U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	09/20/2012

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9R: CLIMB ON MLB VOR/DME R-095.71 TO CAPEN INT/MLB VOR/DME 5.18 DME, THEN TURN LEFT HEADING 360, THENCE...

TAKEOFF RWY 27L: CLIMB HEADING 273.89, THENCE...

...ALL AIRCRAFT EXPECT RADAR VECTORS TO JOIN ASSIGNED ROUTE. MAINTAIN 5000 OR ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

TAKEOFF MINIMUMS: **RWY 5, 23, 9L, 27R,** NA – PER ATC.
RWY 9R, 27L, STANDARD.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 5, MULTIPLE TREES BEGINNING 1584 FT FROM DER, 222 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/64 FT MSL.

NOTE: RWY 23, BUSH 20 FT FROM DER, 217 FT RIGHT OF CENTERLINE, 8 FT AGL/33 FT MSL, TOWER 6034 FT FROM DER, 750 FT RIGHT OF CENTERLINE,152 FT AGL/177 FT MSL. MULTIPLE TREES BEGINNING 284 FT FROM DER, 121 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/72 FT MSL.

NOTE: RWY 9L, TREE 108 FT FROM DER, 479 FT LEFT OF CENTERLINE, 25 FT AGL/62 FT MSL.

NOTE: RWY 9R, MULTIPLE TREES 1855 FT FROM DER, 434 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/73 FT MSL. TREE 1332 FT FROM DER, 434 FT RIGHT OF CENTERLINE, 36 FT AGL/56 FT MSL.

NOTE: RWY 27R, MULTIPLE TREES BEGINNING 543 FT FROM DER, 169 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/81 FT MSL. MULTIPLE TREES BEGINNING 1202 FT FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/88 FT MSL.

CONTROLLING OBSTACLES:

QUALITY CHECKED 3

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	09/20/2012

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: I-MLB LOCALIZER AT CAPEN.
CHART: MLB R-096 5.18 DME AT CAPEN.
CHART: TRV R-001 AT CAPEN.

AIRPORTS SERVED:

MELBOURNE INTL — MELBOURNE, FL

COMMUNICATIONS:

MLB ATIS, MLB CLR DEL, ORLANDO DEP CON, CTAF

FIXES AND/OR NAVAIDS:

OMN VORTAC, ORL VORTAC, LAL VORTAC, PIE VORTAC, TRV VORTAC, PHK VORTAC, PBI VORTAC, ZFP VOR/DME, FLL VOR/DME, MLB VOR/DME, SQT NDB.

REMARKS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	09/20/2012

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

09/20/2012

DEVELOPED BY:

MICHAEL J. DOJCAK AJV-352 03/09/2012

APPROVED BY:

DARRYEL ADAMS AJV-352

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZJX, ORL APP CON, MLB, ATCT.

CHANGES:

1. DEPARTURE NAME CHANGED FROM MELBOURNE THREE TO MELBOURNE FOUR.
2. DP ROUTE DESCRIPTION TAKEOFF RWY 9R CHANGED FROM FLY RUNWAY HEADING UNTIL THE CAPEN FIX THEN TURN LEFT HEADING 360 TO CLIMB ON MLB VOR/DME R-095.71 TO CAPEN INT/MLB VOR/DME 5.18 DME, THEN TURN LEFT HEADING 360 AND TAKEOFF RWY 27L CHANGED FROM FLY RUNWAY HEADING TO CLIMB HEADING 273.89.
3. COMMUNICATIONS: CHANGED DAB DEP CON TO ORLANDO DEP CON.
4. FIXES AND/OR NAVAIDS: VRB VORTAC IDENT CHANGED TO TRV VORTAC.
5. CHARTED VRB R-358 CHANGED TO TRV R-001 AND ADDED TO ADDITIONAL FLIGHT DATA.
6. CHARTED I-MLB R-090 CHANGED TO I-MLB R-094 AND ADDED TO ADDITIONAL FLIGHT DATA.
7. CHARTED MLB R-091 CHANGED TO MLB R-096 AND ADDED TO ADDITIONAL FLIGHT DATA.

REASONS:

1. PER EASTERN FPT AND IAW FAAO 8260.46.
2. IAW FAAO 8260.46.
3. PER MLB ATCT MANAGER.
4. PER FPT AND MEMORANDUM DTD 05/10/2011.
5. VRB IDENT CHANGE TO TRV AND MAGVAR UPDATE.
6. I-MLB MAGVAR UPDATE.
7. MLB VOR/DME MAGVAR UPDATE.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FLL   K7011650VDHW N26042740W080094669    N26042740W080094669E0000000062     NARFORT LAUDERDALE
        SUSAD        LAL   K7011600VTH  N27591025W082005001    N27591025W082005001E0010001342     NARLAKELAND
        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        OMN   K7011260VTH  N29181177W081064561    N29181177W081064561E0000000242     NARORMOND BEACH
        SUSAD        ORL   K7011220VTHA N28323381W081200607    N28323381W081200607E0000001022     NARORLANDO
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        PIE   K7011640VTHA N27542795W082410351    N27542795W082410351W0050000092     NARST PETERSBURG
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE
        SUSAD        ZFP   MY011320VDHW N26331925W078415225    N26331925W078415225W0030000072     WGEFREEPORT
        SUSADB       SQT   K7002570H  W N28055809W080420291                      W0030           NARSATELLITE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CAPEN K70    R     N28062590W080321594                      W0064     NAR           CAPEN

                 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 KMLBK7DMLB4  TRW09R 010CAPENK7EA0E       CF MLB K7      0957005209570050D              18000
        SUSAP KMLBK7DMLB4  TRW09R 020CAPENK7EA0EE  L   FMYMLB K7      095700523600    D
        SUSAP KMLBK7DMLB4  TRW27L 010         0 E      VM                     2739                  18000
        SUSAP KMLBK7DMLB4  VFLL   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VFLL   020FLL  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VLAL   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VLAL   020LAL  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VMLB   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VMLB   020MLB  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VOMN   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VOMN   020OMN  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VORL   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VORL   020ORL  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VPBI   010KMLB K7PA0A       IF                                           18000
        SUSAP KMLBK7DMLB4  VPBI   020PBI  K7D 0VE      DF
        SUSAP KMLBK7DMLB4  VPHK   010KMLB K7PA0A       IF                                           18000
```

CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	

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SUSAP KMLBK7DMLB4  VPHK   020PHK  K7D 0VE      DF
SUSAP KMLBK7DMLB4  VPIE   010KMLB K7PA0A       IF                                    18000
SUSAP KMLBK7DMLB4  VPIE   020PIE  K7D 0VE      DF
SUSAP KMLBK7DMLB4  VSQT   010KMLB K7PA0A       IF                                    18000
SUSAP KMLBK7DMLB4  VSQT   020SQT  K7DB0NE      DF
SUSAP KMLBK7DMLB4  VTRV   010KMLB K7PA0A       IF                                    18000
SUSAP KMLBK7DMLB4  VTRV   020TRV  K7D 0VE      DF
SUSAP KMLBK7DMLB4  VZFP   010KMLB K7PA0A       IF                                    18000
SUSAP KMLBK7DMLB4  VZFP   020ZFP  MYD 0VE      DF
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7GRW09R   0101810939 N28060461W080394008-0100    -0018600032000061150IIMLB1
        SUSAP KMLBK7GRW27L   0101812739 N28060971W080375436+0100    -0021400022070052150R
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW09R	CAPEN	010		CF		FB		095.7()	005.0		
	RW09R	CAPEN	020		FM	L	FB		360.0()			
	RW27L		010		VM		FB		273.9()			
	FLL	KMLB	010		IF		FB					
	FLL	FLL	020		DF		FB					
	LAL	KMLB	010		IF		FB					
	LAL	LAL	020		DF		FB					
	MLB	KMLB	010		IF		FB					
	MLB	MLB	020		DF		FB					
	OMN	KMLB	010		IF		FB					
	OMN	OMN	020		DF		FB					
	ORL	KMLB	010		IF		FB					
	ORL	ORL	020		DF		FB					
	PBI	KMLB	010		IF		FB					
	PBI	PBI	020		DF		FB					
	PHK	KMLB	010		IF		FB					
	PHK	PHK	020		DF		FB					
	PIE	KMLB	010		IF		FB					
	PIE	PIE	020		DF		FB					
	SQT	KMLB	010		IF		FB					
	SQT	SQT	020		DF		FB					
	TRV	KMLB	010		IF		FB					
	TRV	TRV	020		DF		FB					
	ZFP	KMLB	010		IF		FB					
	ZFP	ZFP	020		DF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
FLL	N260427.40	W0800946.69	N2604.457	W08009.778
LAL	N275910.25	W0820050.01	N2759.171	W08200.834
MLB	N280619.02	W0803807.22	N2806.317	W08038.120
OMN	N291811.77	W0810645.61	N2918.196	W08106.760
ORL	N283233.81	W0812006.07	N2832.564	W08120.101
PBI	N264048.19	W0800511.42	N2640.803	W08005.190
PHK	N264657.87	W0804129.16	N2646.965	W08041.486
PIE	N275427.95	W0824103.51	N2754.466	W08241.059
TRV	N274042.33	W0802923.01	N2740.706	W08029.384
ZFP	N263319.25	W0784152.25	N2633.321	W07841.871
SQT	N280558.09	W0804202.91	N2805.968	W08042.049
CAPEN	N280625.90	W0803215.94	N2806.432	W08032.266
RW09R	N280604.61	W0803940.08	N2806.077	W08039.668
RW27L	N280609.71	W0803754.36	N2806.162	W08037.906

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MELBOURNE	FOUR	MLB4.MLB	THREE	12/30/1999	

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09R	00032	61
RW27L	00022	52

QUALITY CHECKED

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:

QUALITY 3 CHECKED

DISTRIBUTION:

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

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	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	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	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 CHECKED

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	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

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

ORIGINAL SIGNED BY

Subject: **ACTION:** Magnetic Variation Change

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)