Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/19/2012	Task #: 2010120628646701016	Request #: 20101206286467
Procedure: RNAV (GPS) RWY 34 ORIG		Airport ID: KS33	Airport: MADRAS MUNICIPAL		Reimbursable #:
City: MADRAS	ST: OR	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID:	Fac. Type: LPV		Specialist: DAVID JENNER(Contractor)		

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	11/21/2011	03/09/2012	DEZ SILAGYI	
QA:	03/09/2012	03/12/2012	SCOTT BEARD	
Liaison:	03/12/2012		Terrell	

Procedure Comments: **Remark Type:** INFORMATION

pg 2 of 4

MADRAS, OR MADRAS MUNICIPAL (KS33) RNAV (GPS) RWY 34, ORIG (LPV) ENROUTE-YES FC: 4.3.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CUYAD, REV 2; DESCHUTES (DSD) VTAC, REV 19; GASHE-INT, REV 12; JUVET, REV 2; TUDTO, REV 2; WUREX, REV 2; YUDUB, REV 2.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

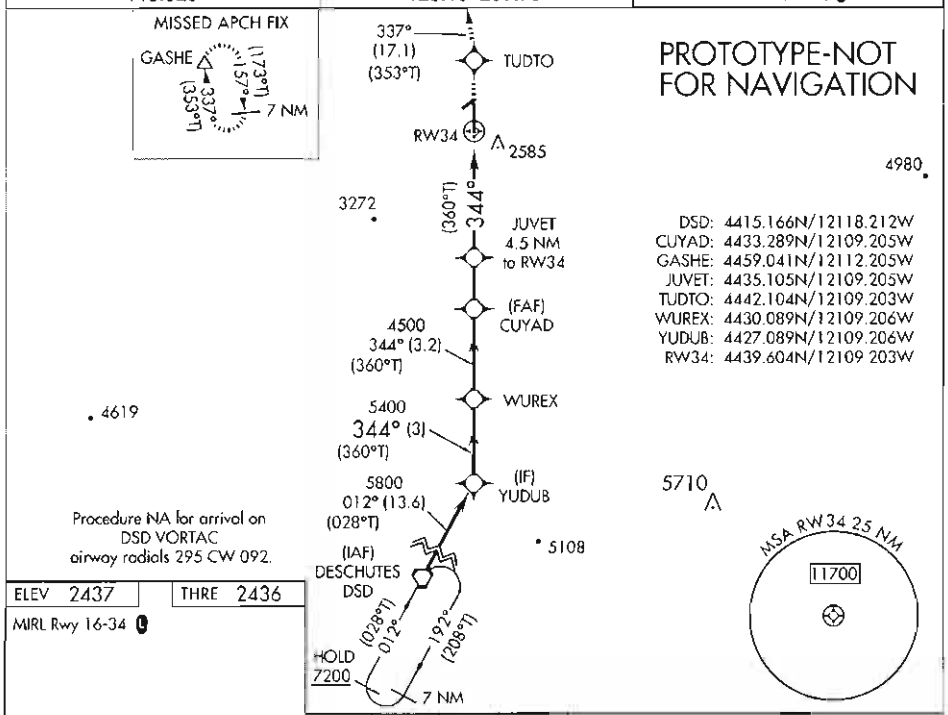
WAAS CH 60930 W34A	APP CRS 344°	Rwy ldg 5089 THRE 2436 Apt Elev 2437

RNAV (GPS) RWY 34
MADRAS MUNI (S33)

NA Circling to Rwy 16 NA at night. Baro-VNAV NA when using Redmond altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -19°C (-2°F) or above 54°C (130°F). When VGSI inop, Straight-in/Circling Rwy 34 procedure NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Redmond altimeter setting and increase all DA and MDA 580 feet; increase LPV and LNAV/VNAV all Cats visibility 2 miles, increase LNAV and Circling Cat A visibility ¼ mile, Cat B visibility ½ mile, and Cat C visibility 1⅜ mile.

MISSED APPROACH: Climb to 7000 direct TUDTO and on track 337° to GASHE and hold

REDMOND ASOS	SEATTLE CENTER	UNICOM
119.025	128.15 257.75	122.8 (CTAF)



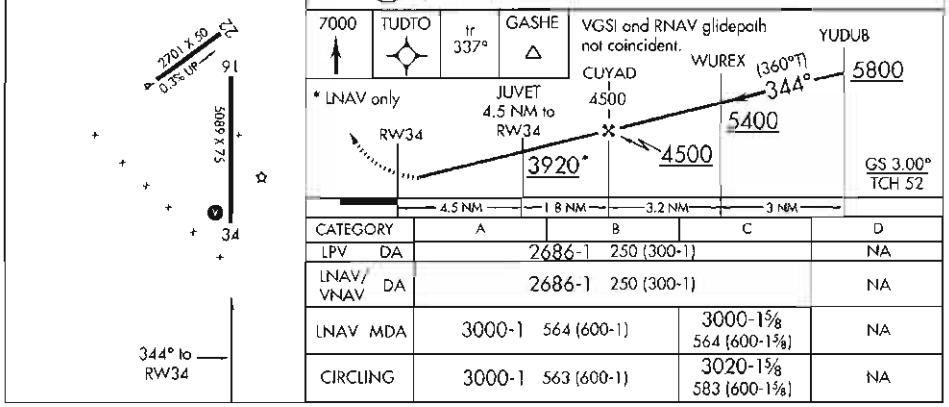
PROTOTYPE-NOT FOR NAVIGATION

DSD:	4415.166N/12118.212W
CUYAD:	4433.289N/12109.205W
GASHE:	4459.041N/12112.205W
JUVET:	4435.105N/12109.205W
TUDTO:	4442.104N/12109.203W
WUREX:	4430.089N/12109.206W
YUDUB:	4427.089N/12109.206W
RW34:	4439.604N/12109.203W

Procedure NA for arrival on DSD VORTAC airway radials 295 CW 092.

ELEV 2437	THRE 2436

MIRL Rwy 16-34



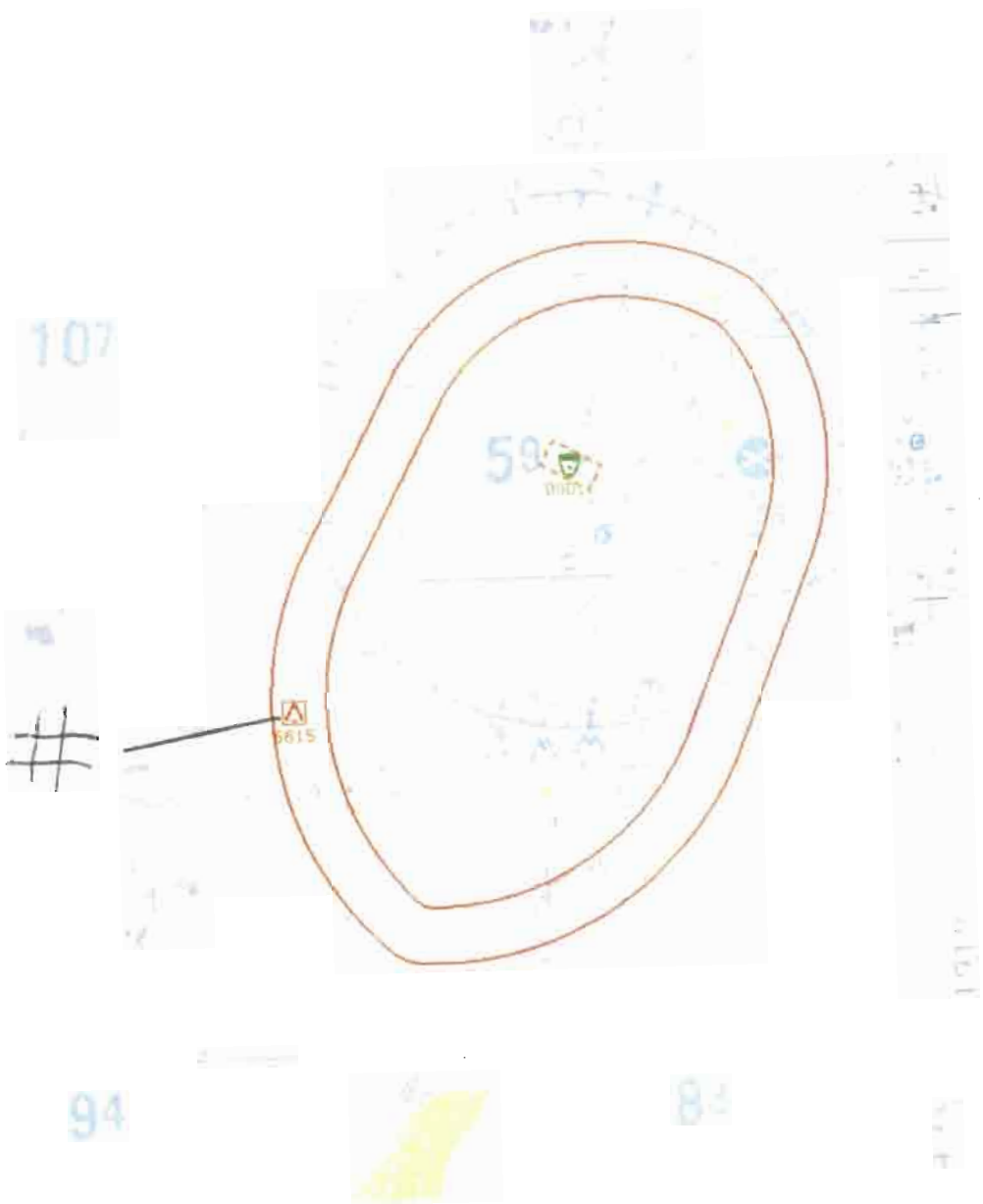
CATEGORY	A	B	C	D
LPV DA	2686-1 250 (300-1)			NA
LNAV/VNAV DA	2686-1 250 (300-1)			NA
LNAV MDA	3000-1 564 (600-1)		3000-1⅝ 564 (600-1⅝)	NA
CIRCLING	3000-1 563 (600-1)		3020-1⅝ 583 (600-1⅝)	NA

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodej | s33arrhold (PROD) | 15 Feb 2012 13:17:42 | 1" = 41666.7 feet (MAP)

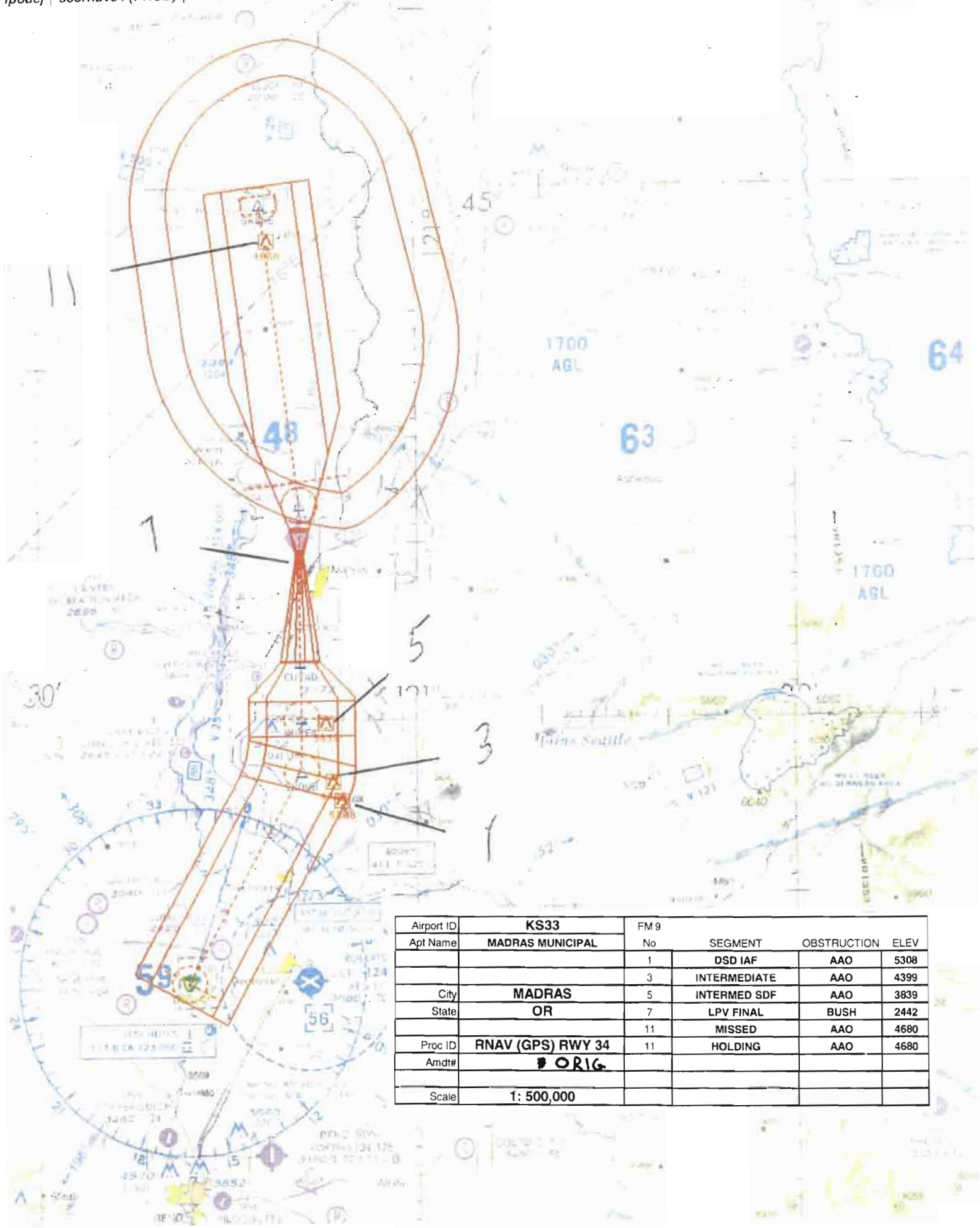
Airport ID	**KS33**	FM 9			
Apt Name	**MADRAS MUNICIPAL**	No	SEGMENT	OBSTRUCTION	ELEV
		#	**ARRIVAL HOLDING**	**AAO**	**6615**
City	**MADRAS**			**OBST LIES**	
State	**OR**			**7170 FT**	
				INTO SEC	
Proc ID	**RNAV (GPS) RWY 34**			**AREA**	
Amdt#	**ORIG**			**PRIM EQ =**	
				5822.01 FT	
Scale	**1: 500,000**				



NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodej | s33rnav34 (PROD) | 15 Feb 2012 13:43:41 | 1" = 41666.7 feet (MAP)

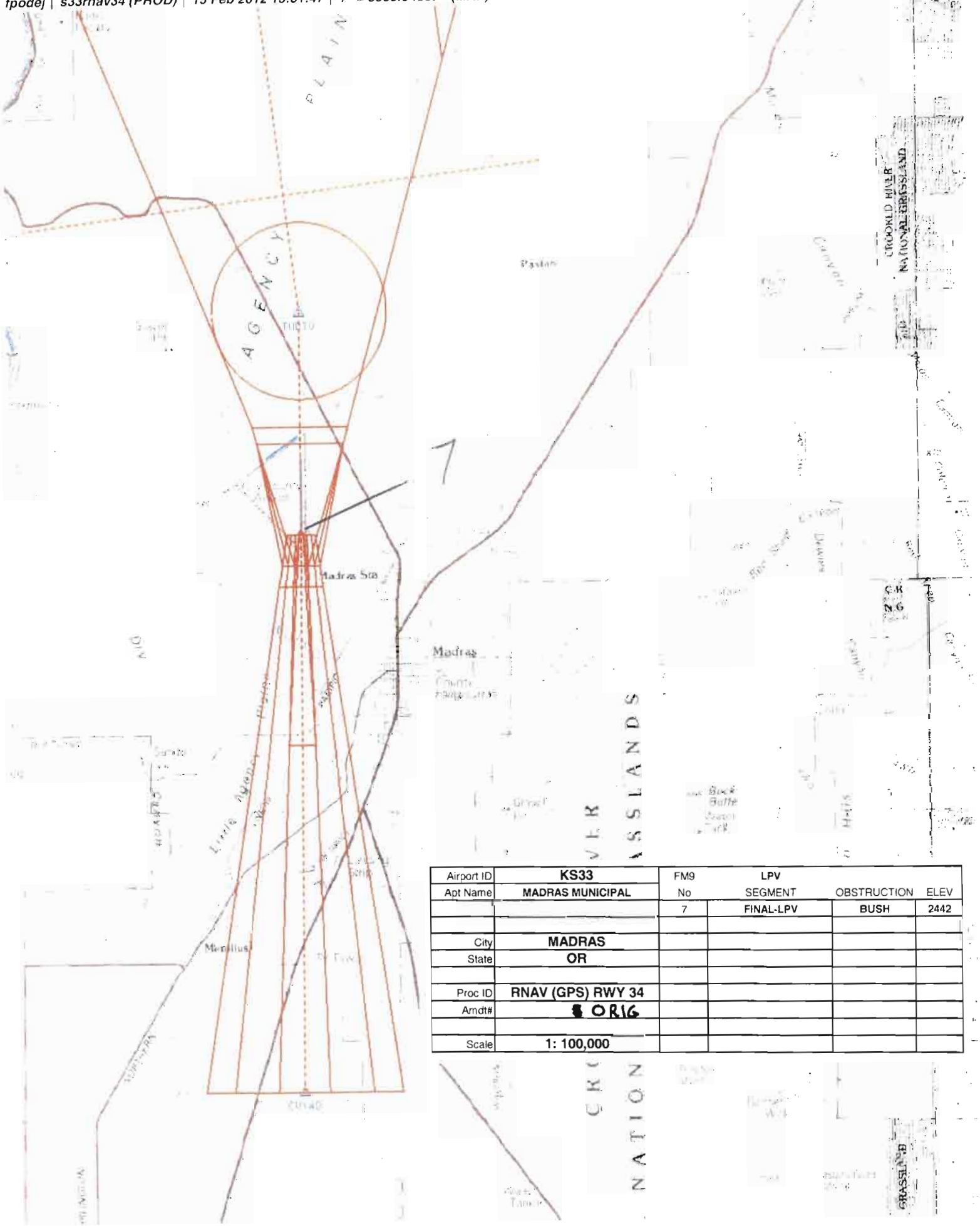


Airport ID	KS33	FM 9			
Apt Name	MADRAS MUNICIPAL	No	SEGMENT	OBSTRUCTION	ELEV
		1	DSD IAF	AAO	5308
		3	INTERMEDIATE	AAO	4399
City	MADRAS	5	INTERMED SDF	AAO	3839
State	OR	7	LPV FINAL	BUSH	2442
		11	MISSED	AAO	4680
Proc ID	RNAV (GPS) RWY 34	11	HOLDING	AAO	4680
Amdt#	1 ORIG				
Scale	1: 500,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodej | s33rnav34 (PROD) | 15 Feb 2012 13:01:47 | 1" = 8333.3 feet (MAP)

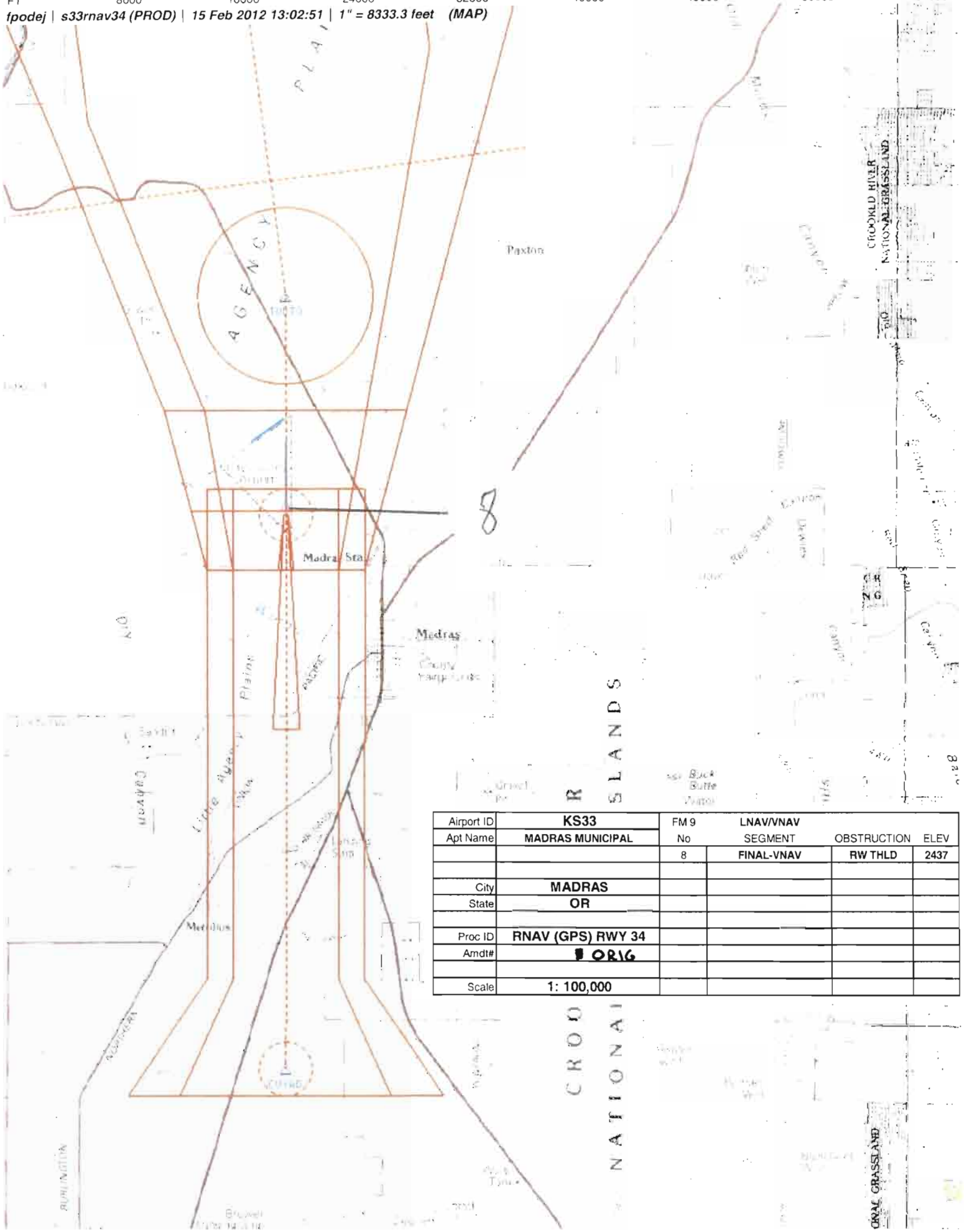


Airport ID	KS33	FM9	LPV		
Apt Name	MADRAS MUNICIPAL	No	SEGMENT	OBSTRUCTION	ELEV
		7	FINAL-LPV	BUSH	2442
City	MADRAS				
State	OR				
Proc ID	RNAV (GPS) RWY 34				
Amdt#	8 ORIG				
Scale	1: 100,000				

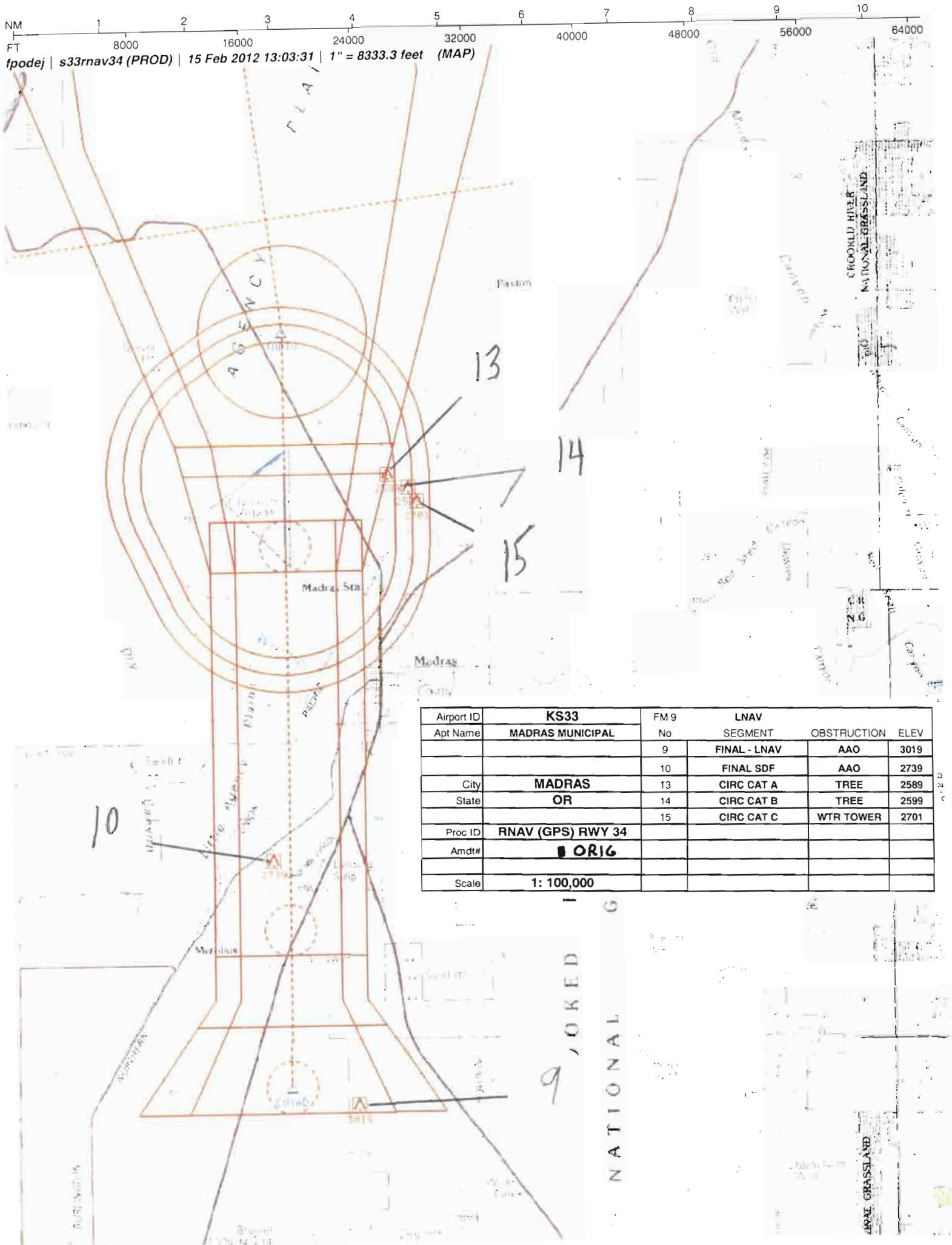
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodej | s33rnav34 (PROD) | 15 Feb 2012 13:02:51 | 1" = 8333.3 feet (MAP)



Airport ID	KS33	FM 9	LNAV/VNAV		
Apt Name	MADRAS MUNICIPAL	No	SEGMENT	OBSTRUCTION	ELEV
		8	FINAL-VNAV	RW THLD	2437
City	MADRAS				
State	OR				
Proc ID	RNAV (GPS) RWY 34				
Amdt#	ORIG				
Scale	1: 100,000				



Airport ID	KS33	FM 9	LNAV		
Apt Name	MADRAS MUNICIPAL	No	SEGMENT	OBSTRUCTION	ELEV
		9	FINAL - LNAV	AAO	3019
		10	FINAL SDF	AAO	2739
City	MADRAS	13	CIRC CAT A	TREE	2589
State	OR	14	CIRC CAT B	TREE	2599
		15	CIRC CAT C	WTR TOWER	2701
Proc ID	RNAV (GPS) RWY 34				
Amdt#	ORIG				
Scale	1: 100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DSD VORTAC (IAF)	YUDUB (FB)	012.40 / 13.56	5800
YUDUB (IF)	WUREX (FB)	344.01 / 3.00	5400
WUREX	CUYAD (FB)	344.01 / 3.20	4500
CUYAD (FAF)	JUVET/4.50 NM TO RW34 (FB)	344.01 / 1.82	
JUVET/4.50 NM TO RW34	RW34 (MAP) (FO)	344.01 / 4.50	
RW34 (MAP)	2686 MSL	344.01	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 7000 DIRECT TUDTO AND ON TRACK 336.83 TO GASHE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT YUDUB
3. FAC: 344.01 FAF: CUYAD DIST FAF TO MAP: 6.32 THLD: 6.32
4. MIN. ALT: YUDUB 5800, WUREX 5400, CUYAD 4500, JUVET/4.50 NM TO RW34 3920*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 4500 GS ALT AT: CUYAD 4500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
8. MSA FROM: RW34 11700

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 336.83 INBOUND.
CHART ARRIVAL HOLDING AT DSD VORTAC: HOLD S, RT, 012.40 INBOUND, 7200.
FAS OBST: 2739 AAO 443551N/1210928W
DISTANCE TO THLD FROM 250 HATH: 0.62 NM.
WAAS CHANNEL # 60930
REFERENCE PATH ID: W34A
LTP HAE: 721.2 M

MAG VAR: 16E EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2686	1	250	2686	1	250	2686	1	250		NA				
LNAV/VNAV DA	2686	1	250	2686	1	250	2686	1	250		NA				
LNAV MDA	3000	1	564	3000	1	564	3000	1 5/8	564		NA				
CIRCLING	3000	1	563	3000	1	563	3020	1 5/8	583		NA				

NOTES:
CHART NOTE: CIRCLING TO RWY 16 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING REDMOND ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZSE, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **ADOLFO URRUTIA (DAVID E. JENNER)**	FIFO **AJV-354**	DATE: **01/19/2012**

APPROVED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:

CHANGES:

1. ORIGINAL.

REASONS:

1. PER FPT.

THIS REPLACES RNAV (GPS) -A

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
2686 MSL	TUDTO (FB)		
TUDTO	GASHE (FO)	336.83/17.07	7000

NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 34 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL DA AND MDA 580 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 2 MILES, INCREASE LNAV AND CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B VISIBILITY 1/2 MILE, AND CAT C VISIBILITY 1 3/8 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DSD VORTAC AIRWAY RADIALS 295 CW 092.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	S33
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	443936.2590N
LTP/FTP LONGITUDE	1210912.2000W
LTP/FTP ELLIPSOIDAL HEIGHT	+07212
FPAP LATITUDE	444105.3600N
FPAP LONGITUDE	1210912.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	11039CF4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07426
FPAP ORTHOMETRIC HEIGHT	+07426

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DSD   K1011760VTHA N44150995W121181269    N44150853W121181238E0180041012     NARDESCHUTES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CUYAD K10    W     N44331731W121091229                      E0155     NAR           CUYAD
        SUSAEAENRT   GASHE K10    C   L N44590248W121121230                      E0156     NAR           GASHE
        SUSAEAENRT   JUVET K10    W     N44350627W121091227                      E0155     NAR           JUVET
        SUSAEAENRT   TUDTO K10    W     N44420625W121091216                      E0156     NAR           TUDTO
        SUSAEAENRT   WUREX K10    W     N44300531W121091234                      E0155     NAR           WUREX
        SUSAEAENRT   YUDUB K10    W     N44270532W121091238                      E0155     NAR           YUDUB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP S33 K1AS33     0     050YHN44401260W121091850E016002437         1800018000C    MNAR    MADRAS MUNICIPAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP S33 K1FR34   ADSD   010DSD  K1D 0V  C    IF                                  + 07200     18000                  A JS
        SUSAP S33 K1FR34   ADSD   020YUDUBK1EA0EE B 010TF                     01240136    + 05800                            A JS
        SUSAP S33 K1FR34   R      010YUDUBK1EA0E  I    IF                                  + 05800     18000                  A JS
        SUSAP S33 K1FR34   R      011WUREXK1EA0E S  051TF                     34400030    + 05400                            A JS
        SUSAP S33 K1FR34   R      020CUYADK1EA1E  F 051TF                     34400032    + 04500                  RW34  K1PGA JS
        SUSAP S33 K1FR34   R      020CUYADK1EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP S33 K1FR34   R      021JUVETK1EA0E S  031TF                     34400018    V 0392003922        -300           A JS
        SUSAP S33 K1FR34   R      030RW34 K1PG0GY M 031TF                     34400045      02488             -300           A JS
        SUSAP S33 K1FR34   R      040         0  M     CA                     3440        + 02686                            A JS
        SUSAP S33 K1FR34   R      050TUDTOK1EA0E       DF                                                                    A JS
        SUSAP S33 K1FR34   R      060GASHEK1EA0EY   010TF                     3368        + 07000                            A JS
        SUSAP S33 K1FR34   R      070GASHEK1EA0EE  R   HM                     33680070    + 07000                            A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP S33 K1GRW34    0050893440 N44393626W121091220-0100    +0721202436000052075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

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```
SUSAP S33 K1PR34   RW34 001 0000W34A0N4439362590W12109122000+072120300N4441053600W12109121800106751200000520F40050011039CF4
SUSAP S33 K1PR34   RW34 002E      +07426+07426LPV       60930
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP S33 K1SRW34 K1PG                0   18018011725                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	DSD	DSD	010	IAF	IF		FB				AA 07200	
	DSD	YUDUB	020		TF		FB	1.0	012.4(028.4T)	013.6	AA 05800	
		YUDUB	010	FACF	IF		FB				AA 05800	
		WUREX	011	SDF	TF		FB	0.5	344.0(360.0T)	003.0	AA 05400	
		CUYAD	020	FAF	TF		FB	0.5	344.0(360.0T)	003.2	AA 04500	
		JUVET	021	SDF	TF		FB	0.3	344.0(360.0T)	001.8	AA 03920 GS 03922	
		RW34	030	MAP	TF		FO	0.3	344.0(360.0T)	004.5	AT 02488	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		344.0(360.0T)		AA 02686	
	TUDTO	050		DF		FB					
	GASHE	060		TF		FO	1.0	336.8(352.8T)		AA 07000	
	GASHE	070		HM	R	FO		336.8(352.8T)	007.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DSD	N441509.95	W1211812.69	N4415.166	W12118.212
	CUYAD	N443317.31	W1210912.29	N4433.289	W12109.205
	GASHE	N445902.48	W1211212.30	N4459.041	W12112.205
	JUVET	N443506.27	W1210912.27	N4435.105	W12109.205
	TUDTO	N444206.25	W1210912.16	N4442.104	W12109.203
	WUREX	N443005.31	W1210912.34	N4430.089	W12109.206
	YUDUB	N442705.32	W1210912.38	N4427.089	W12109.206
	RW34	N443936.26	W1210912.20	N4439.604	W12109.203

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	02436	52

QUALITY CHECKED

CITY AND STATE	ELEVATION: 2437 THRE: 2436	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADRAS, OR	AIRPORT NAME: MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	DSD VORTAC	YUDUB	1. AAO	442502.10N/1210600.50W	5308 (2A)	1000	SA-508	5800
			2. TERRAIN	441527.70N/1211801.90W	4101 (4100)		AS1500	5600
INTERMEDIATE	YUDUB	WUREX	3. AAO	442605.76N/1210641.57W	4399 (2C)	500	RA148 AT353	5400
			4. TERRAIN	442815.00N/1210915.00W	4013 (4000)		AS1000	5000
INTERMEDIATE: STEPDOWN	WUREX	CUYAD	5. AAO	442924.00N/1210715.00W	3839 (2C)	500	RA148	4500
			6. TERRAIN	443006.00N/1210715.00W	3235 (3200)		AS1000	4200
FINAL: LPV	CUYAD	RW34	7. BUSH (KS33L010)	443934.16N/1210908.84W	2442 (1B)	ASC	AC10	2686/250
FINAL: LNAV/VNAV	CUYAD	RW34	8. RWY THLD	443936.26N/1210912.20W	2437 (1A)	PDA		2686/250
FINAL: LNAV	CUYAD	JUVET/4.50 NM TO RW34	9. AAO	443259.95N/1210805.98W	3019 (2C)	250	XL16 RA580 DG55	3920
FINAL: LNAV STEPDOWN	JUVET/4.50 NM TO RW34	RW34	10. AAO	443550.68N/1210928.14W	2739 (2C)	250		3000
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW34	GASHE				ASC		7000
			11. AAO	445633.50N/1211133.30W	4680 (6A)	1000		5700
ELEV:	2498/2536/2900		12. TERRAIN	445633.50N/1211133.30W	4480 (4500)		AS1500	6000
13. TREE				444020.48N/1210729.85W	2589 (2C)	300	SI	3000
14. TREE				444011.43N/1210709.83W	2599 (2C)	300	SI	3000
15. WATER TOWER				444001.75N/1210701.72W	2701 (2C)	300		3020

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	563
CATEGORY B	1.5 NM	450	563
CATEGORY C	1.7 NM	450	583
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW34

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	256/ 27.6	10697 (6A)	11700					

CITY AND STATE	ELEVATION: 2437 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MADRAS, OR	MADRAS MUNICIPAL	RNAV	RNAV (GPS) RWY 34, ORIG	ANM

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZSE ARTCC RDM FSS		N W S	OTHER:	SOURCE: KS33 / KRDM
				DISTANCE: 0 / 24.97
	X	F A A	AWOS-2	HOURS REMOTE OPERATION:
SATISFACTORY ON:		A / C		24 / 24
X V H F X U H F H F	LOCATION: KS33			ADJUSTMENT: 0 / 580

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 16 (PCL), 34 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 34 (PCL)
6. RUNWAY MARKINGS	BASIC BSC-G 16, 34	
	ALL WEATHER	
	INSTRUMENT NPI-G 22, 04	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 2436.4
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 52.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ADOLFO URRUTIA (DAVID E. JENNER)	DATE: 01/19/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/25.

KS33 AWOS NOT ON SVC A, KRDM ASOS ON SERVICE A.

SEE ATTACHED AIRSPACE LETTER.
RASS PRESSURE PATTERNS NOT THE SAME
HIGH TERRAIN 5108, LOW TERRAIN 1378
RA = 579.64.

ISA DEVIATIONS: -30
HISTORICAL WEATHER DATA NOT AVAILABLE.

TAA NOT DEVELOPED PER FPT.

40' FT VEGETATION AND 200' AAO USED PER FPT/AMGR.

LPV:
SURFACE: 34:1

LNAV/VNAV:
SURFACE: 23.4:1

OBST # 1 - ACTUAL SECONDARY ADJUSTMENT (SA) IS -996 FT.
DUE TO THE DESIRED ALTITUDE OF 5800 ONLY -508 FT (SA)
WAS USED.
OBST # 3 - SECONDARY ADJUSTMENT OF -28 FT NOT TAKEN DUE
TO (AT) 353 FT ADJUSTMENT TO GET DESIRED ALTITUDE OF
5400 FT

PER 8260-3B, PARA 3.2.2.C (3); RASS ADJUSTMENT IS
EXCEEDED BY MORE THAN 200 FT. 60% OF THE BASIC
ADJUSTMENT HAS BEEN ADDED TO THE INTERMEDIATE SEGMENT.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL "
PENETRATIONS

20:1
RW34 2442 BUSH (KS33L011) 443934.09N-1210907.53W (4.62)

RW34 2442 BUSH (KS33L010) 443934.16N-1210908.84W (4.97)

RW16 2435 BUSH (KS33L002) 444028.57N-1210914.69W (4.67)

RW16 2437 BUSH (KS33L003) 444028.69N-1210910.58W (6.06)

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CUYAD **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 443317.31N/1210912.29W **TYPE:** WP

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

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

REMARKS:
8260-54A FORMULA USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 34			KS33	MADRAS	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED FIX COORDINATES, FIX MOVED 2303.93 FEET SOUTH.
ADDED REMARK ESTABLISHING FIX COORDINATES.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DESCHUTES VORTAC **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 441509.95N/1211812.69W **TYPE:**

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	FEET	MRA	MAA
1	DESCHUTES	DSD	VORTAC	H							45000

FIX RESTRICTIONS:
MCA V121 10000 SOUTHWEST BOUND
MCA V165 9300 NORTHWEST BOUND
MCA V595 7900 SOUTHWEST BOUND
MCA V595 9300 NORTHWEST BOUND

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	DSD	VORTAC	347.55	167.55	R	1-1 1/2		6000	17500	7	16
2	W	DSD	VORTAC	262.50	082.50	L	1-1 1/2		7000	17500	8	16
3	NW		WP	303.97	123.97	L		6	6000	10000	8	10
4	N	DSD	VORTAC	358.03	178.03	L	1-1 1/2		6700	17500	8	16
5	S		WP	192.40	012.40	R		7	7200	10000	9	10
6	W		WP	262.00	082.00	L		7	8700	14000	10	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	441527.70N/1211801.90W	4301	6A
1	310	AAO	442926.40N/1212823.30W	4819	6A
2	230	AAO	442400.70N/1213806.10W	6636	6A
3	230	AAO	442926.40N/1212823.30W	4819	6A
4	230	AAO	442502.00N/1210800.00W	5308	6A
5	230	AAO	440600.00N/1213230.00W	6615	4E
6	230	AAO	442400.70N/1213806.10W	6636	4E
6	310	AAO	441600.00N/1214454.00W	7427	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
5	230	77

REASON FOR NONSTANDARD HOLDING:
PAT 3 TERRAIN
PAT 2 TERRAIN
PAT 4 TERRAIN
PAT 6 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 16	KBDN	BEND	OR (US)
1	VOR/DME RWY 22	KRDM	REDMOND	OR (US)
1	TEXTUAL DP	KS33	MADRAS	OR (US)
1	BEND	KBDN	BEND	OR (US)
6	REDMOND TWO	KRDM	REDMOND	OR (US)

REMARKS:
PAT 2 OBSTACLE IS 11085 FT INTO SECONDARY
PAT 5 OBSTACLE IS 7170 FT INTO SECONDARY
PAT 6 OBSTACLE IS 2345 FT INTO SECONDARY
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BEND		1	KBDN	BEND	OR (US)
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	KINGSLEY			KLMT	KLAMATH FALLS	OR (US)
DP	TEXTUAL DP		1	KS33	MADRAS	OR (US)
DP	CHISM (RNAV)			KHIO	PORTLAND	OR (US)
DP	CASCADE (RNAV)			KPDX	PORTLAND	OR (US)
DP	RIVER			KPDX	PORTLAND	OR (US)
DP	DESCHUTES (RNAV)			KS39	PRINEVILLE	OR (US)
DP	REDMOND TWO		6	KRDM	REDMOND	OR (US)
DP	SALEM			KSLE	SALEM	OR (US)
DP	TEXTUAL DP			KS21	SUNRIVER	OR (US)

QUALITY CHECKED

EN ROUTE	V121				(US)
EN ROUTE	V159				(US)
EN ROUTE	V165				(US)
EN ROUTE	V25				(US)
EN ROUTE	V269				(US)
EN ROUTE	V536				(US)
EN ROUTE	V595				(US)
IAP	RNAV (GPS) RWY 34	3	KBDN	BEND	OR (US)
IAP	RNAV (GPS) Y RWY 16	3	KBDN	BEND	OR (US)
IAP	RNAV (GPS) Z RWY 16		KBDN	BEND	OR (US)
IAP	VOR/DME RWY 16	1	KBDN	BEND	OR (US)
IAP	RNAV (GPS) RWY 34	5	KS33	MADRAS	OR (US)
IAP	NDB RWY 10		KS39	PRINEVILLE	OR (US)
IAP	RNAV (GPS) RWY 10	2	KS39	PRINEVILLE	OR (US)
IAP	RNAV (GPS) RWY 28	2	KS39	PRINEVILLE	OR (US)
IAP	ILS OR LOC RWY 22		KRDM	REDMOND	OR (US)
IAP	RNAV (GPS) Y RWY 28		KRDM	REDMOND	OR (US)
IAP	RNAV (GPS) Z RWY 28		KRDM	REDMOND	OR (US)
IAP	VOR-A		KRDM	REDMOND	OR (US)
IAP	VOR/DME RWY 22	1	KRDM	REDMOND	OR (US)
IAP	RNAV (GPS) RWY 18		KS21	SUNRIVER	OR (US)
IAP	VOR/DME RWY 18	4	KS21	SUNRIVER	OR (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE
UPDATED PAT 5 HOLDING CRS INBOUND AND RAD/CRS/BRG, CHANGED FROM 014.13 TO 012.40.
UPDATED PAT 5 REMARKS, CONTROLLING OBST LIES IN SECONDARY, CHANGED FROM 2732 FT TO 7170 FT INTO SECONDARY.

DEVELOPED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZSE
ATC FACILITY: RDM ATC
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GASHE **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 445902.48N/1211212.30W **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	NEWBERG	UBG	VOR/DME	H	084.76	105.76	78.52	78.52		10000	17500
2	KLICKITAT	LTJ	VOR/DME	H	164.70	185.70	44.00	44.00		6500	17500
3	KIMBERLY	IMB	VORTAC	H	268.07	288.07		66.82		9200	17500
4	DESCHUTES	DSD	VORTAC	H	347.65	005.65	44.09	44.09		7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UBG	VOR/DME	R-085	79	10000	17500
LTJ	VOR/DME	R-165	44	6500	17500
IMB	VORTAC	R-268	67	9200	17500
DSD	VORTAC	R-348	45	7000	17500

FIX RESTRICTIONS:
MRA ALL 10000

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	SE		WP	156.83	336.83	R		7	7000	14000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	445633.50N/1211133.30W	4680	6A
1	310	AAO	445633.50N/1211133.30W	4680	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	224

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 34	KS33	MADRAS	OR (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V25	2, 4				OR (US)
EN ROUTE	V500	1, 3				OR (US)
IAP	RNAV (GPS) RWY 34		1	KS33	MADRAS	OR (US)
IAP	RNAV (GPS) RWY 28			KS39	PRINEVILLE	OR (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED RAD/CRS/BRG AND COURSE INBOUND, CHANGED FROM 157.03/337.03 TO 156.83/336.83.
UPDATED FIX USE.
UPDATED ESV BLOCK, ADDED ESV'S FOR LTJ VOR/DME AND DSD VORTAC.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JUVET **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 443506.27N/1210912.27W **TYPE:** WP

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

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

REMARKS:
GIYRE RENAMED TO JUVET.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 34			KS33	MADRAS	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
GIYRE RENAMED TO JUVET DUE TO FIX MOVING 1.5 NM TO THE SOUTH, FIX COORDINATES UPDATED.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUDTO **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 444206.25N/1210912.16W **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) RWY 34			KS33	MADRAS	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED FIX COORDINATES, FIX MOVED 0.50 NM NORTH.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUREX **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 443005.31N/1210912.34W **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) RWY 34			KS33	MADRAS	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED FIX COORDINATES, FIX MOVED 0.68 NM NORTH.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY: AMGR
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YUDUB **STATE:** OR **COUNTRY:** US

LATITUDE/LONGITUDE: 442705.32N/1210912.38W **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) RWY 34			KS33	MADRAS	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED FIX COORDINATES, FIX MOVED 0.81 NM NORTH.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MADRAS** STATE: **OR**

AIRPORT NAME: **MADRAS MUNICIPAL** ID: **KS33**

PROCEDURE: **RNAV (GPS) RWY 34** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.43**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **000.01**
4. High Terrain in **FINAL** segment containing 1000' point **2904**
5. Distance from **THLD** to 1500' point **9.74**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **2.0**
7. True Course of **INTERMEDIATE** segment containing 1500' point **000.01**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **4013**
9. Threshold Coordinates (if straight-in) ... **443936.26N** / **1210912.20**
10. ARP Coordinates ..... **444012.60N** / **1210918.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **34**
    Distance **0.61** NM
12. FAF Coordinates ..... **443317.31N** / **1210912.29W**
    (Click to Select)

REMARKS: Approach/Drawing attached.