Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 07/11/2011	Task #: 201107112765080100 1	Request #: 20110711276508
Procedure: STAR OSVEE (RNAV) ONE FAIRFIELD CA KSUU		Airport ID: KSUU	Airport: TRAVIS AFB		Reimbursable #:
City: FAIRFIELD	ST: CA	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: Proc TR	Specialist: SCOTT CORY			

P2

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/30/2012	09/04/2012	JILL OLSON	
QA:	09/04/2012	09/05/2012	SCOTT BEARD	
Liaison:	09/05/2012		Spurlin	

ESV REQUEST INCLUDED

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 1 of 4

FAIRFIELD, CA (SUU) TRAVIS AFB OSVEE (RNAV) ONE (STAR) ENROUTE-YES FC: 9.18.12 PUB: 11.15.12

FORMS: EVS(S): (SFO) DME, CA (1); 7100-4; 7100-3; 8260-2(S): HANAI, OP-ORIG; JESTE, OP-ORIG; LIBBO, OP-REV 1; MOLEN, CA-REV 8; OCOVA, CA-ORIG; OSVEE, CA-REV 1; PUBOC, OP-ORIG; ROVUE, OP-ORIG; SEATO, CA-REV 8; TAPOC, OP-ORIG; ZONSO, OP-ORIG.

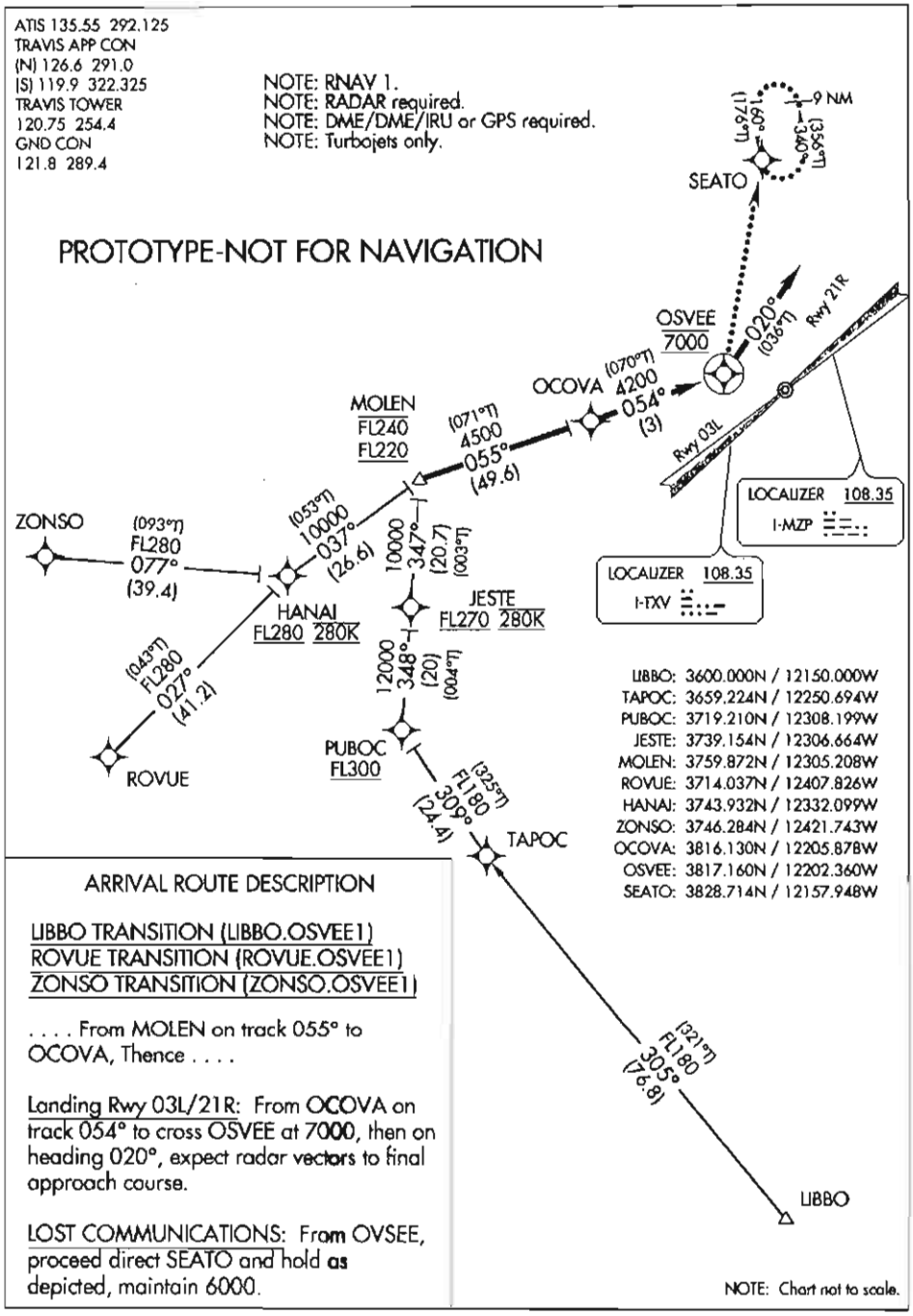
CONTACT: ADOLFO URRUTIA/LONNIE EVERHART-AVN-130 LEADS, 405.954.2079/405.954.4576.

(OSVEE.OSVEE1) FIG

OSVEE ONE ARRIVAL (RNAV)

ST-488 (FAA)

TRAVIS AFB (SUU)
FAIRFIELD, CALIFORNIA



ARRIVAL ROUTE DESCRIPTION

LIBBO TRANSITION (LIBBO.OSVEE1)
ROVUE TRANSITION (ROVUE.OSVEE1)
ZONSO TRANSITION (ZONSO.OSVEE1)

. . . . From MOLEN on track 055° to OCOVA, Thence . . . .

Landing Rwy 03L/21R: From OCOVA on track 054° to cross OSVEE at 7000, then on heading 020°, expect radar vectors to final approach course.

LOST COMMUNICATIONS: From OVSEE, proceed direct SEATO and hold as depicted, maintain 6000.

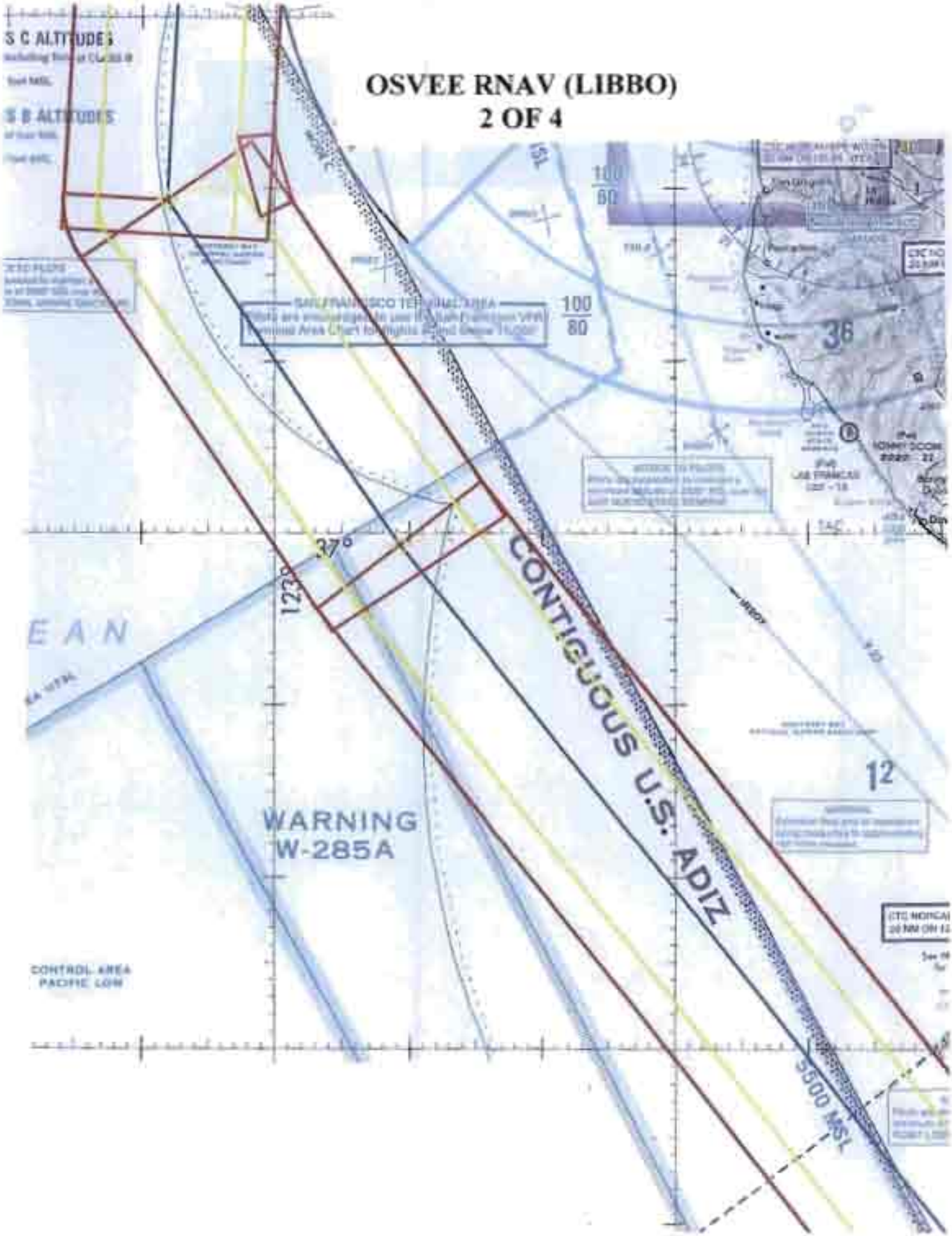
NOTE: Chart not to scale.

OSVEE ONE ARRIVAL (RNAV)
(OSVEE.OSVEE1) FIG

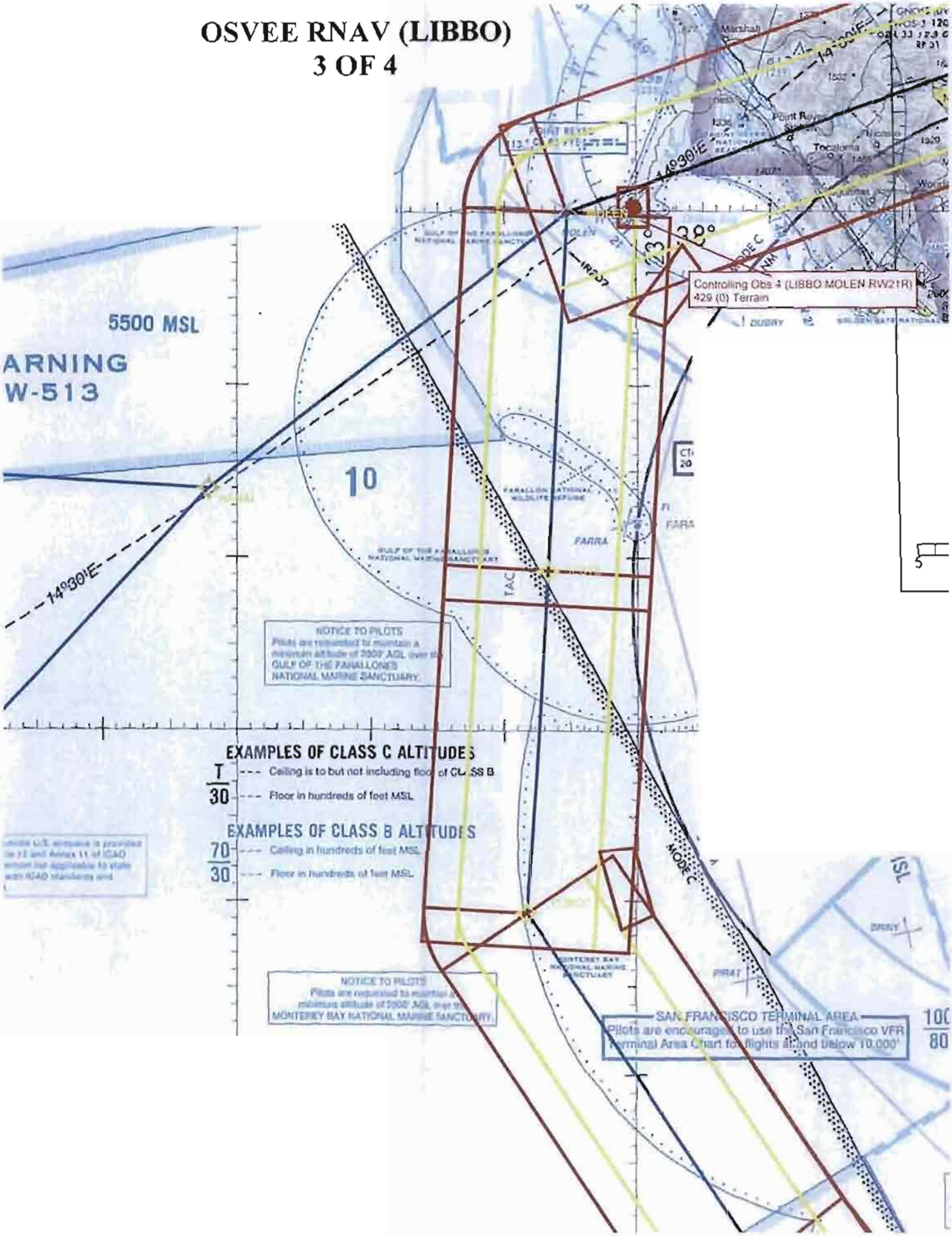
FAIRFIELD, CALIFORNIA
TRAVIS AFB (SUU)

OSVEE RNAV (LIBBO)
1 OF 4

OSVEE RNAV (LIBBO)
2 OF 4



OSVEE RNAV (LIBBO)
3 OF 4



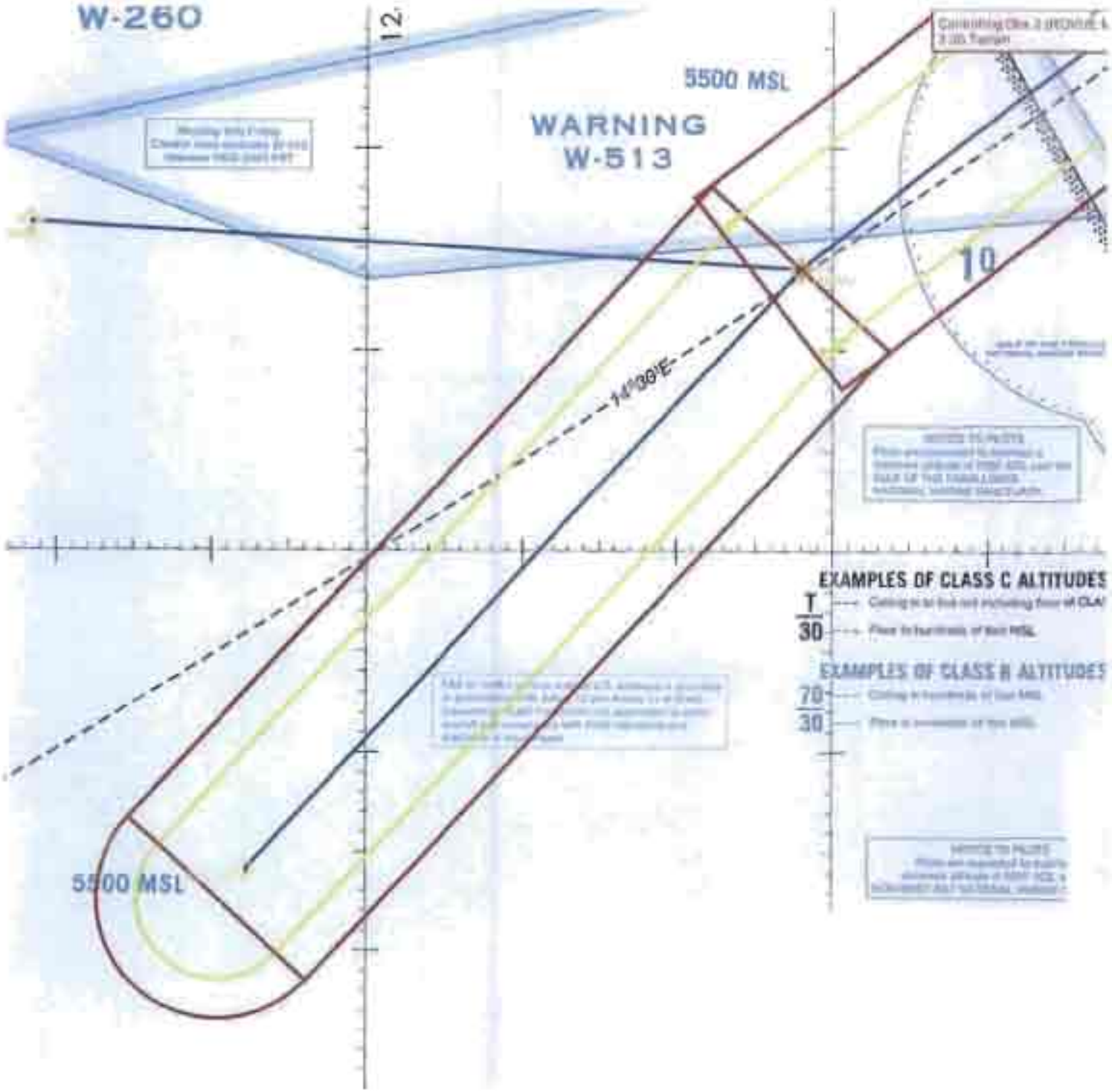
OSVEE RNAV (LIBBO)
4 OF 4

MCC ANTENNA SITE

LATITUDE 38°40'26.65" LONGITUDE 121°21'55.83" MAG VAR 15°E

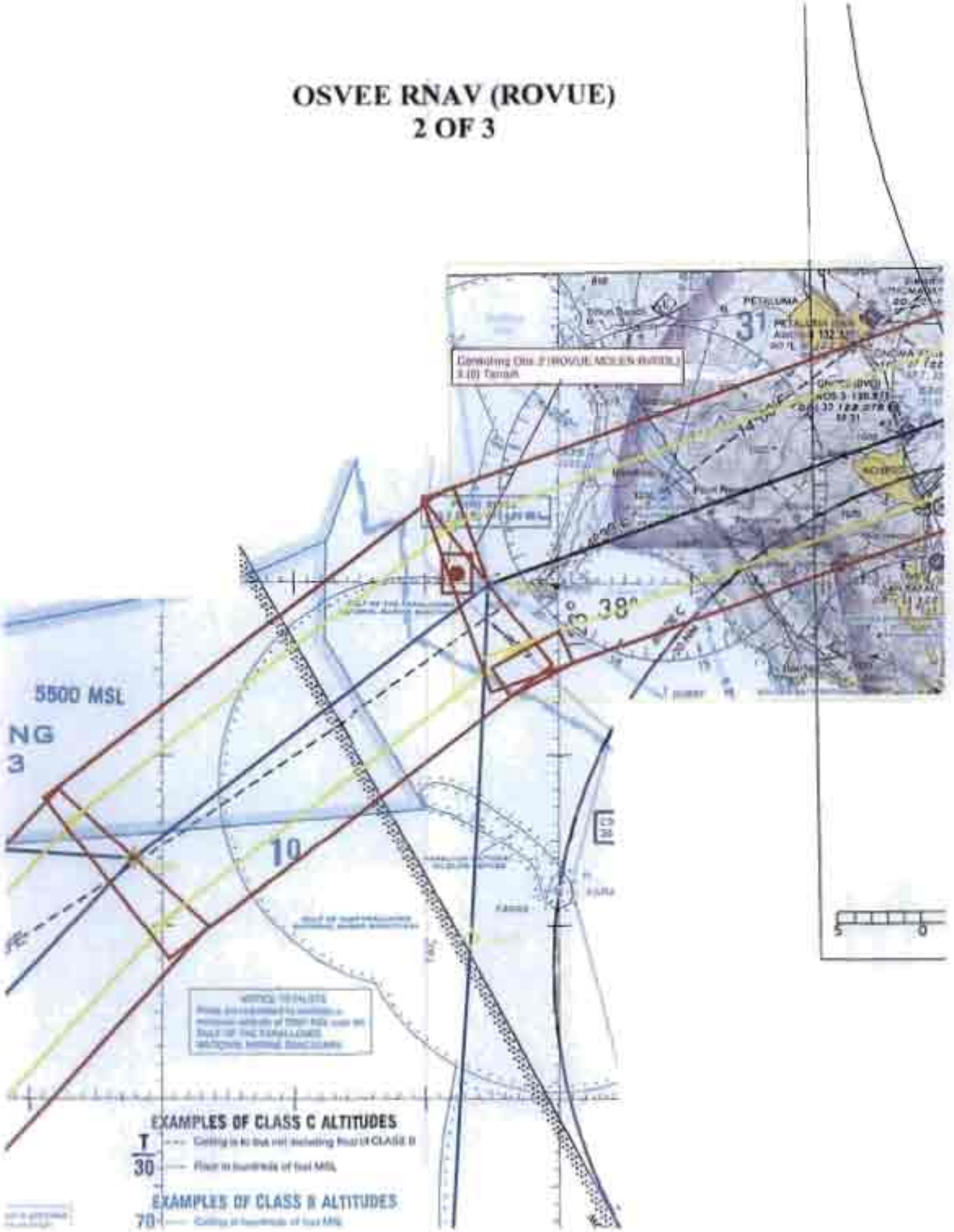
NAUTICAL MILES

0 5 10 15 20 25 30 35

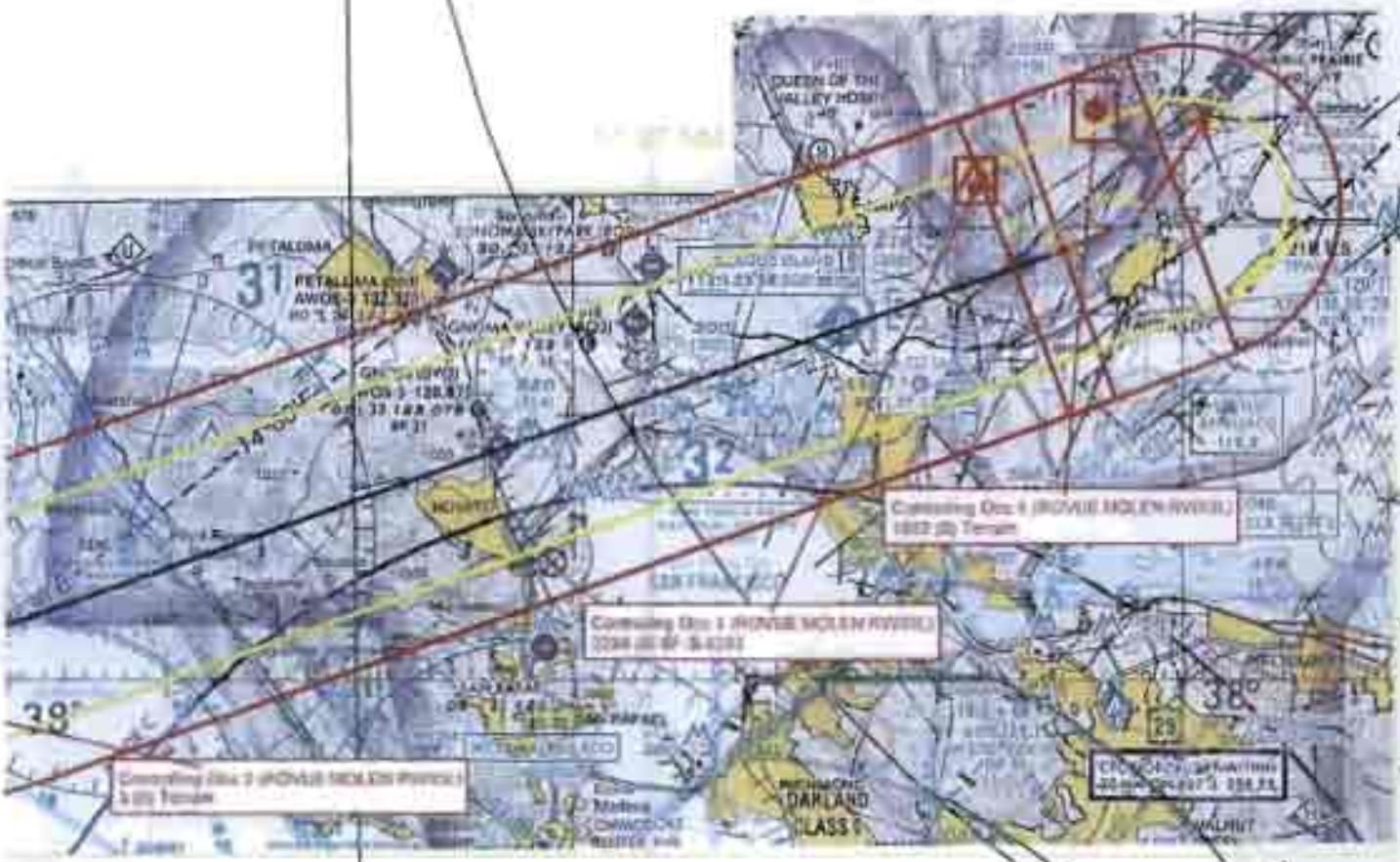


OSVEE RNAV (ROVUE)
1 OF 3

OSVEE RNAV (ROVUE)
2 OF 3



OSVEE RNAV (ROVUE)
3 OF 3



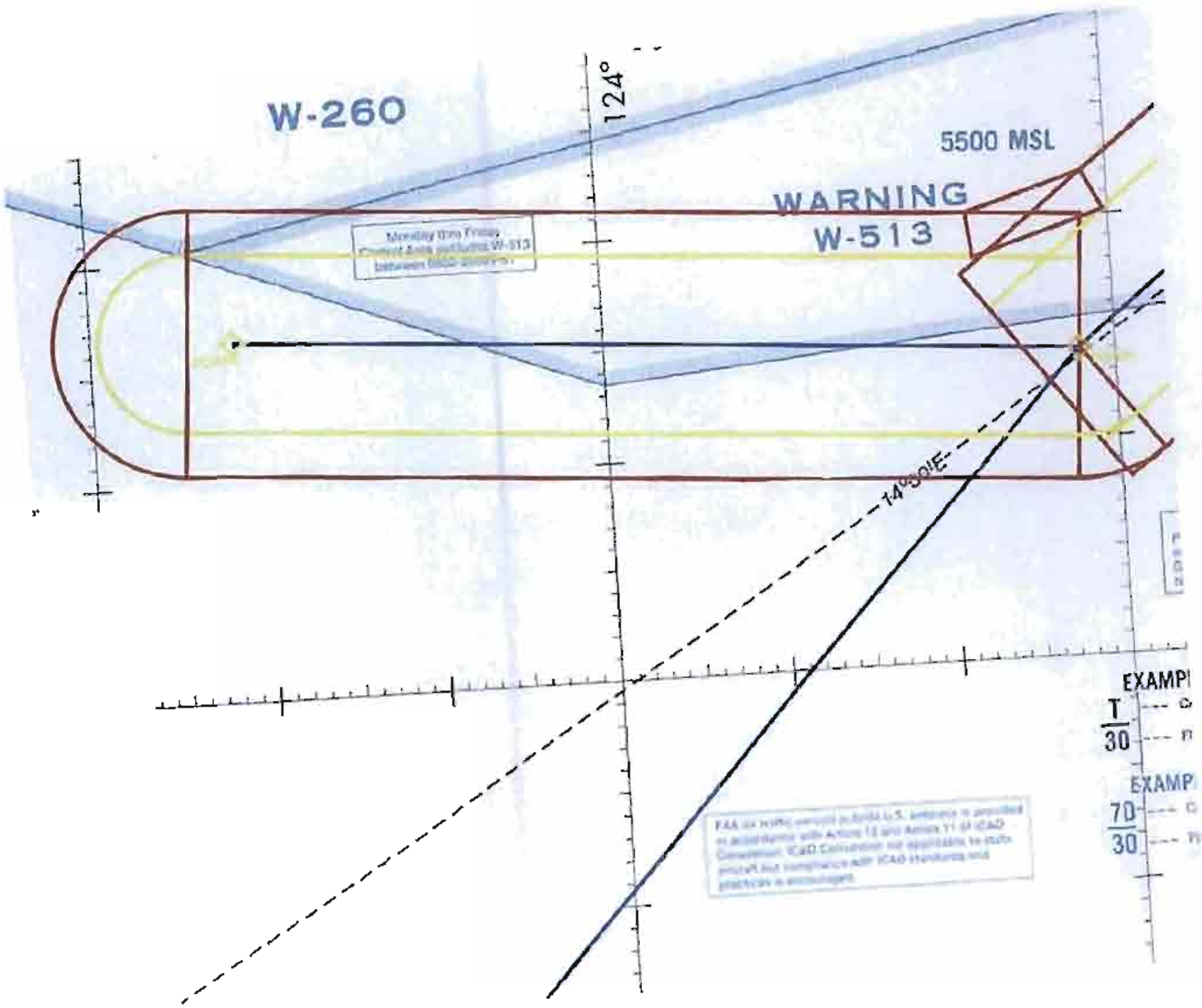
MCC ANTENNA SITE

LATITUDE	LONGITUDE	MAG VAR
38°40'26.65"	121°21'56.83"	15°E

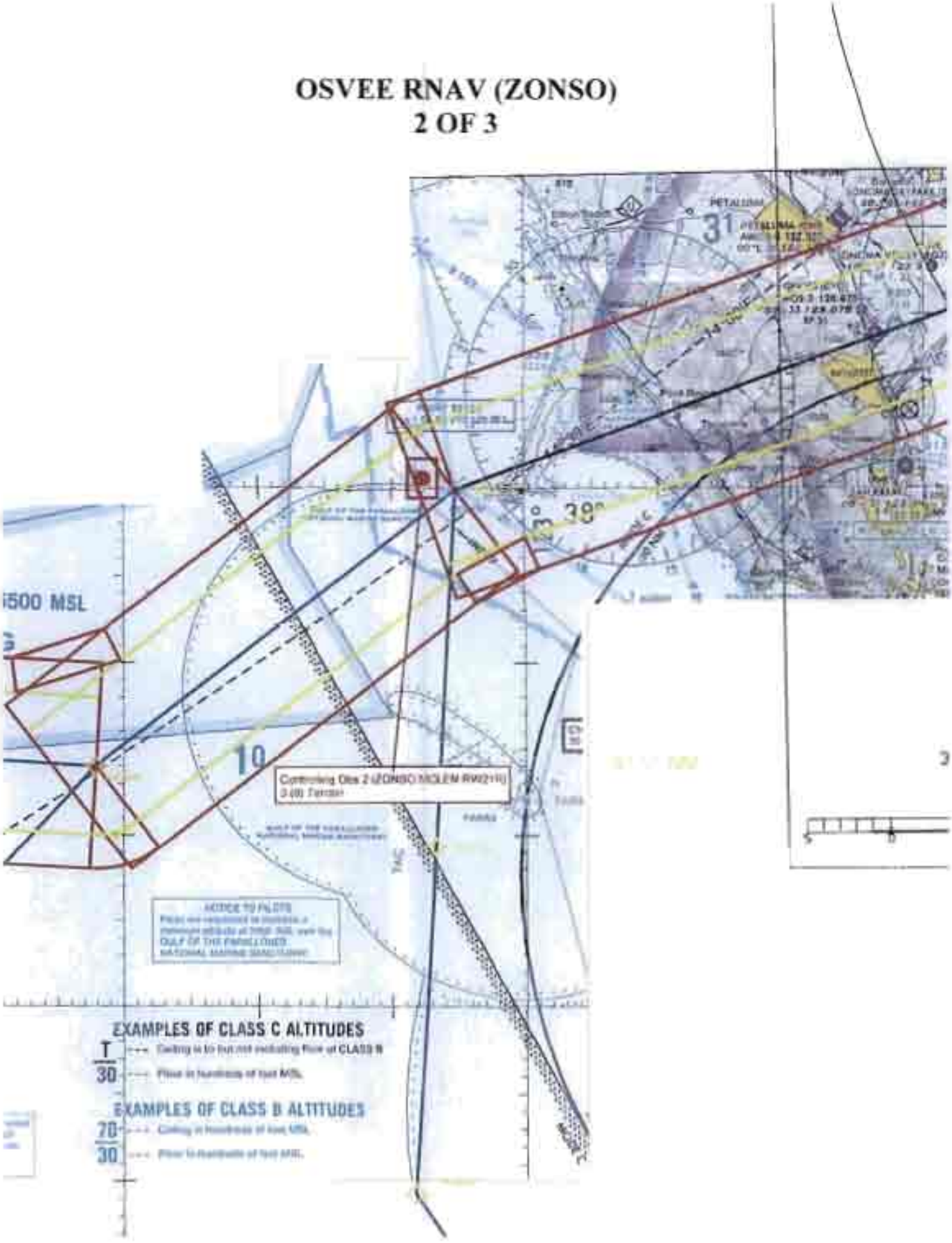
NAUTICAL MILES

5 0 5 10 15 20 25 30 35

OSVEE RNAV (ZONSO)
1 OF 3



OSVEE RNAV (ZONSO)
2 OF 3



OSVEE RNAV (ZONSO)
3 OF 3

MCC ANTENNA SITE

LATITUDE	LONGITUDE	MAG VAR
38°40'26.65"	121°21'55.83"	15°E

NAUTICAL MILES

5 0 5 10 15 20 25 30 35

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
LIBBO	LIBBO.OSVEE1	LIBBO	TAPOC	304.69/76.76	18000			AT/ABOVE FL300
		TAPOC	PUBOC	309.06/24.38	18000			AT/ABOVE FL270
		PUBOC	JESTE	347.50/19.96	12000			AT/BELOW FL240, AT/ABOVE FL220
		JESTE	MOLEN	347.18/20.73	10000			
ROVUE	ROVUE.OSVEE1	ROVUE	HANAI	027.42/41.23	28000			AT/ABOVE FL280
		HANAI	MOLEN	037.08/26.59	10000			AT/BELOW FL240, AT/ABOVE FL220
ZONSO	ZONSO.OSVEE1	ZONSO	HANAI	077.16/39.44	28000			AT/ABOVE FL280
		HANAI	MOLEN	037.08/26.59	10000			AT/BELOW FL240, AT/ABOVE FL220

(2) Arrival Route Description: ...FROM MOLEN ON TRACK 054.56/49.55 TO OCOVA (MEA 4500), THENCE...

...LANDING RUNWAY 03L: FROM OCOVA ON TRACK 053.61/2.95 TO CROSS OSVEE AT 7000 (MEA 4200), THEN ON HEADING 020.00, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

...LANDING RUNWAY 21R: FROM OCOVA ON TRACK 053.61/2.95 TO CROSS OSVEE AT 7000 (MEA 4200), THEN ON HEADING 020.00, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

(3) Procedural Data Notes: CHART JESTE AT 280 KTS. CHART HANAI AT 280 KTS.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

(4) Fixes and/or Holding Patterns: CHART I-TXV AND I-MZP LOCALIZERS. CHART HOLDING AT SEATO: HOLD N, LT, 160.00 INBOUND, 9 NM LEGS.

(5) Communications: ATIS, APP CON, TWR, GND CON

QUALITY 4 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
OSVEE RNAV	**ONE**	**OSVEE.OSVEE1**	**NONE**		

FAA Form 7100-4 (7/02)

(12) Airports Served

Airport Name TRAVIS AFB	**City/State** FAIRFIELD, CA
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**

(13) Lost Communications Procedure:

FROM OSVEE, PROCEED DIRECT SEATO. EXECUTE ILS OR LOC RWY 21R OR TACAN RWY 31 APPROACH. IF UNABLE, HOLD AT SEATO AS DEPICTED, MAINTAIN 6000.

(14) Remarks:

(15) Additional Flight Data:

REFERENCE MAG VAR: KSUU 16E/1985.

DME/DME ASSESSMENT: SAT (RNP 2.0).

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

(16) Continuation:

(17) Changes:

(18) Reasons for Changes:

09/24/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/02/2012.

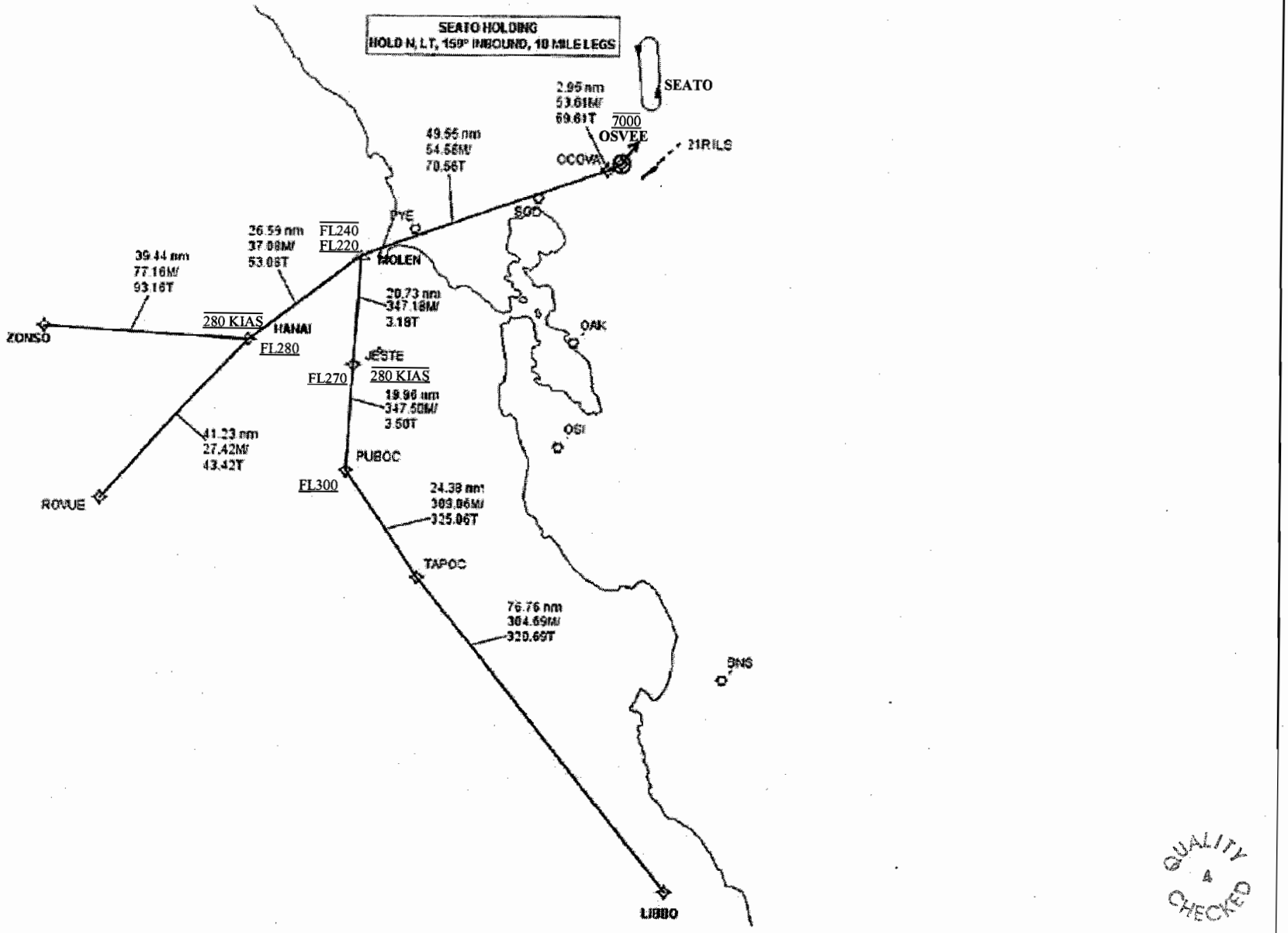
1. **REMOVED NOTE: TURBOJETS ONLY**
2. **UPDATED LOST COMMUNICATIONS PROCEDURE FROM "FROM OSVEE, PROCEED DIRECT SEATO AND HOLD AS DEPICTED, MAINTAIN 6000" TO "FROM OSVEE, PROCEED DIRECT SEATO. EXECUTE ILS OR LOC RWY 21R OR TACAN RWY 31 APPROACH. IF UNABLE, HOLD AT SEATO AS DEPICTED, MAINTAIN 6000."**

QUALITY CHECKED

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	**JOHN F. FISHER, SM, ZOA ARTCC**		
Approved	**NFPG**	**DEZ SILAGYI, MANAGER, AJV-354**	
	Reg. ATD	**JOHN WARNER, MANAGER, WSC OSG**	

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
OSVEE RNAV	**ONE**	**OSVEE.OSVEE1**	**NONE**		

(19) Graphic Depiction:



QUALITY CHECKED 4

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
LIBBO	360000.00N / 1215000.00W	Y		IF					LIBBO.OSVEE1
TAPOC	365913.41N / 1225041.62W	Y	FB	TF	320.69	76.76			
PUBOC	371912.60N / 1230811.93W	Y	FB	TF	325.06	24.38	AT/ABOVE FL300		
JESTE	373909.22N / 1230639.85W	Y	FB	TF	003.50	19.96	AT/ABOVE FL270	AT 280K	
MOLEN	375952.34N / 1230512.47W	Y	FB	TF	003.18	20.73	AT/ABOVE FL220, AT/BELOW FL240		
En Route Transition									
ROVUE	371402.24N / 1240749.55W	Y		IF					ROVUE.OSVEE1
HANAI	374355.92N / 1233205.91W	Y	FB	TF	043.42	41.23	AT/ABOVE FL280	AT 280K	
MOLEN	375952.34N / 1230512.47W	Y	FB	TF	053.08	26.59	AT/ABOVE FL220, AT/BELOW FL240		
En Route Transition									
ZONSO	374617.05N / 1242144.57W	Y		IF					ZONSO.OSVEE1
HANAI	374355.92N / 1233205.91W	Y	FB	TF	093.16	39.44	AT/ABOVE FL280	AT 280K	
MOLEN	375952.34N / 1230512.47W	Y	FB	TF	053.08	26.59	AT/ABOVE FL220, AT/BELOW FL240		

QUALITY 3 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
Common Route									
MOLEN	375952.34N / 1230512.47W	Y		IF			AT/ABOVE FL220, AT/BELOW FL240		MOLEN.OSVEE1
OCOVA	381607.81N / 1220552.67W	Y	FB	TF	070.56	49.55			
Runway Transition									
OCOVA	381607.81N / 1220552.67W	Y		IF					
OSVEE	381709.59N / 1220221.61W	Y	FO	TF	069.61	02.95	AT 7000		
RW03L				VM	036.00	05.00			
Runway Transition									
OCOVA	381607.81N / 1220552.67W	Y		IF					
OSVEE	381709.59N / 1220221.61W	Y	FO	TF	069.61	02.95	AT 7000		
RW21R				VM	036.00	05.00			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAEAENRT   HANAI K20    W     N37435592W123320591                E0142     NAR          HANAI
         SUSAEAENRT   JESTE K20    W     N37390922W123063985                E0141     NAR          JESTE
         SUSAEAENRT   LIBBO K20    W   B N36000000W121500000                E0135     NAR          LIBBO
         SUSAEAENRT   MOLEN K20    C   L N37595234W123051247                E0142     NAR          MOLEN
         SUSAEAENRT   OCOVA K20    W     N38160781W122055267                E0141     NAR          OCOVA
         SUSAEAENRT   OSVEE K20    W     N38170959W122022161                E0141     NAR          OSVEE
         SUSAEAENRT   PUBOC K20    W     N37191260W123081193                E0140     NAR          PUBOC
         SUSAEAENRT   ROVUE K20    W   H N37140224W124074955                E0142     NAR          ROVUE
         SUSAEAENRT   TAPOC K20    W     N36591341W122504162                E0139     NAR          TAPOC
         SUSAEAENRT   ZONSO K20    W   H N37461705W124214457                E0143     NAR          ZONSO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSUUK2ASUU     0     110YHN38154560W121553900E016000062         1800018000M    MNAR    TRAVIS AFB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------
         SUSAP KSUUK2EOSVEE14LIBBO 010LIBBOK2EA0E      IF                                          18000
         SUSAP KSUUK2EOSVEE14LIBBO 020TAPOCK2EA0E    010TF                30470768
         SUSAP KSUUK2EOSVEE14LIBBO 030PUBOCK2EA0E    010TF                30910244    + FL300
         SUSAP KSUUK2EOSVEE14LIBBO 040JESTEK2EA0E    010TF                34750200    + FL270          280
         SUSAP KSUUK2EOSVEE14LIBBO 050MOLENK2EA0EE   010TF                34720207    B FL240FL220
         SUSAP KSUUK2EOSVEE14ROVUE 010ROVUEK2EA0E      IF                                          18000
         SUSAP KSUUK2EOSVEE14ROVUE 020HANAIK2EA0E    010TF                02740412    + FL280          280
         SUSAP KSUUK2EOSVEE14ROVUE 030MOLENK2EA0EE   010TF                03710266    B FL240FL220
         SUSAP KSUUK2EOSVEE14ZONSO 010ZONSOK2EA0E      IF                                          18000
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```

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

```
        SUSAP KSUUK2EOSVEE16RW21R 030KSUU K2PA0AE      VM                  0200

                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LIBBO	LIBBO	010		IF		FB					
	LIBBO	TAPOC	020		TF		FB	1.0	304.7()	076.8		
	LIBBO	PUBOC	030		TF		FB	1.0	309.1()	024.4	AA FL300	
	LIBBO	JESTE	040		TF		FB	1.0	347.5()	020.0	AA FL270	AT 280
	LIBBO	MOLEN	050		TF		FB	1.0	347.2()	020.7	BT FL240FL220	
	ROVUE	ROVUE	010		IF		FB					
	ROVUE	HANAI	020		TF		FB	1.0	027.4()	041.2	AA FL280	AT 280
	ROVUE	MOLEN	030		TF		FB	1.0	037.1()	026.6	BT FL240FL220	
	ZONSO	ZONSO	010		IF		FB					
	ZONSO	HANAI	020		TF		FB	1.0	077.2()	039.4	AA FL280	AT 280
	ZONSO	MOLEN	030		TF		FB	1.0	037.1()	026.6	BT FL240FL220	
		MOLEN	010		IF		FB				BT FL240FL220	
		OCOVA	020		TF		FB	1.0	054.6()	049.6		
	RW03L	OCOVA	010		IF		FB					
	RW03L	OSVEE	020		TF		FO	1.0	053.6()	003.0	AT 07000	
	RW03L	KSUU	030		VM		FB		020.0()			
	RW21R	OCOVA	010		IF		FB					
	RW21R	OSVEE	020		TF		FO	1.0	053.6()	003.0	AT 07000	
	RW21R	KSUU	030		VM		FB		020.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HANAI	N374355.92	W1233205.91	N3743.932	W12332.099
	JESTE	N373909.22	W1230639.85	N3739.154	W12306.664
	LIBBO	N360000.00	W1215000.00	N3600.000	W12150.000
	MOLEN	N375952.34	W1230512.47	N3759.872	W12305.208
	OCOVA	N381607.81	W1220552.67	N3816.130	W12205.878
	OSVEE	N381709.59	W1220221.61	N3817.160	W12202.360
	PUBOC	N371912.60	W1230811.93	N3719.210	W12308.199
	ROVUE	N371402.24	W1240749.55	N3714.037	W12407.826
	TAPOC	N365913.41	W1225041.62	N3659.224	W12250.694
	ZONSO	N374617.05	W1242144.57	N3746.284	W12421.743
	RW03L	N381435.85	W1215725.06	N3814.598	W12157.418
	RW21R	N381549.09	W1215543.12	N3815.818	W12155.719

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

FAA Form 7100-3 (9/02)

```
RW03L   00036          56
RW21R   00053          49
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
OSVEE RNAV	ONE	OSVEE.OSVEE1	NONE		

RADIO FIX AND HOLDING DATA RECORD

NAME: HANAI **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 374355.92N/1233205.91W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JESTE **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 373909.22N/1230639.85W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIBBO **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 360000.00N/1215000.00W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
NON-COMPULSORY WAYPOINT TO BE USED FOR OCEAN BOUND TRAFFIC OFF THE LOS ANGELES BASIN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED STAR TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO:
ARTCC: ZOA
ATC FACILITY:
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOLEN **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 375952.34N/1230512.47W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN FRANCISCO	SFO	VOR/DME	L	287.00	304.00	40.78	40.78		6000	17500
2	MENDOCINO	ENI	VORTAC	H	155.99	171.99	63.87	63.87		6000	17500
3	POINT REYES	PYE	VORTAC	H	227.76	244.76		11.48		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SFO	VOR/DME	R-287	41	6000	17500
ENI	VORTAC	R-156	64	6000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
SAN FRANCISCO (FAC 1) AND POINT REYES (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MOLEN	1, 2, 3		KSFO	SAN FRANCISCO	CA (US)
EN ROUTE	V199	1, 2, 3				CA (US)
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: DP, STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED WP TO FIX TYPE.
ADDED ESV DATA.
ADDED STAR TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: SFO ATCT
OTHER: NORCAL APP CON

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OCOVA **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381607.81N/1220552.67W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OSVEE **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381709.59N/1220221.61W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 20			KVCB	VACAVILLE	CA (US)
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED FAC 1.
ADDED STAR TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: TRAVIS

RADIO FIX AND HOLDING DATA RECORD

NAME: PUBOC **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 371912.60N/1230811.93W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROVUE **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 371402.24N/1240749.55W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEATO **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 382842.84N/1215756.88W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRAVIS	SUU	TACAN	L	339.00	356.00	14.00	14.00		5000	17500
2	SCAGGS ISLAND	SGD	VORTAC	L	029.88	046.88	26.30	26.30		3000	17500
3	MENDOCINO	ENI	VORTAC	H	102.88	118.88	70.41	70.41		7000	17500
4	WILLIAMS	ILA	VORTAC	L	157.34	175.34	35.64	35.64		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENI	VORTAC	R-103	71	7000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	SUU	TACAN	339.00	159.00	L	1		5000	6000	14	14
2	N		WP	340.00	160.00	L		9	6000	6000	14	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	AAO	382745.00N/1220706.00W	2766	4E
2	310	AAO	382745.00N/1220706.00W	2766	4E

REASON FOR NONSTANDARD HOLDING:
PAT 2 TERRAIN
PAT 1 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
WILLIAMS (FAC 4) AND SCAGGS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	TACAN RWY 03L	1	1	KSUU	FAIRFIELD	CA (US)
IAP	TACAN RWY 21R	1	1	KSUU	FAIRFIELD	CA (US)
STAR	OSVEE (RNAV)		2	KSUU	FAIRFIELD	CA (US)
STAR	PEBLL (RNAV)		2	KSUU	FAIRFIELD	CA (US)
STAR	SEATO	1, 2, 3, 4	1	KSUU	FAIRFIELD	CA (US)
STAR	SUTHU (RNAV)		2	KSUU	FAIRFIELD	CA (US)
STAR	WEBGO (RNAV)		2	KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED FIX TYPE WP.
UPDATED FAC 3 DME AND DIST FROM FAC (NM) FROM 70.40 TO 70.41.
ADDED HOLDING PAT 2 AND ASSOCIATED DATA.
UPDATED REMARK FOR FIX COORDINATES ESTABLISHMENT.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** JEFF ANDERSON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: SUU ATCT
OTHER: HQ AMC/A3AT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TAPOC **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 365913.41N/1225041.62W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZONSO **STATE:** OP **COUNTRY:** US

LATITUDE/LONGITUDE: 374617.05N/1242144.57W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSVEE (RNAV)			KSUU	FAIRFIELD	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/06/2012 **OFFICE:** AJV-351 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU ATCT

QUALITY 3 CHECKED

Name:	Randy Bachmann
Project Name:	KSUU
Output File:	OSVEE RNAV STAR ROVUE OSVEE 20120828_0642
Procedure Name:	OSVEE RNAV
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 6:42:06 AM
Input File:	OSVEE ROVUE RW21R 20120315.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ Please Check Flyability Results
DME/DME	✓
Radars	✓
Comms	
TERPS	

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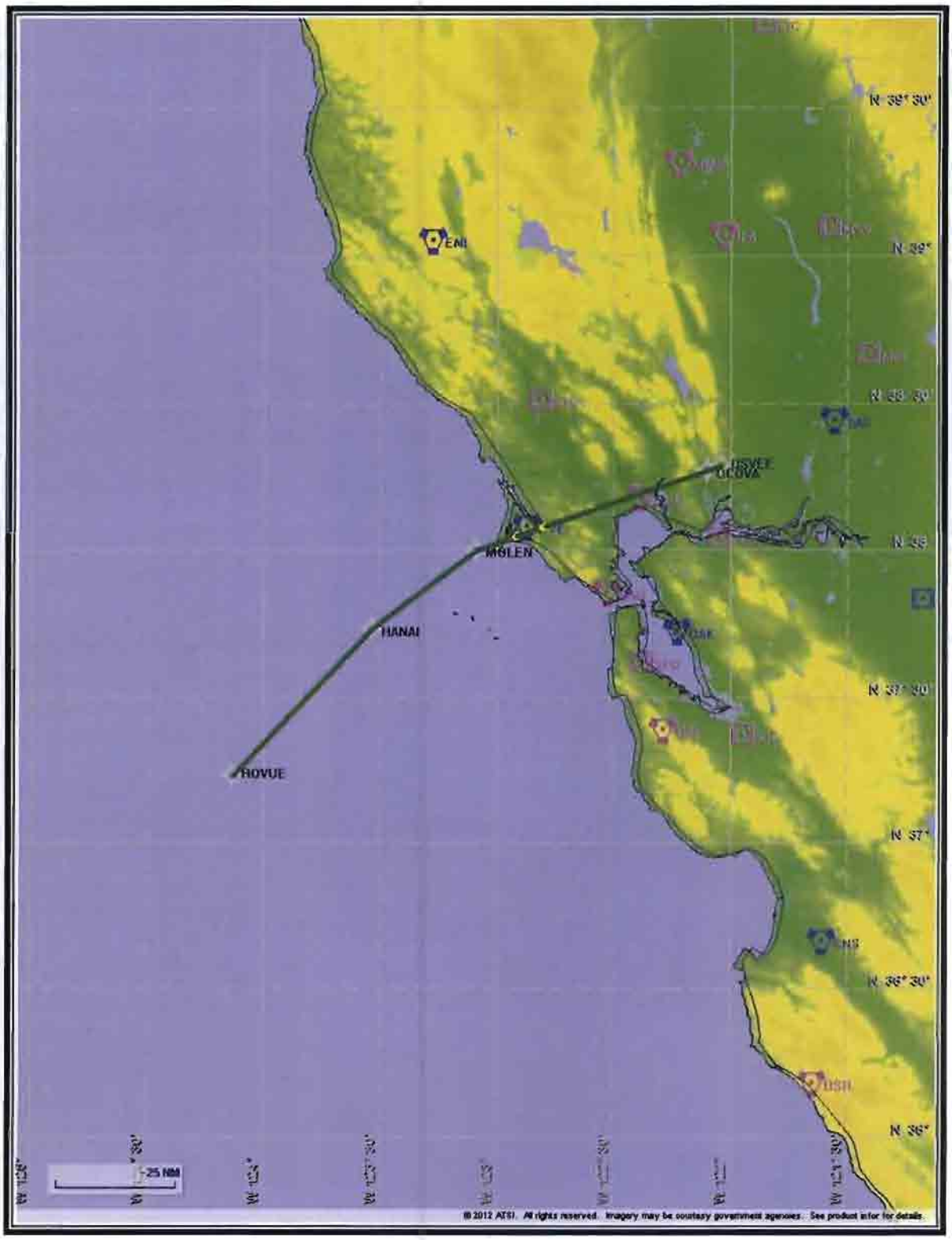
N 38° 30'
N 38°
N 38° 30'
OSVEE
OCEVA
MOLEN
HANAI
ROVUE
N 37° 30'
N 37°
N 36° 30'
N 36°
25 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ROVUE	WP	N 37° 14' 2.24" W 124° 7' 49.55"	28000.0	Step	280.0	Fly By	TF
HANAI	WP	N 37° 43' 55.92" W 123° 32' 5.91"	28000.0	Step	280.0	Fly By	TF
MOLEN	WP	N 37° 59' 52.34" W 123° 5' 12.47"	10000.0	Step	180.0	Fly By	TF
OCOVA	WP	N 38° 16' 7.81" W 122° 5' 52.67"	4500.0	Step	180.0	Fly By	TF
OSVEE	WP	N 38° 17' 9.59" W 122° 2' 21.61"	4200.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:	**Flight Type:** Arrival **Aircraft Category:** Cat D **Climb Gradient:** Table: **321.0 Ft/NM** up to **5100.0 Ft MSL** **483.0 Ft/NM** up to **13000.0 Ft MSL** **Ground Speeds:** Table: **200.0 Kts** up to **29000.0 Ft.** **280.0 Kts** up to **99900.0 Ft.** **Wind Settings:** *None assigned* **Descent During a Turn:** Allowed **VNAV Mode:** Flight Plan

Aircraft ALTITUDE at Fly-By WP MOLEN too high.

Aircraft ALTITUDE at Fly-By WP OCOVA too high.

Aircraft ALTITUDE at Fly-Over WP OSVEE too high.

DME/DME

Return To Summary

Settings:

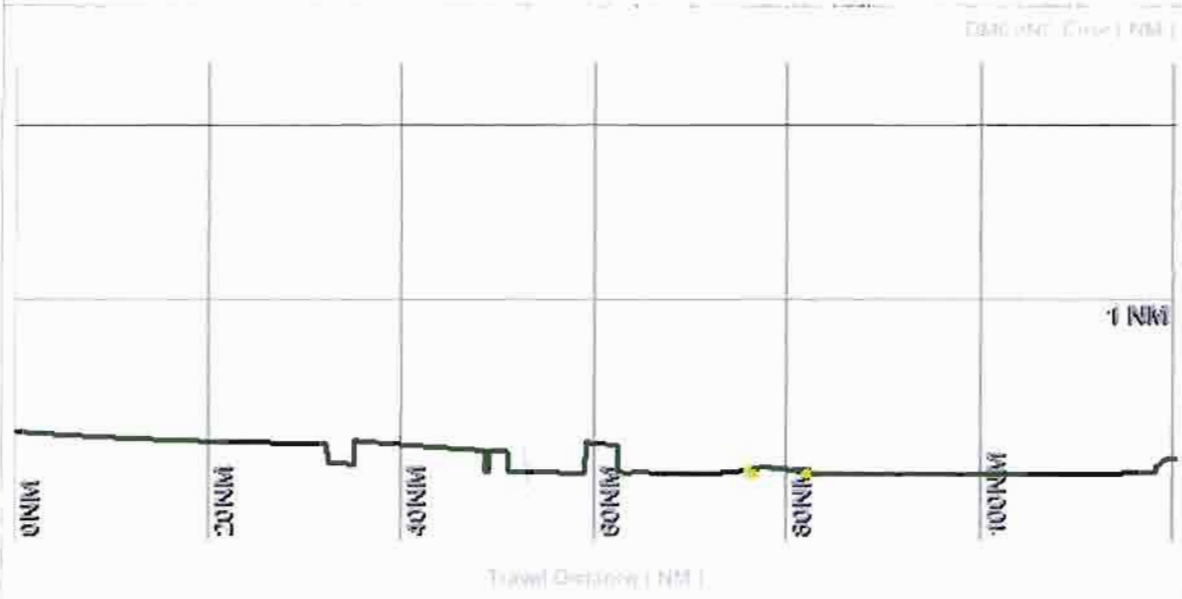
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 0.454 NM.

No Critical DMEs were found.

Available DMEs: ENI, OAK, PYE, SNS, SAC, ECA, LIN, MOD, SAU, STS, SGD, SFO



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ENI	N 39° 3' 11.58" W 123° 16' 27.58" E 16	H	Database	NO	0.483	Enabled	49.1 %	49.1 %
2	SNS	N 36° 39' 49.80" W 121° 36' 11.46" E 17	H	Database	NO	0.515	Enabled	26.8 %	26.8 %
3	OAK	N 37° 43' 33.31" W 122° 13' 24.92" E 17	H	Database	NO	0.480	Enabled	21.1 %	21.1 %
4	MOD	N 37° 37' 38.55" W 120° 57' 28.32" E 17	H	Database	NO	0.454	Enabled	12.9 %	12.9 %
5	SAU	N 37° 51' 19.24" W 122° 31' 21.91" E 17	L	Database	NO	0.454	Enabled	23.3 %	23.3 %
6	PYE	N 38° 4' 47.12" W 122° 52' 4.18" E 17	H	Database	NO	0.454	Enabled	19.4 %	19.4 %
7	STS	N 38° 30' 29.44" W 122° 48' 37.67" E 16	L	Database	NO	0.454	Enabled	31.8 %	31.8 %
8	SFO	N 37° 37' 10.14" W 122° 22' 26.01" E 17	L	Database	NO	0.454	Enabled	5.3 %	5.3 %
9	SGD	N 38° 10' 45.70" W 122° 22' 23.35" E 17	L	Database	NO	0.454	Enabled	10.3 %	10.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ENI	SNS	PYE	OAK	SAC	ECA
30.3	ENI	SNS	PYE	OAK	MOD	SAC
40.9	ENI	SNS	PYE	OAK	MOD	ECA
51.0	ENI	SAU	PYE	OAK	STS	SAC
67.3	SFO	SAU	PYE	SGD	STS	OAK
97.7	SFO	SAU	PYE	OAK	STS	SGD
117.3	SAC	SGD	PYE	OAK	STS	SAU

DME/DME (Continued.)

Return To Summary

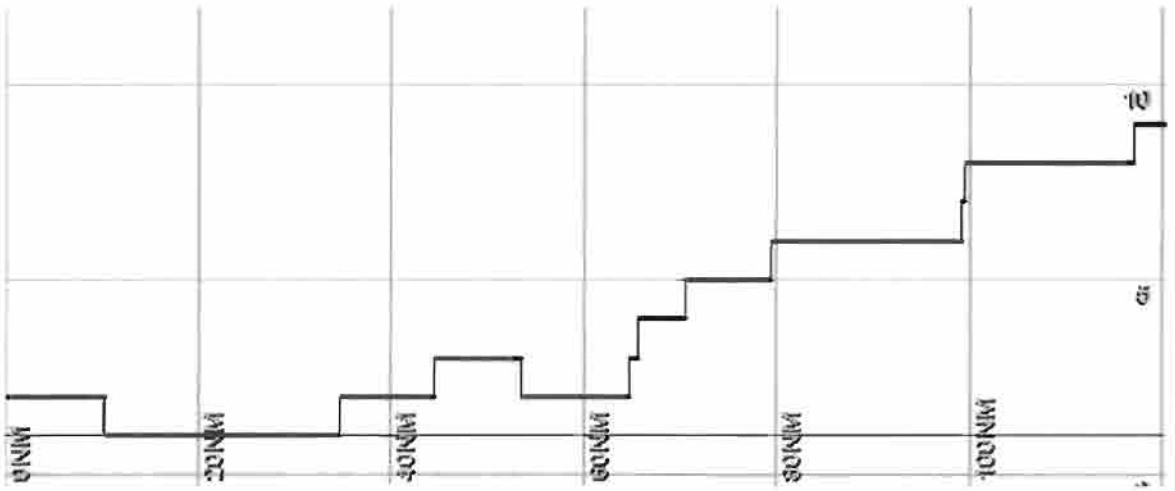
User DMEs

#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LSV	N 36° 14' 40.77" W 115° 1' 30.27" E 15	L	1863.6	135.5	LSV	Not Used
	Restriction:	Bearing [True]: 35.0° to 50.0° Bearing [Mag]: 20.0° to 35.0°			Distance: Beyond 30.0 NM Altitude: Below 8000.0 Ft.		
	Restriction:	Bearing [True]: 50.0° to 95.0° Bearing [Mag]: 35.0° to 80.0°			Distance: Beyond 20.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 95.0° to 170.0° Bearing [Mag]: 80.0° to 155.0°			Distance: Beyond 5.0 NM Altitude: Below 10000.0 Ft.		
	Restriction:	Bearing [True]: 95.0° to 170.0° Bearing [Mag]: 80.0° to 155.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 300.0° to 5.0° Bearing [Mag]: 285.0° to 350.0°			Distance: Beyond 20.0 NM Altitude: Below 11000.0 Ft.		
	Restriction:	Bearing [True]: 300.0° to 5.0° Bearing [Mag]: 285.0° to 350.0°			Distance: Beyond 26.0 NM Altitude: Below 15000.0 Ft.		
	Restriction:	Bearing [True]: 300.0° to 5.0° Bearing [Mag]: 285.0° to 350.0°			Distance: Beyond 33.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 5.0° to 15.0° Bearing [Mag]: 350.0° to 0.0°			Distance: Beyond 20.0 NM Altitude: Below 9000.0 Ft.		
	Restriction:	Bearing [True]: 5.0° to 15.0° Bearing [Mag]: 350.0° to 0.0°			Distance: Beyond 26.0 NM Altitude: Below 15000.0 Ft.		
	Restriction:	Bearing [True]: 15.0° to 35.0° Bearing [Mag]: 0.0° to 20.0°			Distance: Beyond 20.0 NM Altitude: Below 8000.0 Ft.		
	Restriction:	Bearing [True]: 15.0° to 35.0° Bearing [Mag]: 0.0° to 20.0°			Distance: Beyond 26.0 NM Altitude: Below 12000.0 Ft.		
2	QDS	N 35° 53' 39.30" W 115° 29' 45.90" E 15	H	6640.0	1172	[None]	Not Used
	Restriction:	Bearing [True]: 35.0° to 50.0° Bearing [Mag]: 20.0° to 35.0°			Distance: Beyond 30.0 NM Altitude: Below 8000.0 Ft.		
	Restriction:	Bearing [True]: 50.0° to 95.0° Bearing [Mag]: 35.0° to 80.0°			Distance: Beyond 20.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 95.0° to 170.0° Bearing [Mag]: 80.0° to 155.0°			Distance: Beyond 5.0 NM Altitude: Below 10000.0 Ft.		
	Restriction:	Bearing [True]: 95.0° to 170.0° Bearing [Mag]: 80.0° to 155.0°			Distance: Beyond 15.0 NM Altitude: Below 99999.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR



Name:	Randy Bachmann
Project Name:	KSUU
Output File:	OSVEE RNAV STAR ZONSO OSVEE 20120828_0711
Procedure Name:	OSVEE RNAV
Software:	RNAV-Pro™
Version:	2.36
Date/Time:	8/28/2012 7:11:13 AM
Input File:	OSVEE ZONSO RW03L 20120315.txt
Databases:	AVNIS Date: 02/07/2012
	Obstacle Date: 08/26/2011
	NFD Date: 09/30/2010
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓ **Please Check Flyability Results**
DME/DME	✓
Radars	✓
Comms	
TERPS	

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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ZONSO	WP	N 37° 46' 17.05" W 124° 21' 44.57"	28000.0	Step	280.0	Fly By	TF
HANAI	WP	N 37° 43' 55.92" W 123° 32' 5.91"	28000.0	Step	280.0	Fly By	TF
MOLEN	WP	N 37° 59' 52.34" W 123° 5' 12.47"	10000.0	Step	180.0	Fly By	TF
OCOVA	WP	N 38° 16' 7.81" W 122° 5' 52.67"	4500.0	Step	180.0	Fly By	TF
OSVEE	WP	N 38° 17' 9.59" W 122° 2' 21.61"	4200.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival
Aircraft Category: Cat D
Climb Gradient:

Table:
321.0 Ft/NM up to **5100.0 Ft MSL**
483.0 Ft/NM up to **13000.0 Ft MSL**

Ground Speeds:

Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Aircraft ALTITUDE at Fly-By WP MOLEN too high.

Aircraft ALTITUDE at Fly-By WP OCOVA too high.

Aircraft ALTITUDE at Fly-Over WP OSVEE too high.

DME/DME

Return To Summary

Settings:

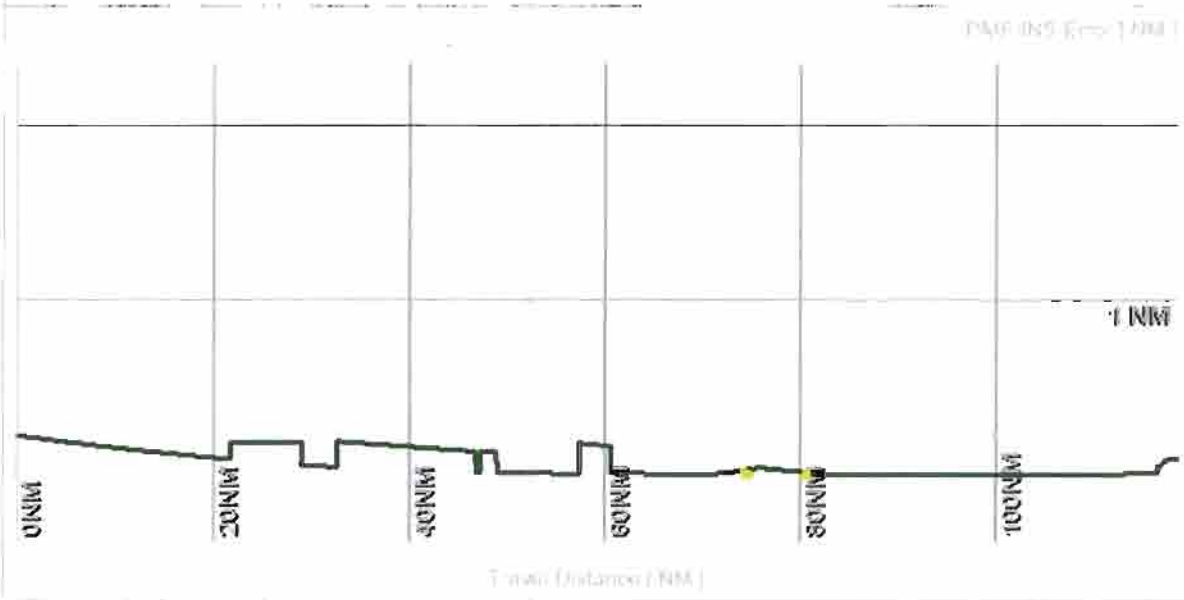
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 9

Maximum DME Error: 0.441 NM.

No Critical DMEs were found.

Available DMEs: ENI, OAK, PYE, SAC, SNS, ECA, LIN, MOD, SAU, STS, SGD, SFO



DME/DME (Continued.)

Return To Summary

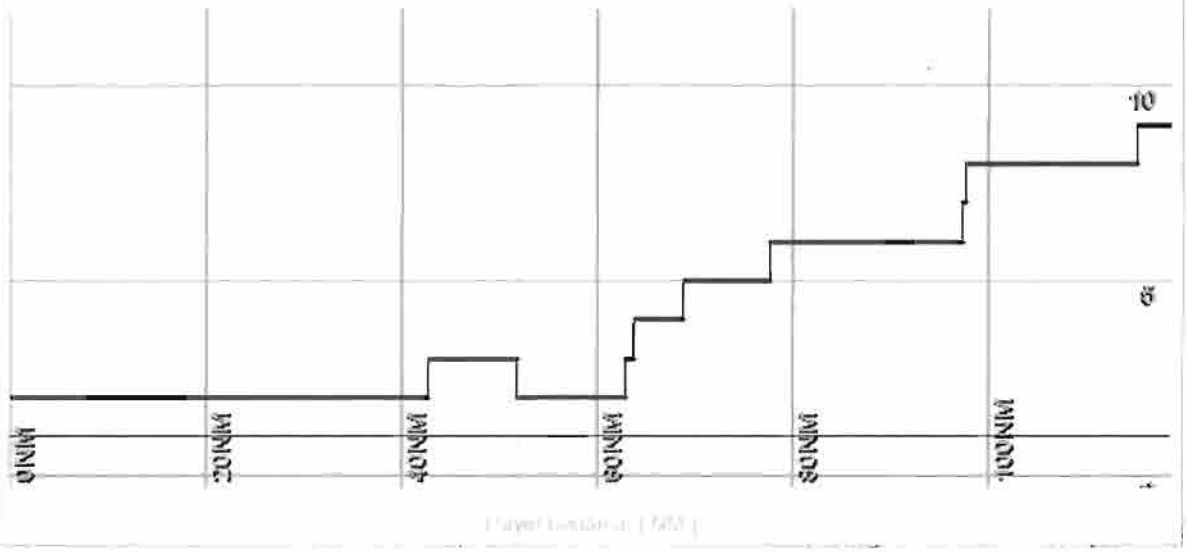
DMEs Used

#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ENI	N 39° 3' 11.58" W 123° 16' 27.58" E 16	H	Database	NO	1.425	Enabled	48.4 %	48.4 %
2	OAK	N 37° 43' 33.31" W 122° 13' 24.92" E 17	H	Database	NO	0.551	Enabled	40.6 %	40.6 %
3	SNS	N 36° 39' 49.80" W 121° 36' 11.46" E 17	H	Database	NO	0.441	Enabled	6.2 %	6.2 %
4	MOD	N 37° 37' 38.55" W 120° 57' 28.32" E 17	H	Database	NO	0.441	Enabled	13.5 %	13.5 %
5	SAU	N 37° 51' 19.24" W 122° 31' 21.91" E 17	L	Database	NO	0.441	Enabled	23.6 %	23.6 %
6	PYE	N 38° 4' 47.12" W 122° 52' 4.18" E 17	H	Database	NO	0.441	Enabled	19.6 %	19.6 %
7	STS	N 38° 30' 29.44" W 122° 48' 37.67" E 16	L	Database	NO	0.446	Enabled	32.3 %	32.3 %
8	SFO	N 37° 37' 10.14" W 122° 22' 26.01" E 17	L	Database	NO	0.441	Enabled	5.4 %	5.4 %
9	SGD	N 38° 10' 45.70" W 122° 22' 23.35" E 17	L	Database	NO	0.441	Enabled	10.5 %	10.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ENI	OAK	PYE	SAC		
20.2	ENI	OAK	PYE	MOD	SNS	SAC
38.8	ENI	OAK	PYE	MOD	SNS	ECA
48.9	ENI	OAK	PYE	STS	SAU	SAC
65.5	SFO	SGD	PYE	STS	SAU	OAK
95.8	SFO	OAK	PYE	STS	SAU	SGD
115.4	SGD	OAK	PYE	STS	SAC	SAU

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR