Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 05/05/2010	Task #: 2008041414764706001	Request #: 20080414147647
Procedure: ILS OR LOC RWY 9R AMDT 12		Airport ID: KMLB	Airport: MELBOURNE INTL		Reimbursable #:
City: MELBOURNE	ST: FL	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: Proc-A	Specialist: MICHAEL DOJCAK			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/03/2012	06/22/2012	STEVEN SZUKALA	P1
QA:	06/22/2012	06/22/2012	STEVEN SZUKALA	
Liaison:	06/22/2012		Spurlin	P1 - MAG VAR HARD DATE

Procedure Comments: ENROUTE **Remark Type:** INFORMATION Pkg 7 of 9

MELBOURNE, FL MELBOURNE INTL (KMLB) ILS OR LOC RWY 9R AMDT 12 ENROUTE - YES FC BY: 9.20.12 PUB DATE: 9.20.12
ATTACHED FORMS: 8260-3; 8260-9; 8260-2(S): CAPEN INT, REV 10; CFFGT, ORIG; FIBOP INT, REV 1; MLB VDME, REV 11; TRV VTAC, REV 16.
DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036/405.954.3636.

MAG VAR

ILS or LOC RWY 9R
MELBOURNE INTL (MLB)

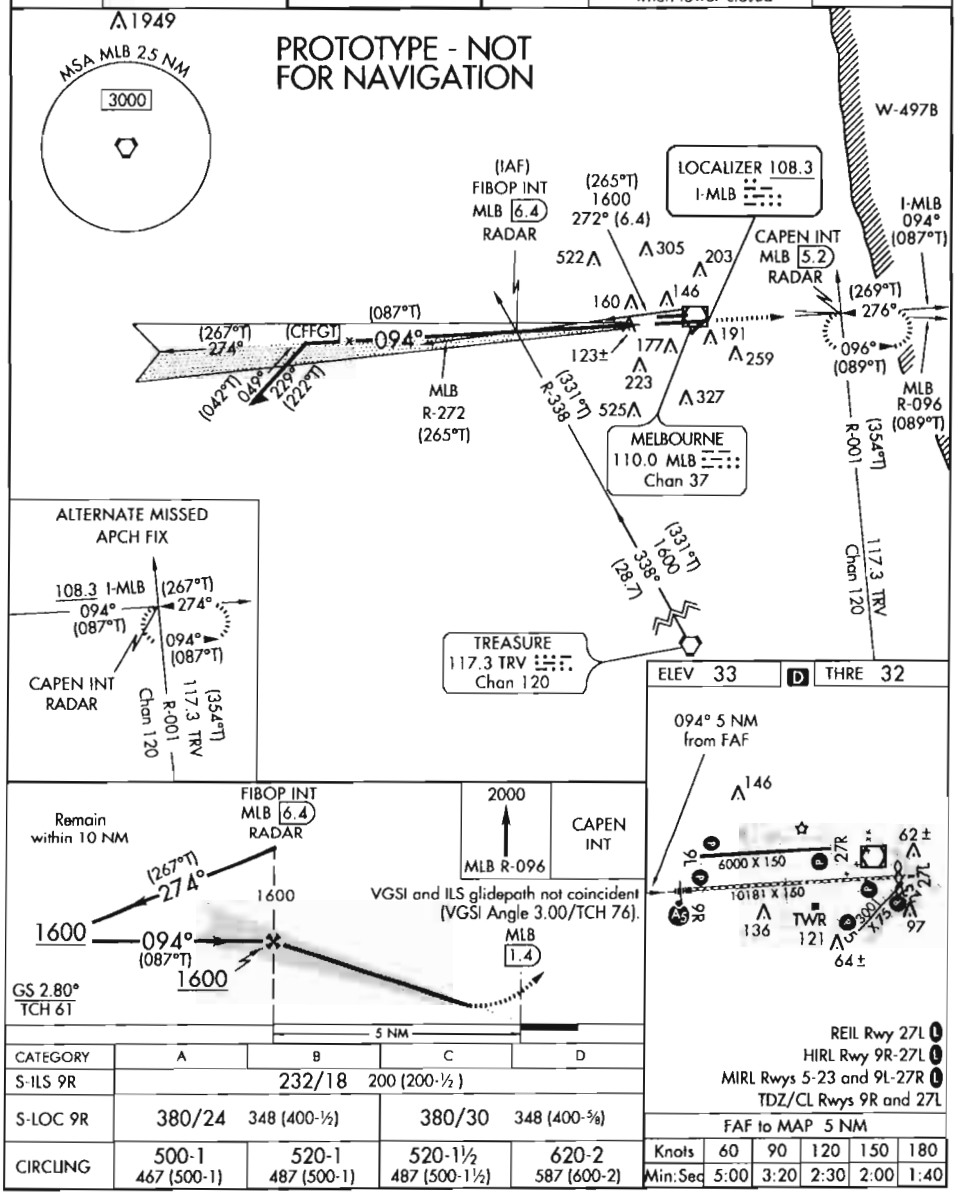
LOC I-MLB	APP CRS	Rwy ldg	10181
108.3	094°	THRE	32
		Apt Elev	33

For inop MALSR, increase S-LOC 9R Cats C and D visibility to RVR 6000.
DME or RADAR required.

MALSR

MISSED APPROACH: Climb to 2000 on MLB VOR/DME R-096 to CAPEN INT/MLB VOR/DME 5.2 DME/RADAR and hold.

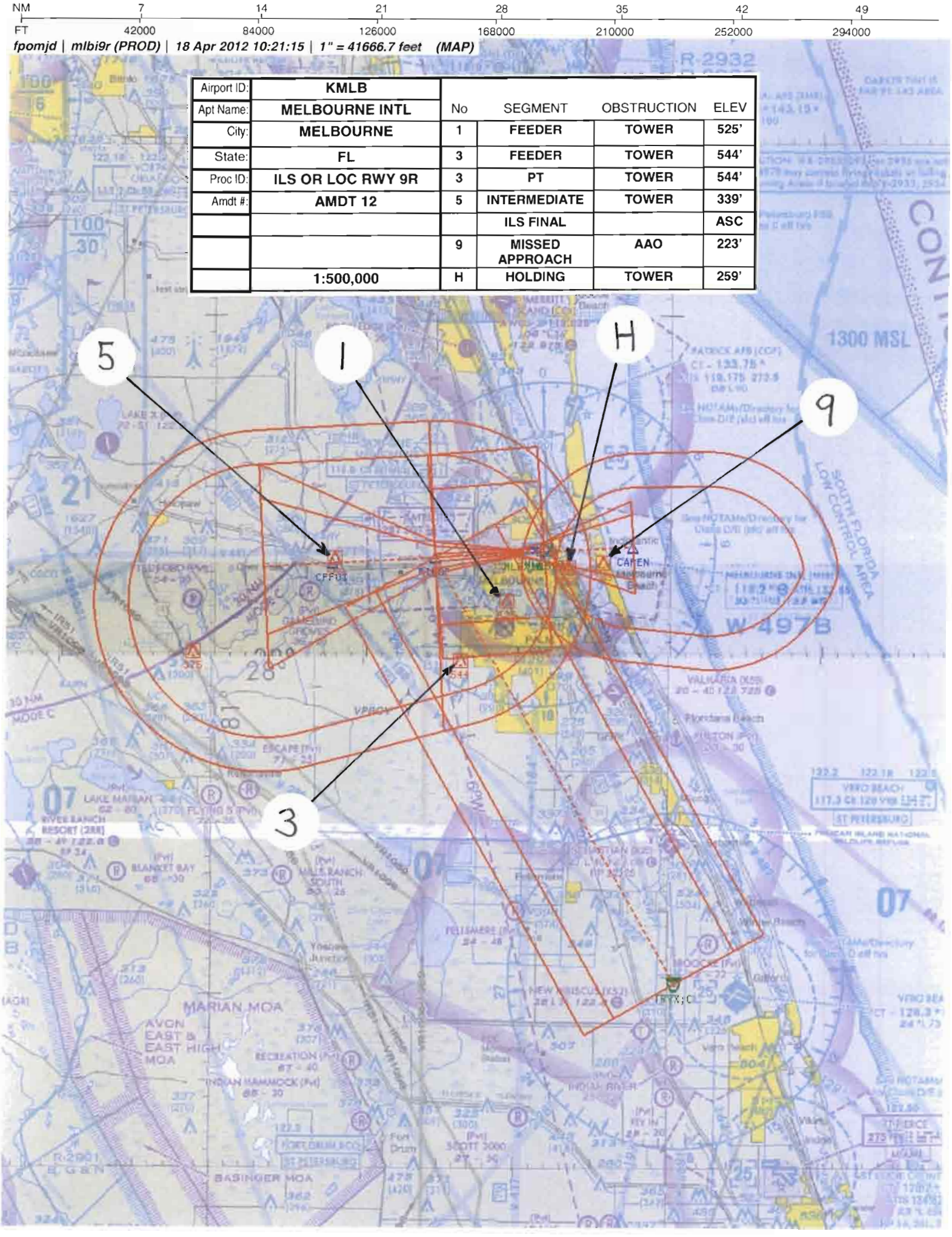
ATIS	ORLANDO APP CON	MELBOURNE TOWER *	GND CON	CLNC DEL	UNICOM
132.55	132.65 281.425	118.2 (CTAF) 257.8	121.9	121.9 132.65 *	122.95
				* when tower closed	



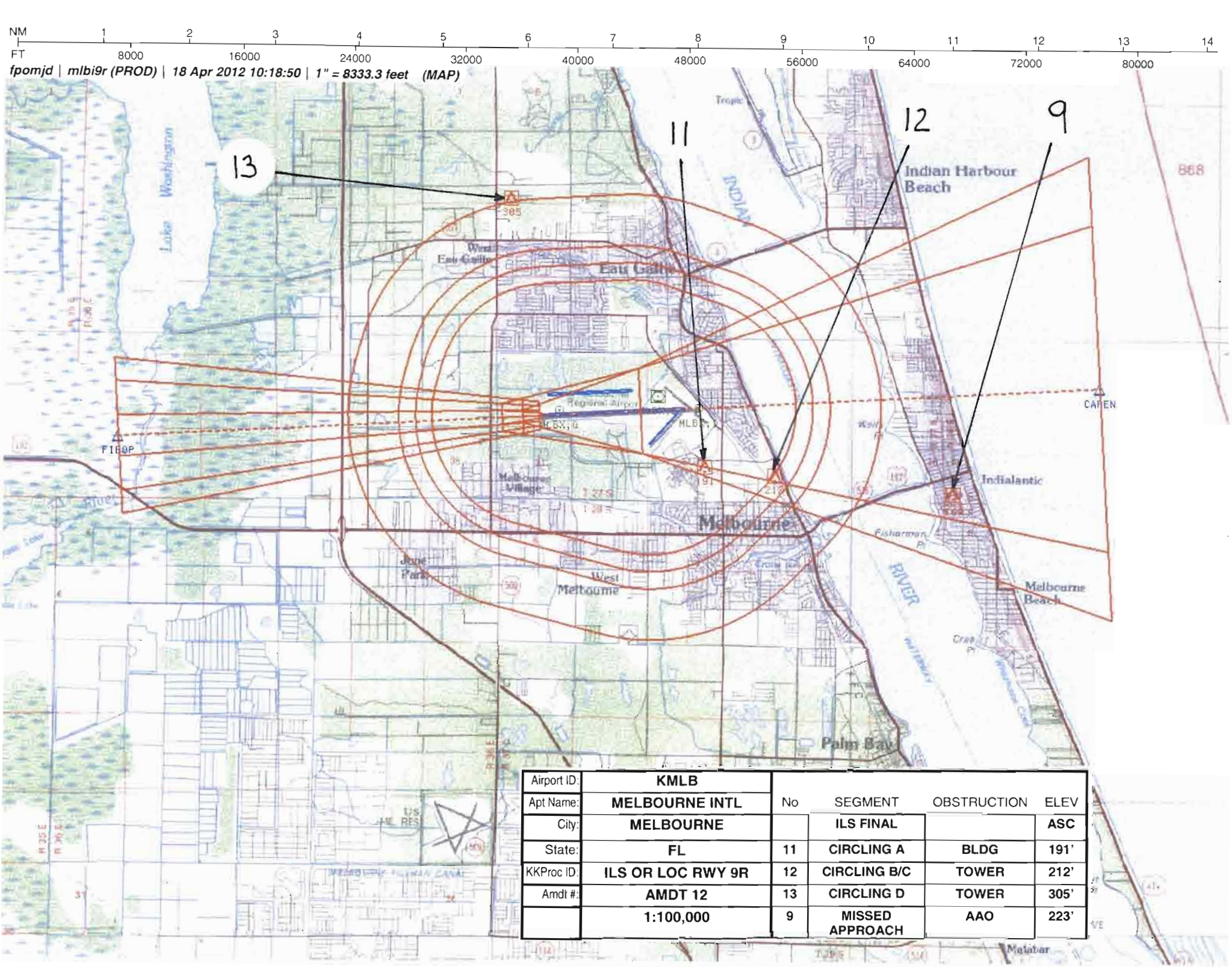
CATEGORY	A	B	C	D
S-ILS 9R	232/18 200 (200-½)			
S-LOC 9R	380/24 348 (400-½)		380/30 348 (400-⅝)	
CIRCLING	500-1 467 (500-1)	520-1 487 (500-1)	520-1½ 487 (500-1½)	620-2 587 (600-2)

FAF to MAP 5 NM

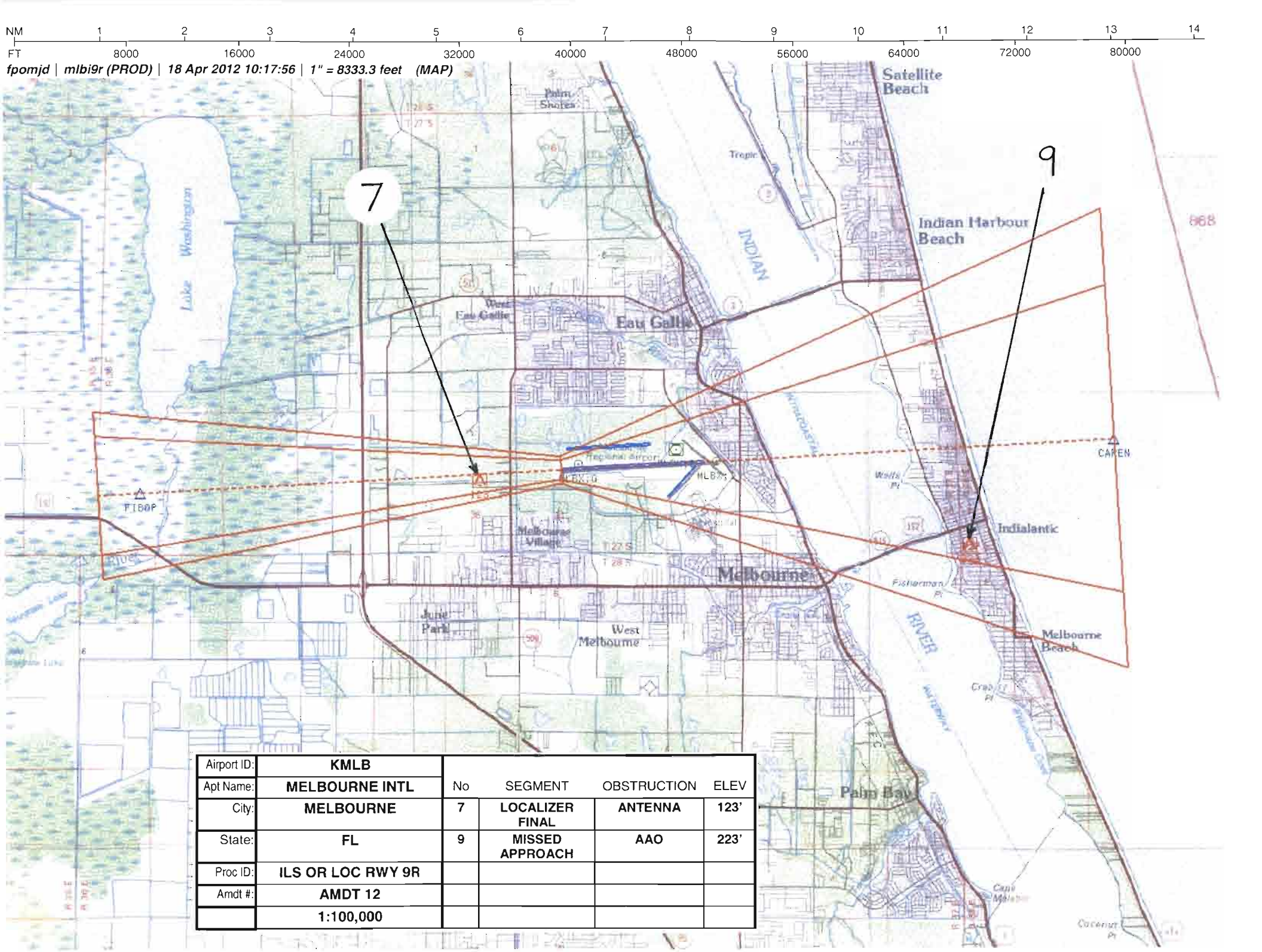
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40



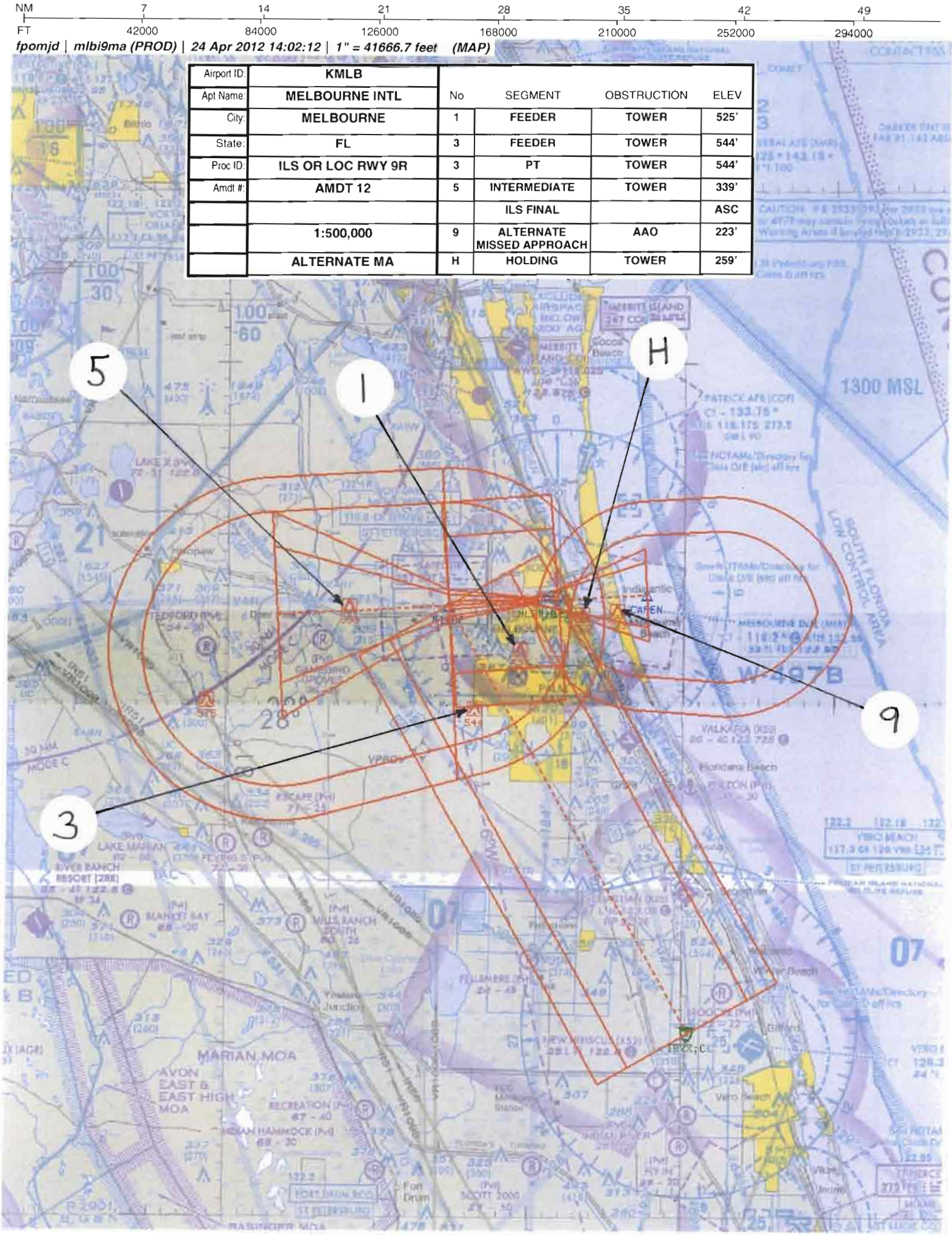
Airport ID:	KMLB				
Apt Name:	MELBOURNE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MELBOURNE	1	FEEDER	TOWER	525'
State:	FL	3	FEEDER	TOWER	544'
Proc ID:	ILS OR LOC RWY 9R	3	PT	TOWER	544'
Amdt #:	AMDT 12	5	INTERMEDIATE	TOWER	339'
			ILS FINAL		ASC
		9	MISSED APPROACH	AAO	223'
	1:500,000	H	HOLDING	TOWER	259'

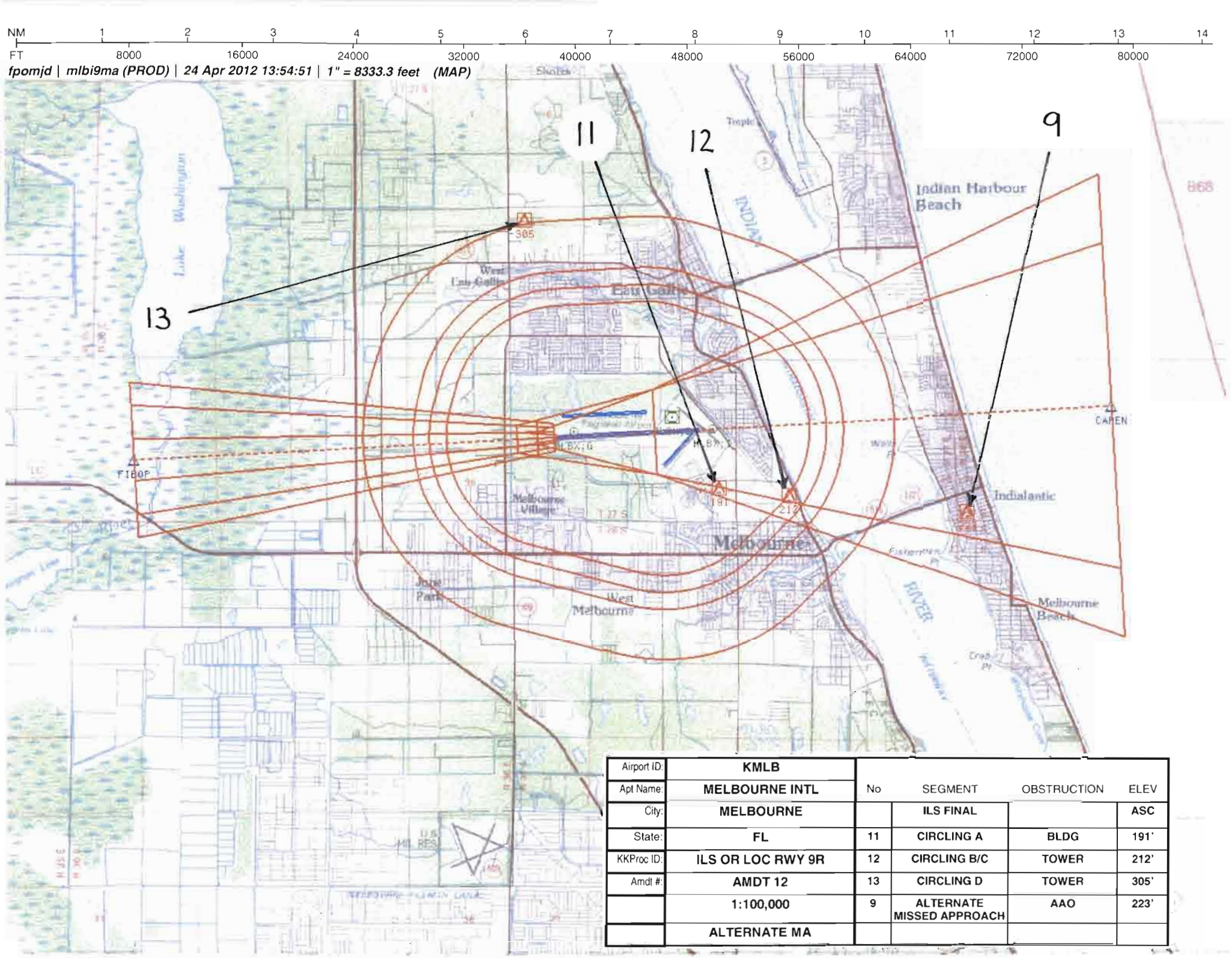


Airport ID:	KMLB	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	MELBOURNE INTL				
City:	MELBOURNE		ILS FINAL		ASC
State:	FL	11	CIRCLING A	BLDG	191'
KKProc ID:	ILS OR LOC RWY 9R	12	CIRCLING B/C	TOWER	212'
Amdt #:	AMDT 12	13	CIRCLING D	TOWER	305'
	1:100,000	9	MISSED APPROACH	AAO	223'

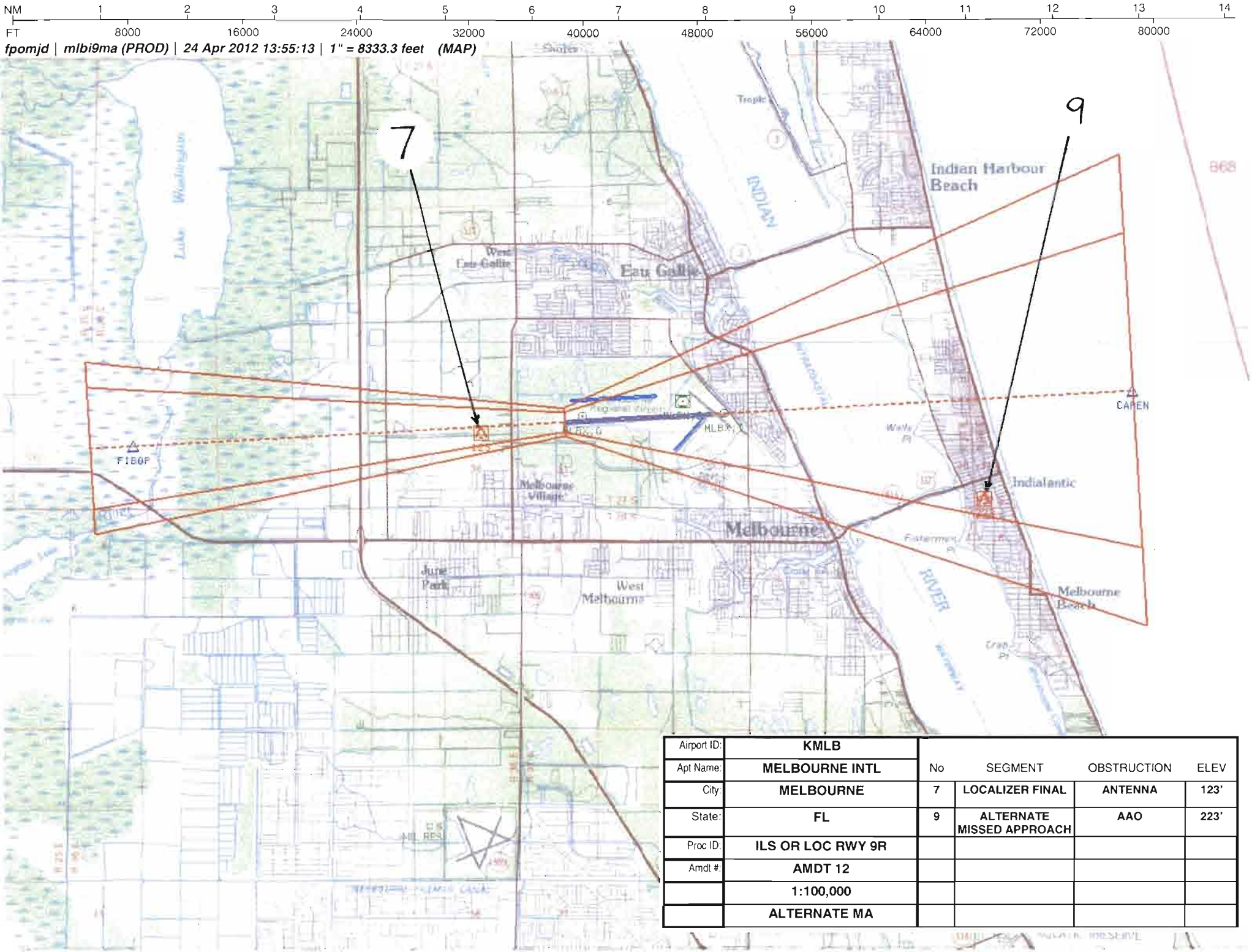


Airport ID:	KMLB	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	MELBOURNE INTL				
City:	MELBOURNE	7	LOCALIZER FINAL	ANTENNA	123'
State:	FL	9	MISSED APPROACH	AAO	223'
Proc ID:	ILS OR LOC RWY 9R				
Amdt #:	AMDT 12				
	1:100,000				


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpomjd | mlbi9ma (PROD) | 24 Apr 2012 14:02:12 | 1" = 41666.7 feet (MAP)
Airport ID: KMLB
Apt Name: MELBOURNE INTL
City: MELBOURNE
State: FL
Proc ID: ILS OR LOC RWY 9R
Amdt #: AMDT 12
1:500,000
ALTERNATE MA
No SEGMENT OBSTRUCTION ELEV
1 FEEDER TOWER 525'
3 FEEDER TOWER 544'
3 PT TOWER 544'
5 INTERMEDIATE TOWER 339'
ILS FINAL ASC
9 ALTERNATE MISSED APPROACH AAO 223'
H HOLDING TOWER 259'
5
1
H
9
3
1300 MSL
MARIAN MOA
AVON EAST & EAST HIGH MOA



Airport ID:	KMLB				
Apt Name:	MELBOURNE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MELBOURNE		ILS FINAL		ASC
State:	FL	11	CIRCLING A	BLDG	191'
KKProc ID:	ILS OR LOC RWY 9R	12	CIRCLING B/C	TOWER	212'
Amdt #:	AMDT 12	13	CIRCLING D	TOWER	305'
	1:100,000	9	ALTERNATE MISSED APPROACH	AAO	223'
	ALTERNATE MA				



Airport ID:	KMLB				
Apt Name:	MELBOURNE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MELBOURNE	7	LOCALIZER FINAL	ANTENNA	123'
State:	FL	9	ALTERNATE MISSED APPROACH	AAO	223'
Proc ID:	ILS OR LOC RWY 9R				
Amdt #:	AMDT 12				
	1:100,000				
	ALTERNATE MA				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MLB VOR/DME	FIBOP INT/MLB VOR/DME 6.37 DME/RADAR	272.41 / 6.37	1600
TRV VORTAC	FIBOP INT/MLB VOR/DME 6.37 DME/RADAR	337.66 / 28.73	1600

MISSED APPROACH

ILS: DA
LOC: 4.99 MILES AFTER FIBOP INT/MLB 6.37 DME/RADAR OR AT MLB VOR/DME 1.39 DME FIX

CLIMB TO 2000 ON MLB VOR/DME R-096 TO CAPEN INT/MLB VOR/DME 5.18 DME/RADAR AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2000 ON I-MLB LOCALIZER E COURSE (094) TO CAPEN INT/RADAR AND HOLD E, LT, 273.89 INBOUND.

ADDITIONAL FLIGHT DATA:
HOLD E, LT, 275.71 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CAPEN INT/RADAR, LT, 273.89 INBOUND.
CHART FAS OBST: 123 ANT 280552N/0804046W
CHART W-497B.
CHART IN PLANVIEW: (CFFGT) AT 280528.06N/0805204.62W

1. PT L SIDE OF COURSE 273.88 OUTBOUND 1600 FT WITHIN 10 MILES OF FIBOP (IAF)
2.
3. FAC: 093.88 FAF: FIBOP/MLB VOR/DME 6.37 DME/RADAR DIST FAF TO MAP: 4.99 THLD: 4.99
4. MIN. ALT: FIBOP 1600
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1250
6. MIN GS INCPT: 1600 GS ALT AT: FIBOP 1600 OM: - MM: - IM: -
7. GS ANGLE: 2.80 TCH: 61.1
8. MSA FROM: MLB VOR/DME 3000

MAG VAR: 7W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD | LOC: STANDARD

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
S-ILS 9R	232	1800	200	232	1800	200	232	1800	200	232	1800	200			
S-LOC 9R	380	2400	348	380	2400	348	380	3000	348	380	3000	348			
CIRCLING	500	1	467	520	1	487	520	1 1/2	487	620	2	587			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 9R CATS C AND D VISIBILITY TO RVR 6000.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 33 THRE: 32 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MELBOURNE, FL	MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12, 09/20/2012	AMDT: 11
				DATED 08/03/2006

QUALITY CHECK 3

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		09/20/2012

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] MLB ATCT, ORL APP CON, ZJX.

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
MICHAEL DOJCAK	AJV-352	04/20/2012

APPROVED BY

NAME:		FIFO	DATE:
DARRYEL ADAMS	MANAGER	AJV-352	

CHANGES:

1. TERMINAL ROUTE MLB VOR/DME TO FIBOP INT COURSE AMENDED FROM 267.41 TO 272.41.
2. VRB VORTAC UPDATED TO TRV VORTAC
3. TERMINAL ROUTE TRV VORTAC TO FIBOP INT COURSE AMENDED FROM 334.65 TO 337.66.
4. PROCEDURE TURN OUTBOUND COURSE AMENDED FROM 269.88 TO 273.88.
5. FINAL APPROACH COURSE AMENDED FROM 089.88 TO 093.88.
6. PRIMARY AND ALTERNATE MISSED APPROACH INSTRUCTIONS AMENDED.
7. PRIMARY MISSED APPROACH HOLDING COURSE INBOUND AMENDED FROM 270.71 TO 275.71.
8. ALTERNATE MISSED APPROACH HOLDING COURSE INBOUND AMENDED FROM 269.89 TO 273.89.
9. ADDITIONAL FLIGHT DATA NOTES; DO NOT CHART ALTERNATE MISSED APPROACH HOLDING PATTERN, CHART TDZE: 32 AND CHART AIRPORT ELEV: 33 REMOVED.
10. ADDED A CNF AND THE ASSOCIATED NOTE; CHART IN PLANVIEW: (CFFGT) AT 280528.06N/0805204.62W TO ADDITIONAL FLIGHT DATA.
11. ADDED NOTE; CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E CAPEN INT/MLB VOR/DME 5.18 DME/RADAR, LT, 273.89 INBOUND TO ADDITIONAL FLIGHT DATA.
12. UPDATED S-LOC 9R CAT C VIS FROM RVR 2400 TO RVR 3000 AND CAT D VIS FROM RVR 4000 TO RVR 3000.
13. LOWERED CIRCLING CAT B AND C MDA FROM 580 TO 520 AND HAA FROM 547 TO 487.
14. ADDED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 9R CATS C AND D VISIBILITY TO RVR 6000.

REASONS:

1. MLB VOR/DME MAGVAR UPDATE FROM 2W TO 7W.
2. FACILITY NAME CHANGE PER EST FPT AND MEMORANDUM DTD 05/10/2011.
3. MAGVAR UPDATE FROM VRB 4W TO TRV 7W.
4. I-MLB MAGVAR UPDATE FROM 3W TO 7W.
5. I-MLB MAGVAR UPDATE FROM 3W TO 7W.
6. PER CRITERIA AND MAGVAR UPDATES.
7. MLB VOR/DME MAGVAR UPDATE FROM 2W TO 7W.
8. I-MLB MAGVAR UPDATE FROM 3W TO 7W.
9. NOT REQUIRED.
10. PER CRITERIA FOR CODING.
11. PER CURRENT CRITERIA AND POLICY.
12. EVALUATED TO CURRENT CRITERIA AND DATA.
13. EVALUATED TO CURRENT OBSTACLE DATA.
14. PER CRITERIA.

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAPEN K70    R     N28062590W080321594                    W0064     NAR           CAPEN
        SUSAEAENRT   CFFGT K70    W     N28052806W080520462                    W0061     NAR           CNF(CFFGT)
        SUSAEAENRT   FIBOP K70    R     N28054815W080451821                    W0062     NAR           FIBOP

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7AMLB     0     101YHN28060991W080384293W007000033         1800018000C    MNAR    MELBOURNE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7FI09R  AMLB   010MLB  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMLBK7FI09R  AMLB   020FIBOPK7EA0E       TF                                     + 01600                          0 NS
        SUSAP KMLBK7FI09R  AMLB   030FIBOPK7EA0EE AR   PI MLB K7      2724006422890100D   + 01600                          0 NS
        SUSAP KMLBK7FI09R  ATRV   010TRV  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMLBK7FI09R  ATRV   020FIBOPK7EA0E       TF                                     + 01600                          0 NS
        SUSAP KMLBK7FI09R  ATRV   030FIBOPK7EA0EE AR   PI MLB K7      2724006422890100D   + 01600                          0 NS
        SUSAP KMLBK7FI09R  I      010CFFGTK7EA0E  I    IF IMLBK7      27390128        PI  J 016000160018000                 0 NS
        SUSAP KMLBK7FI09R  I      020FIBOPK7EA0E  F    CF IMLBK7      2739006809400060PI  H 0160001600        -280MLB   K7D 0 NS
        SUSAP KMLBK7FI09R  I      030RW09RK7PG0GY M    CF IMLBK7      2739001809400050PI    00093             -280          0 NS
        SUSAP KMLBK7FI09R  I      040CAPENK7EA0EYM     CF MLB K7      0957005209570070D   + 02000                          0 NS
        SUSAP KMLBK7FI09R  I      050CAPENK7EA0EE  L   HM                      2757T010    + 02000                          0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KMLBK7GRW09R   0101810939 N28060461W080394008-0100    -0018600032000061150IIMLB1

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

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12	AMDT: 11
				DATED: 08/03/2006

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:

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MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7SMLB  K7D              0   18018003025                                                                      M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12	AMDT: 11
				DATED: 08/03/2006

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:

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 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MLB	MLB	010		IF		FB					
	MLB	FIBOP	020		TF		FB				AA 01600	
	MLB	FIBOP	030	IAF	PI	R	FB		228.9()	010.0	AA 01600	
	TRV	TRV	010		IF		FB					
	TRV	FIBOP	020		TF		FB				AA 01600	
	TRV	FIBOP	030	IAF	PI	R	FB		228.9()	010.0	AA 01600	
		CFFGT	010	FACF	IF		FB				AA 01600 GI 01600	
		FIBOP	020	FAF	CF		FB		094.0()	006.0	GI 01600 GS 01600	
		RW09R	030	MAP	CF		FO		094.0()	005.0	AT 00093	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAPEN	040		CF		FO		095.7()	007.0	AA 02000	
	CAPEN	050		HM	L	FO		275.7()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	TRV	N274042.33	W0802923.01	N2740.706	W08029.384
	CAPEN	N280625.90	W0803215.94	N2806.432	W08032.266
	CFFGT	N280528.06	W0805204.62	N2805.468	W08052.077
	FIBOP	N280548.15	W0804518.21	N2805.803	W08045.304
	RW09R	N280604.61	W0803940.08	N2806.077	W08039.668
	IMLB (LOC)	N280610.63	W0803735.40	N2806.177	W08037.590

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09R	00032	61

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12	AMDT: 11
				DATED: 08/03/2006

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

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:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

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 PACKET - 424-18 - LOC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAPEN K70    R     N28062590W080321594                      W0064     NAR           CAPEN
        SUSAEAENRT   CFFGT K70    W     N28052806W080520462                      W0061     NAR           CNF(CFFGT)
        SUSAEAENRT   FIBOP K70    R     N28054815W080451821                      W0062     NAR           FIBOP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7AMLB     0     101YHN28060991W080384293W007000033         1800018000C    MNAR    MELBOURNE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7FL09R  AMLB   010MLB  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMLBK7FL09R  AMLB   020FIBOPK7EA0E       TF                                     + 01600                          0 NS
        SUSAP KMLBK7FL09R  AMLB   030FIBOPK7EA0EE AR   PI MLB K7      2724006422890100D   + 01600                          0 NS
        SUSAP KMLBK7FL09R  ATRV   010TRV  K7D 0V       IF                                                18000                 0 NS
        SUSAP KMLBK7FL09R  ATRV   020FIBOPK7EA0E       TF                                     + 01600                          0 NS
        SUSAP KMLBK7FL09R  ATRV   030FIBOPK7EA0EE AR   PI MLB K7      2724006422890100D   + 01600                          0 NS
        SUSAP KMLBK7FL09R  L      010CFFGTK7EA0E  I    IF IMLBK7      27390128        PI  + 01600     18000                 0 NS
        SUSAP KMLBK7FL09R  L      020FIBOPK7EA0E  F    CF IMLBK7      2739006809400060PI  + 01600                MLB   K7D 0 NS
        SUSAP KMLBK7FL09R  L      030RW09RK7PG0GY M    CF IMLBK7      2739001809400050PI    00093            -285          0 NS
        SUSAP KMLBK7FL09R  L      040CAPENK7EA0EYM     CF MLB K7      0957005209570070D   + 02000                          0 NS
        SUSAP KMLBK7FL09R  L      050CAPENK7EA0EE  L   HM                     2757T010    + 02000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7GRW09R   0101810939 N28060461W080394008-0100    -0018600032000061150IIMLB1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7IIMLB1   010830RW09RN28061063W0803735400939N28060876W0803926361001 12500359280W00706100029

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12	AMDT: 11
				DATED: 08/03/2006

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

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:

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.

```
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7SMLB  K7D               0   18018003025                                                                          M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12	AMDT: 11
				DATED: 08/03/2006

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

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:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MLB	MLB	010		IF		FB					
	MLB	FIBOP	020		TF		FB				AA 01600	
	MLB	FIBOP	030	IAF	PI	R	FB		228.9()	010.0	AA 01600	
	TRV	TRV	010		IF		FB					
	TRV	FIBOP	020		TF		FB				AA 01600	
	TRV	FIBOP	030	IAF	PI	R	FB		228.9()	010.0	AA 01600	
		CFFGT	010	FACF	IF		FB				AA 01600	
		FIBOP	020	FAF	CF		FB		094.0()	006.0	AA 01600	
		RW09R	030	MAP	CF		FO		094.0()	005.0	AT 00093	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CAPEN	040		CF		FO		095.7()	007.0	AA 02000	
	CAPEN	050		HM	L	FO		275.7()	T01.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	TRV	N274042.33	W0802923.01	N2740.706	W08029.384
	CAPEN	N280625.90	W0803215.94	N2806.432	W08032.266
	CFFGT	N280528.06	W0805204.62	N2805.468	W08052.077
	FIBOP	N280548.15	W0804518.21	N2805.803	W08045.304
	RW09R	N280604.61	W0803940.08	N2806.077	W08039.668
	IMLB (LOC)	N280610.63	W0803735.40	N2806.177	W08037.590

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09R	00032	61

QUALITY CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 32	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: **MELBOURNE INTL**	**I-MLB**	**ILS OR LOC RWY 9R, AMDT 12**	AMDT: **11**
				DATED: **08/03/2006**

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

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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	MLB VOR/DME	FIBOP INT/MLB	1. TOWER (12-002052)	280250.00N/0804033.00W	525 (5D)	1000		1600
		VOR/DME 6.37	2. TERRAIN	280915.00N/0804021.00W	53 (100)		AS1500	1600
		DME/RADAR						
FEEDER	TRV VORTAC	FIBOP INT/MLB	3. TOWER (12-001916)	275920.00N/0804334.00W	544 (5D)	1000		1600
		VOR/DME 6.37	4. TERRAIN	280215.00N/0803836.00W	46 (0)		AS1500	1500
		DME/RADAR						
INTERMEDIATE: PT	10 NM	FIBOP INT/MLB	5. TOWER (12-003950)	280520.00N/0805151.00W	339 (1A)	500	AT761	1600
		VOR/DME 6.37	6. TERRAIN	280900.00N/0805648.00W	89 (100)		AS1500	1600
		DME/RADAR						
FINAL: ILS	FIBOP INT/MLB	RW09R				ASC		232/200
	VOR/DME 6.37							
	DME/RADAR							
2. PROCEDURE TURN	FIBOP	10 NM	3. TOWER (12-001916)	275920.00N/0804334.00W	544 (5D)	1000		1600
			8. TERRAIN	280618.00N/0810448.00W	105 (100)		AS1500	1600
3. MISSED APPROACH MAP:	DA / 4.99 MILES	CAPEN INT/MLB				ASC		2000
	AFTER FIBOP	VOR/DME 5.18	9. AAO	280506.00N/0803412.00W	223 (4E)	1000		1300
ELEV:	64/130		10. TERRAIN	280624.00N/0803842.00W	37 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	467	11. BLDG (12-002246)	280524.00N/0803730.00W	191 (1A)	300		500
CATEGORY B	1.5 NM	450	487	12. TOWER (12-003336)	280518.43N/0803634.62W	212 (1A)	300		520
CATEGORY C	1.7 NM	450	487	12. TOWER (12-003336)	280518.43N/0803634.62W	212 (1A)	300		520
CATEGORY D	2.3 NM	550	587	13. TOWER (12-003622)	280833.00N/0804005.00W	305 (1A)	300		620
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **MLB VOR/DME**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004140)	304/ 23.1	1949 (2C)	3000					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MELBOURNE, FL	ELEVATION: 33 AIRPORT NAME: MELBOURNE INTL	I-MLB	ILS OR LOC RWY 9R, AMDT 12, 09/20/2012	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ORL APP CON ZJX ARTCC MLB TOWER		N W S	OTHER: ASOS	SOURCE: KMLB
				DISTANCE:
	X	F A A		HOURS REMOTE OPERATION: 24
SATISFACTORY ON:		A / C		
X V H F X U H F H F	LOCATION: KMLB			ADJUSTMENT: 0

4. MONITOR STATUS		
PRIMARY NAVAID: I-MLB		
MONITOR POINT: MLB ATCT		
HRS OPTN:	CAT 1	24
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 09R (PCL)
X	HIRL 27L, 09R
X	MIRL 09L, 27R
X	REIL 27L (PCL)
X	TDZ 09R
X	C/L 27L, 09R
X	OTHER (SPECIFY) PAPI-2L 05, 23 PAPI-4L 09L, 27L, 09R, 27R

6. RUNWAY MARKINGS	
BASIC	BSC-G 09L, 05, 23, 27R
ALL WEATHER	PIR-F 27L, 09R
INSTRUMENT	

7. RUNWAY VISUAL RANGE	
APPROACH	09R
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE: 2.80		ELEV RWY THRESHOLD: 31.6
DISTANCE FROM RWY: 1250		ELEV GP ANTENNA: 31.6
		THRESHOLD CROSSING HEIGHT: 61.1

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: 1

ORDER 8260.3B, VOLUME 3, PARAGRAPH 2.6.1B; TO RETAIN THE EXISTING GLIDEPATH ANGLE OF 2.80 DEGREES AND TCH OF 61.1 FEET. IT IS COST PROHIBITIVE TO MOVE THE REQUIRED EQUIPMENT OR THRESHOLD TO ACHIEVE A 60.0 FOOT TCH.

PART D - PREPARED BY:	DATE:
MICHAEL DOJCAK	04/20/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

DUE TO THE EXCESSIVE COSTS REQUIRED TO REPOSITION THE NECESSARY EQUIPMENT OR THRESHOLD, A 61.1 FOOT TCH AND 2.80 DEGREE GLIDEPATH ANGLE WERE RETAINED PER FPT AND AIRPORT MANAGEMENTS REQUEST. AN AFS-400 APPROVED WAIVER FOR A 61.1 FOOT TCH DATED 01/03/2005 AND AN APPROVAL LETTER FOR A 2.80 DEGREE GLIDEPATH ANGLE DATED 02/14/2005 ARE ON FILE.

WAIVER: FAAO 8260.3B VOL 3 PARA 2.6.1B TO RETAIN THE EXISTING GLIDEPATH ANGLE OF 2.80 DEGREES AND TCH OF 61.1 FEET. IT IS COST PROHIBITIVE TO MOVE THE REQUIRED EQUIPMENT OR THRESHOLD TO ACHIEVE A 60.0 FOOT TCH.

SEE ATTACHED AIRSPACE LETTER.

RASS ADJUSTMENT NOT REQUIRED - REDUNDANT ALTIMETER SOURCE (LAWRS) ON FIELD.

BLOCK 3: KMLB/KMLB; DISTANCE: ON AFLD/ON AFLD; HOURS REMOTE OPERATION: NA; ADJUSTMENT: NA; KMLB IS ON SERVICE A.

BLOCK 4: PER FPT, DURING PERIODS OF ATCT CLOSURE, ILS IS MONITORED AND ATTENDED FOR 24 HOUR COVERAGE.

VGSI DATA: 3.00/76.

ILS AND LOC INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLE.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LOC	**FIBOP INT/MLB**	**4.99 MILES AFTER**	**7. ANT (KMLB0038)**	**280552.26N/0804045.52W**	**123 (1A)**	**250**		**380**
	VOR/DME 6.37	**FIBOP INT/MLB**						
	DME/RADAR	**6.37 DME/RADAR**						
		OR AT MLB						
		VOR/DME 1.39						
		DME FIX						
3. MISSED APPROACH	MAP:							
	ELEV:							

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MELBOURNE, FL	**ELEVATION: 33** AIRPORT NAME: **MELBOURNE INTL**	**I-MLB**	**ILS OR LOC RWY 9R, AMDT 12**	**ASO**

PART B - SUPPLEMENTAL DATA							
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING	
SATISFACTORY ON:				N W S	OTHER:	SOURCE:	
				F A A		DISTANCE:	
				A / C		HOURS REMOTE OPERATION:	
V H F	U H F	H F	LOCATION:			ADJUSTMENT:	

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT:		
	HRS OPTN:	CAT 1	
		CAT 3	
5. APPROACH & RUNWAY LIGHTING		**ALS**	
		(S) SALS	
		MALS	
		HIRL	
		MIRL	
		REIL	
		TDZ	
		C/LINE	
		OTHER (SPECIFY)	
6. RUNWAY MARKINGS	BASIC		
	ALL WEATHER		
	INSTRUMENT		
7. RUNWAY VISUAL RANGE	APPROACH		
	MIDFIELD		
	ROLL OUT		
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:	
	DISTANCE FROM RWY:	ELEV GP ANTENNA:	
		THRESHOLD CROSSING HEIGHT:	
9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: CAPEN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280625.90N/0803215.94W **TYPE:** RADAR, 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	MELBOURNE	I-MLB	LOC		093.89	086.89		4.72	28651	1700	4500
2	MELBOURNE	MLB	VOR/DME	L	095.71	088.71	5.18	5.18		1700	6000
3	TREASURE	TRV	VORTAC	H	001.33	354.33		25.78		1700	6000

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	E	I-MLB	LOC	093.89	273.89	L	1		1700	4500	4	6
2	E	MLB	VOR/DME	095.71	275.71	L	1		1700	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-000555)	280449.73N/0803629.22W	259	1A
2	200	TOWER (12-000555)	280449.73N/0803629.22W	259	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
TREASURE (FAC 3) AND MELBOURNE (FAC 2) USED TO ESTABLISH FIX COORDINATES
RADAR FIX ON LOC FINAL APPROACH COURSE, 5.71 NM FROM KMLB ARP
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
KMLB R27L DISPLACED THRESHOLD COORDINATES 280609.71N-0803754.36W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MELBOURNE	1, 3		KMLB	MELBOURNE	FL (US)
IAP	ILS OR LOC RWY 9R	1, 2, 3	2	KMLB	MELBOURNE	FL (US)
IAP	ILS OR LOC RWY 9R (ALT MA)	1, 3	1	KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L	1, 2, 3	1	KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FAC 1 MAG BRG AMENDED FROM 089.89 TO 093.89, ADDED DIST FROM FACILITY 4.72 NM AND 28,651 FT AND RAISED MRA FROM 1000 TO 1700.
FAC 2 MAG BRG AMENDED FROM 090.71 TO 095.71, ADDED DIST FROM FACILITY 5.18 NM AND RAISED MRA FROM 1000 TO 1700.
FAC 3 NAME AND IDENT CHANGED FROM VERO BEACH TO TREASURE, TRUE BRG CHANGED FROM 354.31 TO 354.33, MAG BRG FROM 358.31 TO 001.33, ADDED DIST FROM FACILITY 25.78 NM AND RAISED MRA FROM 1000 TO 1700.
REMOVED FAC 4 KMLB R27L INFORMATION.
PAT 1 RAD/CRS/BRG CHANGED FROM 089.89 TO 093.89 AND CRS INBOUND FROM 269.89 TO 273.89.
PAT 2 RAD/CRS/BRG CHANGED FROM 090.71 TO 095.71, CRS INBOUND FROM 270.71 TO 275.71, REMOVED 4 DME FROM LEG LENGTH AND RAISED MIN HOLDING ALTITUDE FROM 1500 TO 1700.
PAT 1 AND 2 CONTROLLING OBSTRUCTION, COORDINATES AND ELEVATION DATA UPDATED.
PAT 2 AIRSPEED CHANGED FROM 265 TO 200.
PAT 2 ATC REQUEST ADDED TO REASON FOR NONSTANDARD HOLDING.
HOLDING LIMITED TO ESTABLISHED PATTERN MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED REMARK: TREASURE (FAC 3) AND MELBOURNE (FAC 2) USED TO ESTABLISH FIX COORDINATES, PRECIPITOUS TERRAIN EVALUATION COMPLETED AND KMLB R27L DISPLACED THRESHOLD COORDINATES 280609.71N-0803754.36W.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 03/29/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

QUALITY
3

RADIO FIX AND HOLDING DATA RECORD

NAME: CFFGT **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280528.06N/0805204.62W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R			KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/10/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

QUALITY

RADIO FIX AND HOLDING DATA RECORD

NAME: FIBOP **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280548.15N/0804518.21W **TYPE:** RADAR, 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	MELBOURNE	I-MLB	LOC		273.89	266.89		6.83	41511	1600	4500
2	MELBOURNE	MLB	VOR/DME	L	272.41	265.41	6.37	6.37		1600	17500
3	TREASURE	TRV	VORTAC	H	337.66	330.66	28.73	28.73		1600	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	W	I-MLB	LOC	273.88	093.88	R	1		1600	4500	4	6
2	W	MLB	VOR/DME	272.41	092.41	R	1		1600	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002689)	280813.30N/0804211.80W	522	2C
2	200	TOWER (12-002689)	280813.30N/0804211.80W	522	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
MELBOURNE (FAC 1) AND TREASURE (FAC 3) USED TO ESTABLISH FIX COORDINATES
RADAR FIX ON ILS FINAL APPROACH COURSE, 5.84 NM FROM KMLB ARP.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1, 2, 3		KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L	1, 2, 3	2	KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L (ALT MA)	1, 3	1	KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FAC 1 TRUE BRG AMENDED FROM 266.88 TO 266.89, MAG BRG FROM 269.88 TO 273.89, ADDED DIST FROM FACILITY 6.83 NM AND 41,511 FT AND RAISED MRA FROM 1500 TO 1600.
FAC 2 MAG BRG AMENDED FROM 267.41 TO 272.41, ADDED DIST FROM FACILITY 6.37 NM AND RAISED MRA FROM 1500 TO 1600.
FAC 3 NAME AND IDENT CHANGED FROM VERO BEACH TO TREASURE, TRUE BRG CHANGED FROM 330.65 TO 330.66, MAG BRG FROM 334.65 TO 337.66, ADDED DME AND DIST FROM FACILITY 28.73 NM AND RAISED MRA FROM 1500 TO 1600.
REMOVED FAC 4 KMLB R09R INFORMATION.
PAT 1 RAD/CRS/BRG CHANGED FROM 269.88 TO 273.88 AND CRS INBOUND FROM 089.88 TO 093.88.
PAT 2 RAD/CRS/BRG CHANGED FROM 267.41 TO 272.41, CRS INBOUND FROM 087.41 TO 092.41 AND REMOVED 4 DME LEG LENGTH.
PAT 1 AND 2 CONTROLLING OBSTRUCTION, COORDINATES AND ACCURACY CODE DATA UPDATED.
HOLDING LIMITED TO ESTABLISHED PATTERN MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED AND MELBOURNE (FAC 1) AND TREASURE (FAC 3) USED TO ESTABLISH FIX COORDINATES.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 03/29/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

QUALITY 3 CHECK

RADIO FIX AND HOLDING DATA RECORD

NAME: MELBOURNE VOR/DME **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280619.02N/0803807.22W **TYPE:**

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	MELBOURNE	MLB	VOR/DME	L							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	S	MLB	VOR/DME	195.00	015.00	L	1-1 1/2		3000	17500	12	20
2	W	MLB	VOR/DME	287.62	107.62	R	1		2100	6000	4	5
3	S		WP	198.00	018.00	L		5	3000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	TOWER (12-001916)	275920.00N/0804334.00W	544	5D
2	200	TOWER (12-002052)	280250.00N/0804033.00W	525	5D
3	200	TOWER (12-001916)	275920.00N/0804334.00W	544	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W497B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OCEAN			KCOF	COCOA BEACH	FL (US)
DP	RIVER			KCOF	COCOA BEACH	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	MALRY			KORL	ORLANDO	FL (US)
DP	SOAPS			KORL	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
EN ROUTE	V3					FL (US)
EN ROUTE	V437					FL (US)
EN ROUTE	V441					FL (US)
EN ROUTE	V492					FL (US)
IAP	VOR/DME RWY 2		1	KCOF	COCOA BEACH	FL (US)
IAP	ILS OR LOC RWY 9R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 27L		2	KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 9R		2	KMLB	MELBOURNE	FL (US)
IAP	NDB RWY 11			KCOI	MERRITT ISLAND	FL (US)
IAP	RNAV (GPS) RWY 11		3	KCOI	MERRITT ISLAND	FL (US)
IAP	VOR/DME GPS - A			KISM	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 22			KX26	SEBASTIAN	FL (US)
IAP	ILS OR LOC RWY 36			KTIX	TITUSVILLE	FL (US)
IAP	GPS RWY 33			KX21	TITUSVILLE	FL (US)
IAP	VOR RWY 11R			KVRB	VERO BEACH	FL (US)
IAP	VOR/DME RWY 29L			KVRB	VERO BEACH	FL (US)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFLL	FORT LAUDERDALE	FL (US)
STAR	ANNEY			KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	ANNEY			KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	ANNEY			K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	ANNEY			KMIA	MIAMI	FL (US)
STAR	BLUFI			KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)			KMIA	MIAMI	FL (US)
STAR	LONNI (RNAV)			KMIA	MIAMI	FL (US)
STAR	ANNEY			KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)			KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)
STAR	GOOFY			KMCO	ORLANDO	FL (US)

QUALITY 3 CHECKED

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FAC 1 ADDED.
PAT 1 RAD/CRS/BRG CHANGED FROM 190.00 TO 195.00 AND CRS INBOUND FROM 010.00 TO 015.00.
PAT 2 RAD/CRS/BRG CHANGED FROM 269.00 TO 287.62 AND CRS INBOUND FROM 089.00 TO 107.62, MAX ALTITUDE LOWERED FROM 10000 TO 6000 AND MAX TEMPLATE FROM 9 TO 5.
PAT 3 RAD/CRS/BRG CHANGED FROM 193.00 TO 198.00 AND CRS INBOUND FROM 013.00 TO 018.00.

DEVELOPED BY:	**DATE:** 03/09/2012	**OFFICE:** AJV-352	**NAME:** MICHAEL DOJCAK
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** DARRYEL ADAMS
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: ORL APP CON, MLB ATCT
OTHER: ZMA

QUALITY 3

RADIO FIX AND HOLDING DATA RECORD

NAME: TREASURE VORTAC **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 274042.33N/0802923.01W **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	FAC FEET	MRA	MAA
1	TREASURE	TRV	VORTAC	H							45000

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	TRV	VORTAC	347.04	167.04	L	1-1 1/2		10000	24000	4	19
2	N	TRV	VORTAC	348.00	168.00	R	1-1 1/2		2000	24000	4	19
3	NW	TRV	VORTAC	336.95	156.95	R	1		2000	6000	4	5
4	NW	TRV	VORTAC	303.00	123.00	R	1		2000	6000	4	5
5	N		WP	345.10	165.10	L		10	10000	16000	15	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
2	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
3	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
4	200	TOWER (12-003485)	274431.00N/0803923.00W	398	5D
5	230	TOWER (12-002803)	274408.00N/0802726.00W	524	5D

REASON FOR NONSTANDARD HOLDING:
PAT 5 ATC REQUEST
PAT 1 AVOID ADJACENT AIRSPACE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVAL COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B.
PAT 2 HOLDING ATC REQUEST.
PAT 4 ALTERNATE MISSED APPROACH HOLDING. (DO NOT CHART)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	MARLY			KORL	ORLANDO	FL (US)
DP	SOAPS			KORL	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	BR62V					(US)
EN ROUTE	J45					(US)
EN ROUTE	J79					(US)
EN ROUTE	V159					(US)
EN ROUTE	V225					(US)
EN ROUTE	V295					(US)
EN ROUTE	V3					(US)
EN ROUTE	V51					(US)
EN ROUTE	V537					(US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	NDB RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	NDB-A			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	VOR/DME RWY 14		3	KFPR	FORT PIERCE	FL (US)
IAP	ILS OR LOC RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 14			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 23			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	VOR RWY 11R			KVRB	VERO BEACH	FL (US)
IAP	VOR/DME RWY 29L			KVRB	VERO BEACH	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L		4	KPBI	WEST PALM BEACH	FL (US)

QUALITY 3 CHECKED

STAR	GOOFY		KX04	APOPKA	FL (US)
STAR	CAYSL (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFXE	FORT LAUDERDALE	FL (US)
STAR	SHFTY (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)		KHWO	HOLLYWOOD	FL (US)
STAR	GISSH		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	1	KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1	KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KX51	HOMESTEAD	FL (US)
STAR	FRWAY (RNAV)		K06FA	JUPITER	FL (US)
STAR	ANNEY	1	K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)	5	K07FA	KEY LARGO	FL (US)
STAR	BAIRN (RNAV)		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	1	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)		KOPF	MIAMI	FL (US)
STAR	GISSH		KOPF	MIAMI	FL (US)
STAR	ANNEY	1	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)		KISM	ORLANDO	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KORL	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KSFB	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)		KPMP	POMPANO BEACH	FL (US)
STAR	GISSH		KPMP	POMPANO BEACH	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	FRWAY (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	FRWAY (RNAV)		KPBI	WEST PALM BEACH	FL (US)
STAR	TUXXI		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX NAME CHANGED FROM VERO BEACH VORTAC TO TREASURE VORTAC.
REMOVED HOLDING FOR LONNI STAR (PAT 4) AND RE-NUMBERED.
CHANGED HOLD PATTERN 3 MAX TEMPLATE FROM 16 TO 5.
CHANGED INBOUND COURSE PAT 2, 3, 4, 5; ADDED 3 DEGREES FOR MAGVAR CHANGE.
CHANGED HOLD PAT 1 INBOUND COURSE FROM 165 TO 167.04 AND MIN ALTITUDE TO 10000.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/16/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: VRB ATCT
OTHER: DAB APP CON/MLB TWR

U.S. Department
of Transporation

**Federal Aviation
Administration**

Memorandum

Subject: **ACTION:** Approval Request;
AVN-100 Memorandum of 01/03/2005

Date: FEB 14 2005

From: Manager, Flight Technologies and
Procedures Division, AFS-400

Reply to
Attn. of:

To: Manager, National Flight Procedures
Office, AVN-100

Your request to utilize the 2.80 degrees Glidepath Angle at Melbourne International, Melbourne, FL "ILS or LOC Rwy 9R" is approved.

The required glidepath for this procedure was discussed at the 02/03/2005 AFS-400 Procedure Review Board meeting and was determined acceptable.

Please direct all inquiries to Donald P. Pate, AFS-420, at (405) 954-4164.

John W. McGraw

Attachment

INFO ONLY

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
MEBOURNE INTL
MELBOURNE, FL
ILS OR LOC RWY 9R

INFO ONLY

2. Waiver Required and Applicable Standard: **TCH waiver. 8260.3 paragraph 2.6.1b The TCH shall provide a WCH of no less than 20 feet or greater than 50 feet for the appropriate wheel height group. These limits shall not be exceeded unless formally approved by a Flight Standards waiver as outlined in Order 8260.19 or by the appropriate military authority. (NOTE: 60 feet is the maximum TCH) and FAAO 8260.3B, Vol 3, TABLE 2-3. MAXIMUM TCH 60.0 FT.**

The published TCH for this procedure is 61.1 feet

3. Reason for Waiver *(Justification for nonstandard treatment)*: **To retain the existing glidepath angle of 2.80 degrees and TCH of 61.1 Feet. It is cost prohibitive to move the required equipment or threshold to achieve a 60.0 foot TCH.**

4. Equivalent Level of Safety Provided:
1. Runway length is 10181 feet, lowering the TCH to 60 feet would change the GPI by 23 feet (1250 to 1227).
2. Glidepath angle and TCH are published on the IAP.
3. The runway length (10,181 ft) is sufficient length for primary users with non-standard TCH.
4. All necessary surfaces on the extended runway centerline are clear.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:
1. Relocation of the glideslope could change the TCH however it is cost prohibitive.
2. Relocation of the threshold could lower the TCH, however you still are at the same altitude at the same point and it would be cost prohibitive.

6. Coordination With User Organizations *(Specify)*:
AVN 110B: **AVN 101B:**

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
JAN 3 2005	AVN-100	Manager, National Flight Procedures Office	Chas. Frederic Anderson

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:

Date:	Routing Symbol:	Signature:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MELBOURNE** STATE: **FL**

AIRPORT NAME: **MELBOURNE INTL** ID: **KMLB**

PROCEDURE: **ILS OR LOC RWY 9R** AMDT: **12**

DOCKET#: **NOT REQUIRED**
(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 **3.05**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.88**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **086.88**
4. High Terrain in **FINAL** segment containing 1000' point **30**
5. Distance from **THLD** to 1500' point **4.79**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.25**
7. True Course of **FINAL** segment containing 1500' point **086.88**
8. High Terrain in **FINAL** segment containing 1500' point **30**
9. Threshold Coordinates (if straight-in) ... **280604.61N** / **0803940.08W**
10. ARP Coordinates ..... **280609.91N** / **0803842.93W**
11. Runway Approach End and distance furthest from ARP ..... RWY **9R**
    Distance **0.85** NM
12. FAF Coordinates ..... **280548.15N** / **0804518.21W**

REMARKS: Approach/Drawing attached.

Federal Aviation Administration

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	SJB
DATE	12-23-11
ROUTING SYMBOL	AJV-352 Lead
INITIALS/SIG	JMO
DATE	12-27-11
ROUTING SYMBOL	AJV-352 DAdams
INITIALS/SIG	JMO
DATE	12-27-11
ROUTING SYMBOL	AJV-34 WTerrell
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

Memorandum

Date: DEC 27 2011

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: ORIGINAL SIGNED BY Darryel Adams, Manager, Terminal Procedures & Charting Services, Eastern Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

BITHO EIGHT STAR
COSTR THREE STAR
ILS OR LOC RWY 9R AMDT 12
LOC BC RWY 27L AMDT 10
RNAV (GPS) RWY 27L AMDT 1
RNAV (GPS) RWY 27R AMDT 1
RNAV (GPS) RWY 9L AMDT 1
RNAV (GPS) RWY 9R AMDT 1
VOR RWY 27L AMDT 13
VOR RWY 9R AMDT 21

Estimated Chart Date: 09/20/2012

Runway Numbers are not affected

Please publish these changes in the National Flight Data Digest.

FLORIDA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
MELBOURNE	MELBOURNE INTL	Airport	KMLB / MLB	Old 3 ° WEST New 7 ° WEST	2015
MELBOURNE		ILS	MLB	Old 3 ° WEST New 7 ° WEST	2015
MELBOURNE		VDME	MLB	Old 3 ° WEST New 7 ° WEST	2015

If you have any questions please notify Darryel Adams, darryel.d.adams@faa.gov (301) 427-4824

cc: ATL-FPT, AJV-3rf
AJV-352:DAdams:sjb:x7537:12/23/11: (U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\ MV CHANGE Request for MELBOURNE, FL (KMLB) 12-23-11)