Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 02/03/2012	Task #: 2010120925283505007	Request #: 20101209252835
Procedure: RNAV (GPS) Z RWY 10L AMDT 3		Airport ID: KFLL	Airport: FORT LAUDERDALE/HOLLYWOOD INTL		Reimbursable #:
City: FORT LAUDERDALE	ST: FL	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: CHRISTOPHER COX			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/06/2012	02/08/2013	ADOLFO URRUTIA	
QA:	02/08/2013	02/08/2013	SCOTT BEARD	
Liaison:	02/08/2013		Spurlin	MAGVAR

MAG VAR P1

Procedure Comments:

Remark Type: INFORMATION

pkg 2 of 2

FORT LAUDERDALE, FL FORT LAUDERDALE/HOLLYWOOD INTL (KFLL) RNAV (GPS) Z RWY 10L, AMDT 3 (LPV) ENROUTE-NO FC: 3.5.13 PUB: 5.2.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): MARTS-INT, REV 10; NOVAE-INT, REV 10; PIONN-INT, REV 14.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

New

WAAS CH 48902 W10A	APP CRS 096°	Rwy ldg 8423 THRE 6 Apt Elev 9

RNAV (GPS) Z RWY 10L
FORT LAUDERDALE/HOLLYWOOD INTL (FLL)

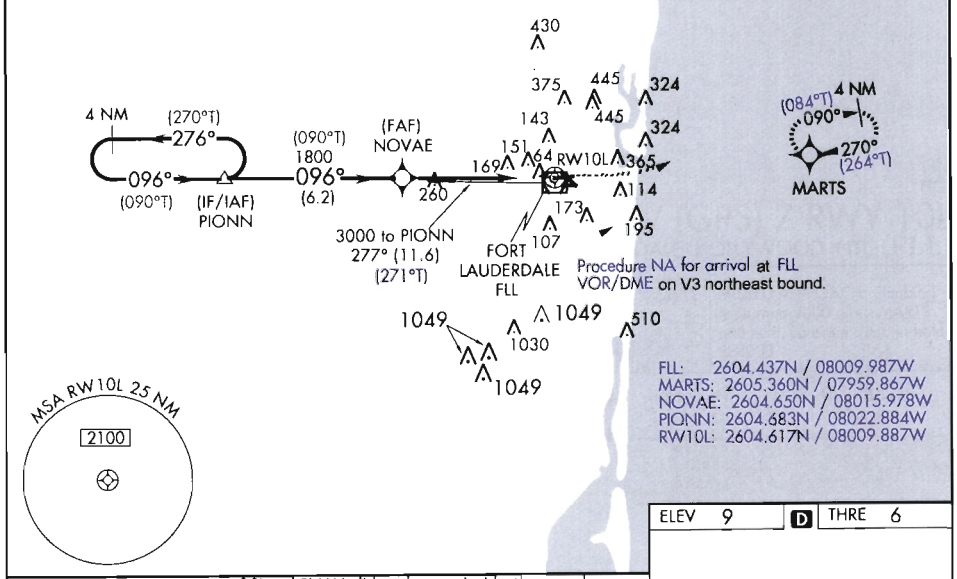
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below 5°C (40°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inoperative MALSR, increase LNAV Cat A,B visibility to RVR 5500, and Cat C,D visibility to 1⅝ miles. Helicopter visibility reduction below 4000 RVR not authorized. Circling to Rwy 28L NA at night. Inoperative table does not apply to LPV and LNAV/VNAV all Cats.

MALSR

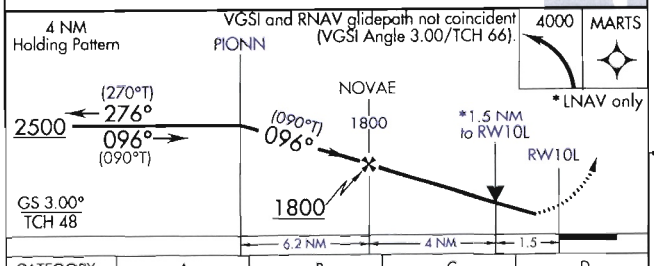
MISSED APPROACH: Climbing left turn to 4000 direct MARTS and hold, continue climb-in-hold to 4000.

ATIS	MIAMI APP CON	FORT LAUDERDALE TOWER	GND CON	CLNC DEL
135.0	133.775 285.6	119.3 257.8	121.4	128.4

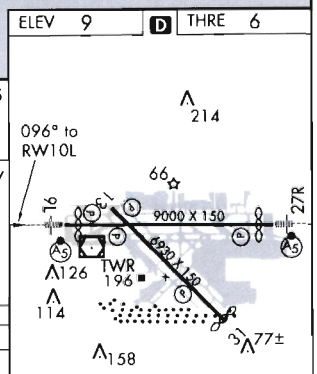
PROTOTYPE-NOT FOR NAVIGATION



FLL: 2604.437N / 08009.987W
MARTS: 2605.360N / 07959.867W
NOVAE: 2604.650N / 08015.978W
PIONN: 2604.683N / 08022.884W
RW10L: 2604.617N / 08009.887W



CATEGORY	A	B	C	D
LPV DA	256/40 250 (200-¾)			
LNAV/VNAV DA	476-1⅝ 470 (500-1⅝)			
LNAV MDA	560/40 554 (600-¾)		560/60 554 (600-1¼)	
CIRCLING	680-1 671 (700-1)		680-2 671 (700-2)	700-2¼ 691 (700-2¼)



REIL Rwys 10R, 13 and 31
HIRL Rwy 10L-28R
MIRL Rwys 10R-28L and 13-31

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
FLL VOR/DME	PIONN (FO)	277.26 / 11.62	3000
PIONN (IF/IAF)	NOVAE (FB)	096.28 / 6.22	1800
NOVAE (FAF)	RW10L (MAP) (FO)	096.33 / 5.48	
RW10L (MAP)	256 MSL	096.33	
256 MSL	MARTS (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW10L

CLIMBING LEFT TURN TO 4000 DIRECT MARTS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W PIONN, LT, 096.28 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 096.33 FAF: NOVAE DIST FAF TO MAP: 5.48 THLD: 5.48
4. MIN. ALT: PIONN 2500, NOVAE 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: NOVAE 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.6 34:1 IS NOT CLEAR
8. MSA FROM: RW10L 2100

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 270.00 INBOUND.
CHART FAS OBST: 260 TOWER 260424N/0801442W
DISTANCE TO THLD FROM 250 HATH: 0.63 NM.
CHART VDP AT 1.53 MILES TO RW10L*
*LNAV ONLY.
WAAS CHANNEL # 48902
REFERENCE PATH ID: W10A
LTP HAE: -23.8 M

MAG VAR: 6W 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	256	4000	250	256	4000	250	256	4000	250	256	4000	250			
LNAV/VNAV DA	476	1 5/8	470	476	1 5/8	470	476	1 5/8	470	476	1 5/8	470			
LNAV MDA	560	4000	554	560	4000	554	560	6000	554	560	6000	554			
CIRCLING	680	1	671	680	1	671	680	2	671	700	2 1/4	691			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 5C (40F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A,B VISIBILITY TO RVR 5500, AND CAT C,D (SEE FORM 8260-10)

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	AMDT: 2
				DATED 11/18/2010

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZMA, MIA APP CON, FLL ATCT, AIRPORT MANAGER

FLIGHT CHECKED BY		
NAME: PENDING	FIFO	DATE:
DEVELOPED BY		
NAME: CHRISTOPHER COX	FIFO AJV-352	DATE: 11/13/2012
APPROVED BY		
NAME: SUSAN CRUMB MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. FLL V/DME TO PIONN CHANGED FROM 274.16/11.80 TO 277.26/11.62
2. PIONN TO NOVAE CHANGED FROM 093.26/6.30 TO 096.28/6.22
3. FINAL APPROACH SEGMENT CHANGED FROM 093.32/5.40 TO 096.33/5.48
4. COURSE REVERSAL AT PIONN CHANGED FORM 093.26 TO 096.28
5. R09L REFERENCES CHANGED TO R10L
6. DISTANCE FROM HATH TO THLD CHANGED FROM 0.80 TO 0.63
7. LPV DA CHANGED FROM 307/300 TO 256/250 ALL CATS
8. LNAV/VNAV DA/HATH CHANGED FROM 496/489 TO 476/470 ALL CATS AND VIS INCREASE FROM 6000 RVR TO 1 5/8 MILES
9. LNAV HATH CHANGED FROM 553 TO 554 ALL CATS AND VISIBILITY CHANGED FROM 5000 TO 6000 CATS C/D
10. UPDATED MALSR INOP NOTE FROM CATS A/B 5000 TO CATS A/B 5500 AND ADDED ADJUSTMENTS FOR CATS C/D
11. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE FORMAT
12. UPDATED BARO-VNAV COLD/HOT TEMP LIMITS FROM -15(5),49(120) TO 5(40), 54(130)
13. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT ADOTE AND ON TRACK 085.77 TO MARTS AND HOLD..." TO "CLIMBING LEFT TURN TO 4000 DIRECT TO MARTS AND HOLD..."

SEE 8260-10

REASONS:

1-6, 14. KFLL MAGVAR UPDATE FROM 3W TO 6W AND RUNWAY RENUMBERING
7. 8260.3B VOLUME 1 CHAPTER 3 SAYS TO REFERENCE HEIGHTS FROM THLD AND LOWERED TO MATCH ILS DA/HATH
8. DUE TO UPDATED LNAV/VNAV CRITERIA AND SLOPE GUIDANCE.
9. 8260.3B VOLUME 1 CHAPTER 3 SAYS TO REFERENCE HEIGHTS FROM THLD AND UPDATED TEMPS CHANGED OCS MEASUREMENTS
10. APPLICATION OF 8260.3B VOLUME 1, CHAPTER 3, CHANGE 20
11. 8260.19E AND TERMINAL MEMO DATED 8/27/12
12. USED 5 YR HISTORICAL TEMPERATURE DATA TO CALCULATE AVERAGE COLD TEMPERATURE AND AFS HIGH TEMP CALCULATOR FOR THE HIGH LIMITS
13. REMOVED ADOTE: UNABLE TO CONSTRUCT CURRENT MISSED APPROACH BECAUSE OF MINIMUM LEG LENGTH FROM ADOTE TO MARTS. CLIMB TO ALTITUDE NOT REQUIRED IAW 8260.54A PAR 6.2.1 WHICH SAYS SPECIFYING A TURNING ALTITUDE IS REQUIRED IF THE REQUIRED ALTITUDE IS HIGHER THAN 400' ABOVE AIRPORT.
15. VGSI TCH DATA CHANGED BETWEEN REVISIONS: VGSI ANGLE AND TCH IS USED TO CALCULATE THE VDP.
16. OBSTACLE PENETRATES R28L VISUAL SURFACE

EFFECTIVE CONCURRENT WITH:

KFLL ILS OR LOC RWY 10L AMDT 22

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NOTES, (CONT.):
VISIBILITY TO 1 5/8 MILES.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 4000 RVR NOT AUTHORIZED.
CHART NOTE: CIRCLING TO RWY 28L NA AT NIGHT
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT FLL VOR/DME ON V3 NORTHEAST BOUND.

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	AMDT: 2
				DATED: 11/18/2010

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.
14. MISSED APPROACH HOLDING INBOUND AT MARTS CHANGED FROM 267.00 TO 270.00 15. VDP CHANGED FROM 1.53 TO 1.53 MILES 16. ADDED R28L NIGHT RESTRICTION

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFLL
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	260436.9850N
LTP/FTP LONGITUDE	0800953.2215W
LTP/FTP ELLIPSOIDAL HEIGHT	-00238
FPAP LATITUDE	260436.4000N
FPAP LONGITUDE	0800814.2700W
THRESHOLD CROSSING HEIGHT (TCH)	00047.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0184
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	609037B1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00018
FPAP ORTHOMETRIC HEIGHT	+00018

QUALITY CHECKED 11

CITY AND STATE	ELEVATION: 9 THRE: 6 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
FORT LAUDERDALE, FL	FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	SUP: RNAV (GPS) Z RWY 9L AMDT: 2 DATED: 11/18/2010

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        FLL   K7011440VDHW N26042620W080095919    N26042620W080095919W0060000062     NARFORT LAUDERDALE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   MARTS K70    C     N26052161W079595202                      W0064     NAR           MARTS
        SUSAEAENRT   NOVAE K70    C     N26043899W080155868                      W0062     NAR           NOVAE
        SUSAEAENRT   PIONN K70    C   L N26044096W080225304                      W0062     NAR           PIONN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7AFLL     0     090YHN26042135W080090987W006000009         1800018000C    MNAR    FORT LAUDERDALE/HOLLYWOOD INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7FR10LZ AFLL   010FLL  K7D 0V       IF                                                18000                A JS
        SUSAP KFLLK7FR10LZ AFLL   020PIONNK7EA0EY   020TF                    27730116    + 03000                            A JS
        SUSAP KFLLK7FR10LZ AFLL   030PIONNK7EA0EE AL   HF                    09630040    + 02500                            A JS
        SUSAP KFLLK7FR10LZ R      010PIONNK7EA0E  I    IF                                + 02500     18000                  A JS
        SUSAP KFLLK7FR10LZ R      020NOVAEK7EA1E  F 051TF                    09630062    + 01800                  RW10L K7PGA JS
        SUSAP KFLLK7FR10LZ R      020NOVAEK7EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KFLLK7FR10LZ R      030RW10LK7PG0GY M 031TF                    09630055      00054             -300          A JS
        SUSAP KFLLK7FR10LZ R      040         0  M     CA                    0963        + 00256                            A JS
        SUSAP KFLLK7FR10LZ R      050MARTSK7EA0EY  L   DF                                + 04000                            A JS
        SUSAP KFLLK7FR10LZ R      060MARTSK7EA0EE  R   HM                    27000040    + 04000                            A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7GRW10L   0090000964 N26043699W080095322+0000    -0023800006057648150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7PR10LZ RW10L001Z0000W10A0N2604369850W08009532215-002380300N2604364000W080081427001067501840004 76F400500609037B1
        SUSAP KFLLK7PR10LZ RW10L002E      +00018+00018LPV       48902

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	AMDT: 2
				DATED: 11/18/2010

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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```
SUSAP KFLLK7SRW10LK7PG          0   18018002125                                    M
```

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	AMDT: 2
				DATED: 11/18/2010

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**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FLL	FLL	010		IF		FB					
	FLL	PIONN	020		TF		FO	2.0	277.3(271.3T)	011.6	AA 03000	
	FLL	PIONN	030	IAF	HF	L	FO		096.3(090.3T)	004.0	AA 02500	
		PIONN	010	FACF	IF		FB				AA 02500	
		NOVAE	020	FAF	TF		FB	0.5	096.3(090.3T)	006.2	AA 01800	
		RW10L	030	MAP	TF		FO	0.3	096.3(090.3T)	005.5	AT 00054	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		096.3(090.3T)		AA 00256	
	MARTS	050		DF	L	FO				AA 04000	
	MARTS	060		HM	R	FO		270.0(264.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FLL	N260426.20	W0800959.19	N2604.437	W08009.987
	MARTS	N260521.61	W0795952.02	N2605.360	W07959.867
	NOVAE	N260438.99	W0801558.68	N2604.650	W08015.978
	PIONN	N260440.96	W0802253.04	N2604.683	W08022.884
	RW10L	N260436.99	W0800953.22	N2604.617	W08009.887

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	00006	48

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	AMDT: 2
				DATED: 11/18/2010

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	FLL VOR/DME	PIONN	1. TOWER (12-002983)	260356.00N/0802018.00W	325 (5E)	1000	AT1675	3000
			2. TERRAIN	260621.00N/0801315.00W	17 (0)		AS1500	1500
INTERMEDIATE	PIONN (IF/IAF)	NOVAE	1. TOWER (12-002983)	260356.00N/0802018.00W	325 (5E)	500	AT975	1800
			3. TERRAIN	260630.00N/0801800.00W	14 (0)		AS1500	1500
FINAL: LPV	NOVAE	RW10L				ASC	XP50	256/250
FINAL: LNAV/VNAV	NOVAE	RW10L	4. TOWER (12-000210)	260506.00N/0801101.00W	151 (4D)	21.44:1	AC50	476/470
FINAL: LNAV	NOVAE	RW10L	5. TOWER (12-000822)	260424.00N/0801442.00W	260 (4D)	250	AC50	560
2. HOLD-IN-LIEU-OF-PT	PIONN	P-5	6. TOWER (12-001900)	260843.00N/0802042.00W	444 (5E)	1000	AT1056	2500
			7. TERRAIN	260830.00N/0801900.00W	14 (0)		AS1500	1500
3. MISSED APPROACH — MAP:	DA / DA / RW10L	MARTS				ASC		4000
			8. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	1000		1400
ELEV:	69/315/460		9. TERRAIN	260609.00N/0801106.00W	17 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	671	8. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680
CATEGORY B	1.5 NM	450	671	8. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680
CATEGORY C	1.7 NM	450	671	8. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680
CATEGORY D	2.3 NM	550	691	10. BLDG (12-002192)	260652.04N/0800829.84W	399 (1A)	300		700
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW10L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-000668)	192/ 05.0	1049 (1C)	2100					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FORT LAUDERDALE, FL	FORT LAUDERDALE/HOLLYWOOD INTL	RNAV	RNAV (GPS) Z RWY 10L, AMDT 3	ASO

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
	X	MALSR 10L, 28R
	X	HIRL 10L, 28R
	X	MIRL 10R, 28L
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 10L, 10R, 28R, 28L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 10L, 10R, 28R, 28L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	10L, 28R
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 5.9
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 47.6

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

10. WAIVERS: 1

ORDER 8260.54A, PARAGRAPH 3.4; OBSTACLE CLEARANCE SURFACE (OCS) "X" AND "W" SURFACE PENETRATIONS NORTH AND SOUTH OF RUNWAY 10L CENTERLINE ON TAXIWAYS A AND B.

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 11/13/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

ACTUAL HIGH TEMP: 54C (130F)

ISA DEVIATION USED: 9.98C (14.03F)

THRESHOLD DISPLACED 576.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

3. ALTIMETER SETTING
SOURCE: KFLL (ON SERVICE A)
BACKUP ALTIMETER NOT REQUIRED DUE TO REDUNDANT ALTIMETER SOURCES ON AFLD.

VGSI DATA: 3.00/65.9

WAIVER: FAAO 8260.54A PARA 3.4 OBSTACLE CLEARANCE SURFACE (OCS) "X" AND "W" SURFACE PENETRATIONS NORTH AND SOUTH OF RUNWAY 10L CENTERLINE ON TAXIWAYS A AND B.

SEE ATTACHED AIRSPACE LETTER.

PARA 3.3.2 C, 34:1 PENETRATION

TAA NOT DEVELOPED PER FPT AND AIR TRAFFIC.

AVG VEG 100'

SLOPES:
LPV = 34:1
LNAV/VNAV = 21.44

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1
90 TREE (KFLL0011) 260431.22N-0801024.61W (5.94)
R28L
90 TREE (KFLLT1377) 260354.85N-0800759.33W (40.82)
71 TREE (KFLLT1378) 260355.51N-0800759.16W (21.07)
88 TREE (KFLLT1384) 260358.90N-0800756.89W (27.84)
109 TREE (KFLLT1388) 260358.07N-0800756.17W (45.53)
96 TREE (KFLLT1394) 260358.07N-0800752.89W (17.43)

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2007-2011)

XP - PER FPO, LPV DA 256/HATH 250/ RVR 4000 DUE TO PENETRATION OF THE INNER OFZ (APPROACH LIGHT PLANE) IAW 8260.54A, PARA 2.16
OBSTACLE FREE ZONE PENETRATION:
23 MSL ROAD (KFLL0006) 260436.98N/0801004.77W
PENETRATES BY 0.20 FT.

QUALITY CHECKED 11

RADIO FIX AND HOLDING DATA RECORD

NAME: MARTS **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 260521.61N/0795952.02W **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	FORT LAUDERDALE	FLL	VOR/DME	H	090.19	084.19	9.16	9.16		2000	17500
2	VIRGINIA KEY	VKZ	VOR/DME	H	026.74	022.74		21.89		2000	17500
3	DOLPHIN	DHP	VORTAC	H	051.58	047.58	25.70	25.70		2000	17500
4	PALM BEACH	PBI	VORTAC	H	175.28	172.28		35.66		2000	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	NE	DHP	VORTAC	051.58	231.58	R	1		4000	6000	6	7
2	E		WP	090.00	270.00	R		4	4000	10000	5	10
3	E	FLL	VOR/DME	090.19	270.19	R	1		4000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG (12-000952)	260545.36N/0800623.47W	324	1A
1	310	BLDG (12-004908)	255902.07N/0800709.97W	510	5D
2	200	SHIP	260552.24N/0795935.10W	250	4D
2	310	BLDG (KFLLT3046)	260705.07N/0800831.69W	452	1A
3	200	SHIP	260552.24N/0795935.10W	250	4D
3	310	BLDG (KFLLT3046)	260705.07N/0800831.69W	452	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 10L (ALT MISS)	KFLL	FORT LAUDERDALE	FL (US)
1	LOC RWY 10R (ALT MISS)	KFLL	FORT LAUDERDALE	FL (US)
2	RNAV (RNP) Y RWY 10L	KFLL	FORT LAUDERDALE	FL (US)
2	RNAV (GPS) Z RWY 10L	KFLL	FORT LAUDERDALE	FL (US)
2	RNAV (GPS) Y RWY 10R	KFLL	FORT LAUDERDALE	FL (US)
2	RNAV (RNP) Z RWY 10R	KFLL	FORT LAUDERDALE	FL (US)
3	LOC RWY 10R	KFLL	FORT LAUDERDALE	FL (US)
3	ILS OR LOC RWY 10L	KFLL	FORT LAUDERDALE	FL (US)

REMARKS:
FORT LAUDERDALE (FAC 1) AND VIRGINIA KEY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
KFLL MAGVAR CHANGED FROM 3W TO 2015 6W.
FLL VDME MAGVAR CHANGED FROM 0 TO 2015 6W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1, 2	3	KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 10L (ALT MISS)	3, 4	1	KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 10R	1, 2	3	KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 10R (ALT MISS)	3, 4	1	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) Y RWY 10R		2	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) Z RWY 10L		2	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Y RWY 10L		2	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Z RWY 10R		2	KFLL	FORT LAUDERDALE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:

QUALITY CHECKED

1. FAC 1 MAG BRG/TRUE BRG CHANGED FROM 084.16/084.16 TO 090.19/084.19.
2. FAC 1 DME/DIST FROM NM CHANGED FROM 8.97 TO 9.16.
3. PATS RENUMBERED INCIDENTALLY (PAT 1 BECAME PAT 3, PAT 4 BECAME PAT 1).
4. PAT 2 DELETED: ITS ONLY ASSOCIATION WAS KFLL RNAV (GPS) RWY 13 WHICH IS BEING CANCELLED CONCURRENT WITH FIX PUBLICATION.
5. FLL VDME PAT (NOW # 3) RAD.CRS.BRG CHANGED FROM 084.00 TO 090.19 AND CRS INBOUND FROM 264.00 TO 070.19.
6. WP PAT #2 RAD.CRS.BRG CHANGED FROM 087.00 TO 090.00 AND CRS INBOUND FROM 267.00 TO 270.00.
7. UPDATED CONTROLLING OBSTACLES FOR FLL VDME (PAT 3) 310 KT, WP (PAT 2) 310 KT, AND DHP VTC (PAT 1) 310 KT.
8. UPDATED SHIP ACCURACY CODE FROM 2C TO 4D FOR PROCEDURAL CONSISTENCY (REF ILS OR LOC RWY 28R PNOTAM SHIP ACCURACY PER EFPT)
9. UPDATED FIX USE: DELETED KFLL RNAV (GPS) RWY 13 AND LOC/DME RWY 13

DEVELOPED BY:	**DATE:** 10/24/2012	**OFFICE:** AJV-352	**NAME:** CHRISTOPHER COX
APPROVED BY:	**DATE:**	**OFFICE:** AJV-352	**NAME:** SUE CRUMB
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON, FLL ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PIONN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 260440.96N/0802253.04W **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	FORT LAUDERDALE	I-LHI	LOC/DME		276.37	270.37	13.17	13.20		2000	4500
2	DOLPHIN	DHP	VORTAC	H	358.00	354.00		16.73		2000	17500
3	FORT LAUDERDALE	FLL	VOR/DME	H	277.26	271.26	11.62	11.62		2000	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		WP	276.28	096.28	L		4	2500	4000	5	5
2	W	FLL	VOR/DME	277.26	097.26	L	1		4000	10000	5	10
3	W	I-LHI	LOC/DME	276.37	096.37	L	1		2500	4000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001900)	260843.00N/0802042.00W	444	5D
1	310	TOWER (12-001900)	260843.00N/0802042.00W	444	5D
2	200	TOWER (12-001900)	260843.00N/0802042.00W	444	5D
2	310	TOWER (12-001900)	260843.00N/0802042.00W	444	5D
3	200	TOWER (12-001900)	260843.00N/0802042.00W	444	5D
3	310	TOWER (12-001900)	260843.00N/0802042.00W	444	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 AIR TRAFFIC REQUEST
PAT 2 AIR TRAFFIC REQUEST
PAT 3 AIR TRAFFIC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Y RWY 28R	KFLL	FORT LAUDERDALE	FL (US)
1	RNAV (RNP) Z RWY 28R	KFLL	FORT LAUDERDALE	FL (US)
2	VOR RWY 28R	KFLL	FORT LAUDERDALE	FL (US)
3	ILS OR LOC RWY 28R	KFLL	FORT LAUDERDALE	FL (US)

REMARKS:
FORT LAUDERDALE (FAC 1) AND DOLPHIN (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-LHI DME COORDINATES: 260440.18N / 0800815.67W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
KFLL R10L DISPLACED THRESHOLD COORDINATES: 260436.99N / 0800953.22W.

INFO ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V267, V437	1, 2, 3				(US)
IAP	ILS OR LOC RWY 10L	1, 2	3	KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 28R	2, 3	2	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) Y RWY 28R		1	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) Z RWY 10L		1	KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Y RWY 10L			KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Z RWY 28R		1	KFLL	FORT LAUDERDALE	FL (US)
IAP	VOR RWY 28R	2, 3	2	KFLL	FORT LAUDERDALE	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:

1. UPDATED FAC 1 MAG/TRUE BRG FROM 273.36/270.36 TO 276.37/270.37
2. UPDATED FAC 1 DIST FROM NM FROM 13.17 TO 13.20
3. UPDATED FAC 3 MAG/TRUE BRG FROM 271.16/271.16 TO 277.26/271.26
4. UPDATED FAC 3 DME/DIST FROM NM FROM 11.80 TO 11.62
5. UPDATED HOLDING ALL PATS RAD/CRS/BRG AND CRS INBOUND TO ACCOUNT FOR KFLL MAG/VAR UPDATE FROM 3W TO 6W
6. UPDATED FIX USE TO ACCOUNT FOR KFLL RWY RENUMBERING
7. UPDATED LHI DME L/L
8. UPDATED DRWT L/L
9. UPDATED FAC 3 MAG BRG TO ACCOUNT FOR FLL VOR/DME MAG VAR CHANGE FROM 0 TO 6W
10. UPDATED FAC 2 DIST NM FROM 16.72 TO 16.73

02/28/2013: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 10/23/2012.
1. FACILITY 1 ID CHANGED FROM I-UDL TO I-LHI

DEVELOPED BY: **DATE:** 10/23/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON, FLL ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NOVAE **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 260438.99N/0801558.68W **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	FORT LAUDERDALE	I-LHI	LOC/DME		276.37	270.37	6.95	6.99	42449	1800	4500
2	DOLPHIN	DHP	VORTAC	H	019.07	015.07		17.19		1800	17500

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

REMARKS:
FORT LAUDERDALE (FAC 1) USED TO ESTABLISH FIX COORDINATES
KFLL R10L DISPLACED THRESHOLD COORDINATES: 260436.99N/0800953.22W
I-LHI DME COORDINATES: 260440.18N/0800815.67W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ARKES (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	BAHMA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	PREDA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	ZAPPA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 10L	1, 2		KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) Z RWY 10L			KFLL	FORT LAUDERDALE	FL (US)
IAP	THNDR (RNAV)			KFLL	FORT LAUDERDALE	FL (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. UPDATED DRWT L/L IN REMARKS.
2. UPDATED RWY IDENT IN REMARKS.
3. UPDATED LHI DME L/L.
4. FIX L/L UPDATED: MOVED 491.55 FT WEST.
5. UPDATED FAC 1 MAG BRG/TRUE BRG FROM 273.36/270.36 TO 276.37/270.37 AND DIST FROM NM FROM 6.87 TO 6.99.
6. UPDATED FAC 2 MAG BRG/TRUE BRG FROM 091.33/015.33 TO 019.07/015.07 AND DIST FROM NM FROM 17.21 TO 17.19.
7. REMOVED FIX COORDINATES REFLECT LOCATION OF RNP PFAF FROM REMARKS.
8. UPDATED RWY IDENT AND DISPLACED THLD L/L IN REMARKS.
9. UPDATED I-LHI DME L/L IN REMARKS.
10. UPDATED FIX USE TO UPDATED RWY NUMBERING AND MISSPELLING ON RNAV (GPS) Z RWY 10L.

DEVELOPED BY: **DATE:** 10/24/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON, FLL ATCT
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **FORT LAUDERDALE** STATE: **FL**

AIRPORT NAME: **FORT LAUDERDALE/HOLLYWOOD INTL** ID: **KFLL**

PROCEDURE: **RNAV (GPS) Z RWY 10L** AMDT: **3**

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 **2.97**
   (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 **090.33**
4. High Terrain in **FINAL** segment containing 1000' point **14**
5. Distance from **THLD** to 1500' point **4.54**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.20**
7. True Course of **FINAL** segment containing 1500' point **090.33**
8. High Terrain in **FINAL** segment containing 1500' point **14**
9. Threshold Coordinates (if straight-in) ... **260436.99N** / **0800953.22W**
10. ARP Coordinates ..... **260421.35N** / **0800909.87W**
11. Runway Approach End and distance furthest from ARP ..... RWY **28L**
    Distance **1.09** NM
12. FAF Coordinates ..... **260438.99N** / **0801558.68W**

REMARKS: Approach/Drawing attached.
DISPLACED THLD. ACTUAL THLD IS 260437.0207N/0800959.5429W

Federal Aviation Administration

Memorandum

Date:

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

From: Susan L. Crumb, Manager, Eastern Products Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change for Fort Lauderdale/Hollywood Intl , Fort Lauderdale, FL (KFLL)

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 DSmith
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 SCrumb
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 JAlfonso
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.

Fort Lauderdale_Hollywood Intl, Fort Lauderdale, FL (KFLL)

ILS OR LOC RWY 10L, Amdt 22
ILS OR LOC RWY 28R, Amdt 10
*LOC/DME RWY 13, Amdt 2 (CANCEL)
*RNAV (GPS) RWY 13, Amdt 3 (CANCEL)
*RNAV (GPS) RWY 31, Amdt 3 (CANCEL)
RNAV (GPS) Y RWY 28R, Amdt 3
RNAV (GPS) Z RWY 10L, Amdt 3
RNAV (RNP) Y RWY 10L, Amdt 1
RNAV (RNP) Z RWY 28R, Amdt 1
VOR RWY 28R, Amdt 13
SID BAHMA THREE (RNAV)
SID FORT LAUDERDALE THREE
SID PREDA TWO (RNAV)
SID THNDR TWO (RNAV)
SID ZAPPA TWO (RNAV)
STAR DEKAL THREE
STAR GISSH FOUR
STAR JINGL (RNAV) TWO

Miami Intl, Miami, FL (KMIA)

SID MIAMI TWO
SID POTTR FOUR

Hard Chart Date: 05/02/2013

Runway Numbers are affected with the airport rotation; 09L/27R change to 10L/28R; 09R/27L change to 10R/28L; also, *13/31 closed permanently concurrent with this action.

Please publish these changes in the National Flight Data Digest.

FLORIDA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Is	Epoch Year
Fort Lauderdale	Fort Lauderdale/Hollywood Intl	Airport	KFLL / FLL	Old 3° West New 6° West	2015
Fort Lauderdale		ILS	LHI	Old 3° West New 6° West	2015
Fort Lauderdale		ILS	UDL	Old 3° West New 6° West	2015
Fort Lauderdale		LOC	FLL	Old 3° West New 6° West	2015
Fort Lauderdale	Fort Lauderdale	VOR/DME	FLL	Old 0° East New 6° West	2015

If you have any questions please notify Susan L. Crumb, susan.l.crumb@faa.gov (405-954-8686).

cc: AJV-3rf
sjb:x7537:10/19/2012: (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\ Change for Fort Lauderdale, FL (KFLL) 10-25-12 @ECD Requestor: CCox , Evaluated By: LFortier