Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 08/07/2025	APWS Task ID: 649B16BEF5DF43599AFC9A0BD72055A7	APWS Project ID: 79AF43DF584F47DA8387885173A4D140
Procedure: CENTERPOINT THREE ARRIVAL		Enroute: YES	Specialist: Young, Silvia		Agreement Number:
Airport ID: KSAT			Airport City: SAN ANTONIO		State: TX
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

Procedure Comments:

ACTIVE DATA USED FOR KSAT AIRPORT AND RWYS.

APPROVAL LETTER: 1. LLITE TO RBNSN LEG LENGTH FOR DECELERATION.

CONTACT JOSEPH L. ZEDER 405.954.9111

QUALITY 9 CHECKED

BEGUE

03/11/2025

QUALITY 14 CHECKED

Data as of: 03/04/2025 09:41:05 CST

Federal Aviation Administration

Memorandum

Date:	February 26, 2025
To:	Wayne Eckenrode, Fight Procedures Team Manager
From:	Dave Mullinax, Support Manager, Airspace and Procedures Houston District (TCHU1-ZHU)
Subject:	Letter of Approval Request CENTERPOINT ARRIVAL, KSAT

KSAT CENTERPOINT Standard Terminal Arrival Route (STAR): LLITE TO RBNSN Leg Length for Deceleration.

Currently, criteria evaluate loss of altitude and airspeed wholly contained within a single segment, not through the entirety of the flown procedure. FAAO 8260.3G, PARA 2-2-10 prescribes allowable deceleration distances for STAR development.

The length of the leg from LLITE TO RBNSN is 15 NM. This leg must be at least 20 NM long due to deceleration from 250.0 KIAS to 210 KIAS between 10000.0 ft. MSL to 6000.0 ft MSL. Flight Standards approval is required.

The total distance from LLITE TO RBNSN is 15 NM and the segment requires the aircraft to lose 4000ft of altitude and 40 KTS of airspeed. Using formula 2-2-2 of 8260.3E, computes a minimum deceleration distance of 20NM. Industry indicates that the procedure can be easily managed without increased energy management actions by the flight crew and these altitude restrictions and speed restrictions have been published on this procedure for several years without any reported issues.

Therefore, the Houston District is requesting a Letter of Approval (LOA) to continue to utilize the CENTERPOINT STAR with the segment length of 15NM from the fix LLITE to the fix RBNSN.

Dave Mullinax
Support Manager, Airspace and Procedures
Houston District

NEW

SAN ANTONIO, TEXAS

SAN ANTONIO APP CON
125.1 307.0 (Rwys 13R and 22)
125.7 290.225 (Rwys 4 and 31L)
KRND ATIS★
290.525
KSKF ATIS
120.45 273.5
SAT D-ATIS
118.9
SSF ATIS
128.8

RADAR required.

N

FORT STOCKTON
116.9 FST
Chan 116

JUNCTION
116.0 JCT
Chan 107

STONEWALL
113.8 STV
Chan 85

Ldg SAT Rwys 4, 22, 31L/R

Ldg SKF, SSF and RND

ROCKSPRINGS
114.55 RSG
Chan 92 (Y)

LLITE
10000 250K

RBNSN
6000 210K

SAN ANTONIO
116.8 SAT
Chan 115

Ldg SAT Rwy 13R

CENTER POINT
117.5 CSI
Chan 122

LOCALIZER 110.9
I-ANT
Chan 46

SAN ANTONIO INTL

RANDOLPH AFB

RWY 13R

LOCALIZER 109.7
I-SAT
Chan 34

KELLY FLD

RWY 4

RWY 31L

STINSON MUNI

LOCALIZER 110.9
I-IZR
Chan 46

PROTOTYPE-NOT FOR NAVIGATION

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

FORT STOCKTON TRANSITION (FST.CSI3): From over FST VORTAC via FST R-096 and CSI R-280 to CSI VORTAC. Thence . . . .

JUNCTION TRANSITION (JCT.CSI3): From over JCT VORTAC via JCT R-134 and CSI R-314 to CSI VORTAC. Thence . . . .

LANDING SAT RUNWAY 13R: From CSI VORTAC on CSI R-106 to cross LLITE at 10000 and at 250K, then on CSI R-106 to cross RBNSN at 6000 and 210K. Expect ILS or LOC RWY 13R approach.

LANDING SAT RUNWAYS 4, 22, 31L/R: From CSI VORTAC on CSI R-106 to cross LLITE at 10000, then on heading 130°. Expect RADAR vectors to final approach course.

LANDING SKF/SSF/RND: From CSI VORTAC on CSI R-106 to cross LLITE at 10000, then on heading 130°. Expect RADAR vectors to final approach course.

AL-369 (FAA)

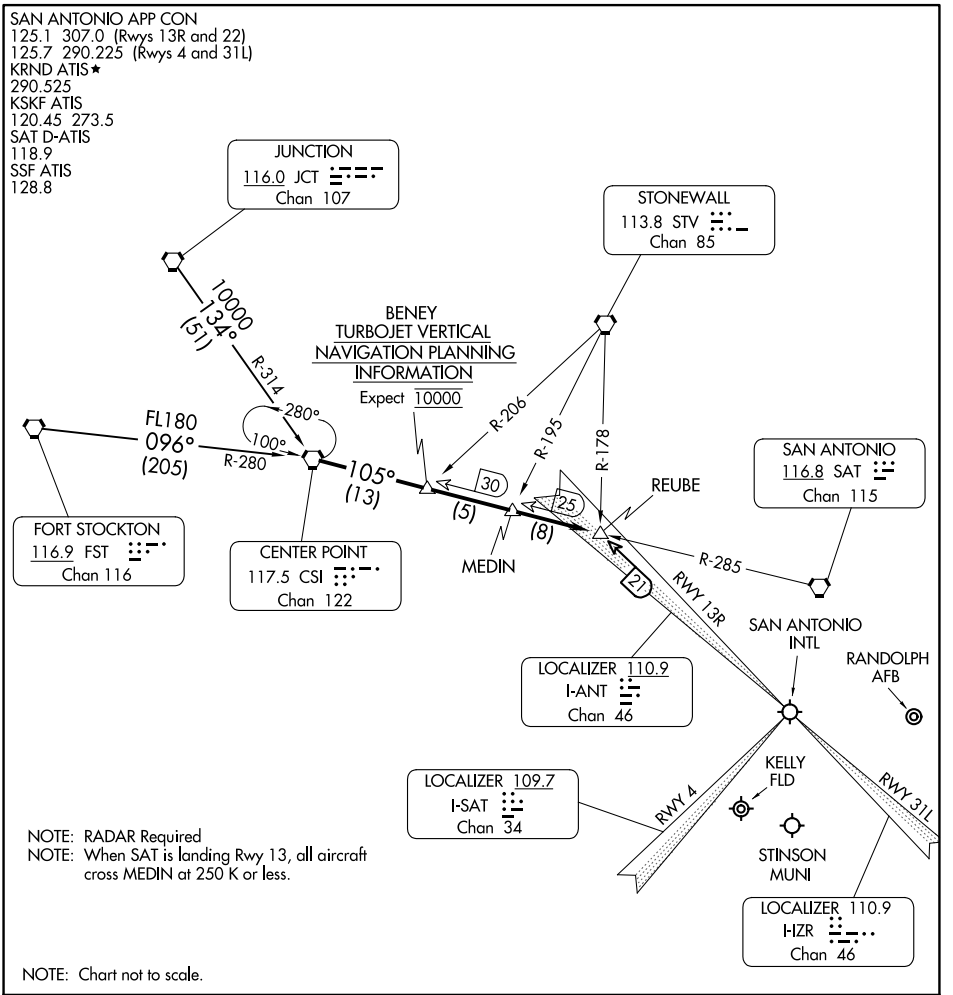
CENTERPOINT THREE ARRIVAL

(CSI.CSI3) FIG

SAN ANTONIO, TEXAS

CENTERPOINT THREE ARRIVAL

(CSI.CSI3) FIG



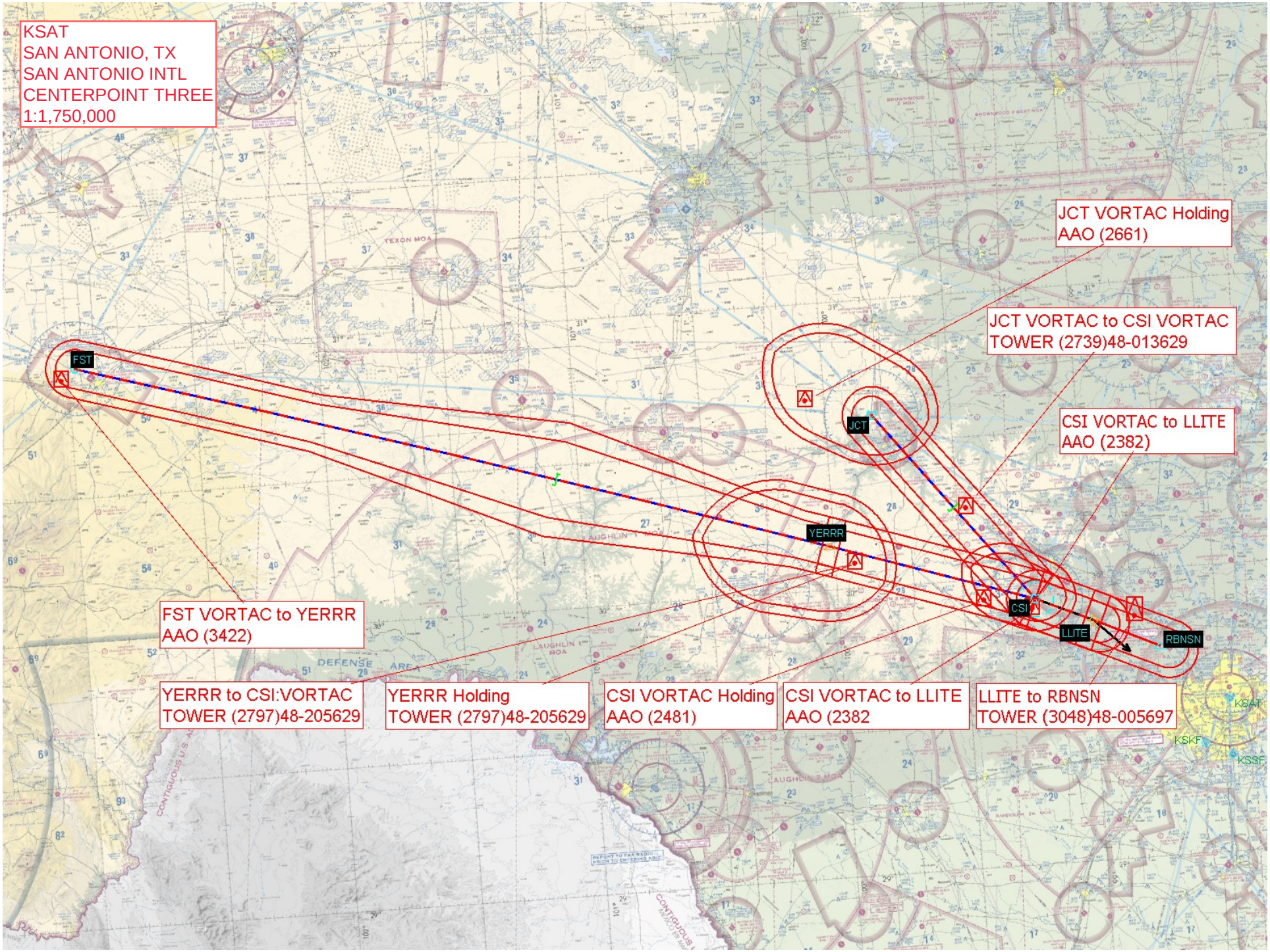
ARRIVAL ROUTE DESCRIPTION

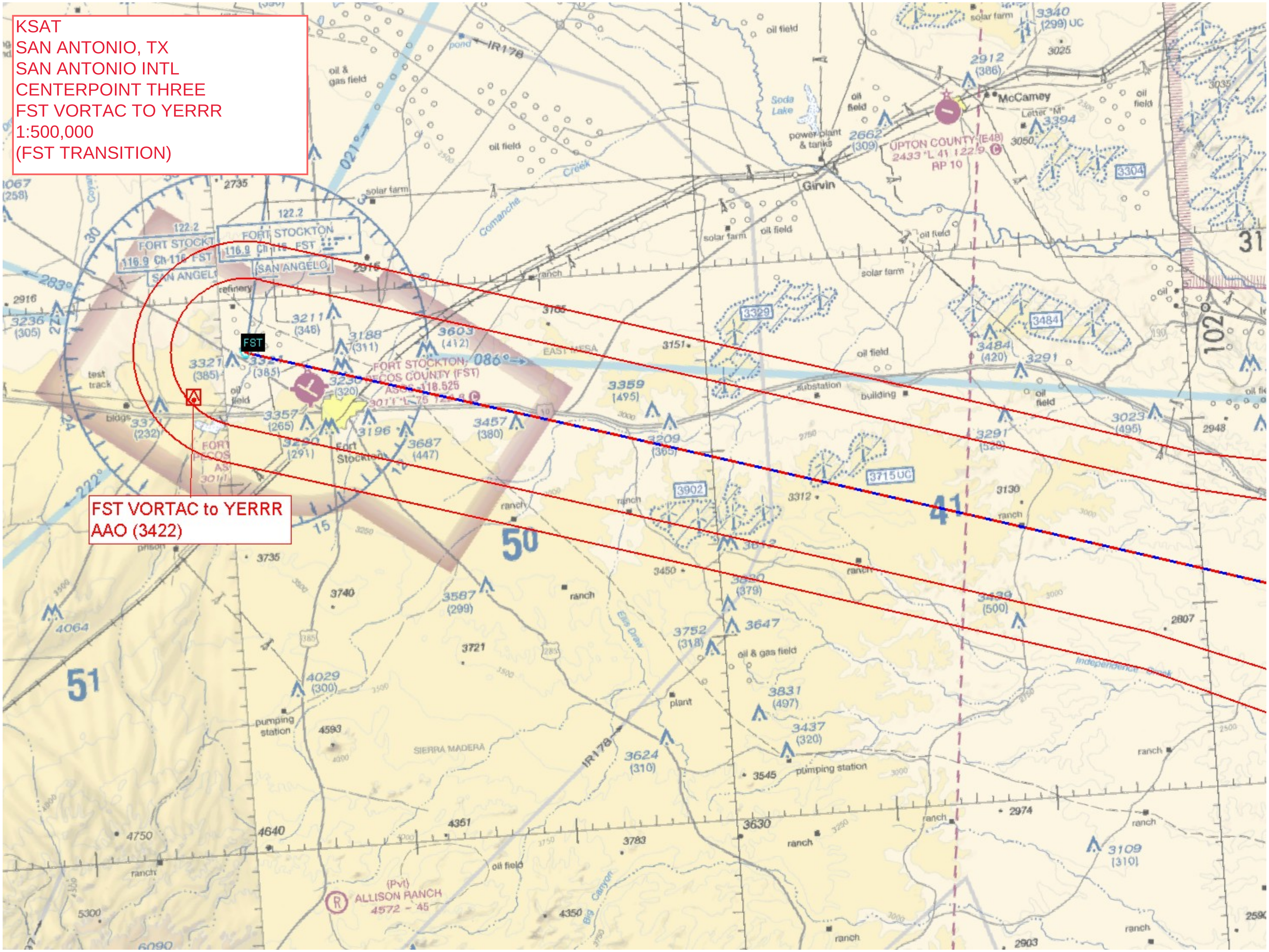
FORT STOCKTON TRANSITION (FST.CSI2): From over FST VORTAC via FST R-096 and CSI R-280 to CSI VORTAC. Thence . . . .

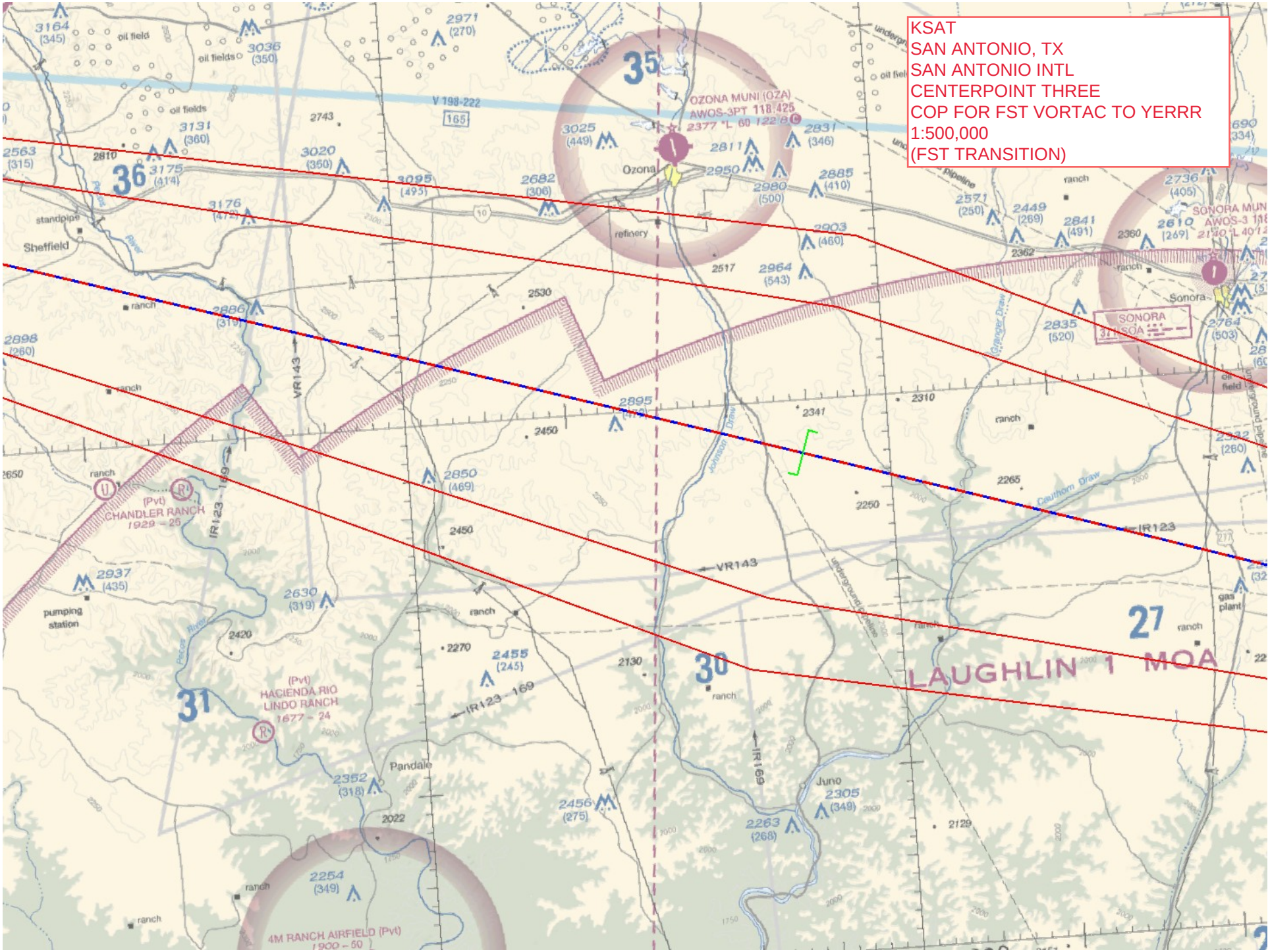
JUNCTION TRANSITION (JCT.CSI2): From over JCT VORTAC via JCT R-134 and CSI R-314 to CSI VORTAC. Thence . . . .

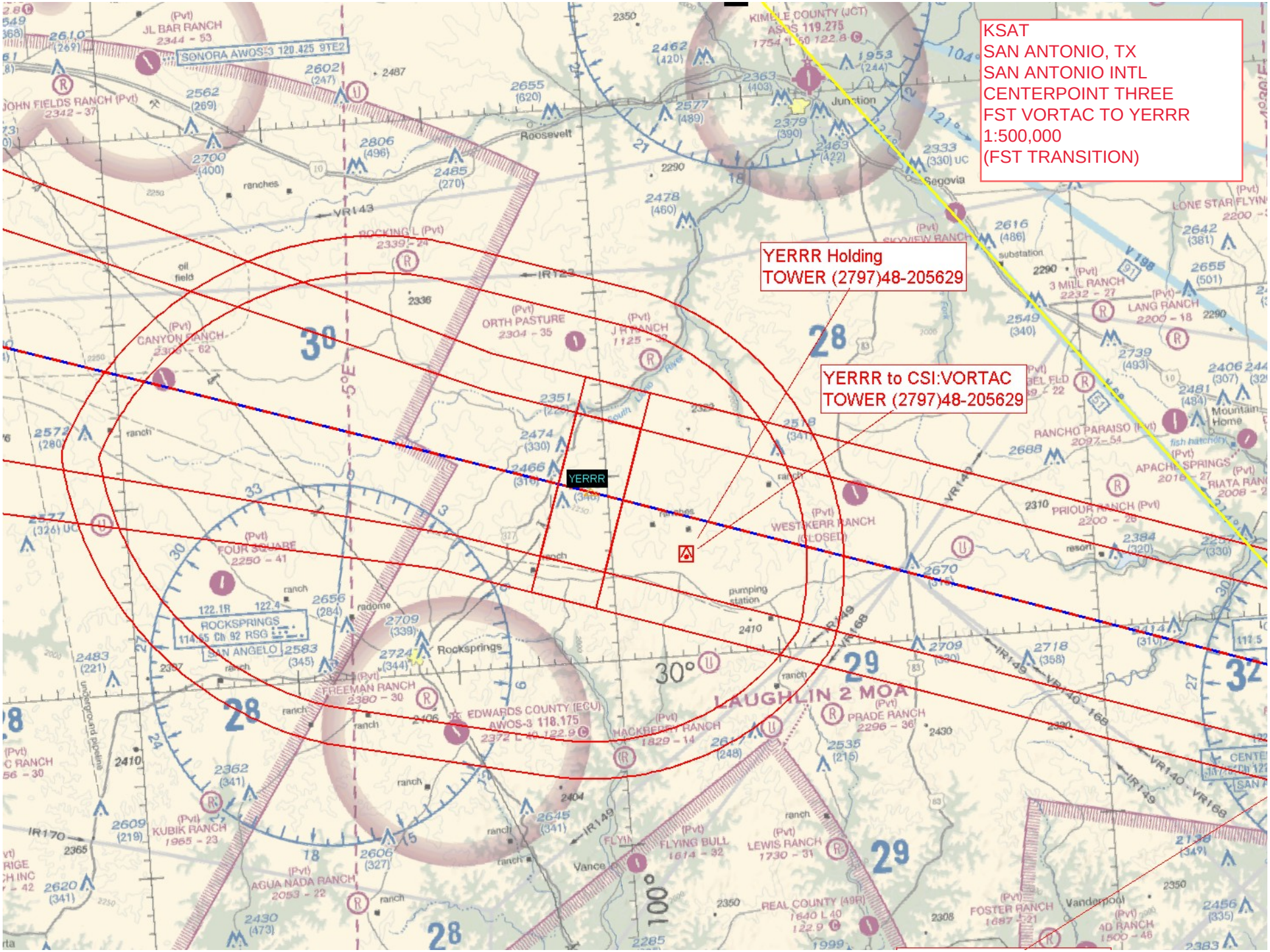
. . . . From over CSI VORTAC on CSI R-105 to REUBE INT. Expect vectors to final approach course.

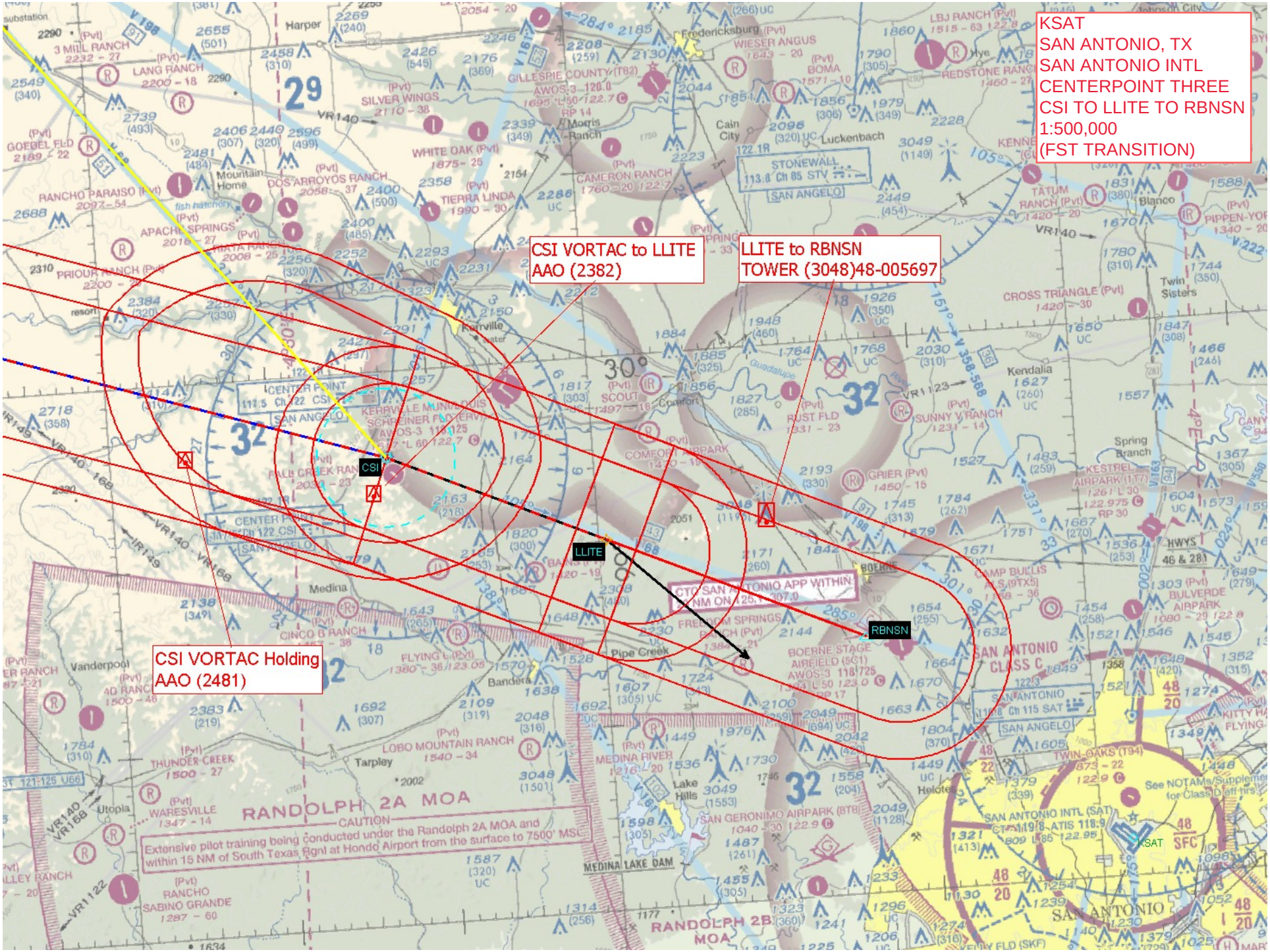
SC-3, 08 AUG 2024 to 05 SEP 2024

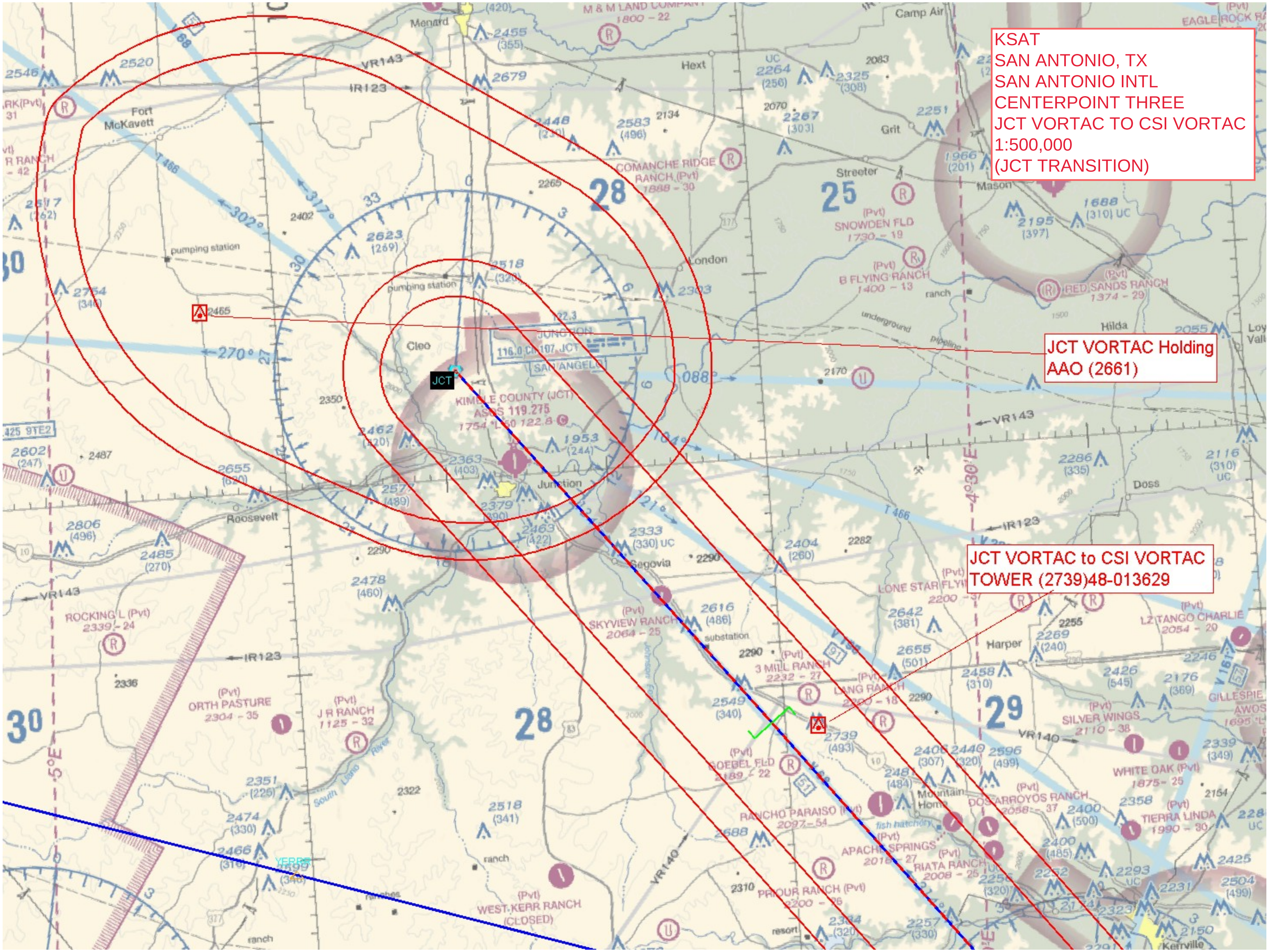

KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
1:1,750,000
JCT VORTAC Holding
AAO (2661)
JCT VORTAC to CSI VORTAC
TOWER (2739)48-013629
CSI VORTAC to LLITE
AAO (2382)
FST
JCT
YERRR
CSI
LLITE
RBNSN
FST VORTAC to YERRR
AAO (3422)
YERRR to CSI:VORTAC
TOWER (2797)48-205629
YERRR Holding
TOWER (2797)48-205629
CSI VORTAC Holding
AAO (2481)
CSI VORTAC to LLITE
AAO (2382
LLITE to RBNSN
TOWER (3048)48-005697
KSAT
KSKF
KSSF

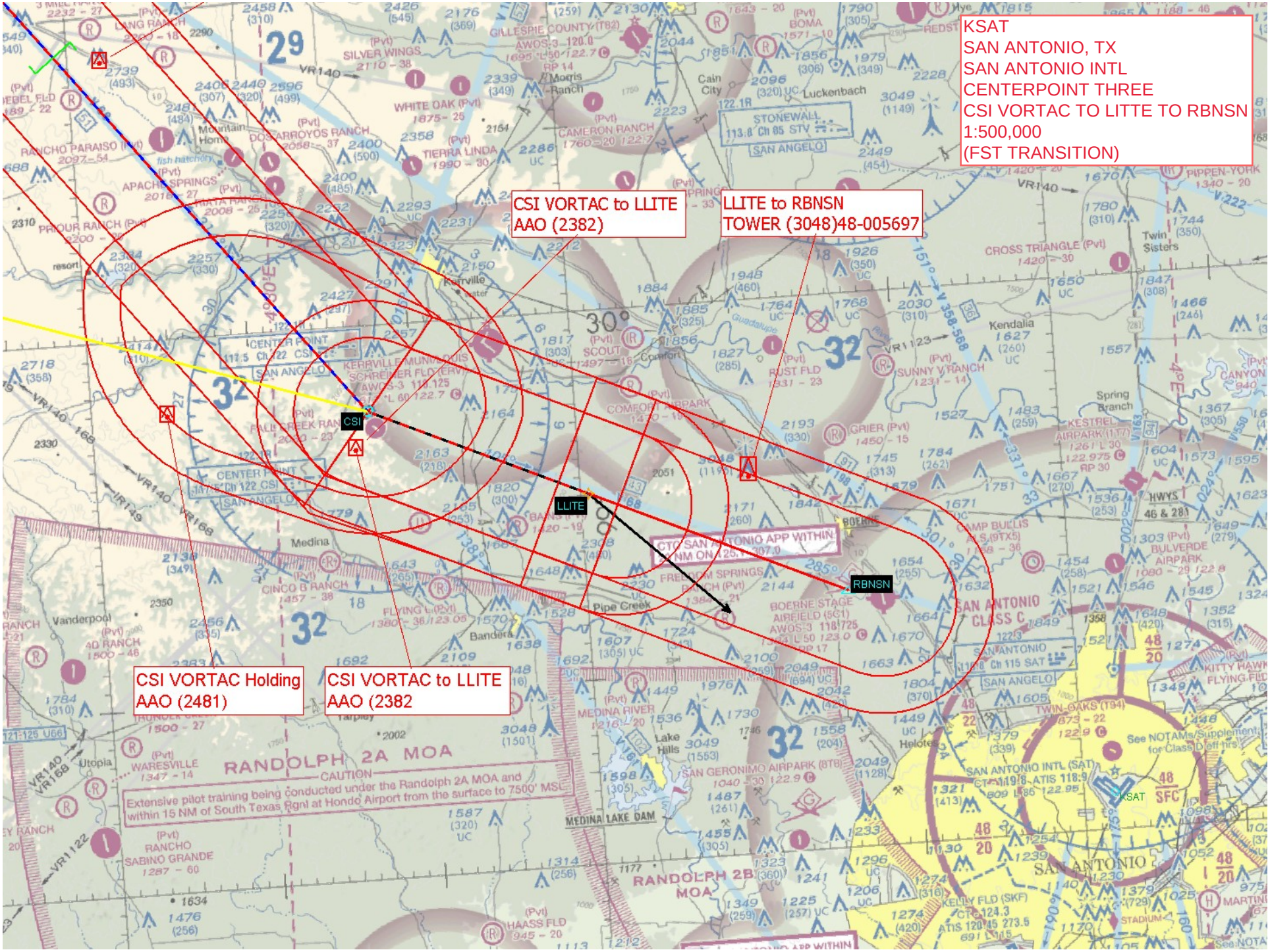

KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
FST VORTAC TO YERRR
1:500,000
(FST TRANSITION)
FST
FST VORTAC to YERRR
AAO (3422)


KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
COP FOR FST VORTAC TO YERRR
1:500,000
(FST TRANSITION)
OZONA MUNI (OZA)
AWOS-3PT 118.425
SONORA MUN
AWOS-3
SONORA
MOA
LAUGHLIN 1 MOA
(Pvt)
CHANDLER RANCH
1929 – 25
(Pvt)
HACIENDA RIO
LINDO RANCH
1677 – 24
4M RANCH AIRFIELD (Pvt)
Ozona
Sonora
Sheffield
Pandale
Juno
V 198-222
VR143
IR123 - 169
IR123
IR169


KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
FST VORTAC TO YERRR
1:500,000
(FST TRANSITION)
YERRR Holding
TOWER (2797)48-205629
YERRR to CSI:VORTAC
TOWER (2797)48-205629
YERRR
LAUGHLIN 2 MOA
ROCKSPRINGS
EDWARDS COUNTY (ECU)
Rocksprings
Junction
Segovia
Roosevelt
Mountain Home
Vanderpool


KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
CSI TO LLITE TO RBNSN
1:500,000
(FST TRANSITION)
CSI VORTAC to LLITE
AAO (2382)
LLITE to RBNSN
TOWER (3048)48-005697
CSI VORTAC Holding
AAO (2481)
CSI
LLITE
RBNSN
RANDOLPH 2A MOA
CAUTION
Extensive pilot training being conducted under the Randolph 2A MOA and within 15 NM of South Texas Rgnl at Hondo Airport from the surface to 7500' MSL
RANDOLPH 2B MOA
MEDINA LAKE DAM
SAN ANTONIO CLASS C
KSAT


KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
JCT VORTAC TO CSI VORTAC
1:500,000
(JCT TRANSITION)
JCT VORTAC Holding
AAO (2661)
JCT VORTAC to CSI VORTAC
TOWER (2739)48-013629
JCT


KSAT
SAN ANTONIO, TX
SAN ANTONIO INTL
CENTERPOINT THREE
CSI VORTAC TO LITTE TO RBNSN
1:500,000
(FST TRANSITION)
CSI VORTAC to LLITE
AAO (2382)
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RANDOLPH 2B MOA
MEDINA LAKE DAM
SAN ANTONIO CLASS C
SAN ANTONIO INTL (SAT)
KSAT
KELLY FLD (SKF)
See NOTAMs/Supplement for Class D eff hrs
Medina
Bandera
Pipe Creek
Vanderpool
Utopia
Kerrville
Comfort
Boerne
Kendalia
Spring Branch
Twin Sisters
Luckenbach
Cain City
Morris Ranch
Lake Hills
Helotes