| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: IAP | Date Open: 05/05/2010 | Task #: 2008041414764706005 | Request #: 20080414147647 |
|---|---|---|---|---|---|
| Procedure: RNAV (GPS) RWY 27 L AMDT 1 | | Airport ID: KMLB | Airport: MELBOURNE INTL | | Reimbursable #: |
| City: MELBOURNE | ST: FL | GPS #: | | Estimated Chart Date: 09/20/2012 | FICO #: |
| Fac ID: | Fac. Type: LPV Proc - S | | Specialist: MICHAEL DOJCAK | | |

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| Lead: | 02/03/2012 | 06/22/2012 | STEVEN SZUKALA | LPV 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 4 of 9

MELBOURNE, FL MELBOURNE INTL ( KMLB) RNAV (GPS) RWY 27L, AMDT 1 ENROUTE - YES FC BY: 7.21.12 PUB DATE: 9.20.12
ATTACHED FORMS: 8260-3; 8260-9; 8260-10.
8260-2(S): IGMIF, REV 2;JENOV, REV 1; OPTOZ, REV 2; SUROY, REV 1; ZUVOM, REV 1. INDIA INT, REV 5 (INFO ONLY); TRV VTAC, REV 16 (INFO ONLY);
CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036/405.954.3636.

MAG VAR

| WAAS CH 56201 W27B | APP CRS 274° | Rwy ldg 9481 THRE 22 Apt Elev 33 |
|---|---|---|

# RNAV (GPS) RWY 27L
## MELBOURNE INTL (MLB)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above above 54°F (130°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 direct SUROY and hold.

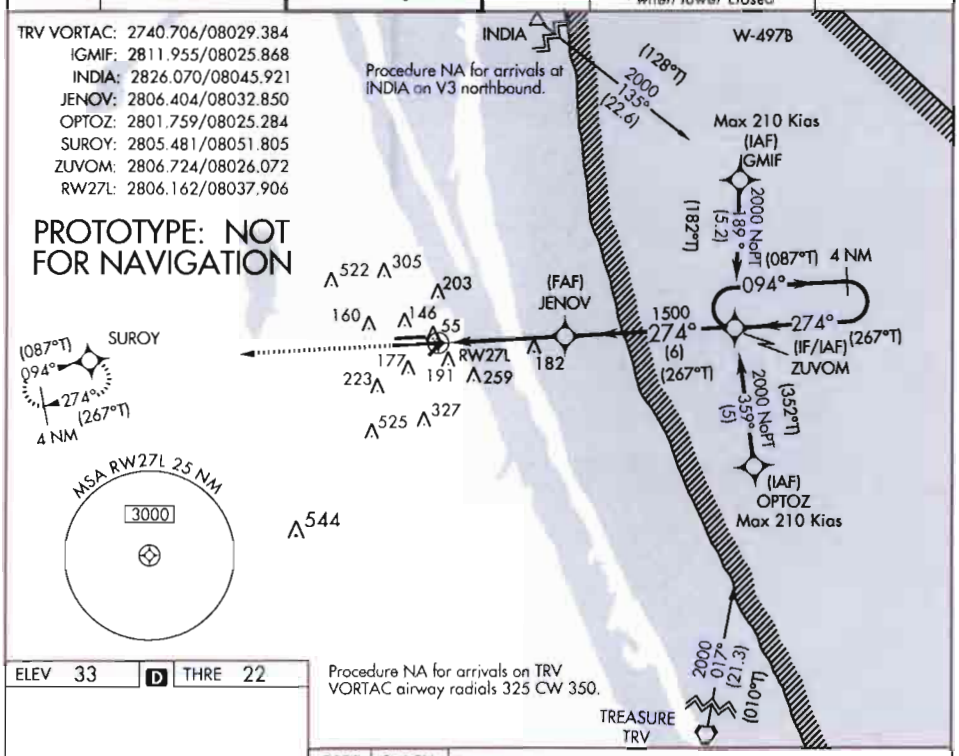
| ATIS | ORLANDO APP CON | MELBOURNE TOWER * | GND CON | CLNC DEL | UNICOM |
|---|---|---|---|---|---|
| 132.55 | 132.65 281.425 | 118.2 (CTAF) L 257.8 | 121.9 | 121.9 132.65 * * when tower closed | 122.95 |

TRV VORTAC: 2740.706/08029.384
IGMIF: 2811.955/08025.868
INDIA: 2826.070/08045.921
JENOV: 2806.404/08032.850
OPTOZ: 2801.759/08025.284
SUROY: 2805.481/08051.805
ZUVOM: 2806.724/08026.072
RW27L: 2806.162/08037.906

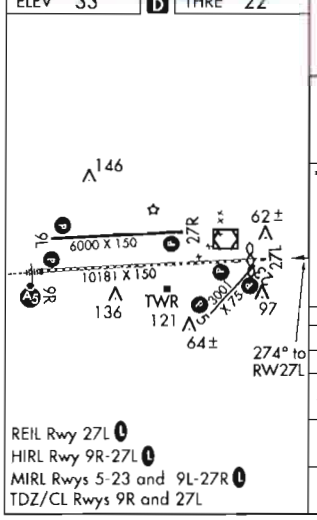
PROTOTYPE: NOT FOR NAVIGATION

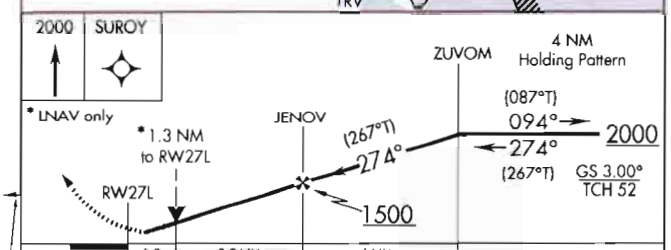
Procedure NA for arrivals at INDIA on V3 northbound.

Procedure NA for arrivals on TRV VORTAC airway radials 325 CW 350.



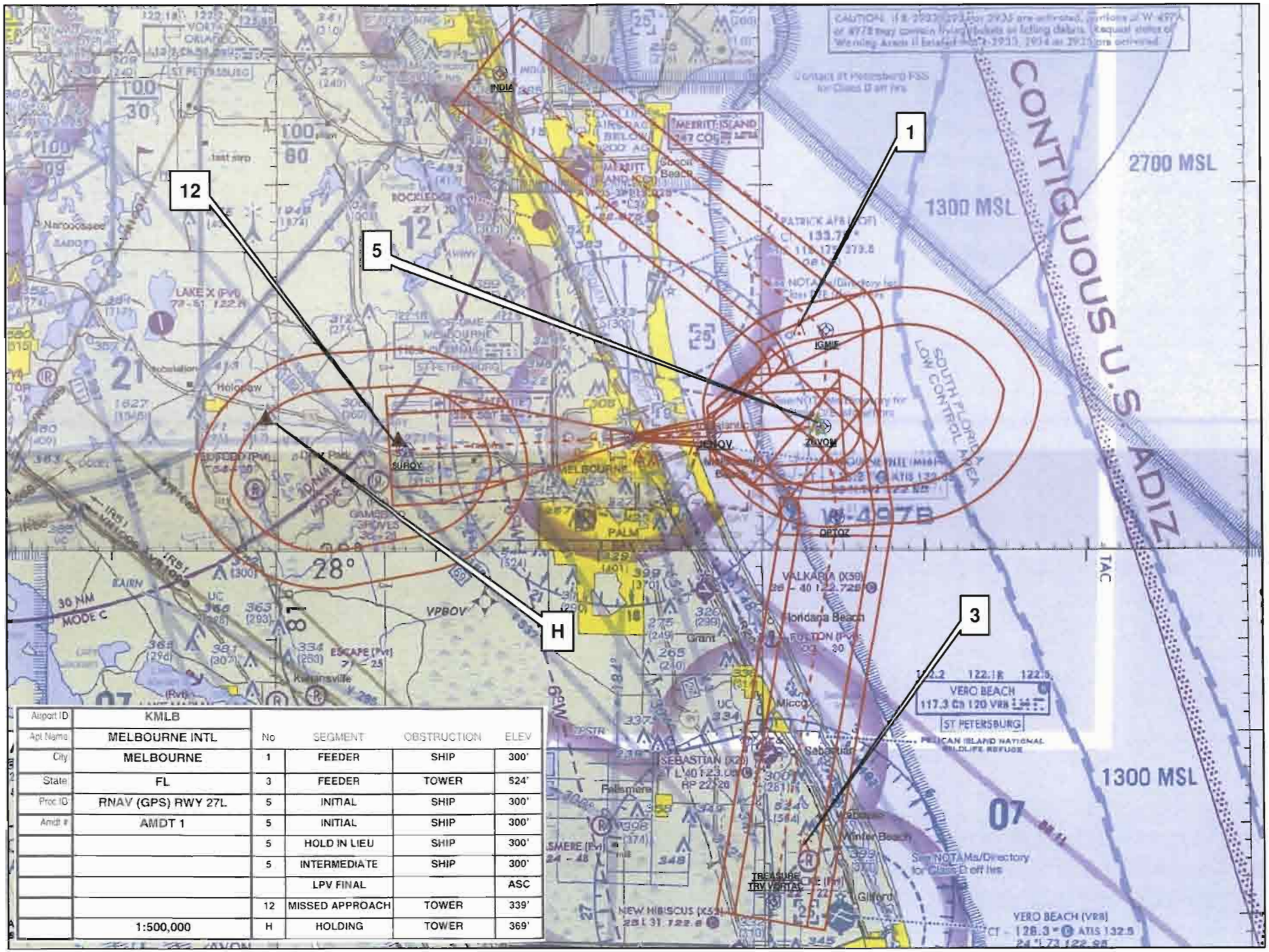

ELEV 33 | D | THRE 22



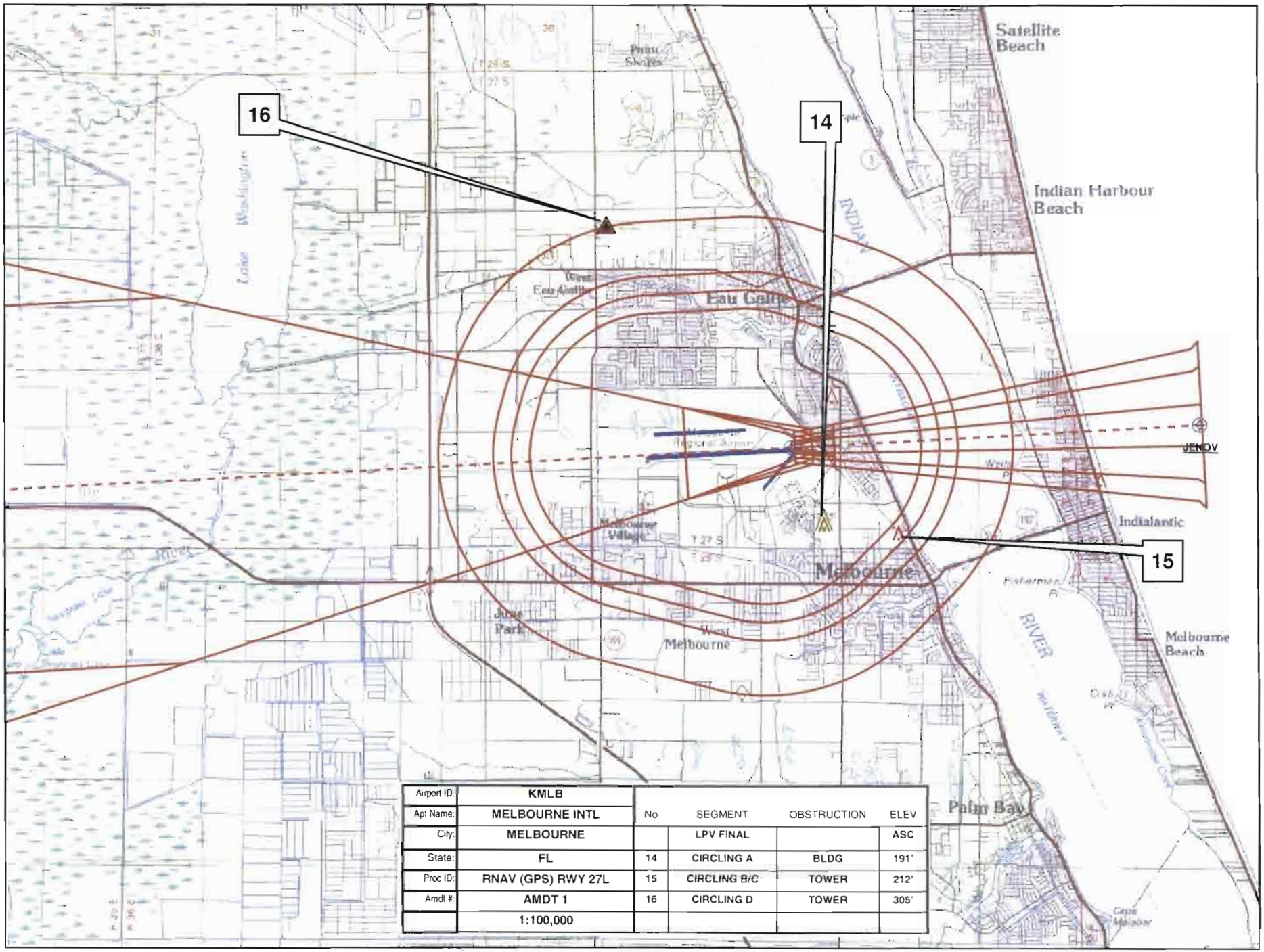




| CATEGORY | | A | B | C | D |
|---|---|---|---|---|---|
| LPV | DA | 222-¾ 200 (200-¾) | | | |
| LNAV/VNAV | DA | 314-⅞ 292 (300-⅞) | | | |
| LNAV MDA | | 500-1—478 (500-1) | | 500-1⅜ 478 (500-1⅜) | |
| CIRCLING | | 500-1 467 (500-1) | 520-1 487 (500-1) | 520-1½ 487 (500-1½) | 620-2 587 (600-2) |

REIL Rwy 27L L
HIRL Rwy 9R-27L L
MIRL Rwys 5-23 and 9L-27R L
TDZ/CL Rwys 9R and 27L

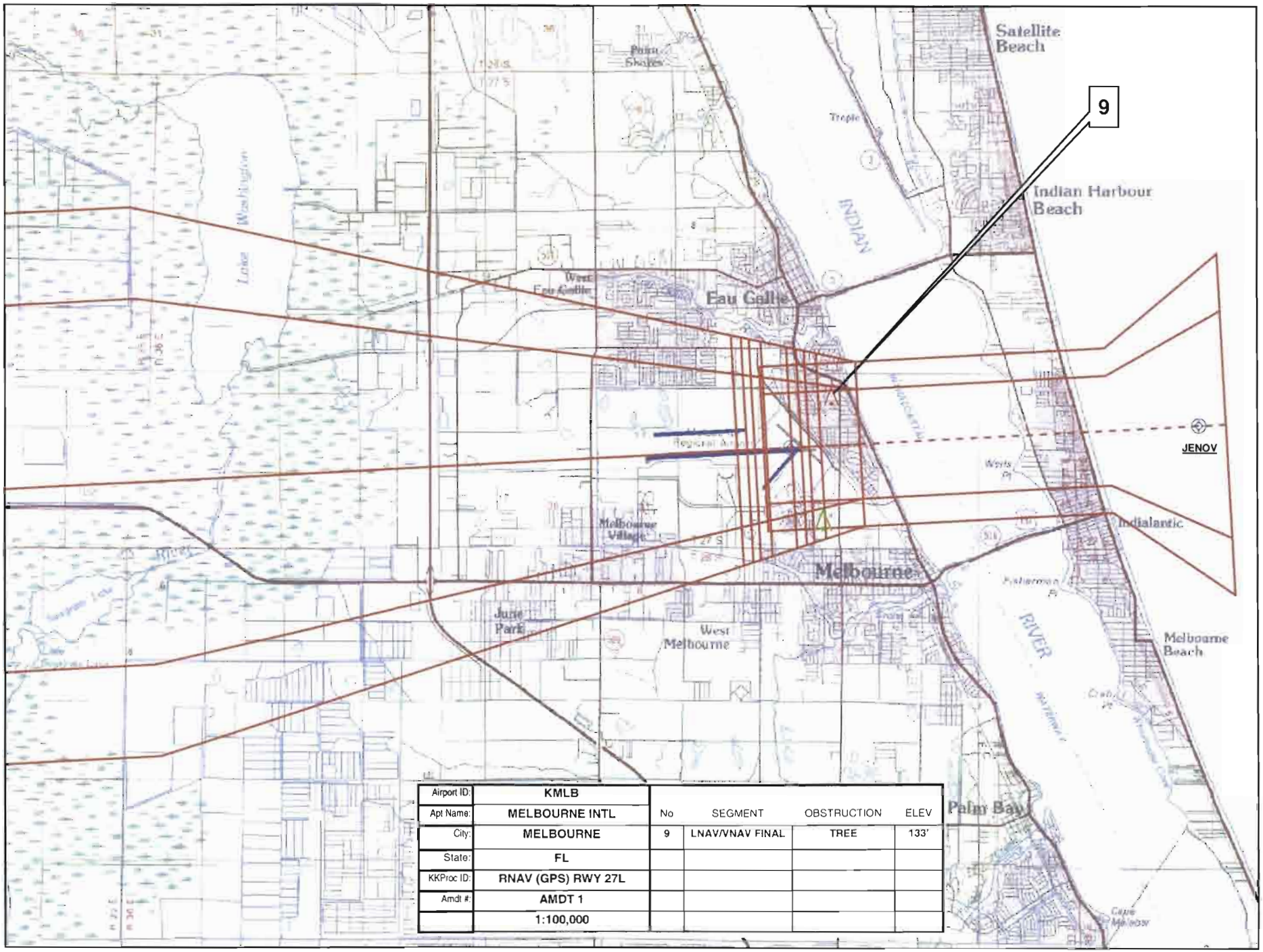



| Airport ID | KMLB | | | | |
|---|---|---|---|---|---|
| Apt Name | MELBOURNE INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City | MELBOURNE | 1 | FEEDER | SHIP | 300' |
| State | FL | 3 | FEEDER | TOWER | 524' |
| Proc ID | RNAV (GPS) RWY 27L | 5 | INITIAL | SHIP | 300' |
| Amdt # | AMDT 1 | 5 | INITIAL | SHIP | 300' |
| | | 5 | HOLD IN LIEU | SHIP | 300' |
| | | 5 | INTERMEDIATE | SHIP | 300' |
| | | | LPV FINAL | | ASC |
| | | 12 | MISSED APPROACH | TOWER | 339' |
| | 1:500,000 | H | HOLDING | TOWER | 369' |

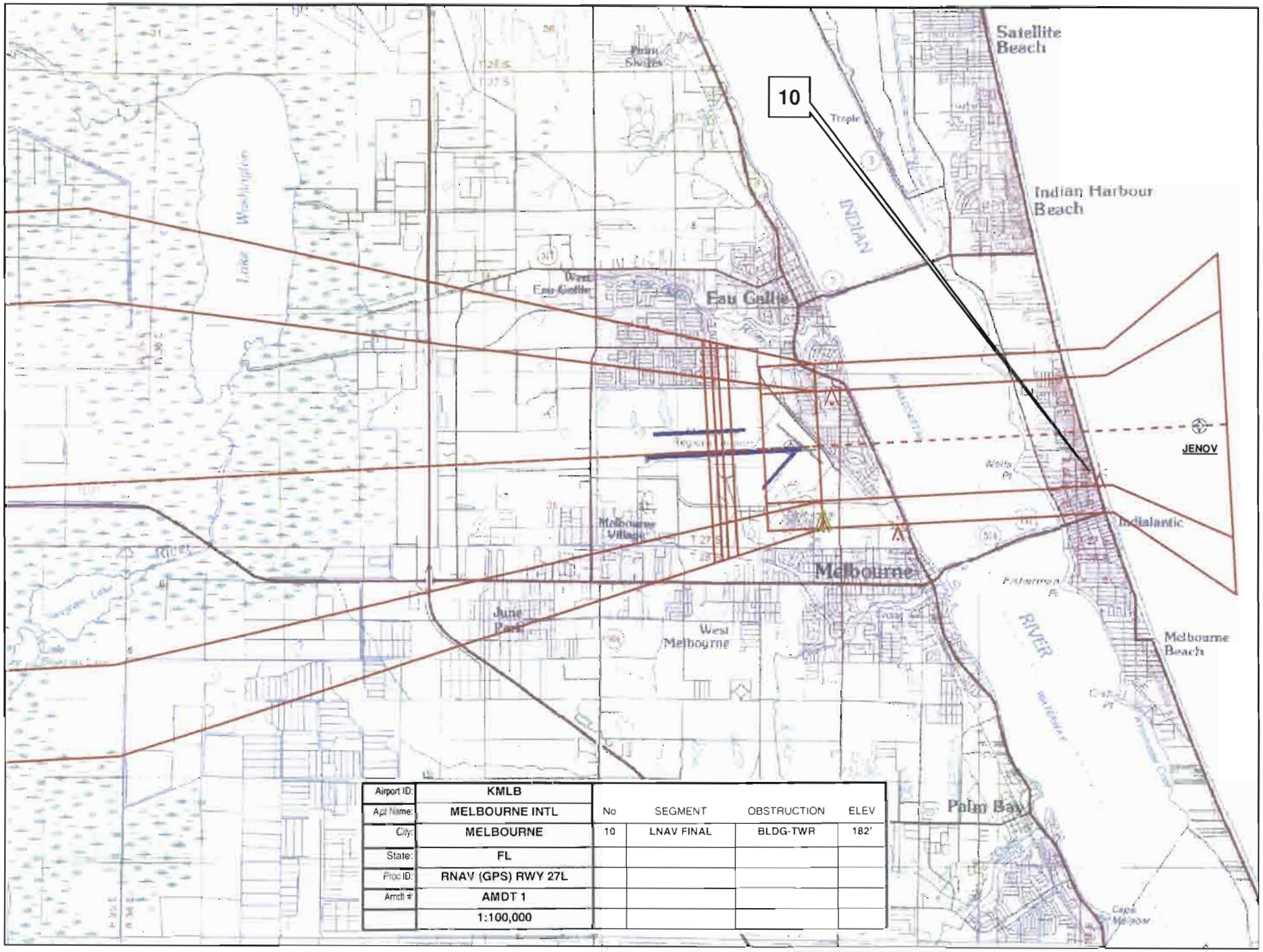



| Airport ID: | KMLB |
|---|---|
| Apt Name: | MELBOURNE INTL |
| City: | MELBOURNE |
| State: | FL |
| Proc ID: | RNAV (GPS) RWY 27L |
| Amdt #: | AMDT 1 |
| | 1:100,000 |

| No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| | LPV FINAL | | ASC |
| 14 | CIRCLING A | BLDG | 191' |
| 15 | CIRCLING B/C | TOWER | 212' |
| 16 | CIRCLING D | TOWER | 305' |




| Airport ID: | KMLB | | | | |
|---|---|---|---|---|---|
| Apt Name: | MELBOURNE INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City: | MELBOURNE | 9 | LNAV/VNAV FINAL | TREE | 133' |
| State: | FL | | | | |
| KKProc ID: | RNAV (GPS) RWY 27L | | | | |
| Amdt #: | AMDT 1 | | | | |
| | 1:100,000 | | | | |




| Airport ID: | KMLB | | | | |
|---|---|---|---|---|---|
| Apt Name: | MELBOURNE INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City: | MELBOURNE | 10 | LNAV FINAL | BLDG-TWR | 182' |
| State: | FL | | | | |
| Proc ID: | RNAV (GPS) RWY 27L | | | | |
| Amdt #: | AMDT 1 | | | | |
| | 1:100,000 | | | | |

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| INDIA | IGMIF (FB) | 135.42 / 22.61 | 2000 |
| TRV VORTAC | OPTOZ (FB) | 016.80 / 21.31 | 2000 |
| IGMIF (IAF) | ZUVOM (NOPT) (FB) | 188.98 / 5.22 | 2000 |
| OPTOZ (IAF) | ZUVOM (NOPT) (FB) | 358.99 / 5.00 | 2000 |
| ZUVOM (IF/IAF) | JENOV (FB) | 273.98 / 6.00 | 1500 |
| JENOV (FAF) | RW27L (MAP) (FO) | 273.93 / 4.48 | |
| RW27L (MAP) | 222 MSL | 273.93 | |
| 222 MSL | SUROY (FO) | | 2000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27L

CLIMB TO 2000 DIRECT SUROY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E ZUVOM, RT, 273.98 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 273.93 FAF: JENOV DIST FAF TO MAP: 4.48 THLD: 4.48
4. MIN. ALT: ZUVOM 2000, JENOV 1500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: JENOV 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS CLEAR
8. MSA FROM: RW27L 3000

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 093.78 INBOUND.
CHART FAS OBST: 182 BLDG-TWR 280553N/0803405W
CHART W-497B.
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.33 MILES TO RW27L*
*LNAV ONLY.
WAAS CHANNEL # 56201
REFERENCE PATH ID: W27B
LTP HAE: -21.4 M

MAG VAR: 7W EPOCH YEAR: 2015

## MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A 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 |
| LPV DA | 222 | 3/4 | 200 | 222 | 3/4 | 200 | 222 | 3/4 | 200 | 222 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 314 | 7/8 | 292 | 314 | 7/8 | 292 | 314 | 7/8 | 292 | 314 | 7/8 | 292 | | | |
| LNAV MDA | 500 | 1 | 478 | 500 | 1 | 478 | 500 | 1 3/8 | 478 | 500 | 1 3/8 | 478 | | | |
| CIRCLING | 500 | 1 | 467 | 520 | 1 | 487 | 520 | 1 1/2 | 487 | 620 | 2 | 587 | | | |

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE AT IGMIF : MAX 210 KIAS.
CHART PLANVIEW NOTE AT OPTOZ : MAX 210 KIAS.
(SEE FORM 8260-10)

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MELBOURNE, FL | AIRPORT NAME: MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | AMDT: ORIG-B |
| | | | | DATED 09/24/2009 |

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

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: **MICHAEL DOJCAK** | FIFO **AJV-352** | DATE: **05/18/2012** |
| **APPROVED BY** | | |
| NAME: **DARRYEL ADAMS** **MANAGER** | FIFO **AJV-352** | DATE: |

CHANGES:

**1. AMENDED TERMINAL ROUTE INDIA TO IGMIF COURSE FROM 132.26 TO 135.42 AND DISTANCE FROM 22.22 TO 22.61.**
**2. VRB VORTAC UPDATED TO TRV VORTAC.**
**3. AMENDED TERMINAL ROUTE TRV VORTAC TO OPTOZ COURSE FROM 011.49 TO 016.80 AND DISTANCE FROM 21.18 TO 21.31.**
**4. AMENDED TERMINAL ROUTE IGMIF TO ZUVOM COURSE FROM 179.98 TO 188.98.**
**5. AMENDED TERMINAL ROUTE OPTOZ TO ZUVOM COURSE FROM 359.98 TO 358.99.**
**6. AMENDED TERMINAL ROUTE ZUVOM TO JENOV COURSE FROM 269.98 TO 273.98.**
**7. ZUVOM HOLD IN LIEU COURSE INBOUND AMENDED FROM 269.98 TO 273.98.**
**8. AMENDED FINAL APPROACH COURSE FROM 269.93 TO 273.93.**
**9. AMENDED DIST FAF TO MAP FROM 4.42 TO 4.48.**
**10. MISSED APPROACH HOLDING COURSE INBOUND AMENDED FROM 089.79 TO 093.78.**
**11. AMENDED ADDITIONAL FLIGHT DATA FAS OBSTACLE CHART NOTES.**
**12. DISTANCE TO THLD FROM 264 HAT: 0.68 NM UPDATED TO DISTANCE TO THLD FROM 200 HATH: 0.46 NM.**
**13. VDP UPDATED FROM 1.40 MILES TO RW27L TO 1.33 MILES.**
**14. UPDATED LPV DA MINIMUMS FROM DA 290/VIS 1/HAT 264 TO DA 222/VIS 3/4/HAT 200 ALL CATS.**
**SEE 8260-10**

REASONS:

**1. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.**
**2. FACILITY NAME CHANGE PER EST FPT AND MEMORANDUM DTD 05/10/2011.**
**3. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.**
**4. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.**
**5. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.**
**6. MAGVAR UPDATE FROM 3W TO 7W.**
**7. MAGVAR UPDATE FROM 3W TO 7W.**
**8. MAGVAR UPDATE FROM 3W TO 7W.**
**9. FAF MOVED TO RNP PFAF LOCATION PER CRITERIA.**
**10. EVALUATED WITH MAGVAR UPDATE FROM 3W TO 7W AND AMENDED FIX LOCATIONS.**
**11. EVALUATED TO CURRENT CRITERIA AND DATA.**
**12. EVALUATED TO CURRENT CRITERIA AND DATA.**
**13. EVALUATED TO CURRENT CRITERIA AND DATA.**
**14. EVALUATED TO CURRENT CRITERIA AND DATA.**
**SEE 8260-10**

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NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT INDIA ON V3 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TRV VORTAC AIRWAY RADIALS 325 CW 350.

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MELBOURNE, FL | AIRPORT NAME: MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | AMDT: ORIG-B |
| | | | | DATED: 09/24/2009 |

| 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:

**CHANGES CONT.**
**15. UPDATED LNAV/VNAV DA MINIMUMS FROM DA 563/VIS 2/HAT 537 TO DA 314/VIS 7/8/HAT 292 ALL CATS.**
**16. UPDATED LNAV MDA MINIMUMS FROM MDA 520/HAT 494 TO MDA 500/HAT 478 ALL CATS, CAT C VIS FROM 1 1/4 TO 1 3/8 AND CAT D VIS FROM 1 1/2 TO 1 3/8.**
**17. UPDATED CIRCLING FROM CAT A MDA 520/HAA 487 TO MDA 500/HAA 467, CAT B AND C MDA 580/HAA 547 TO MDA 520/HAA 487.**
**18. REMOVED CHART NOTE: BARO-VNAV NA BELOW -16C (4F) AND ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).**
**19. ADDED CHART PLANVIEW NOTE AT IGMIF AND OPTOZ: MAX 210 KIAS AND PROCEDURE NA FOR ARRIVALS ON TRV VORTAC AIRWAY RADIALS 325 CW 350.**

REASONS:

**REASONS CONT.**
**15. EVALUATED TO CURRENT CRITERIA AND DATA.**
**16. EVALUATED TO CURRENT CRITERIA AND DATA.**
**17. EVALUATED TO CURRENT CRITERIA AND DATA.**
**18. UPDATED TO CURRENT CRITERIA AND DATA.**
**19. 210 KIAS USED TO MINIMIZE CHANGES IN INITIAL SEGMENT FIX LOCATIONS, TURN ANGLES AND LENGTHS, PER ATC AND FPT REQUEST. PROCEDURE NA NOTE REQUIRED PER CURRENT CRITERIA.**

**EFFECTIVE CONCURRENT WITH: KMLB RNAV (GPS) RYW 9R, AMDT 1**

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## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KMLB |
| RUNWAY | RW27L |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W27B |
| LTP/FTP LATITUDE | 280609.7100N |
| LTP/FTP LONGITUDE | 0803754.3600W |
| LTP/FTP ELLIPSOIDAL HEIGHT | -00214 |
| FPAP LATITUDE | 280604.6130N |
| FPAP LONGITUDE | 0803940.0750W |
| 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 | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| CRC REMAINDER | 9DC3B20A |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K7 |
| LTP ORTHOMETRIC HEIGHT | +00068 |
| FPAP ORTHOMETRIC HEIGHT | +00068 |

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MELBOURNE, FL | AIRPORT NAME: MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | AMDT: ORIG-B |
| | | | | DATED: 09/24/2009 |

| 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:

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        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   IGMIF K70    W     N28115727W080255206                      W0065     NAR           IGMIF
        SUSAEAENRT   INDIA K70    C   L N28260419W080455525                      W0063     NAR           INDIA
        SUSAEAENRT   JENOV K70    W     N28062423W080325102                      W0064     NAR           JENOV
        SUSAEAENRT   OPTOZ K70    W     N28014554W080251701                      W0064     NAR           OPTOZ
        SUSAEAENRT   SUROY K70    W     N28052887W080514828                      W0062     NAR           SUROY
        SUSAEAENRT   ZUVOM K70    W     N28064341W080260431                      W0064     NAR           ZUVOM

                 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 KMLBK7FR27L  AINDIA 010INDIAK7EA0E       IF                                                18000                 A JS
        SUSAP KMLBK7FR27L  AINDIA 020IGMIFK7EA0E  A 020TF                     13540226    + 02000          210              A-JS
        SUSAP KMLBK7FR27L  AINDIA 030ZUVOMK7EA0EE B 010TF                     18900052    + 02000                           A JS
        SUSAP KMLBK7FR27L  ATRV   010TRV  K7D 0V       IF                                                18000                 A JS
        SUSAP KMLBK7FR27L  ATRV   020OPTOZK7EA0E  A 020TF                     01680213    + 02000          210              A-JS
        SUSAP KMLBK7FR27L  ATRV   030ZUVOMK7EA0EE B 010TF                     35900050    + 02000                           A JS
        SUSAP KMLBK7FR27L  AZUVOM 010ZUVOMK7EA0EE AR   HF                     27400040    + 02000     18000                 A JS
        SUSAP KMLBK7FR27L  R      010ZUVOMK7EA0E  I    IF                                  + 02000     18000                 A JS
        SUSAP KMLBK7FR27L  R      020JENOVK7EA1E  F 051TF                     27400060    + 01500                 RW27L K7PGA JS
        SUSAP KMLBK7FR27L  R      020JENOVK7EA2WALPV       ALNAV/VNAV ALNAV                                                    JS
        SUSAP KMLBK7FR27L  R      030RW27LK7PG0GY M 031TF                     27390045      00074             -300          A JS
        SUSAP KMLBK7FR27L  R      040         0  M     CA                     2739        + 00222                           A JS
        SUSAP KMLBK7FR27L  R      050SUROYK7EA0EY      DF                                  + 02000                           A JS
        SUSAP KMLBK7FR27L  R      060SUROYK7EA0EE  R   HM                     09380040    + 02000                           A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7GRW27L   0101812739 N28060971W080375436+0100    -0021400022070052150R

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

QUALITY 1 CHECKED

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MELBOURNE, FL | AIRPORT NAME: MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | AMDT: ORIG-B |
| | | | | DATED: 09/24/2009 |

| 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.

```
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7PR27L  RW27L001 0000W27B0N2806097100W08037543600-002140300N2806046130W080394007501067500000000520F4003509DC3B20A
        SUSAP KMLBK7PR27L  RW27L002E      +00068+00068LPV       56201

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7SRW27LK7PG               0   18018003025                                                                          M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| MELBOURNE, FL | AIRPORT NAME: MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | AMDT: ORIG-B |
| | | | | DATED: 09/24/2009 |

| 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:

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INDIA | INDIA | 010 | | IF | | FB | | | | | |
| | INDIA | IGMIF | 020 | IAF | TF | | FB | 2.0 | 135.4(128.4T) | 022.6 | AA 02000 | AB 210 |
| | INDIA | ZUVOM | 030 | | TF | | FB | 1.0 | 189.0(182.0T) | 005.2 | AA 02000 | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | OPTOZ | 020 | IAF | TF | | FB | 2.0 | 016.8(009.8T) | 021.3 | AA 02000 | AB 210 |
| | TRV | ZUVOM | 030 | | TF | | FB | 1.0 | 359.0(352.0T) | 005.0 | AA 02000 | |
| | ZUVOM | ZUVOM | 010 | IAF | HF | R | FO | | 274.0(267.0T) | 004.0 | AA 02000 | |
| | | ZUVOM | 010 | FACF | IF | | FB | | | | AA 02000 | |
| | | JENOV | 020 | FAF | TF | | FB | 0.5 | 274.0(267.0T) | 006.0 | AA 01500 | |
| | | RW27L | 030 | MAP | TF | | FO | 0.3 | 273.9(266.9T) | 004.5 | AT 00074 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 273.9(266.9T) | | AA 00222 | |
| | SUROY | 050 | | DF | | FO | | | | AA 02000 | |
| | SUROY | 060 | | HM | R | FO | | 093.8(086.8T) | 004.0 | AA 02000 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| | IGMIF | N281157.27 | W0802552.06 | N2811.955 | W08025.868 |
| | INDIA | N282604.19 | W0804555.25 | N2826.070 | W08045.921 |
| | JENOV | N280624.23 | W0803251.02 | N2806.404 | W08032.850 |
| | OPTOZ | N280145.54 | W0802517.01 | N2801.759 | W08025.284 |
| | SUROY | N280528.87 | W0805148.28 | N2805.481 | W08051.805 |
| | ZUVOM | N280643.41 | W0802604.31 | N2806.724 | W08026.072 |
| | RW27L | N280609.71 | W0803754.36 | N2806.162 | W08037.906 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW27L | 00022 | 52 |

QUALITY CHECKED 1

| CITY AND STATE | ELEVATION: 33 THRE: 22 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **MELBOURNE, FL** | AIRPORT NAME: **MELBOURNE INTL** | **RNAV** | **RNAV (GPS) RWY 27L, AMDT 1** | AMDT: **ORIG-B** |
| | | | | DATED: **09/24/2009** |

| 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:

# 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 | INDIA | IGMIF | 1. SHIP | 281211.00N/0802732.00W | 300 (2C) | 1000 | AT700 | 2000 |
| | | | 2. TERRAIN | 282412.00N/0804509.00W | 95 (100) | | AS1500 | 1600 |
| FEEDER | TRV VORTAC | OPTOZ | 3. TOWER (12-002803) | 274408.00N/0802726.00W | 524 (5D) | 1000 | AT476 | 2000 |
| | | | 4. TERRAIN | 274000.00N/0803124.00W | 26 (0) | | AS1500 | 1500 |
| INITIAL | IGMIF | ZUVOM | 5. SHIP | 280654.00N/0802627.00W | 300 (2C) | 1000 | AT700 | 2000 |
| | | | 6. SURFACE | 280451.00N/0802530.00W | 0 (0) | | AS1500 | 1500 |
| INITIAL | OPTOZ | ZUVOM | 5. SHIP | 280654.00N/0802627.00W | 300 (2C) | 1000 | AT700 | 2000 |
| | | | 7. SURFACE | 280045.00N/0802448.00W | 0 (0) | | AS1500 | 1500 |
| INTERMEDIATE | ZUVOM (IF/IAF) | JENOV | 5. SHIP | 280654.00N/0802627.00W | 300 (2C) | 500 | | 800 |
| | | | 8. SURFACE | 280300.00N/0802809.00W | 0 (0) | | AS1500 | 1500 |
| FINAL: LPV | JENOV | RW27L | | | | ASC | | 222/200 |
| FINAL: LNAV/VNAV | JENOV | RW27L | 9. TREE | 280645.00N/0803724.00W | 133 (2C) | PDA | AC20 | 314/292 |
| FINAL: LNAV | JENOV | RW27L | 10. BLDG-TWR | 280553.04N/0803405.28W | 182 (5D) | 250 | AC50 | 500 |
| | | | (12-001489) | | | | | |
| 2. HOLD-IN-LIEU-OF-PT | ZUVOM | P-4 | 5. SHIP | 280654.00N/0802627.00W | 300 (2C) | 1000 | AT700 | 2000 |
| | | | 11. SURFACE | 281130.00N/0801800.00W | 0 (0) | | AS1500 | 1500 |
| 3. MISSED APPROACH — MAP: | DA / DA / RW27L | SUROY | | | | ASC | | 2000 |
| | | | 12. TOWER (12-003950) | 280520.00N/0805151.00W | 339 (1A) | 1000 | | 1400 |
| ELEV: | 56/153/400 | | 13. TERRAIN | 280703.00N/0805300.00W | 50 (100) | | AS1500 | 1600 |
| | | | 14. BLDG (12-002246) | 280524.00N/0803730.00W | 191 (1A) | 300 | | 500 |
| | | | 15. TOWER (12-003336) | 280518.43N/0803634.62W | 212 (1A) | 300 | | 520 |
| | | | 15. TOWER (12-003336) | 280518.43N/0803634.62W | 212 (1A) | 300 | | 520 |
| | | | 16. TOWER (12-003622) | 280833.00N/0804005.00W | 305 (1A) | 300 | | 620 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL |
|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 467 |
| CATEGORY B | 1.5 NM | 450 | 487 |
| CATEGORY C | 1.7 NM | 450 | 487 |
| CATEGORY D | 2.3 NM | 550 | 587 |
| CATEGORY E | 4.5 NM | 550 | |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW27L

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 360-360 | TWR (12-004140) | 304/ 23.4 | 1949 (2C) | 3000 | | | | | |

| CITY AND STATE | ELEVATION: 33 / AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| MELBOURNE, FL | MELBOURNE INTL | RNAV | RNAV (GPS) RWY 27L, AMDT 1 | ASO |

## PART B - SUPPLEMENTAL DATA

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

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: | CAT 1 |
| | | 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)<br>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: 3.00 | ELEV RWY THRESHOLD: 22.2 |
| | 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: MICHAEL DOJCAK | DATE: 05/18/2012 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-352 |

## PART C - REMARKS:

THRESHOLD DISPLACED 700.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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.

VGSI DATA: 3.00/52.

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.
(NO HISTORICAL DATA AVAILABLE)

TAA NOT DEVELOPED PER FPT AND AIR TRAFFIC.

POLICY APPROVED USE OF AFS-420 MEMOS:
HARMONIZED FLIGHT INSTRUMENT PROCEDURE DESIGN CALCULATIONS.
REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB)/RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS; OMNI-DIRECTIONAL TAILWIND REQUIREMENTS; AND MINIMUM INITIAL DEPARTURE LEG SEGMENT LENGTH DESIGN CRITERIA.

25 DEGREE ANGLE OF BANK UTILIZED IN PROCEDURE AT FIX ZUVOM (IF/IAF) FOR INITIAL SEGMENT TURNS.

PER FPT:
RWY 9R SURVEY PIR
RWY 9L/27R/27L SURVEY ANAPC

100' TREES USED PER EST FPT.

SHIP HEIGHTS PER FPT: WITHIN CHANNEL 50 FT
OUTSIDE CHANNEL - SHALLOW WATER 90 FT, DEEP WATER IN VICINITY OF MAP CL OUTWARD 300 FT.

LPV, LNAV/VNAV AND LNAV INTERMEDIATE OBSTACLE AND TERRAIN THE SAME.

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** IGMIF **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 281157.27N/0802552.06W **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 27L | | | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 27R | | | KMLB | MELBOURNE | FL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
FIX MOVED 3138.23 FT/.52 NM E.
REMOVED FAC 1 DATA.
FIX USE UPDATED.

**DEVELOPED BY:** **DATE:** 05/02/2012 **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 APPROACH

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** JENOV **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 280624.23N/0803251.02W **TYPE:** WP

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

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

**REMARKS:**
FIX COORDINATES AT RNP PFAF LOCATION.
KBNA R27L DISPLACED THRESHOLD COORDINATES 280609.71N-0803754.36W.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 27L | | | KMLB | MELBOURNE | FL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
FIX MOVED 355.15 FT/.06 NM E TO RNP PFAF LOCATION.
REMOVED FAC 1 DATA.
ADDED REMARK: FIX COORDINATES AT RNP PFAF LOCATION.
AMENDED DISPLACED THRESHOLD COORDINATES REMARK.
FIX USE UPDATED.

**DEVELOPED BY:** **DATE:** 04/26/2012 **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 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** OPTOZ **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 280145.54N/0802517.01W **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 27L | | | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 27R | | | KMLB | MELBOURNE | FL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
FIX MOVED 3021.69 FT/.50 NM E.
REMOVED FAC 1 DATA.
FIX USE UPDATED.

**DEVELOPED BY:** **DATE:** 04/30/2012 **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 APPROACH

QUALITY 3 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SUROY **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 280528.87N/0805148.28W **TYPE:** WP

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

**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 | | WP | 273.78 | 093.78 | R | | 4 | 2000 | 6000 | 4 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (12-003530) | 280718.85N/0810034.52W | 369 | 1A |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 27L | | 1 | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 9R | | | KMLB | MELBOURNE | FL (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
FIX MOVED 384.88 FT/.06 NM W ON CENTERLINE.
REMOVED FAC 1 DATA.
PAT 1 RAD/CRS/BRG CHANGED FROM 269.79 TO 273.78, CRS INBOUND FROM 089.79 TO 093.78 AND MAX TEMPLATE FROM 5 TO 6.
PAT 1 CONTROLLING OBSTRUCTION DATA UPDATED.
ADDED HOLDING RESTRICTION: HOLDING LIMITED TO ESTABLISHED PATTERN.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FIX USE UPDATED.

**DEVELOPED BY:** **DATE:** 05/01/2012 **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:** ZUVOM **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 280643.41N/0802604.31W **TYPE:** WP

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

**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 | | WP | 093.98 | 273.98 | R | | 4 | 2000 | 6000 | 4 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | SHIP | 280654.00N/0802627.00W | 300 | 2C |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN.

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 27L | | | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 9R | | 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:**
FIX MOVED 371.18 FT/.06 NM E ON CENTERLINE.
REMOVED FAC 1 DATA.
PAT 1 RAD/CRS/BRG CHANGED FROM 89.98 TO 93.98, CRS INBOUND FROM 269.98 TO 273.98 AND MAX TEMPLATE CHANGED FROM 5 TO 6.
CONTROLLING OBSTRUCTION LOCATION AND ELEVATION AMENDED.
HOLDING LIMITED TO ESTABLISHED PATTERN MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED AND DELETED FAC 1 DISPLACED THRESHOLD INFORMATION FROM REMARKS.
FIX USE UPDATED.

**DEVELOPED BY:** **DATE:** 04/30/2012 **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 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

**NAME:** INDIA **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 282604.19N/0804555.25W **TYPE:** WP, INT, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MELBOURNE | MLB | VOR/DME | L | 347.76 | 340.76 | 20.87 | 20.87 | | 2000 | 17500 |
| 2 | ORLANDO | ORL | VORTAC | H | 102.00 | 102.00 | 30.81 | 30.81 | | 2000 | 17500 |

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

**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 | | WP | 175.75 | 355.75 | L | | 4 | 2000 | 6000 | 4 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (12-001445) | 282100.62N/0804627.87W | 461 | 1A |

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

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN

**REMARKS:**
MELBOURNE (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATED COMPLETE

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V3 | 1, 2 | | | | FL (US) |
| IAP | RNAV (GPS) RWY 27L | | | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 27R | | | KMLB | MELBOURNE | FL (US) |
| IAP | RNAV (GPS) RWY 15 | | | KTTS | TITUSVILLE | FL (US) |
| IAP | RNAV (GPS) RWY 33 | | | KTTS | TITUSVILLE | FL (US) |
| IAP | RNAV (GPS) RWY 15 | | 1 | KX21 | TITUSVILLE | FL (US) |
| IAP | RNAV (GPS) RWY 33 | | 1 | KX21 | TITUSVILLE | FL (US) |

**REQUIRED CHARTING:** IAP, CONTROLLER, EN ROUTE LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
CHANGED FAC 1 MAG BRG FROM 342.76 TO 347.76 DUE TO MLB VOR/DME MAG VAR CHANGE
UPDATED FIX USE

**DEVELOPED BY:** **DATE:** 05/29/2012 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (DANIEL WHITNEY)

**APPROVED BY:** **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** EST
**ARTCC:** ZMA
**ATC FACILITY:** DAB APP CON, ORL APP CON
**OTHER:**

QUALITY CHECKED 3

# RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

**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 | DIST FROM 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 CHECKED 3

| | | | | | |
|---|---|---|---|---|---|
| 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

# TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (GPS) RWY 27L** AMDT: **1**

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 **2.91**
   (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 **266.93**
4. High Terrain in **FINAL** segment containing 1000' point **33**
5. Distance from **THLD** to 1500' point **4.48**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.13**
7. True Course of **FINAL** segment containing 1500' point **266.93**
8. High Terrain in **FINAL** segment containing 1500' point **33**
9. Threshold Coordinates (if straight-in) ... ***280609.71N / 0803754.36W**
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 ..... **280624.23N / 0803251.02W**

**REMARKS: Approach/Drawing attached.**
***DISPLACED THRESHOLD**

# Federal Aviation Administration

# Memorandum

Date: DEC 27 2011

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

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

Subject: **ACTION:** Magnetic Variation Change

ORIGINAL SIGNED BY

| 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 | |

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)