Flight Procedure Tracking Form

Action: FLIGHT CHECK	**Task Type:** IAP	**Date Open:** 02/03/2012	**Task #:** 2010120925283505001	**Request #:** 20101209252835
Procedure: ILS OR LOC RWY 10L AMDT 22	**Airport ID:** KFLL	**Airport:** FORT LAUDERDALE/HOLLYWOOD INTL		**Reimbursable #:**
City: FORT LAUDERDALE **ST:** FL	**GPS #:**		**Estimated Chart Date:** 05/02/2013	**FICO #:**
Fac ID: LHI **Fac. Type:** ILS	**Specialist:** CHRISTOPHER COX			

Procedure Review

MAG VAR

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/06/2012	02/06/2013	CASIMIR TABAKA	
QA:	02/06/2013	02/06/2013	CASIMIR TABAKA	
Liaison:	02/06/2013		Spurlin	HARD DATE - MAGVAR

Procedure Comments:

Remark Type: INFORMATION

pag 1 of 3

FORT LAUDERDALE, FL FORT LAUDERDALE/HOLLYWOOD INTL (KFLL) ILS OR LOC RWY 10L, AMDT 22 ENROUTE-NO HARD DATE: 5.2.13

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

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

ILS or LOC RWY 10L
FORT LAUDERDALE/HOLLYWOOD INTL (FLL)

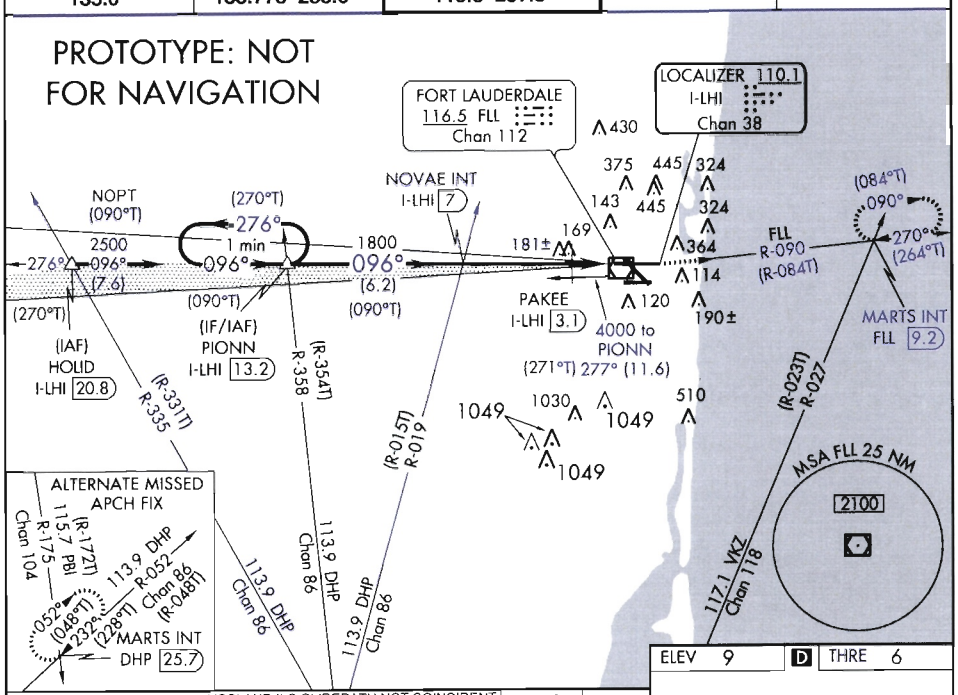
LOC/DME I-LHI	APP CRS	Rwy ldg	8423
110.1	096°	THRE	6
Chan 38		Apt Elev	9

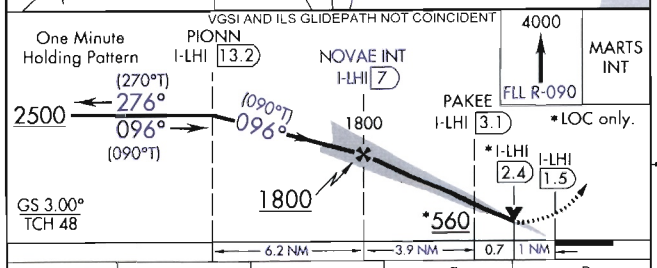
Inoperative table does not apply to S-ILS 10L. Helicopter visibility reduction below RVR 4000 not authorized. Circling to Rwy 28L NA at night. For inoperative MALSR, increase S-LOC 10L Cats A, B visibility to RVR 5000 and Cats C/D visibility to 1⅝ miles. PAKEE fix minimums: increase S-LOC 10L all Cats visibility to RVR 5000.

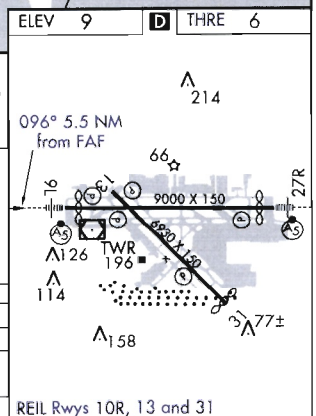
MALSR

MISSED APPROACH: Climb to 4000 on FLL VOR/DME R-090 to MARTS INT/FLL 9.2 DME 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







CATEGORY	A	B	C	D
S-ILS 10L	256/40 250 (300-¾)			
S-LOC 10L	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)
PAKEE FIX MINIMUMS				
S-LOC 10L	380/40 374 (400-¾)			
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

FAF to MAP 5.5 NM

Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FLL VOR/DME	PIONN INT/I-LHI 13.17 DME	277.25 / 11.62	4000
HOLID INT/I-LHI 20.78 DME (IAF)	PIONN INT/I-LHI 13.17 DME (NOPT)	096.37 / 7.61 (I-LHI)	2500
PIONN INT/I-LHI 13.17 DME (IF/IAF)	NOVAE INT/I-LHI 6.95 DME	096.37 / 6.22 (I-LHI)	1800

MISSED APPROACH

ILS: DA
LOC: 5.48 MILES AFTER NOVAE INT/LHI 6.95 DME OR AT I-LHI 1.46 DME FIX

CLIMB TO 4000 ON FLL VOR/DME R-090 TO MARTS INT/FLL 9.16 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMBING RIGHT TURN TO 4000 ON HEADING 108 AND ON DHP VORTAC R-52 TO MARTS INT/DHP 25.70 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 270.19 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE MARTS INT/DHP 25.70 DME, RT, 231.58 INBOUND.
CHART FAS OBST: 169 POLE 260459N/0801150W
CHART VDP AT 2.43 DME*;
DISTANCE VDP TO THLD 0.97 MILES.
*LOC ONLY.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W PIONN, LT, 096.37 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
3. FAC: 096.37 FAF: NOVAE INT/I-LHI 6.95 DME DIST FAF TO MAP: 5.48 THLD: 5.48
4. MIN. ALT: PIONN 2500, NOVAE 1800, PAKEE/I-LHI 3.10 DME 560*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 991
6. MIN GS INCPT: 1800 GS ALT AT: NOVAE OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 47.6
8. MSA FROM: FLL VOR/DME 2100

MAG VAR: 6W EPOCH YEAR: 2015

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 10L	256	4000	250	256	4000	250	256	4000	250	256	4000	250			
S-LOC 10L	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			
PAKEE FIX MINIMUMS															
S-LOC 10L	380	4000	374	380	4000	374	380	4000	374	380	4000	374			
CIRCLING	680	1	671	680	1	671	680	2	671	700	2 1/4	691			

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 10L.
*LOC ONLY
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
CHART NOTE: CIRCLING TO RWY 28L NA AT NIGHT.
(SEE FORM 8260-10)

CAT A, B, C 700-2, CAT D 700-2 1/4
@ CAT D 800-2 1/4

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 91
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22, 05/02/2013	AMDT: 21
				DATED 12/16/2010

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		05/02/2013

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: 11/08/2012
APPROVED BY		
NAME: SUSAN CRUMB MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. FLL VOR/DME TO PIONN CHANGED FROM 271.16/11.80 TO 277.25/11.62
2. HOLID TO PIONN CHANGED FROM 093.36 TO 096.37
3. PIONN TO NOVAE CHANGED FROM 093.36/6.63 TO 096.37/6.22
4. FINAL COURSE CHANGED FROM 093.36/5.40 TO 096.37/5.48
5. MAG/VAR CHANGED FROM 3W TO 6W
6. ADDED VISIBILITY REDUCTION NOTE FOR HELICOPTERS
7. S-ILS DA CHANGED FROM 256 TO 257
8. S-LOC HATH CHANGED FROM 554 TO 554 AND CAT C RVR FROM 5000 TO 6000
9. S-LOC PAKEE FIX MINIMUMS HATH CHANGED FROM 374 TO 373
10. EXPANDED MALSR INOP NOTE TO INCLUDE CATS C/D AND ALL CATS FOR PAKEE FIX MINIMUMS ADJUSTMENTS
11. MAP DEFINITION FROM 5.40 MILES AFTER NOVAE OR 1.47 DME TO 5.46 NM AFTER NOVAE OR 1.46 DME
12. CHANGED MISSED APPROACH HOLD INBOUND FROM 264 TO 270
13. CHANGED MISSED APPROACH (PRIMARY) FLL RADIAL FROM 264 TO 270, MARTS FLL DME DIST FROM 8.97 TO 9.16
14. CHANGED MISSED APPROACH (ALTERNATE) HEADING TO FLY FROM 105 TO 108
15. ADDED VGSI COINCIDENCE NOTE.

REASONS:

1-5, 12,13,14. MAG VAR UPDATE FOR AIRPORT FROM 3W TO 6W AND FLL V/DME FROM 0 TO 6W
6. 8260.19E AND AJV-3 TERMINAL MEMO DATED 8-27-12
7-9. 8260.3B VOL 1 CH 3 PAR 3.1 (CHG 20)
10. 8260.3B VOL 1 CH 3 (CHG 20)
11. NOVAE (PRECISION FAF) IS RELOCATED DO TO APPLICATION OF LNAV/VNAV PFAF FORMULA CONTAINED IN 8260.54A
15. VGSI AND ILS GLIDEPATH TCH DIFFER MORE THAN 3 FT

03/05/2013: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 11/08/2012.
1. ADDED "NOPT" TO THE -3 TERMINAL ROUTES SECTION FROM HOLID TO PIONN

03/08/2013: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 11/08/2012.
1. ADDED EFFECTIVE DATE OF 05/02/2013 TO FORMS.

QUALITY CHECKED

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 10L CATS A, B VISIBILITY TO RVR 5000 AND CATS C,D VISIBILITY TO 1 5/8 MILES. PAKEE FIX MINIMUMS: INCREASE S-LOC 10L ALL CATS VISIBILITY TO RVR 5000.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22, 05/02/2013	AMDT: 21
				DATED: 12/16/2010

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FLL   K7011440VDHW N26042620W080095919    N26042620W080095919W0060000062     NARFORT LAUDERDALE
        SUSAD KFLLK7 ILHI  K7011010 IT                     ILHIN26044018W080081567     000110     NARFORT LAUDERDALE/HOLLYWOOD INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HOLID K70    C   L N26044292W080312057                      W0061     NAR           HOLID
        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 KFLLK7FI10L  AFLL   010FLL  K7D 0V       IF                                                18000                 0 NS
        SUSAP KFLLK7FI10L  AFLL   020PIONNK7EA0EY      TF                                   + 04000                            0 NS
        SUSAP KFLLK7FI10L  AFLL   030PIONNK7EA0EE AL   HF FLL K7      277301160964T010D   + 02500                            0 NS
        SUSAP KFLLK7FI10L  AHOLID 010HOLIDK7EA0E  A    IF                                                18000                 0 NS
        SUSAP KFLLK7FI10L  AHOLID 020PIONNK7EA0EE B    CF ILHIK7      2764013209640076PI  + 02500                            0 NS
        SUSAP KFLLK7FI10L  I      010PIONNK7EA0E  I    IF ILHIK7      27640132        PI  J 025000180018000                  0 NS
        SUSAP KFLLK7FI10L  I      020NOVAEK7EA0E  F    CF ILHIK7      2764007009600062PI  H 0180001800        -300FLL   K7D 0 NS
        SUSAP KFLLK7FI10L  I      030RW10LK7PG0GY M    CF ILHIK7      2764001509600055PI    00054             -300          0 NS
        SUSAP KFLLK7FI10L  I      040MARTSK7EA0EYM     CF FLL K7      0902009209020100D   + 04000                            0 NS
        SUSAP KFLLK7FI10L  I      050MARTSK7EA0EE  R   HM                      2702T010    + 04000                            0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7GRW10L   0090000964 N26043699W080095322+0000    -0023800006057648150IILHI1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7IILHI1   011010RW10LN26043641W0800813150964N26043964W0800942340701 09910439300W00604800003

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

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	AMDT: 21
				DATED: 12/16/2010

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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MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7SFLL  K7D                0   18018002125                                                                M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	AMDT: 21 DATED: 12/16/2010

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

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				AA 04000	
	FLL	PIONN	030	IAF	HF	L	FO		096.4()	T01.0	AA 02500	
	HOLID	HOLID	010	IAF	IF		FB					
	HOLID	PIONN	020		CF		FB		096.4()	007.6	AA 02500	
		PIONN	010	FACF	IF		FB				AA 02500 GI 01800	
		NOVAE	020	FAF	CF		FB		096.0()	006.2	GI 01800 GS 01800	
		RW10L	030	MAP	CF		FO		096.0()	005.5	AT 00054	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MARTS	040		CF		FO		090.2()	010.0	AA 04000	
	MARTS	050		HM	R	FO		270.2()	T01.0	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
	ILHI (DME)	N260440.18	W0800815.67	N2604.670	W08008.261
	HOLID	N260442.92	W0803120.57	N2604.715	W08031.343
	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
	ILHI (LOC)	N260436.41	W0800813.15	N2604.607	W08008.219

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	00006	48

QUALITY CHECKED A

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	AMDT: 21
				DATED: 12/16/2010

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

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NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FLL   K7011440VDHW N26042620W080095919    N26042620W080095919W0060000062     NARFORT LAUDERDALE
        SUSAD KFLLK7 ILHI  K7011010 IT                     ILHIN26044018W080081567     000110     NARFORT LAUDERDALE/HOLLYWOOD INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   HOLID K70    C   L N26044292W080312057                      W0061     NAR           HOLID
        SUSAEAENRT   MARTS K70    C     N26052161W079595202                      W0064     NAR           MARTS
        SUSAEAENRT   NOVAE K70    C     N26043899W080155868                      W0062     NAR           NOVAE
        SUSAEAENRT   PAKEE K70    R     N26043762W080114250                      W0063     NAR           PAKEE
        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 KFLLK7FL10L  AFLL   010FLL  K7D 0V       IF                                          18000                 0 NS
        SUSAP KFLLK7FL10L  AFLL   020PIONNK7EA0EY      TF                                 + 04000                        0 NS
        SUSAP KFLLK7FL10L  AFLL   030PIONNK7EA0EE AL   HF FLL K7      277301160964T010D   + 02500                        0 NS
        SUSAP KFLLK7FL10L  AHOLID 010HOLIDK7EA0E  A    IF                                          18000                 0 NS
        SUSAP KFLLK7FL10L  AHOLID 020PIONNK7EA0EE B    CF ILHIK7      2764013209640076PI  + 02500                        0 NS
        SUSAP KFLLK7FL10L  L      010PIONNK7EA0E  I    IF ILHIK7      27640132        PI  + 02500    18000                 0 NS
        SUSAP KFLLK7FL10L  L      020NOVAEK7EA0E  F    CF ILHIK7      2764007009600062PI  + 01800                FLL   K7D 0 NS
        SUSAP KFLLK7FL10L  L      021PAKEEK7EA0E S     CF ILHIK7      2764003109600038PI  + 00560            -301          0 NS
        SUSAP KFLLK7FL10L  L      030RW10LK7PG0GY M    CF ILHIK7      2764001509600016PI    00054            -301          0 NS
        SUSAP KFLLK7FL10L  L      040MARTSK7EA0EYM     CF FLL K7      0902009209020100D   + 04000                        0 NS
        SUSAP KFLLK7FL10L  L      050MARTSK7EA0EE  R   HM                     2702T010    + 04000                        0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7GRW10L   0090000964 N26043699W080095322+0000    -0023800006057648150IILHI1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7IILHI1   011010RW10LN26043641W0800813150964N26043964W0800942340701 09910439300W00604800003
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	AMDT: 21 DATED: 12/16/2010

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:

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.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7SFLL  K7D                 0   18018002125                                                                    M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	SUP: ILS OR LOC RWY 9L AMDT: 21 DATED: 12/16/2010

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	FLL	FLL	010		IF		FB					
	FLL	PIONN	020		TF		FO				AA 04000	
	FLL	PIONN	030	IAF	HF	L	FO		096.4()	T01.0	AA 02500	
	HOLID	HOLID	010	IAF	IF		FB					
	HOLID	PIONN	020		CF		FB		096.4()	007.6	AA 02500	
		PIONN	010	FACF	IF		FB				AA 02500	
		NOVAE	020	FAF	CF		FB		096.0()	006.2	AA 01800	
		PAKEE	021	SDF	CF		FB		096.0()	003.8	AA 00560	
		RW10L	030	MAP	CF		FO		096.0()	001.6	AT 00054	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MARTS	040		CF		FO		090.2()	010.0	AA 04000	
	MARTS	050		HM	R	FO		270.2()	T01.0	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
	ILHI (DME)	N260440.18	W0800815.67	N2604.670	W08008.261
	HOLID	N260442.92	W0803120.57	N2604.715	W08031.343
	MARTS	N260521.61	W0795952.02	N2605.360	W07959.867
	NOVAE	N260438.99	W0801558.68	N2604.650	W08015.978
	PAKEE	N260437.62	W0801142.50	N2604.627	W08011.708
	PIONN	N260440.96	W0802253.04	N2604.683	W08022.884
	RW10L	N260436.99	W0800953.22	N2604.617	W08009.887
	ILHI (LOC)	N260436.41	W0800813.15	N2604.607	W08008.219

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: ILS OR LOC RWY 9L
FORT LAUDERDALE, FL	AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22 05/02/2013	AMDT: 21
				DATED: 12/16/2010

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 INT/I-LHI	1. TOWER (12-003319)	260738.00N/0801435.00W	420 (5D)	1000	AT2580	4000
		13.17 DME	2. TERRAIN	260426.07N/0801205.38W	27 (0)		AS1500	1500
INITIAL	HOLID INT/I-LHI	PIONN INT/I-LHI	3. TOWER (12-003673)	260512.00N/0802453.00W	331 (5D)	1000	AT1169	2500
	20.78 DME	13.17 DME	4. TERRAIN	260051.90N/0802554.80W	14 (0)		AS1500	1500
INTERMEDIATE	PIONN INT/I-LHI	NOVAE INT/I-LHI	5. TOWER (12-002983)	260356.00N/0802018.00W	325 (5D)	500	AT975	1800
	13.17 DME	6.95 DME	6. TERRAIN	260803.00N/0802136.00W	14 (0)		AS1500	1500
	(IF/IAF)							
FINAL: ILS	NOVAE INT/I-LHI	RW10L				ASC	XP50	256/250
	6.87 DME							
FINAL: LOC	NOVAE INT/I-LHI	PAKEE/I-LHI 3.10	7. TOWER (12-000822)	260424.00N/0801442.00W	260 (4D)	250	AC50	560
	6.87 DME	DME						
FINAL: LOC STEPDOWN	PAKEE/I-LHI 3.10	5.48 MILES AFTER	8. POLE (12-004141)	260459.48N/0801150.00W	169 (1A)	250	SA-54	380
	DME	NOVAE INT/LHI						
		6.95 DME OR AT						
		I-LHI 1.46 DME						
		FIX						
2. HOLD-IN-LIEU-OF-PT	PIONN	P-5	9. TOWER (12-001900)	260843.00N/0802042.00W	444 (5D)	1000	AT1056	2500
			10. TERRAIN	260844.00N/0802801.00W	16 (0)		AS1500	1500
3. MISSED APPROACH — MAP:	DA / 5.48 MILES	MARTS INT/FLL				ASC		4000
	AFTER NOVAE	9.16 DME	11. STACK (12-004169)	260508.74N/0800735.06W	364	1000		1400
ELEV:	69/130		12. TERRAIN	260400.00N/0800827.00W	17 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	671 / 671		11. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680 / 680
CATEGORY B	1.5 NM	450	671 / 671		11. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680 / 680
CATEGORY C	1.7 NM	450	671 / 671		11. STACK (12-000176)	260508.97N/0800730.02W	365 (1A)	300		680 / 680
CATEGORY D	2.3 NM	550	691 / 691		13. BLDG (12-002192)	260652.04N/0800829.84W	399 (1A)	300		700 / 700
CATEGORY E	4.5 NM	550								

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

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-000064)	206/ 07.3	1049 (1D)	2100					

CITY AND STATE	ELEVATION: 9 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FORT LAUDERDALE, FL	FORT LAUDERDALE/HOLLYWOOD INTL	I-LHI	ILS OR LOC RWY 10L, AMDT 22	ASO

QUALITY CHECKED

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:
		A / C		HOURS REMOTE OPERATION:
SATISFACTORY ON:				
X V H F X U H F H F	LOCATION:			ADJUSTMENT: 0

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

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 10L, 28R
X	HIRL 10L, 28R
X	MIRL 10R, 28L
X	REIL 10R
	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: 991	ELEV GP ANTENNA: 1.6
		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 8260.3B, VOLUME 3, PARAGRAPH 3, 3; TABLE 4, 5 OBSTACLE CLEARANCE SURFACE (OCS) "X" AND "W" SURFACE PENETRATIONS NORTH AND SOUTH OF RUNWAY 9L CENTERLINE ON TAXIWAYS A AND B.

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 11/08/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

THRESHOLD DISPLACED 576.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

VGSI 3.00/65.90

WAIVER: FAAO 8260.3B VOL 3 PARA 3, 3 TABLE 4, 5 APP 3, 3 OBSTACLE CLEARANCE SURFACE (OCS) "X" AND "W" SURFACE PENETRATIONS NORTH AND SOUTH OF RUNWAY 9L CENTERLINE ON TAXIWAYS A AND B.

SEE ATTACHED AIRSPACE LETTER.

ORDER 5260.3, 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)

FAF FIX ERROR:
FIX ERROR PRIOR TO FAF IN EXCESS OF 1 NM = 608.24FT
FIX ERROR AFTER FAF IN EXCESS OF 1 NM = 833.83FT

XP - PER FPO, ILS S-9L DA256/HAT 250 / RVR 4000 DUE TO PENETRATION OF THE INNER OFZ (APPROACH LIGHT PLANE). PENETRATION PROVIDED BY AIRPORTS IAW 8260.3B CHG 19, VOL 3, PARA 2.11.
PENETRATION: 23 MSL INTERSTATE, 260437N/0801005W, PENETRATES BY .20 FEET.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
11. STACK (12-000176) 260508.97N/0800730.02W 365 (1A)
1000 1400
12. TERRAIN 260400.00N/0800827.00W 17 (0) AS1500 1500

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOLID **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 260442.92N/0803120.57W **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	20.78	20.82		3000	6000
2	DOLPHIN	DHP	VORTAC	H	334.68	330.68	19.12	19.12		3000	17500
3	FORT LAUDERDALE	FLL	VOR/DME	H	276.91	270.91		19.23		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-LHI	LOC/DME	R-276	21	3000	6000

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

REMARKS:
DOLPHIN (FAC 2) AND FORT LAUDERDALE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-LHI DME COORDINATES: 260440.18N-0800815.67W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V157-511-599	1, 2, 3				(US)
IAP	ILS OR LOC RWY 10L	1, 2, 3		KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Y RWY 10L			KFLL	FORT LAUDERDALE	FL (US)
STAR	CURSO RNAV			KFLL	FORT LAUDERDALE	FL (US)
STAR	JINGL RNAV			KFLL	FORT LAUDERDALE	FL (US)
STAR	JINGL RNAV			KFXE	FORT LAUDERDALE	FL (US)
STAR	JINGL RNAV			KHWO	HOLLYWOOD	FL (US)
STAR	JINGL RNAV			KOPF	MIAMI	FL (US)
STAR	JINGL RNAV			KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. UPDATED I-LHI DME COORDINATES
2. UPDATED FAC 1 MAG BRG/TRUE BRG FROM 273.36/270.36 TO 276.37/270.37 AND DIST FROM NM FROM 20.78 TO 20.82.
3. UPDATED FAC 3 MAG BRG/TRUE BRG FROM 270.83/270.83 TO 276.91/270.91 AND DIST FROM NM FROM 19.41 TO 19.23.
4. UPDATED FIX USE TO REFLECT KFLL RWY RENUMBERING
5. UPDATED LAT/LONG: MOVED 55.56 FT NORTHWEST

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
OTHER:

QUALITY 11 CHECKED

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: 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

RADIO FIX AND HOLDING DATA RECORD

NAME: PAKEE **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 260437.62N/0801142.50W **TYPE:** 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	3.10	3.14		460	4500

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KFLL	FORT LAUDERDALE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. UPDATED I-LHI DME L/L IN REMARKS.
2. UPDATED RWY ID AND DRWT L/L IN REMARKS.
3. UPDATED FIX USE TO INCLUDE KFLL RWY RENUMBERING.
4. UPDATED FAC 1 MAG BRG/TRUE BRG FROM 273.36/270.36 TO 276.37/270.37 AND DIST FROM NM FROM 3.10 TO 3.14.

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 ATCT, FLL ATCT
OTHER:

QUALITY CHECKED

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.

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:

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **ILS OR LOC RWY 10L** AMDT: **22**

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 **0.86**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **090.37**
4. High Terrain in **FINAL** segment containing 1000' point **14**
5. Distance from **THLD** to 1500' point **4.88**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.27**
7. True Course of **FINAL** segment containing 1500' point **090.37**
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