via V389 southbound.



COS-KCOS

7-90

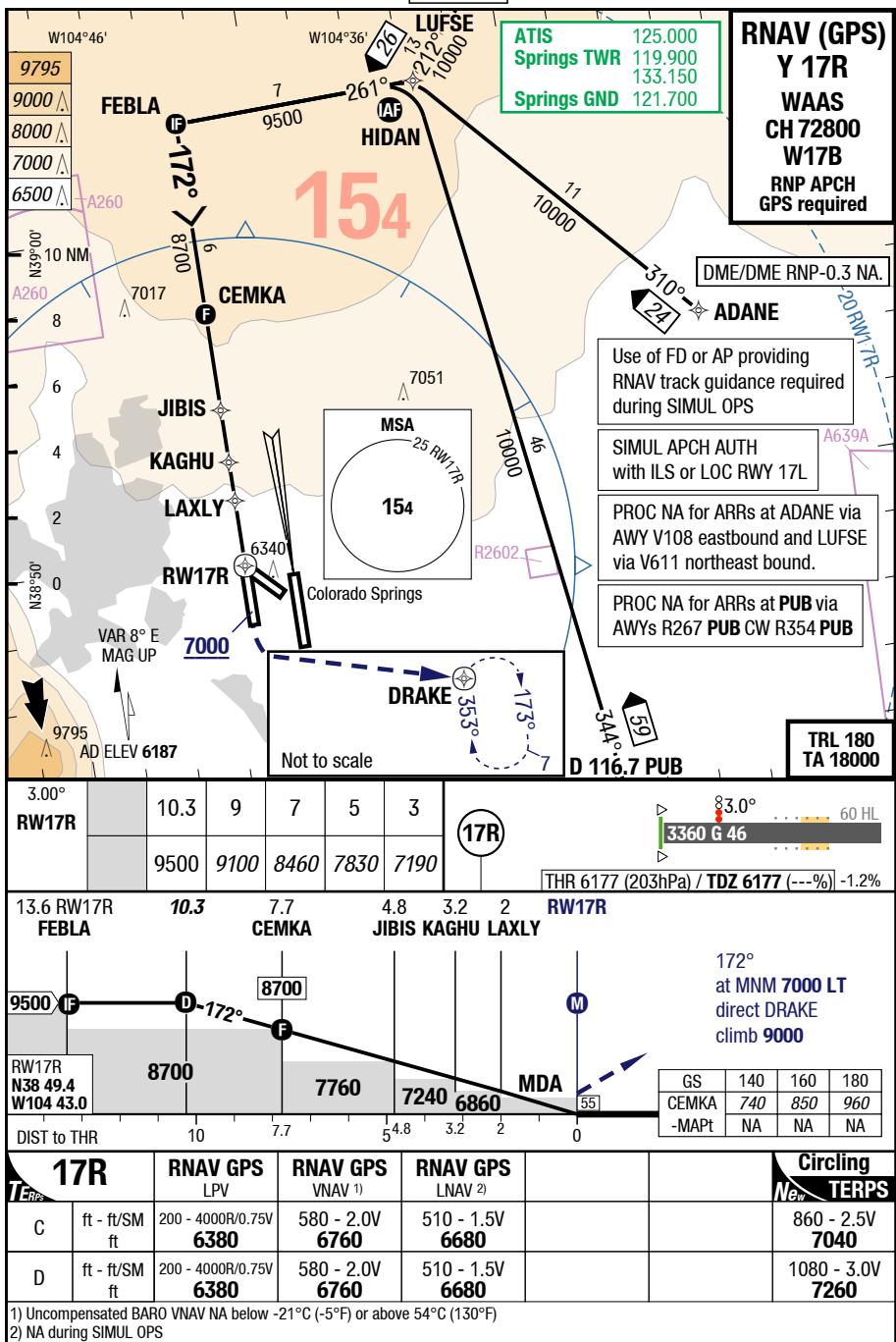
RNAV (GPS) Y 17L



COS-KCOS

7-100

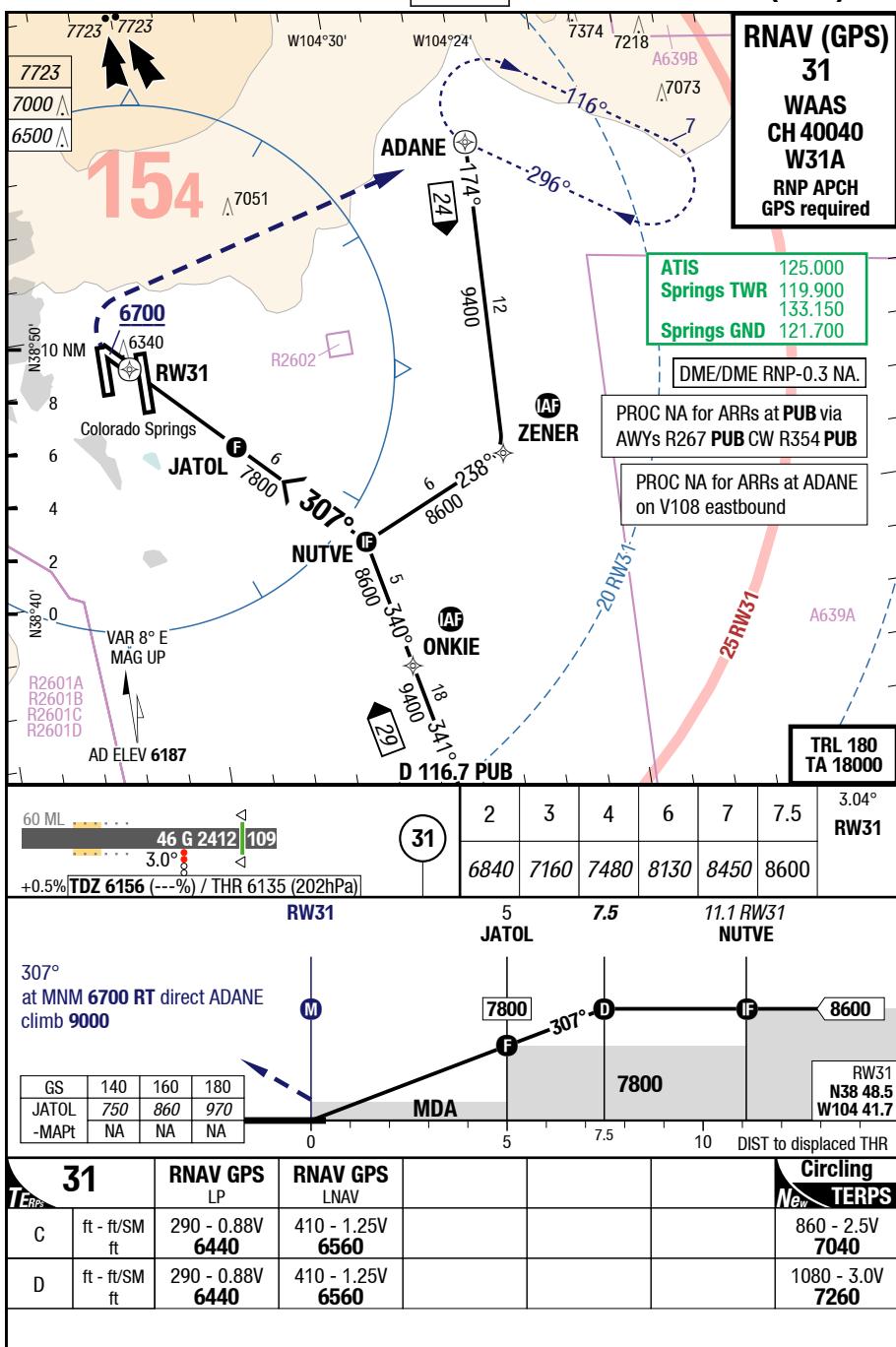
RNAV (GPS) Y 17R



COS-KCOS

7-110

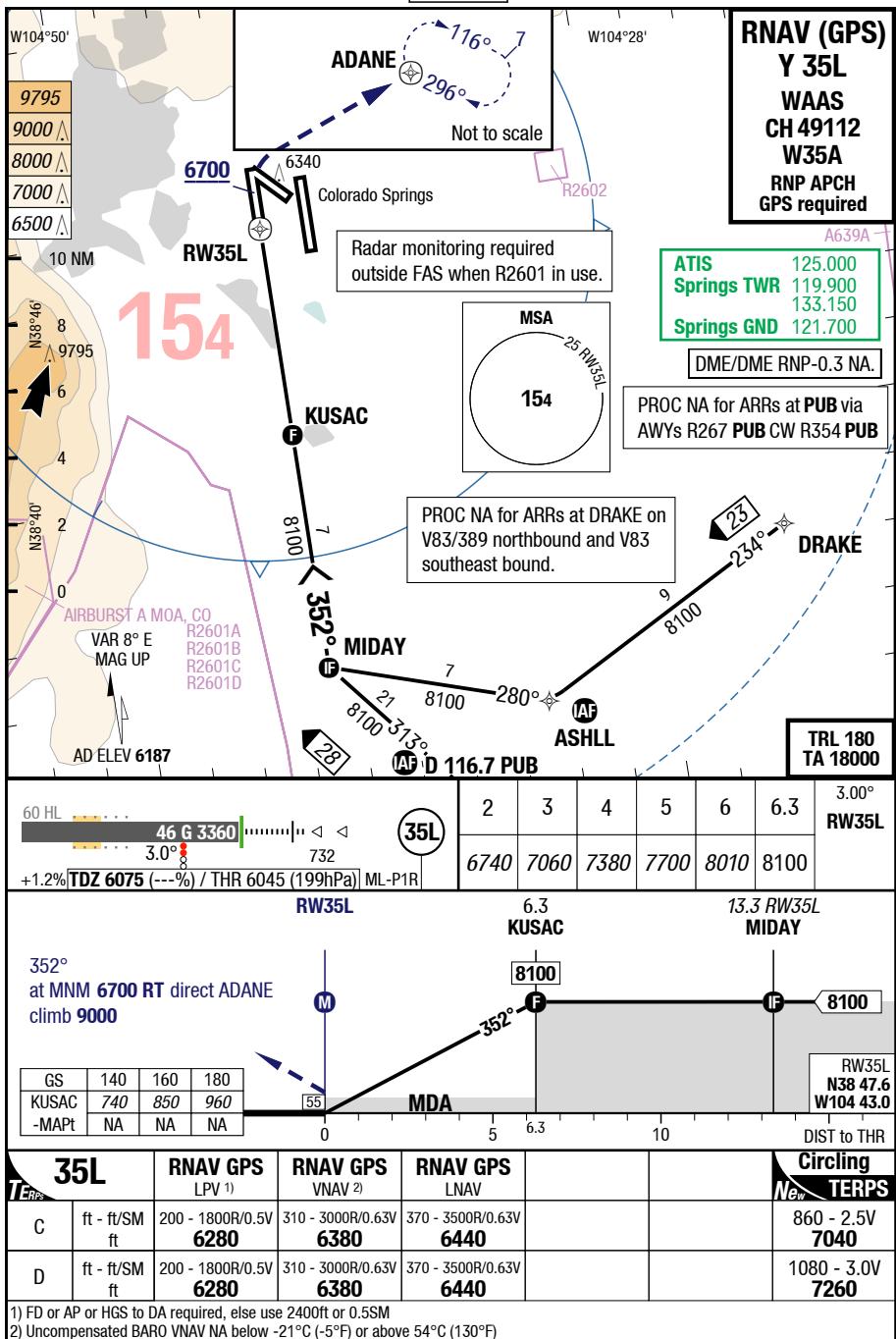
RNAV (GPS) 31



COS-KCOS

7-120

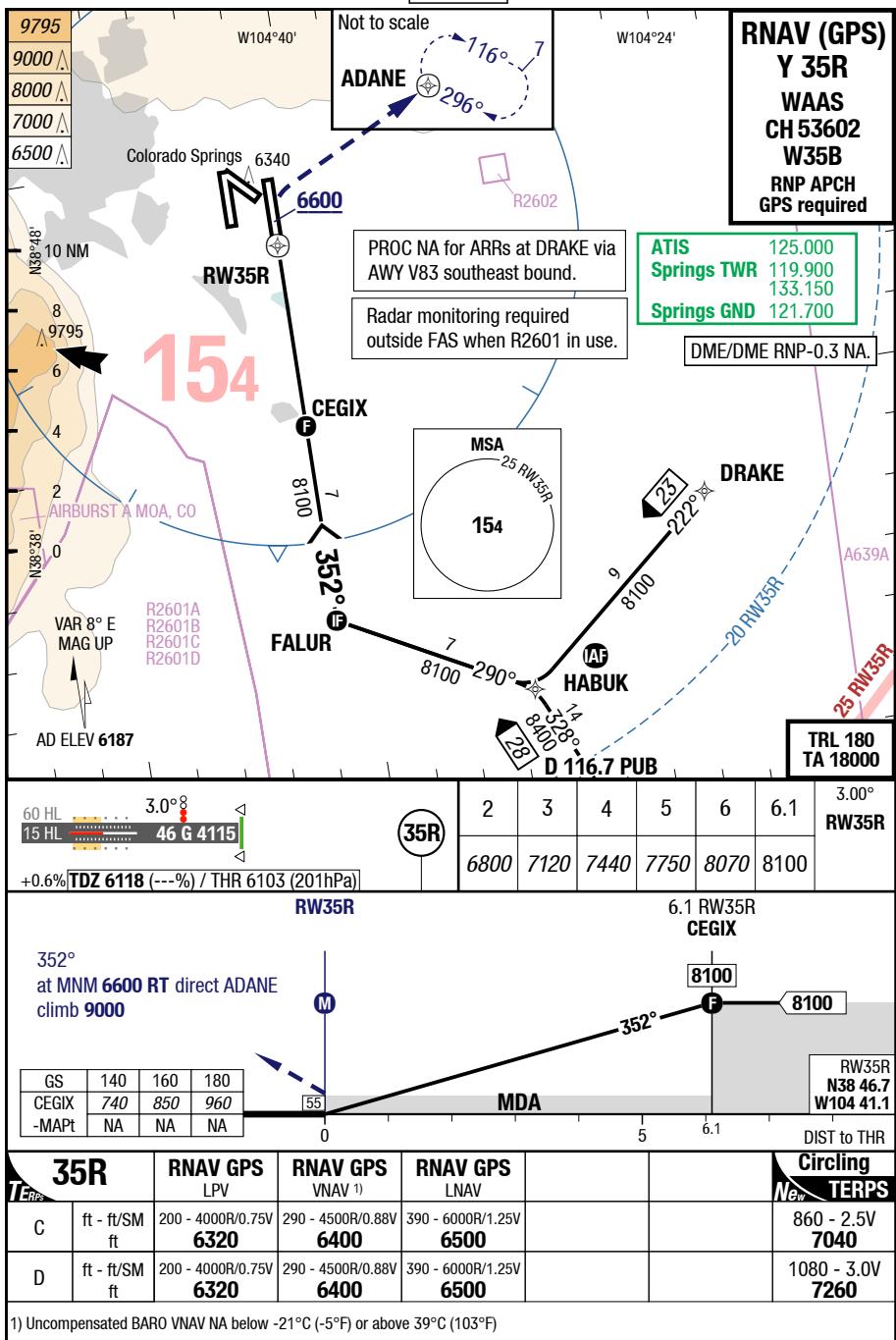
RNAV (GPS) Y 35L



COS-KCOS

7-130

RNAV (GPS) Y 35R



COS-KCOS

7-150

NDB 35L

