Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 03/19/2026	APWS Task ID: 97887AF59E154A01859E8B94493EBCE1	APWS Project ID: A05EE60C287142B5AD95ABEC8F222250
Procedure: PRICY (RNAV) FIVE ARRIVAL		Enroute: YES	Specialist: Martinez, Rafael		Agreement Number:
Airport ID: KMCO			Airport City: ORLANDO		State: FL
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

Procedure Comments:

LANDING KMCO RWY 17L/R, 18L/R: REPLACED LYENS WITH DVOLA AND MOVED DVOLA WAYPOINT 1.67NM NORTH.

CONTACT: BEV L BORDY 405-954-8293/CASIMIR TABAKA 405-954-7931.

APPROVAL REQUEST: FAA ORDER 8260.3E, PARA 2-2-10A, GIRAF TO DVOLA DECELERATION.

QUALITY 41 CHECKED

11/21/2025

QUALITY 14 CHECKED

Data as of: 11/13/2025 09:31:48 CST

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
PRICY (RNAV) FIVE ARRIVAL	ORLANDO INTL	KMCO	AG-11-183-25

FAC ID: PRICY5	CITY: ORLANDO	ST: FL	ORIG CHART DATE: 03/19/2026

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		97887AF59E154A01859E8B94493EBCE1

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
12/18/2025	VN085	N89	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
kenneth e jack @ 12/19/2025 08:51	JACK, KENNETH EARL	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

RNAV Performance Based Navigation Departure Procedure, Standard Instrument Departure (SID) and Standard Terminal Arrival Route (STAR) segments within 15 NM of the departure airport do not require flight inspection for DME coverage, provided radar and communication coverage are satisfactory along the segment at the published altitudes (including published MEAs).

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☒ SAT ☐ UNSAT	steven s-ctr rager @ 12/24/2025 06:06	Steven Rager

SPECIALIST REMARKS:

Procedure table topped. No DME Post Flight Check Analysis necessary. Procedure SAT based on TARGETS analysis.

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
PRICY (RNAV) FIVE ARRIVAL	ORLANDO INTL	KMCO	AG-11-183-25

FAC ID: PRICY5	CITY: ORLANDO	ST: FL	ORIG CHART DATE: 03/19/2026

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		97887AF59E154A01859E8B94493EBCE1

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
12/18/2025	VN085	N89	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
kenneth e jack @ 12/19/2025 08:51	JACK, KENNETH EARL	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

RNAV Performance Based Navigation Departure Procedure, Standard Instrument Departure (SID) and Standard Terminal Arrival Route (STAR) segments within 15 NM of the departure airport do not require flight inspection for DME coverage, provided radar and communication coverage are satisfactory along the segment at the published altitudes (including published MEAs).

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☐ SAT ☐ UNSAT		

SPECIALIST REMARKS:

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

Federal Aviation Administration

Memorandum

Date: December 9, 2024

To: Christopher Hope, Manager, Flight Technologies and Procedures Division
THRU: Romana Wolf, Manager, Flight Procedures and Airspace Group

From: Bev Bordy, Manager, Instrument Flight Procedures Coordination Team, AJV-A43

Prepared by: Erik J John, Sr. ATC Specialist, NAVTAC CTR Support

Subject: Deceleration Approval Request: Orlando International Airport (KMCO)
PRICY (RNAV) STAR

GIRAF to DVOLA Segment

The requirements stated in Order 8260.3G Paragraph 2-2-10.a. are: **Deceleration.** Sufficient distance and a reduced descent gradient are required prior to any fix with a speed restriction. STARs not meeting the requirements of this paragraph may be authorized with Flight Standards approval (see paragraph 1-4-2).

b. When descent is permitted, the descent gradient leading to the fix with the speed restriction must be reduced. Apply formula 2-2-2 to determine the minimum deceleration distance (DecelD) required before the fix; the greater distance leads to a reduced descent gradient.

(3) The first altitude restriction that is below 10000 feet MSL requires a deceleration evaluation unless an airspeed restriction of 250 KIAS or less exists prior to the point where descent below 10000 feet MSL occurs [14 CFR part 91.117 (a)]. If no speed is published at the first altitude restriction that is below 10000 feet MSL, then use the lower of 250 KIAS or the previous speed restriction (if applicable). When the first fix that allows descent below 10000 feet MSL has no charted speed restriction and the altitude constraint allows continued flight above 10000 feet MSL, the calculation is extended to the subsequent fix using the total descent and total distance for the applicable fixes.

Formula 2-2-2. Minimum Deceleration Distance (NM)

$$Decel_D = \frac{Alt_1 - Alt_2}{G} + K$$

Where:
Alt_1 = Minimum altitude at the fix prior to the speed restriction
Alt_2 = Minimum altitude at the fix with the speed restriction
G = Applicable gradient value (330/318/250)
K = 1 NM for every 10 KIAS of deceleration required

Paragraph 1-4-2. …states in part:
"Nonstandard IFP. …obstacles, navigation information, or traffic congestion may require special consideration where justified by operational requirements. In such cases, nonstandard IFPs that deviate from these criteria may be approved, provided they are documented and an equivalent level of safety exists…"

The GIRAF to DVOLA segment with constraints at GIRAF of AT/ABOVE 8000/220 KIAS and at DVOLA of AT 6000/210 KIAS is 8.6 NM in length. Per the 8260.3G requirement in the above formula, the required leg length is 9 NM to reduce airspeed from 220 KIAS to 210 KIAS and descend from 8000FT to 6000FT. From analysis with a descent and deceleration tool shown below, the speed adjusted descent gradient is 263 FT/NM and a Leg Angle of 2.48°. This is well within normal performance characteristics of industry aircraft flying this procedure today. During design meetings, no objections were noted from industry on the leg construction being submitted.

Enter distance between waypoints **(D)**	**8.60**	NM
Enter beginning altitude **(a)**	**8,000**	FT
Enter ending altitude **(b)**	**6,000**	FT
Enter beginning speed	**220**	KIAS
Enter ending speed	**210**	KIAS
Calculated Descent Gradient (DG)	**232.558**	FT / NM
Calculated speed loss **(x)**	**10**	Knots
Calculated Speed Adjusted Descent Gradient	**263.2**	**FT / NM**
Leg Angle	**2.48°**	

Consideration was given to moving GIRAF and/or DVOLA but after analyzing the requirement and design along with the calculation above, it was deemed not necessary. Moving GIRAF would have also adversely affected the procedure and traffic within F11 airspace. Industry also showed no adverse effects or concerns with the design. Therefore, ATC requests approval for the design as submitted.

OLD

AL-571 (FAA)

(PRICY.PRICY4) 24305

PRICY FOUR ARRIVAL (RNAV) Transition Routes

ORLANDO, FLORIDA

RNAV 1 - DME/DME/IRU or GPS.
CHRGE Transition - RNAV 1-GPS.
CIGAR Transition - RNAV 1-GPS.

RADAR required.

ORLANDO APP CON
134.05 339.8
ISM ATIS
128.775
LEE ATIS
134.325
MCO D-ATIS ARR
121.25
MLB ATIS
132.55
ORL ATIS
127.25
SFB ATIS
125.975

NOTE: Jet aircraft only.
NOTE: Do not file BULKS, CHIVE or DOZES Transitions - to be assigned by ATC.
NOTE: Landing south use Rwy 18R Transition, Landing north use Rwy 36L Transition.

(CONTINUED ON FOLLOWING PAGE)

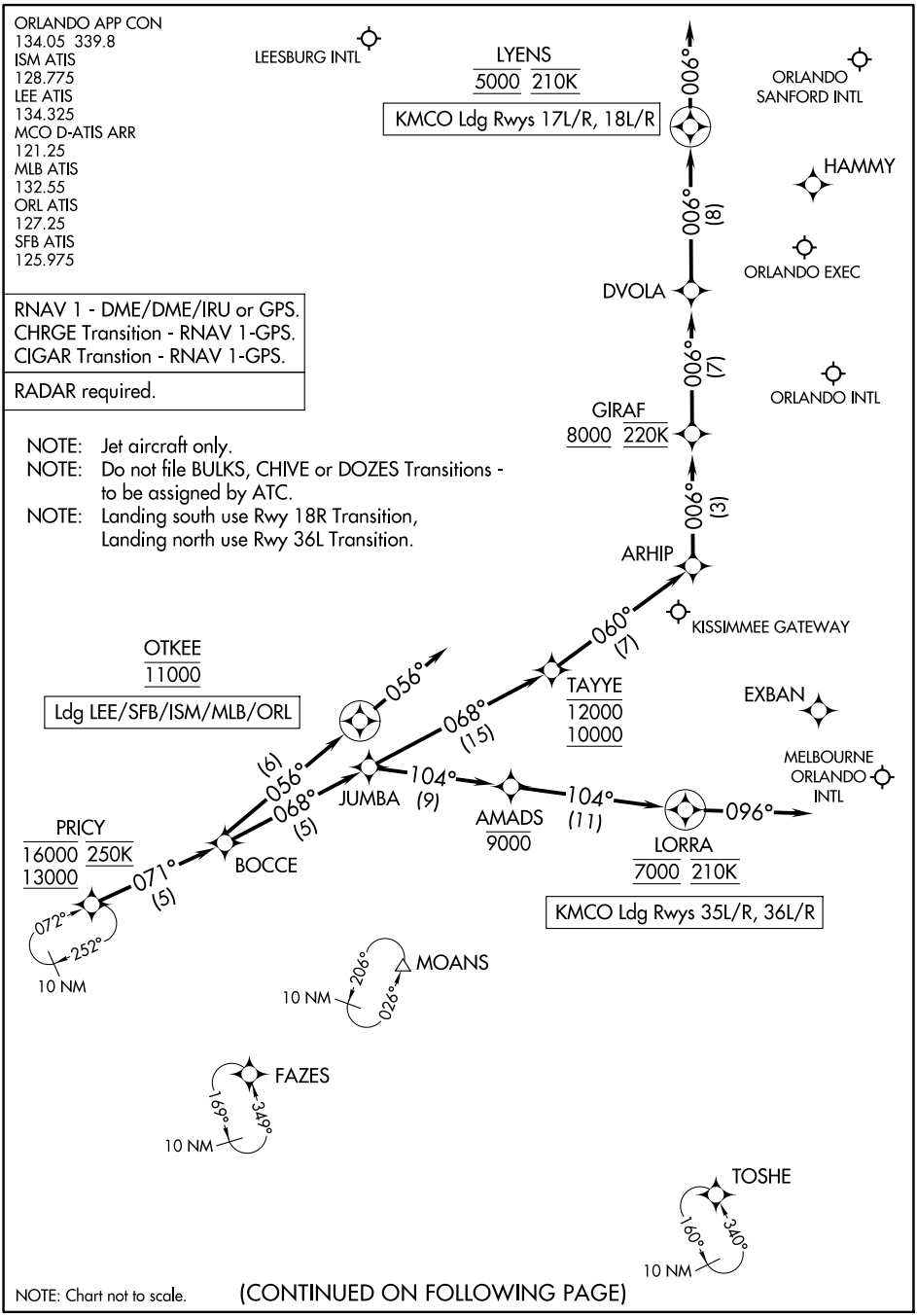
NOTE: Chart not to scale.

SE-3, 04 SEP 2025 to 02 OCT 2025

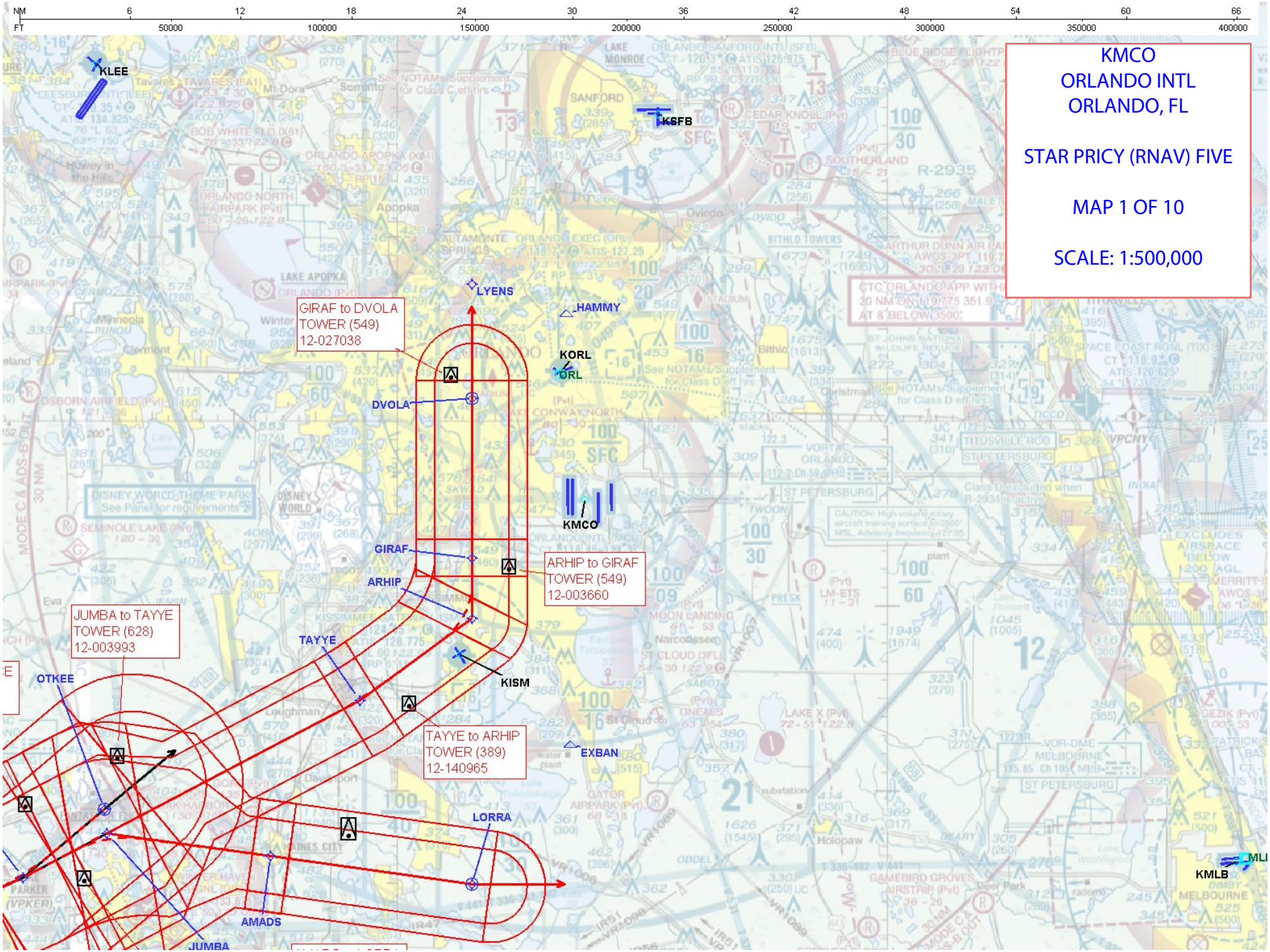
PRICY FOUR ARRIVAL (RNAV) Transition Routes
(PRICY.PRICY4) 31OCT24
ORLANDO, FLORIDA

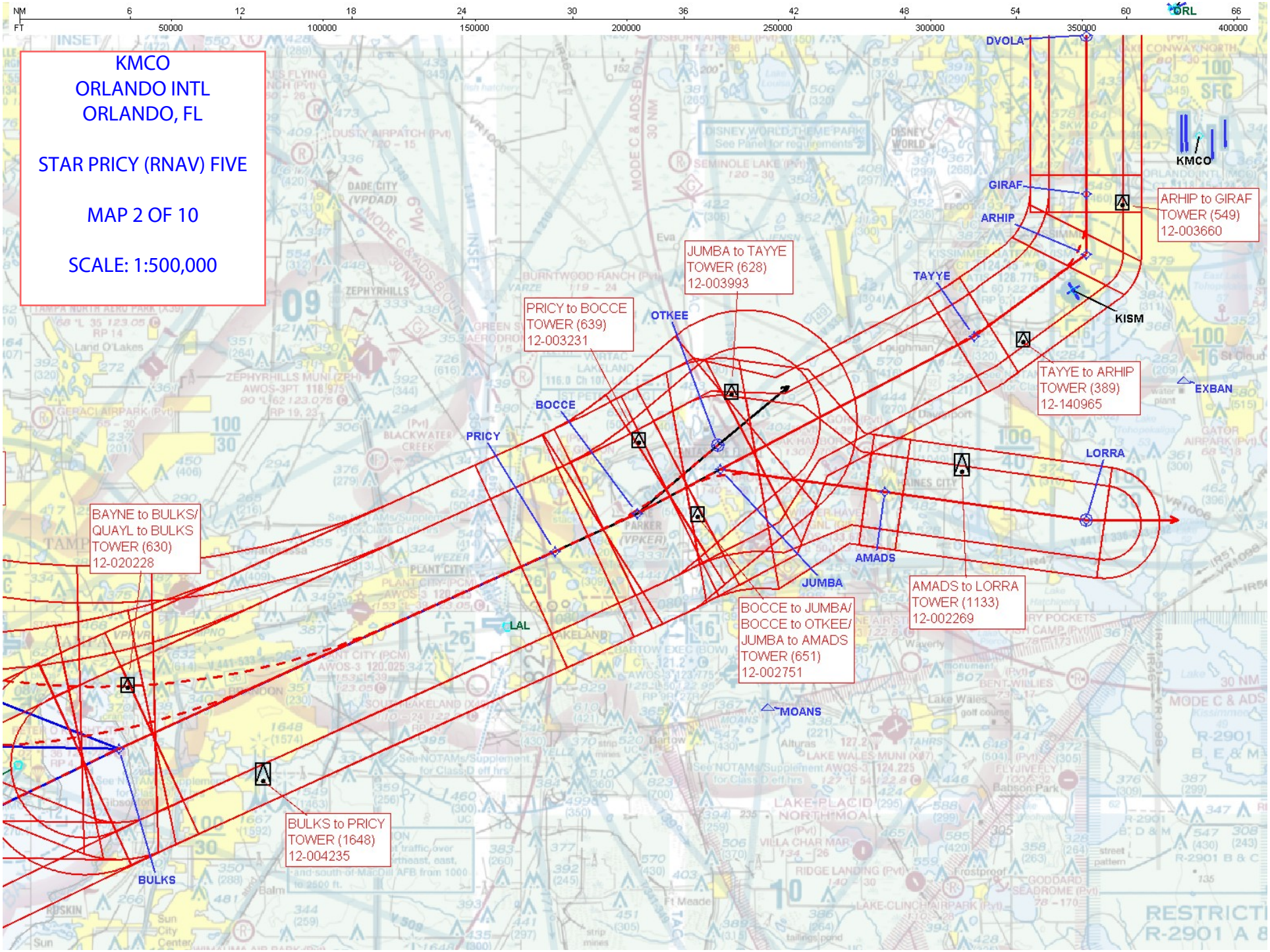
PRICY FOUR ARRIVAL (RNAV) Arrival Routes

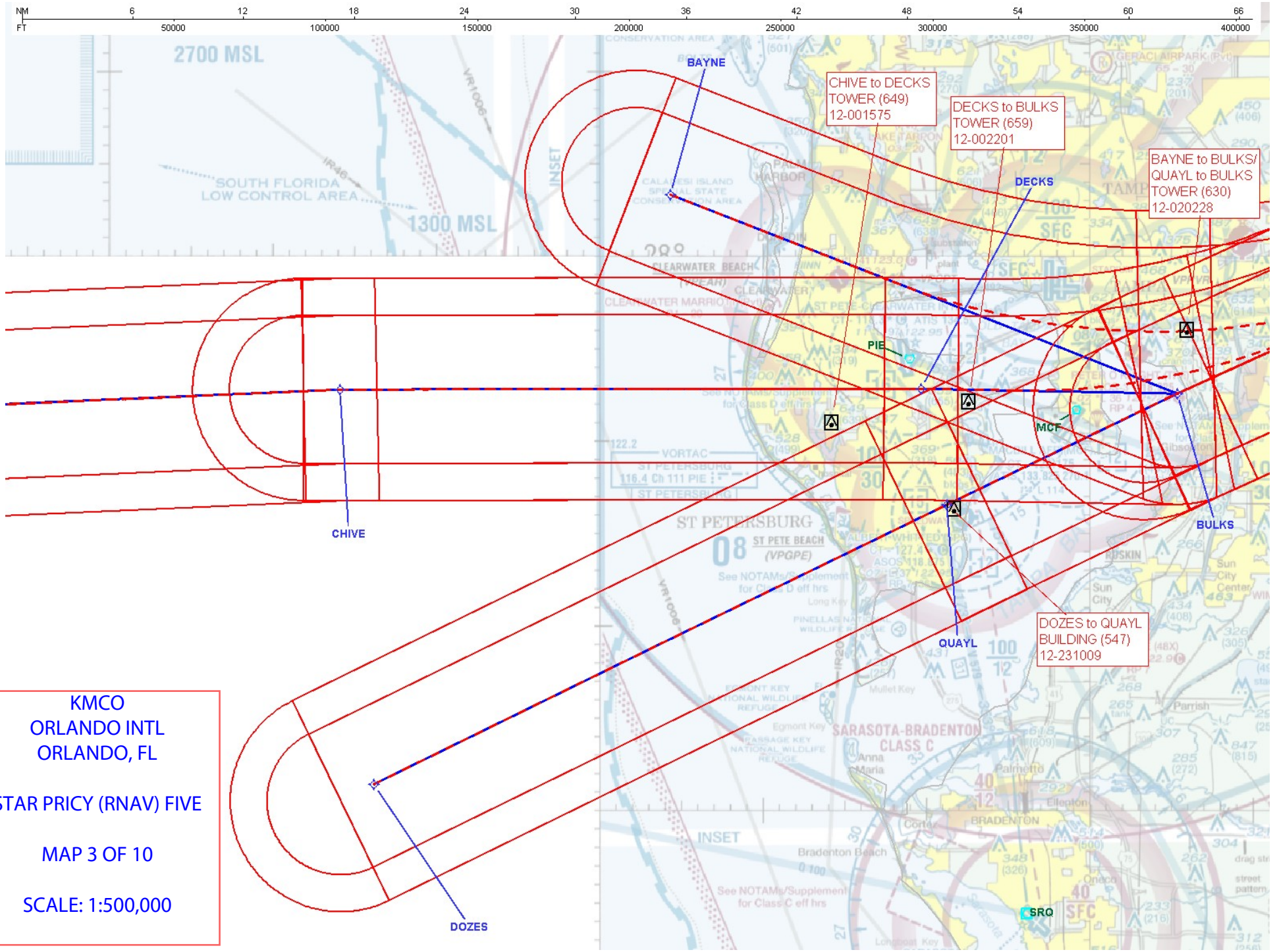
ORLANDO, FLORIDA



SE-3, 04 SEP 2025 to 02 OCT 2025
SE-3, 04 SEP 2025 to 02 OCT 2025


KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 1 OF 10
SCALE: 1:500,000
KLEE
KSFB
LYENS
HAMMY
KORL
ORL
DVOLA
GIRAF to DVOLA
TOWER (549)
12-027038
KMCO
GIRAF
ARHIP
ARHIP to GIRAF
TOWER (549)
12-003660
JUMBA to TAYYE
TOWER (628)
12-003993
TAYYE
KISM
OTKEE
TAYYE to ARHIP
TOWER (389)
12-140965
EXBAN
LORRA
AMADS
JUMBA
KMLB


KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 2 OF 10
SCALE: 1:500,000
DVOLA
GIRAF
ARHIP
ARHIP to GIRAF
TOWER (549)
12-003660
JUMBA to TAYYE
TOWER (628)
12-003993
TAYYE
KISM
PRICY to BOCCE
TOWER (639)
12-003231
OTKEE
TAYYE to ARHIP
TOWER (389)
12-140965
EXBAN
BOCCE
PRICY
LORRA
BAYNE to BULKS/
QUAYL to BULKS
TOWER (630)
12-020228
AMADS
JUMBA
AMADS to LORRA
TOWER (1133)
12-002269
LAL
BOCCE to JUMBA/
BOCCE to OTKEE/
JUMBA to AMADS
TOWER (651)
12-002751
MOANS
BULKS to PRICY
TOWER (1648)
12-004235
BULKS

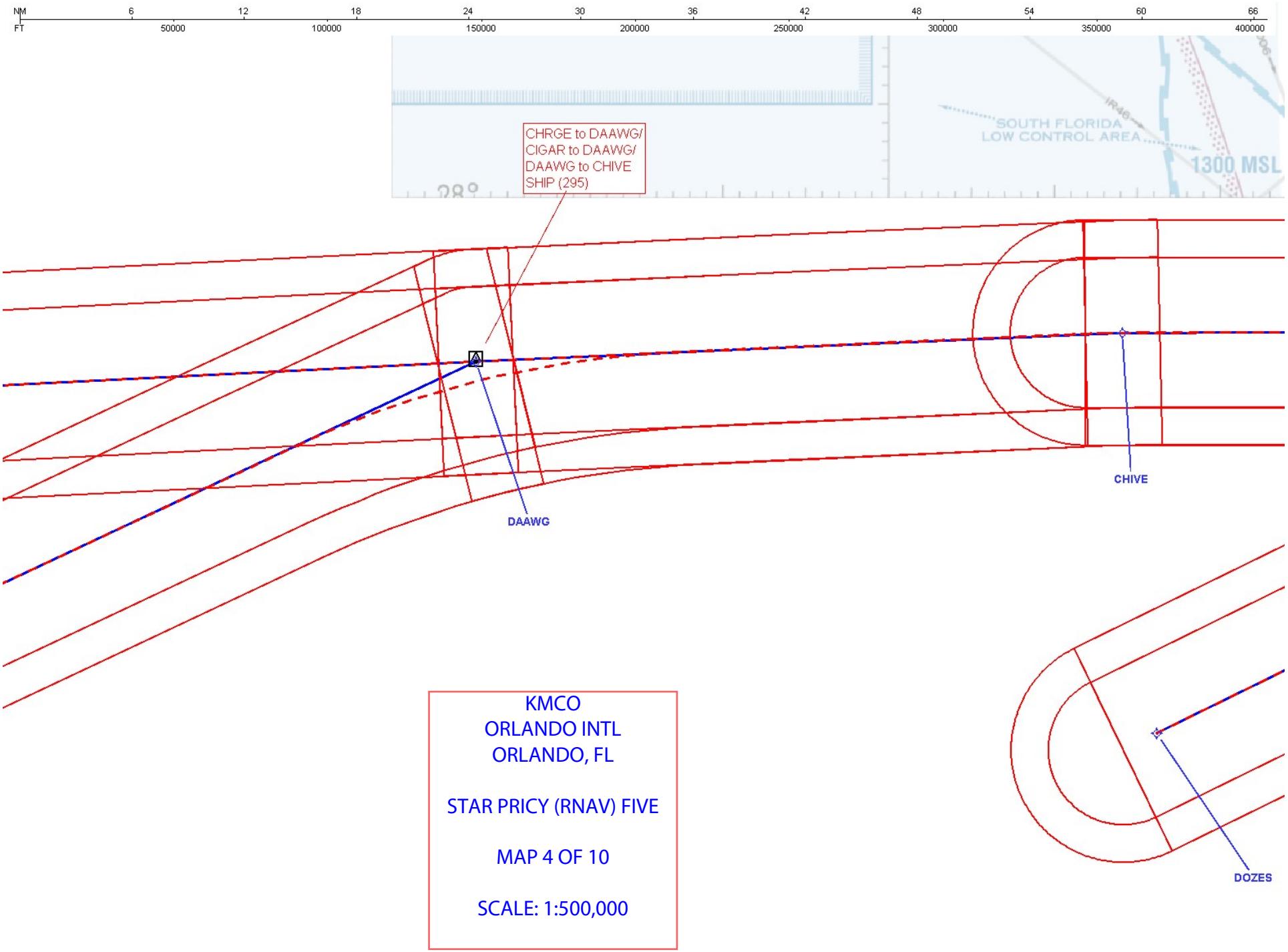


KMCO
ORLANDO INTL
ORLANDO, FL

STAR PRICY (RNAV) FIVE

MAP 3 OF 10

SCALE: 1:500,000

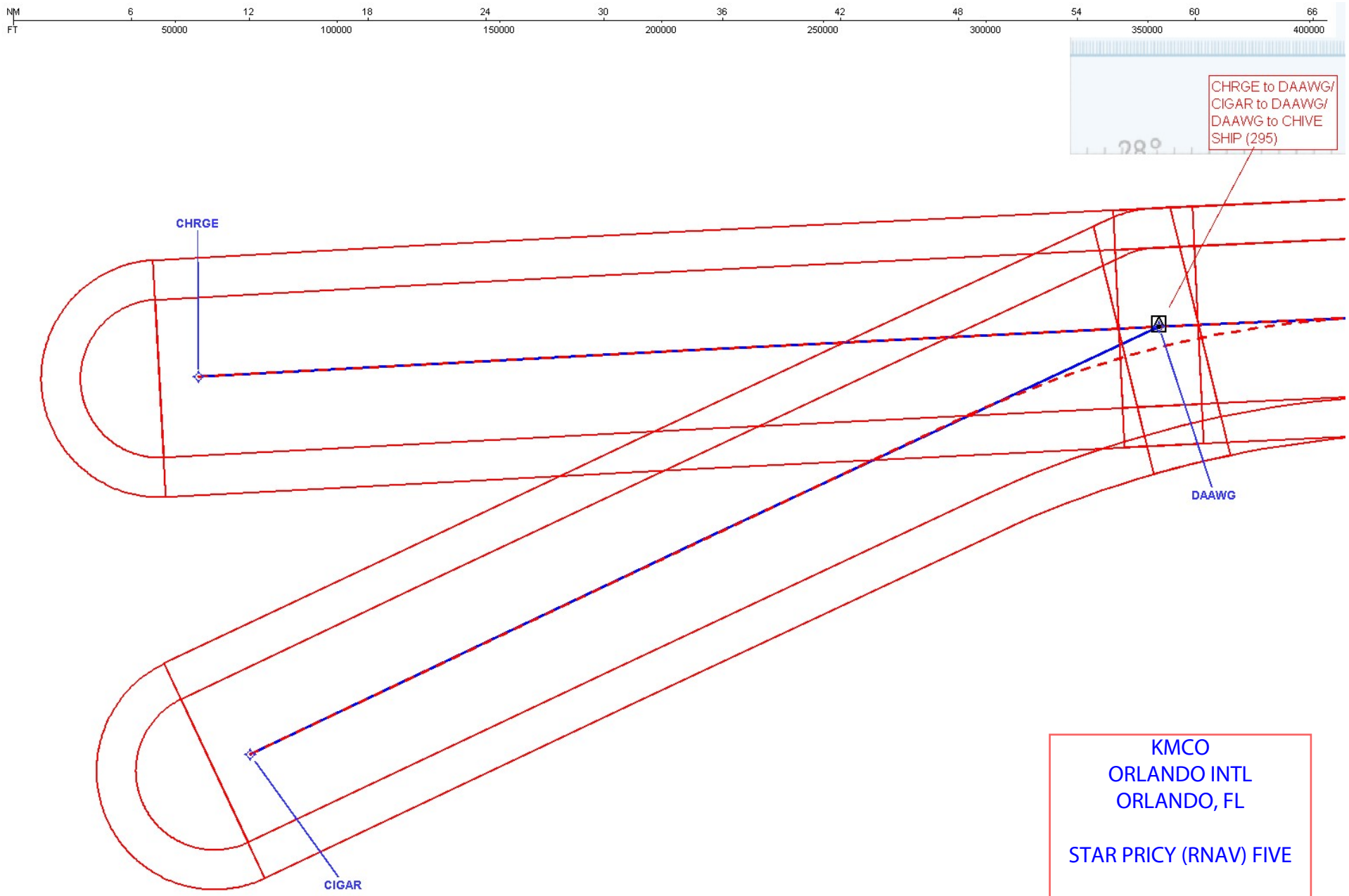


KMCO
ORLANDO INTL
ORLANDO, FL

STAR PRICY (RNAV) FIVE

MAP 4 OF 10

SCALE: 1:500,000

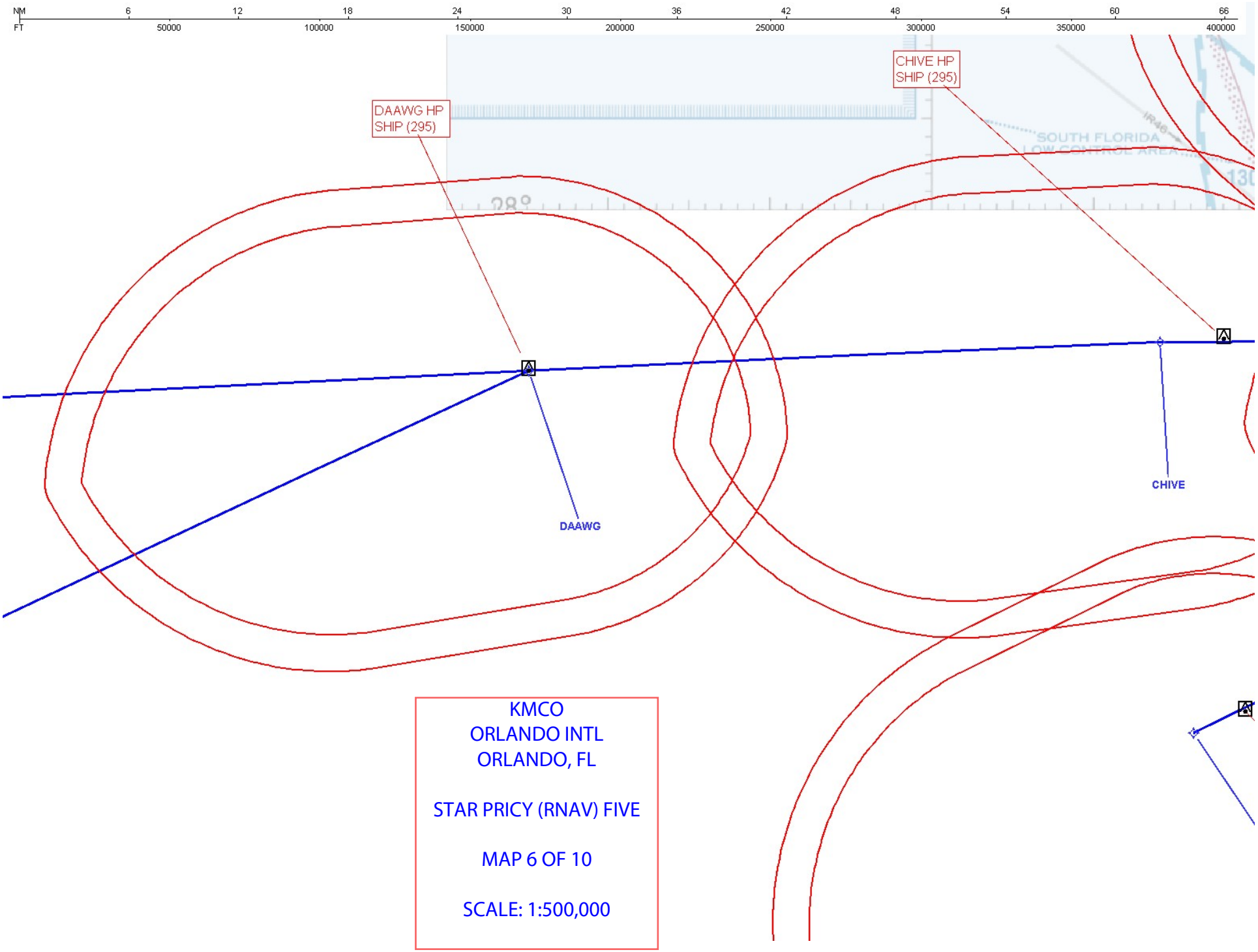


KMCO
ORLANDO INTL
ORLANDO, FL

STAR PRICY (RNAV) FIVE

MAP 5 OF 10

SCALE: 1:500,000

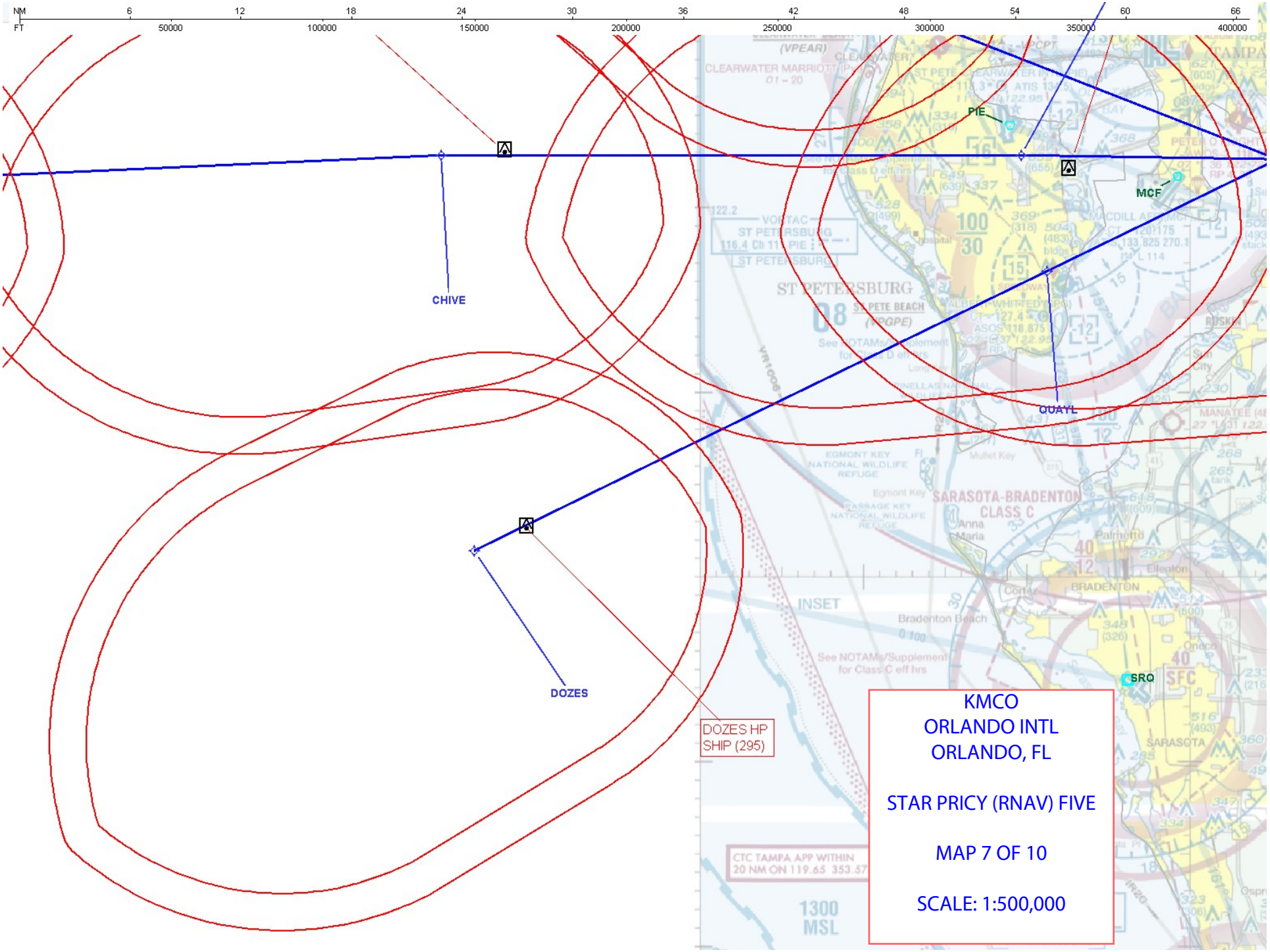


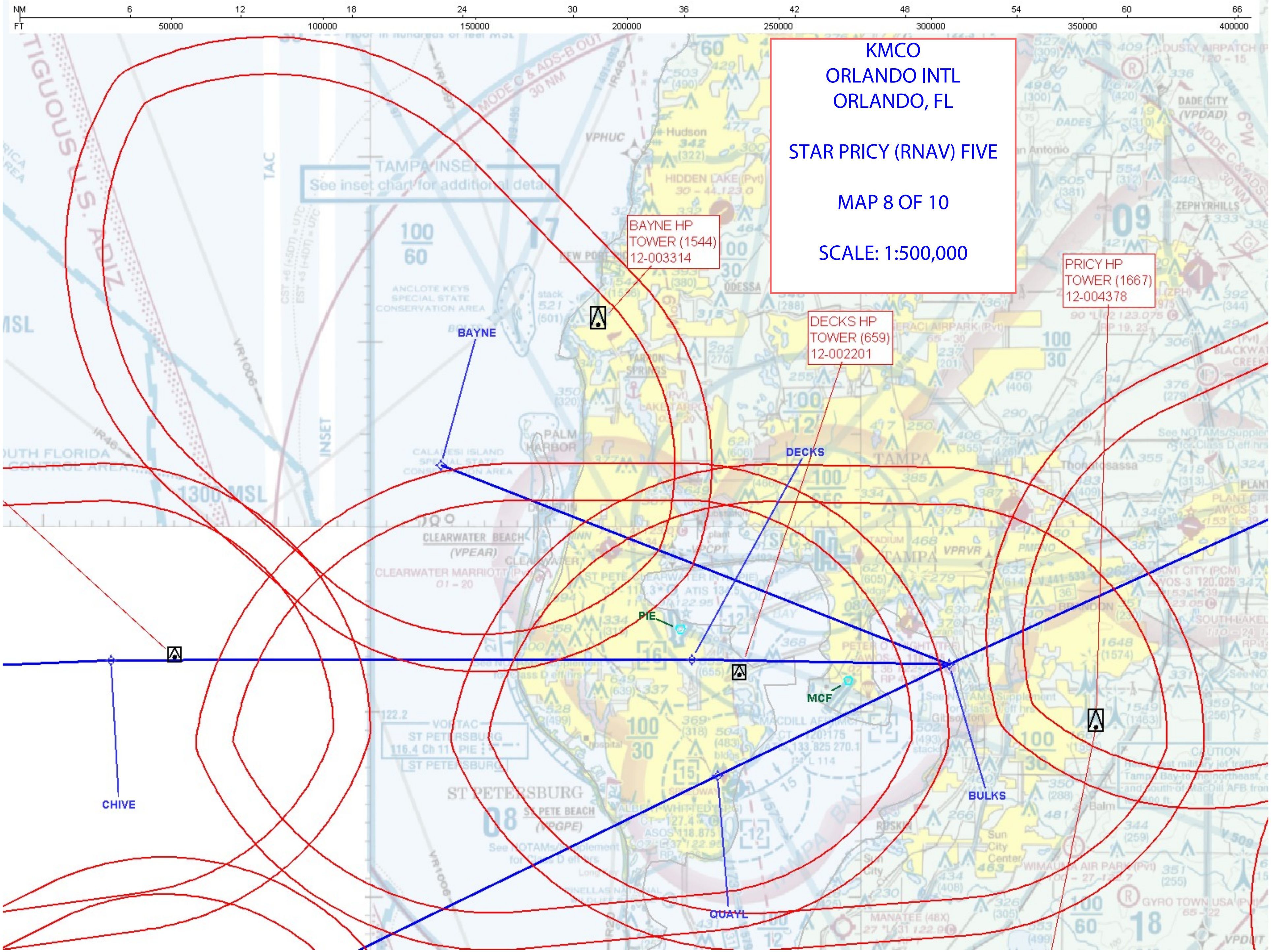
KMCO
ORLANDO INTL
ORLANDO, FL

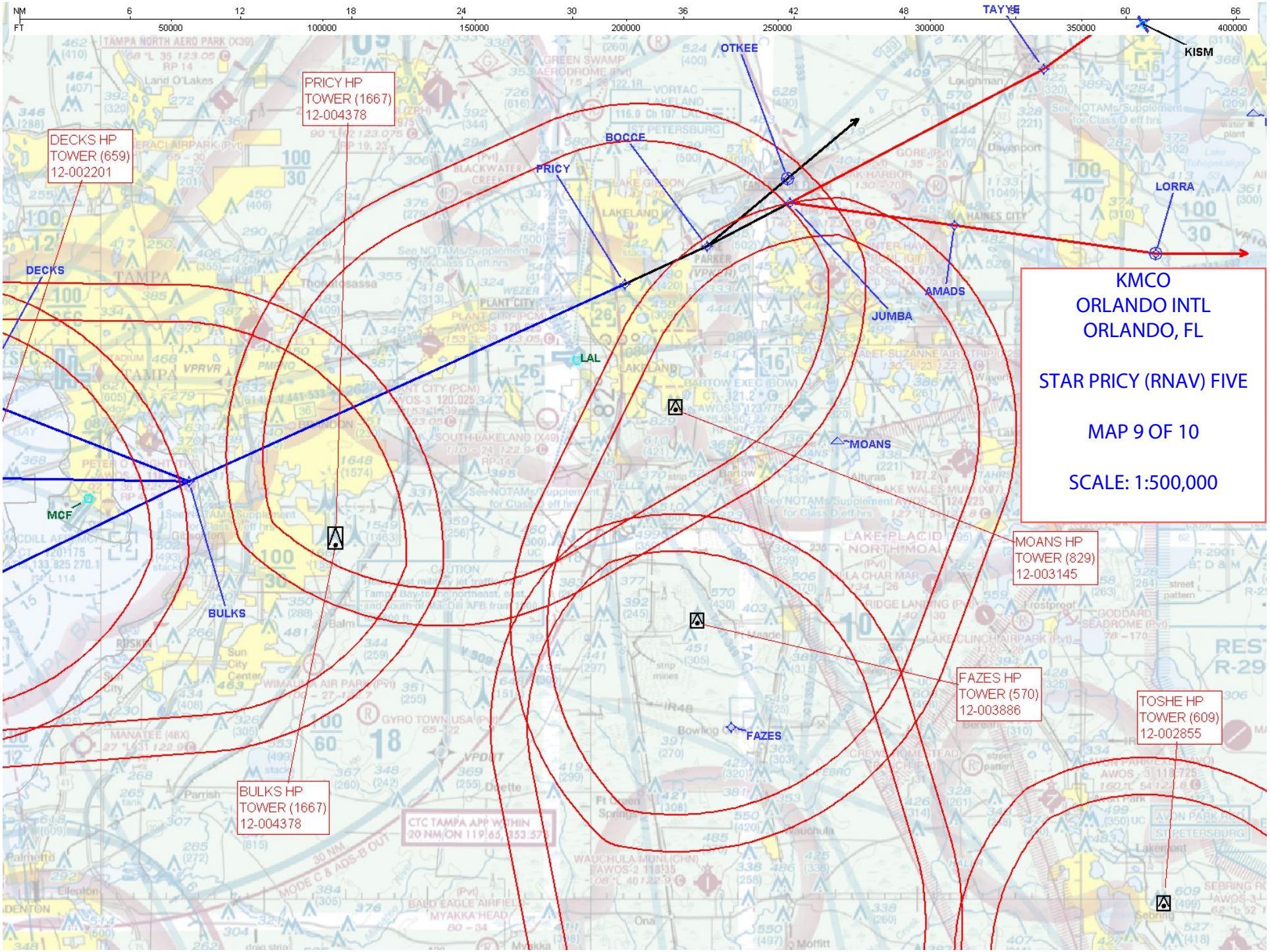
STAR PRICY (RNAV) FIVE

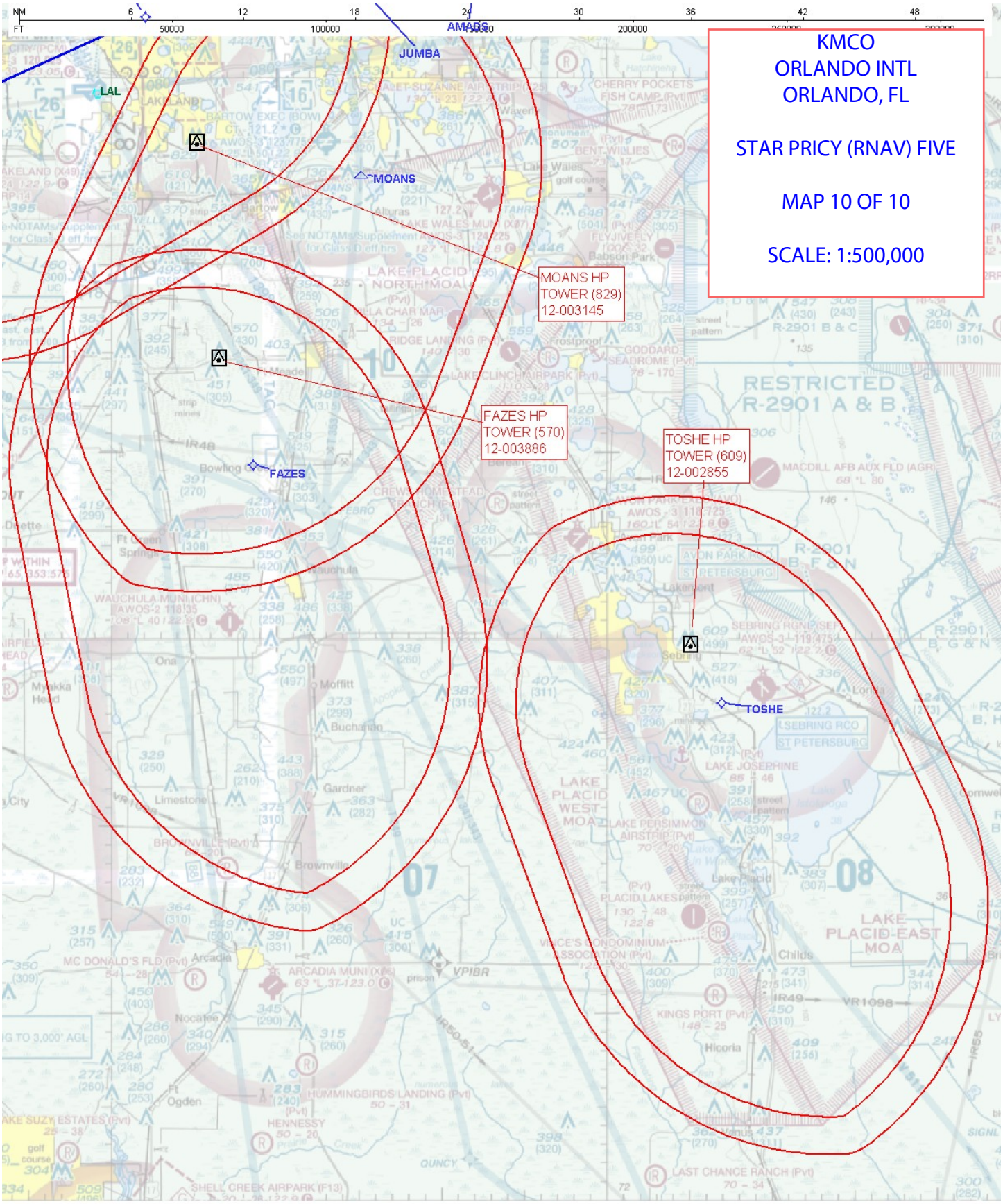
MAP 6 OF 10

SCALE: 1:500,000


NM 6 12 18 24 30 36 42 48 54 60 66
FT 50000 100000 150000 200000 250000 300000 350000 400000
CHIVE
DOZES
DOZES HP
SHIP (295)
PIE
MCF
QUAYL
SRQ
ST PETERSBURG
SARASOTA-BRADENTON
CLASS C
BRADENTON
INSET
KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 7 OF 10
SCALE: 1:500,000


KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 8 OF 10
SCALE: 1:500,000
NM 6 12 18 24 30 36 42 48 54 60 66
FT 50000 100000 150000 200000 250000 300000 350000 400000
BAYNE HP
TOWER (1544)
12-003314
DECKS HP
TOWER (659)
12-002201
PRICY HP
TOWER (1667)
12-004378
BAYNE
DECKS
CHIVE
PIE
MCF
BULKS
QUAYL


NM 6 12 18 24 30 36 42 48 60 66
FT 50000 100000 150000 200000 250000 300000 350000 400000
TAYYS
KISM
OTKEE
PRICY HP
TOWER (1667)
12-004378
DECKS HP
TOWER (659)
12-002201
BOCCE
PRICY
LORRA
DECKS
AMADS
JUMBA
LAL
MOANS
MCF
BULKS
MOANS HP
TOWER (829)
12-003145
FAZES HP
TOWER (570)
12-003886
TOSHE HP
TOWER (609)
12-002855
FAZES
BULKS HP
TOWER (1667)
12-004378
KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 9 OF 10
SCALE: 1:500,000


KMCO
ORLANDO INTL
ORLANDO, FL
STAR PRICY (RNAV) FIVE
MAP 10 OF 10
SCALE: 1:500,000
JUMBA
LAL
MOANS
MOANS HP
TOWER (829)
12-003145
FAZES HP
TOWER (570)
12-003886
FAZES
TOSHE HP
TOWER (609)
12-002855
TOSHE
RESTRICTED
R-2901 A & B
LAKE PLACID
NORTH MOA
LAKE PLACID
WEST MOA
LAKE PLACID-EAST
MOA
VPIBR