Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 11/04/2011	Task #: 2011110428767903001	Request #: 20111104287679
Procedure: ILS OR LOC/DME RWY 9 ORIG		Airport ID: KLAL	Airport: LAKELAND LINDER RGNL		Reimbursable #:
City: LAKELAND	ST: FL	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID: LAL1	Fac. Type: ILS	Specialist: CHRISTOPHER COX			

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/14/2012	10/23/2012	DONALD SMITH	
QA:	10/23/2012	10/23/2012	SCOTT BEARD	
Liaison:	10/23/2012		Spurlin	REPLACEMENT 10/23/12

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 1 of 1

LAKELAND, FL LAKELAND LINDER RGNL (KLAL) ILS OR LOC/DME RWY 9, ORIG ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ARSHW-INT, REV 1; FLYEN-INT, REV 1; PACIB-INT, ORIG; PLUMY-INT, REV 11; SUNFN-INT, ORIG.

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

ILS or LOC/DME RWY 9

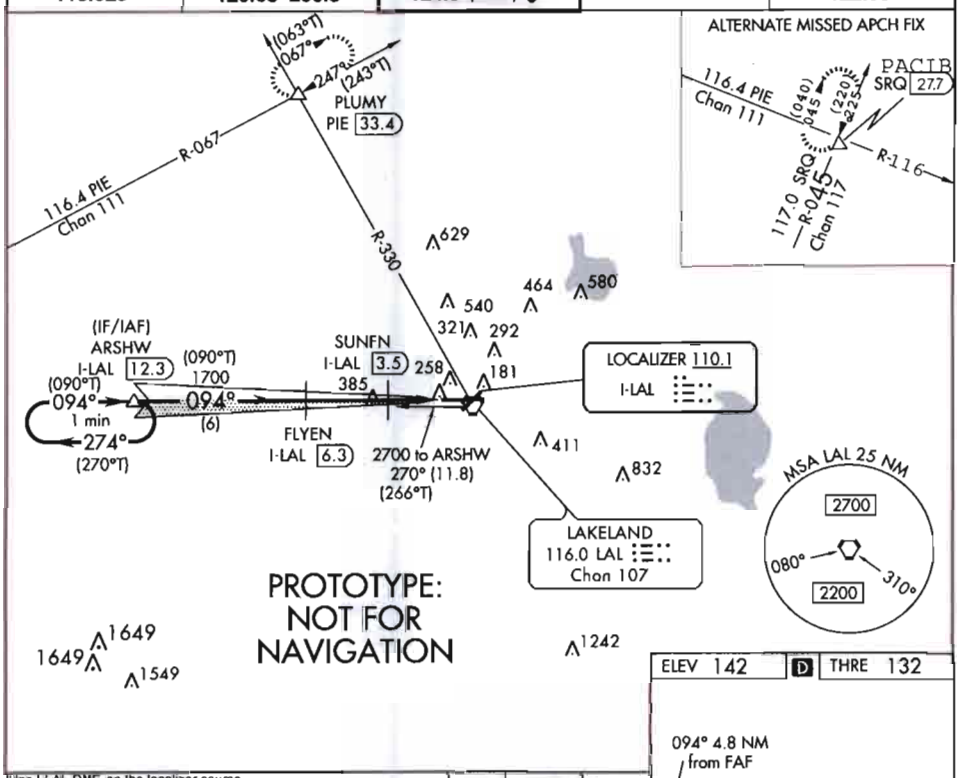
LAKELAND LINDER RGNL (LAL)

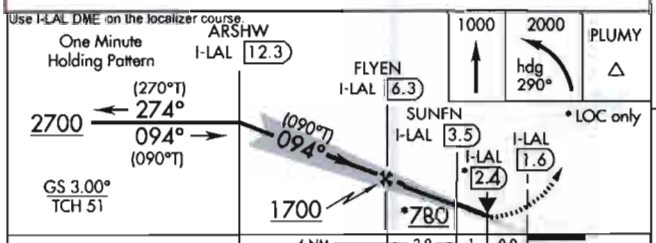
LOC I-LAL	APP CRS	Rwy ldg	5005
110.1	094°	THRE	132
		Apt Elev	142

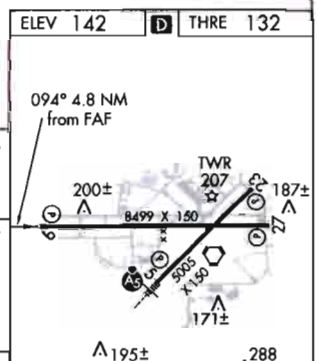
When local altimeter not received, use Plant City altimeter setting and increase all DA/MDA 20 feet: increase S-LOC CATS C/D visibility 1/8 mile. For inoperative MALSR, increase S-ILS all Cats visibility to 3/4 mile. For inoperative MALSR when using Plant City altimeter setting, increase S-ILS visibility all Cats to 3/4 mile and S-LOC Cats C/D visibility to 1 mile.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 on heading 290° and on LAL VORTAC R-330 to PLUMY Int/PIE 33.4 DME and hold.

ATIS	TAMPA APP CON	LAKELAND TOWER *	GND CON	UNICOM
118.025	120.65 290.3	124.5 (CTAF)	121.4	122.95







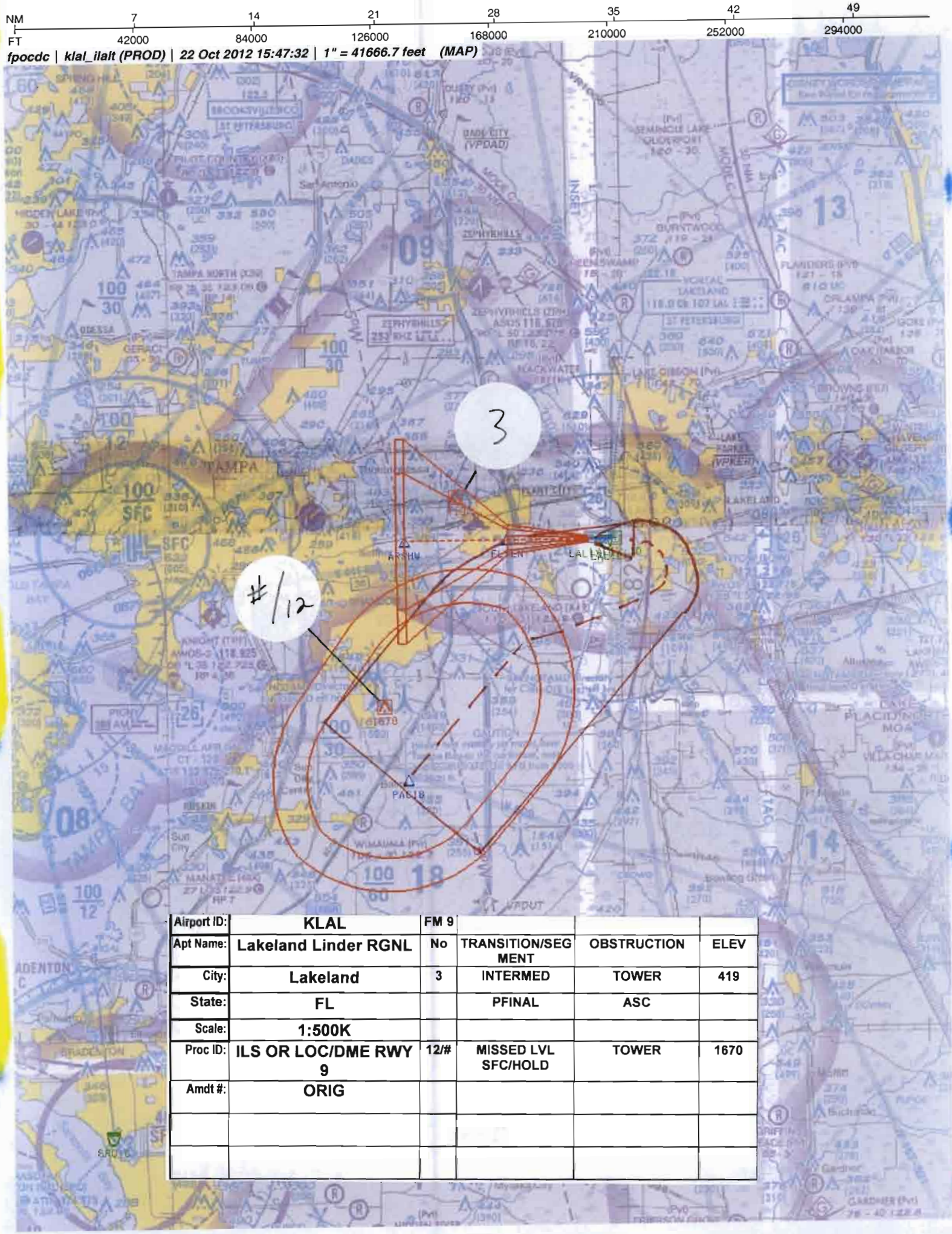
CATEGORY	A	B	C	D
S-ILS 9	332-½ 200 (200-½)			
S-LOC 9	460-½ 328 (400-½)		460-½ 328 (400-½)	
CIRCLING	600-1 458 (500-1)	660-1 518 (600-1)	660-1½ 518 (600-1½)	700-2 558 (600-2)

HIRL Rwys 5-23 and 9-27

FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

27°59'N-82°01'W

LAKELAND LINDER RGNL (LAL)
ILS or LOC/DME RWY 9

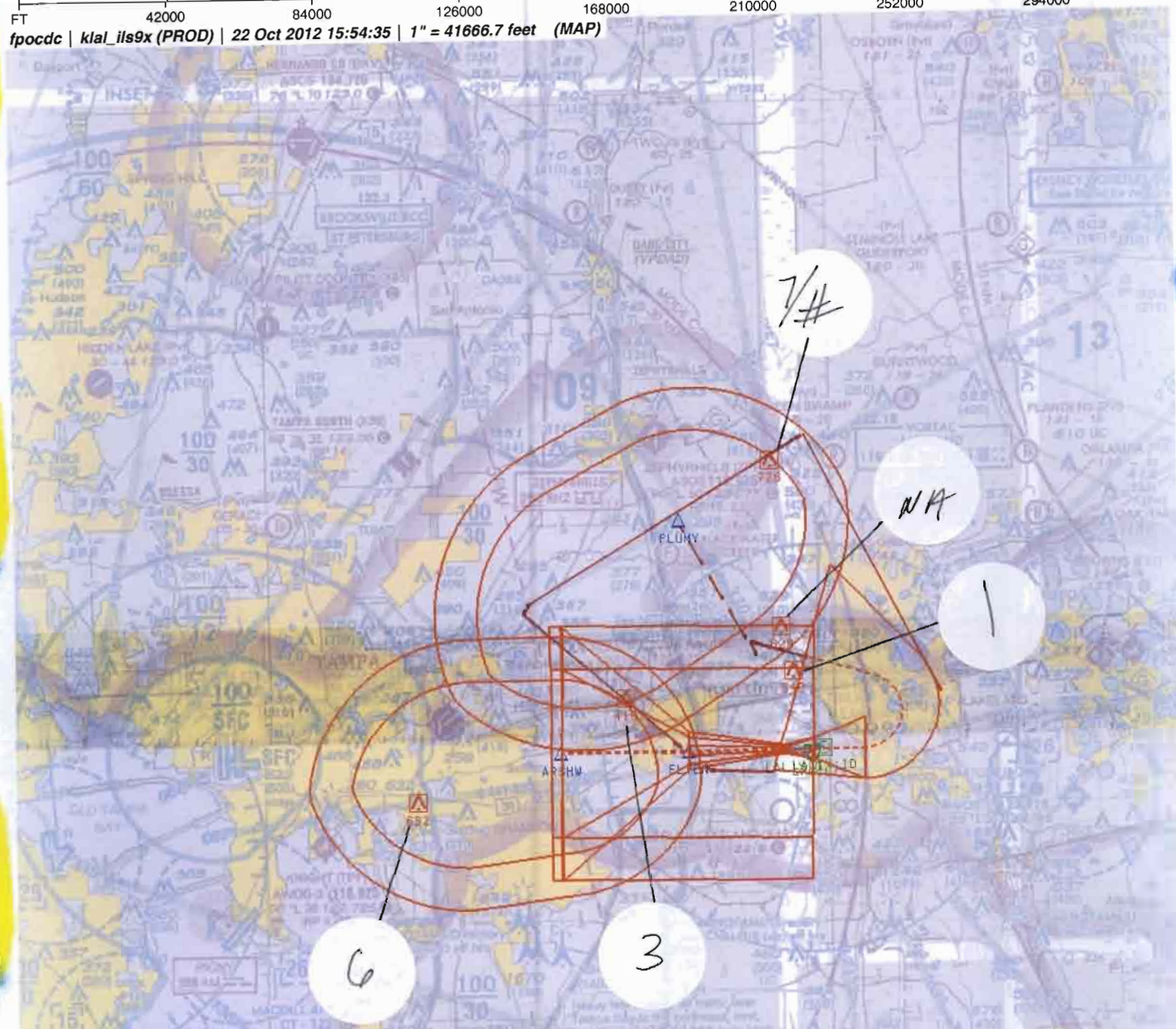


Airport ID:	KLAL	FM 9			
Apt Name:	Lakeland Linder RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	Lakeland	3	INTERMED	TOWER	419
State:	FL		PFINAL	ASC	
Scale:	1:500K				
Proc ID:	ILS OR LOC/DME RWY 9	12/#	MISSED LVL SFC/HOLD	TOWER	1670
Amdt #:	ORIG				

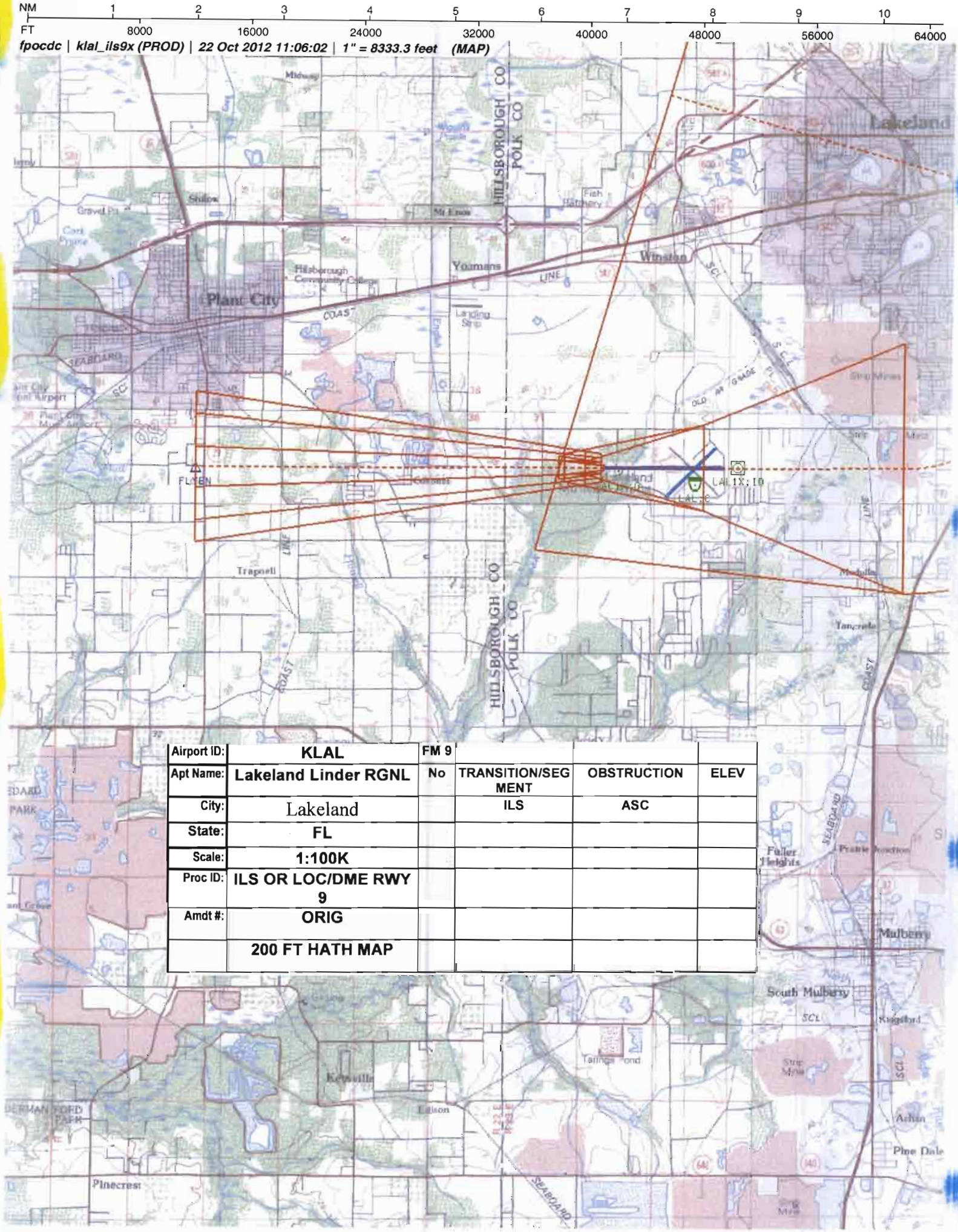
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

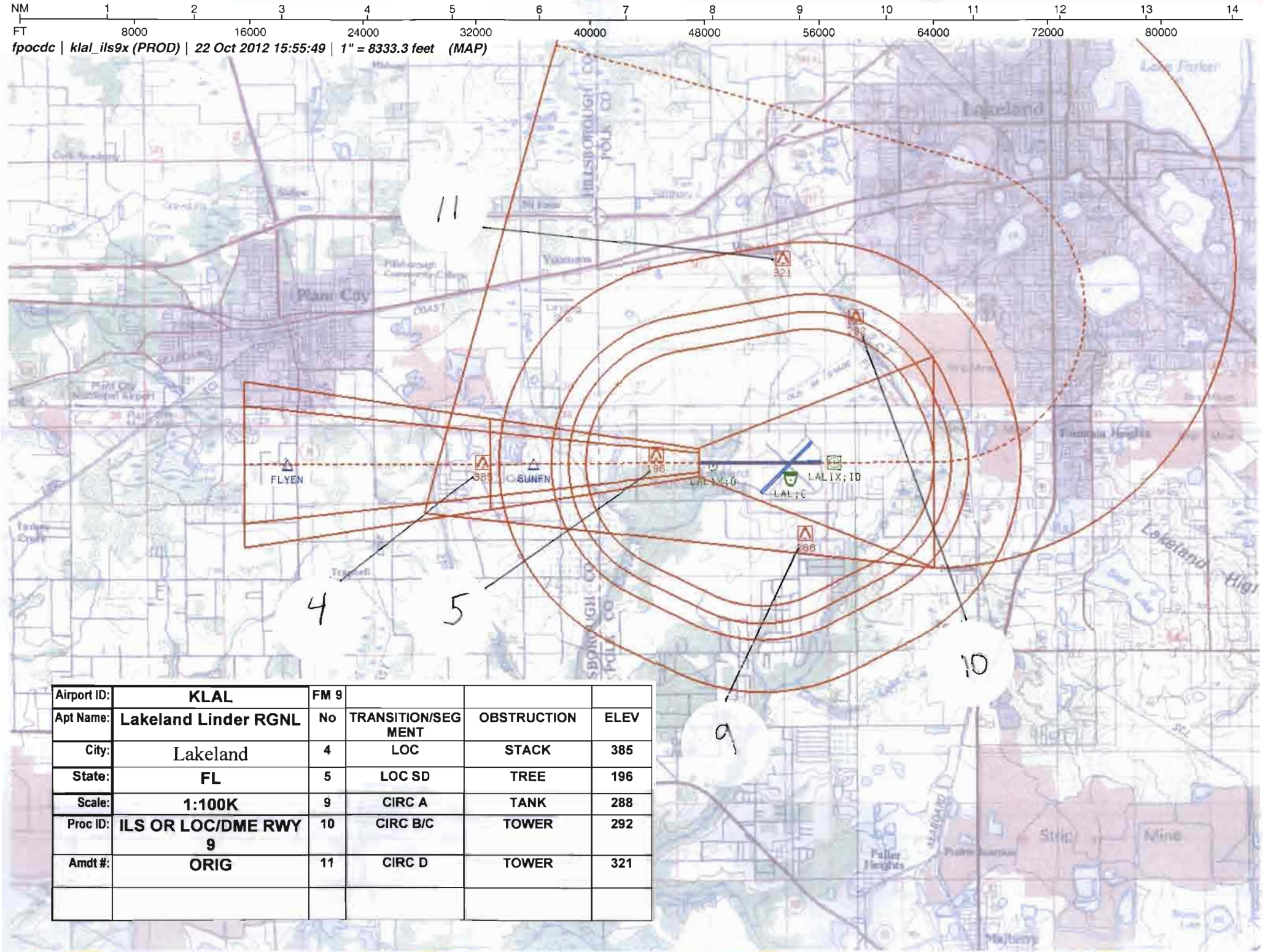
fpocdc | klal_ils9x (PROD) | 22 Oct 2012 15:54:35 | 1" = 41666.7 feet (MAP)



Airport ID:	KLAL	FM 9			
Apt Name:	Lakeland Linder RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	Lakeland	1	FEEDER	TOWER	540
State:	FL	3	INTERMED	TOWER	419
Scale:	1:500K		PFINAL	ASC	
Proc ID:	ILS OR LOC/DME RWY 9	6	HIL	TOWER	632
Amdt #:	ORIG	7	MISSED	TOWER	726
		#	MISSED HOLD	TOWER	726



Airport ID:	KLAL	FM 9			
Apt Name:	Lakeland Linder RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	Lakeland		ILS	ASC	
State:	FL				
Scale:	1:100K				
Proc ID:	ILS OR LOC/DME RWY 9				
Amdt #:	ORIG				
	200 FT HATH MAP				



Airport ID:	KLAL	FM 9			
Apt Name:	Lakeland Linder RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	Lakeland	4	LOC	STACK	385
State:	FL	5	LOC SD	TREE	196
Scale:	1:100K	9	CIRC A	TANK	288
Proc ID:	ILS OR LOC/DME RWY 9	10	CIRC B/C	TOWER	292
Amdt #:	ORIG	11	CIRC D	TOWER	321

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
LAL VORTAC	ARSHW/I-LAL 12.32 DME	269.76 / 11.82	2700
ARSHW/I-LAL 12.32 DME (IF/IAF)	FLYEN/I-LAL 6.32 DME	093.85 / 6.00 (I-LAL)	1700

MISSED APPROACH

ILS: DA
LOC: I-LAL 1.56 DME FIX

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 290 AND ON LAL VORTAC R-330 TO PLUMY INT/PIE 33.35 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 255 AND ON SRQ VORTAC R-045 TO PACIB (SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 246.70 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE PACIB INT/SRQ 27.21 DME, RT, 225.07 INBOUND.
CHART FAS OBST: 196 TREE 275922N/0820235W
CHART VDP AT 2.43 DME*;
DISTANCE VDP TO THLD 0.87 MILES.
*LOC ONLY.
CHART IN PLANVIEW: PACIB INT/SRQ 27.21 DME.
CHART IN PLANVIEW: LAL VORTAC 11.82 DME AT ARSHW

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W ARSHW, RT, 093.85 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
3. FAC: 093.85 FAF: FLYEN/6.32 DME DIST FAF TO MAP: ____ THLD: 4.76
4. MIN. ALT: ARSHW 2700, FLYEN 1700, SUNFN/I-LAL 3.46 DME 780*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 988
6. MIN GS INCPT: 1700 GS ALT AT: FLYEN 1700 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.8
8. MSA FROM: LAL VORTAC 310-080 2700, 080-310 2200

MAG VAR: 4W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A 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 9	332	1/2	200	332	1/2	200	332	1/2	200	332	1/2	200			
S-LOC 9	460	1/2	328	460	1/2	328	460	1/2	328	460	1/2	328			
CIRCLING	600	1	458	660	1	518	660	1 1/2	518	700	2	558			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLANT CITY ALTIMETER SETTING AND INCREASE ALL DA/MDA 20 FT; INCREASE S-LOC CATS C/D VISIBILITY 1/8 MILE.
CHART PROFILE NOTE: USE I-LAL DME ON THE LOCALIZER COURSE.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS ALL CATS VISIBILITY TO 3/4 MILE.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] KLAL ARPT MGR, KLAL ATCT, KTPA ATCT, ZMA

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: CHRISTOPHER COX	FIFO AJV-352	DATE: 08/07/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

DME: 275925.72N / 0820016.31W, GS: 275918.65N / 0820150.90W, LOC: 275921.48N / 0820016.64W, OTHER

REASONS:

10/22/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/07/2012.
1. LOWERED S-ILS ALL CATS DA/HATH FROM 382/250 TO 332/200.
2. LOWERED S-LOC ALL CATS MDA/HATH FROM 480/348 TO 460/328 AND CATS C/D VIS FROM 5/8 TO 1/2.
3. ADDED S-ILS VISIBILITY AND REMOVED S-LOC VISIBILITY FROM INOP MALSR NOTE - PRIMARY ALTIMETER.
4. CHANGED S-ILS VISIBILITY FROM 7/8 TO 3/4 ON MALSR INOP NOTE - BACK-UP ALTIMETER.
5. UPDATED ADDITIONAL FLIGHT DATA FAS OBSTACLE TO 196 TREE.

QUALITY CHECKED

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MISSED APPROACH INSTRUCTIONS, (CONT.):
INT/SRQ 27.21 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. (DME REQUIRED).

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PLANT CITY ALTIMETER SETTING, INCREASE S-ILS VISIBILITY ALL CATS TO 3/4 MILE AND S-LOC CATS C/D VISIBILITY TO 1 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        LAL   K7011600VTH  N27591025W082005001    N27591025W082005001E0010001342     NARLAKELAND
        SUSAD        MCF   K7011100 TLW                   MCF N27514018W082304863W0040000121     NARMACDILL
        SUSAD KLALK7 ILAL  K7011010 IT                    ILALN27592572W082001631     001400     NARLAKELAND LINDER RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARSHW K70    C     N27591902W082141119                      W0053     NAR           ARSHW
        SUSAEAENRT   FLYEN K70    C     N27592039W082072486                      W0053     NAR           FLYEN
        SUSAEAENRT   PLUMY K70    C   L N28101523W082074994                      W0054     NAR           PLUMY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7ALAL     0     084YHN27592010W082010680W004000142         1800018000C    MNAR    LAKELAND LINDER RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7FI09   ALAL   010LAL  K7D 0V       IF                                          18000                 0 NS
        SUSAP KLALK7FI09   ALAL   020ARSHWK7EA0EY      TF                                  + 02700                       0 NS
        SUSAP KLALK7FI09   ALAL   030ARSHWK7EA0EE AR   HF MCF K7      066601660939T010D   + 02700                       0 NS
        SUSAP KLALK7FI09   I      010ARSHWK7EA0E  I    IF ILALK7      27390123        PI  J 027000170018000             0 NS
        SUSAP KLALK7FI09   I      020FLYENK7EA0E  F    CF ILALK7      2739006309400060PI  H 0170001700        -300LAL  AK7D 0 NS
        SUSAP KLALK7FI09   I      030RW09 K7PG0GY M    CF ILALK7      2739001609400048PI    00183             -300          0 NS
        SUSAP KLALK7FI09   I      040         0  M     CA                     0939        + 01000                       0 NS
        SUSAP KLALK7FI09   I      050         0    L   VIY                    2900                                      0 NS
        SUSAP KLALK7FI09   I      060PLUMYK7EA0EY      CF LAL K7      3298012732980090D   + 02000                       0 NS
        SUSAP KLALK7FI09   I      070PLUMYK7EA0EE  R   HM                     2467T010    + 02000                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7GRW09    0084990939 N27592125W082020193+0100    +0014500132000051150IILAL1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7IILAL1   011010RW09 N27592148W0820016640939N27591865W0820150900940 09880424300W00405100129

                 1         2         3         4         5         6         7         8         9         0         1         2         3
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CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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 KLALK7SLAL  K7D A              0   1302600272526013002225                                                    M
```

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LAL	LAL	010		IF		FB					
	LAL	ARSHW	020		TF		FO				AA 02700	
	LAL	ARSHW	030	IAF	HF	R	FO		093.9()	T01.0	AA 02700	
		ARSHW	010	FACF	IF		FB				AA 02700 GI 01700	
		FLYEN	020	FAF	CF		FB		094.0()	006.0	GI 01700 GS 01700	
		RW09	030	MAP	CF		FO		094.0()	004.8	AT 00183	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		093.9()		AA 01000	
		050		VI	L	FB		290.0()			
	PLUMY	060		CF		FO		329.8()	009.0	AA 02000	
	PLUMY	070		HM	R	FO		246.7()	T01.0	AA 02000	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
LAL	N275910.25	W0820050.01	N2759.171	W08200.834
MCF (DME)	N275140.18	W0823048.63	N2751.670	W08230.811
ILAL (DME)	N275925.72	W0820016.31	N2759.429	W08200.272
ARSHW	N275919.02	W0821411.19	N2759.317	W08214.187
FLYEN	N275920.39	W0820724.86	N2759.340	W08207.414
PLUMY	N281015.23	W0820749.94	N2810.254	W08207.832
RW09	N275921.25	W0820201.93	N2759.354	W08202.032
ILAL (LOC)	N275921.48	W0820016.64	N2759.358	W08200.277

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00132	51

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAD        LAL   K7011600VTH  N27591025W082005001    N27591025W082005001E0010001342     NARLAKELAND
        SUSAD        MCF   K7011100 TLW                    MCF N27514018W082304863W0040000121     NARMACDILL
        SUSAD KLALK7 ILAL  K7011010 IT                     ILALN27592572W082001631     001400     NARLAKELAND LINDER RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARSHW K70    C     N27591902W082141119                      W0053     NAR           ARSHW
        SUSAEAENRT   FLYEN K70    C     N27592039W082072486                      W0053     NAR           FLYEN
        SUSAEAENRT   PLUMY K70    C   L N28101523W082074994                      W0054     NAR           PLUMY
        SUSAEAENRT   SUNFN K70    C     N27592093W082041070                      W0054     NAR           SUNFN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7ALAL     0     084YHN27592010W082010680W004000142         1800018000C    MNAR    LAKELAND LINDER RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7FL09   ALAL   010LAL  K7D 0V       IF                                          18000                 0 DS
        SUSAP KLALK7FL09   ALAL   020ARSHWK7EA0EY      TF                                   + 02700                      0 DS
        SUSAP KLALK7FL09   ALAL   030ARSHWK7EA0EE AR   HF MCF K7      066601660939T010D   + 02700                      0 DS
        SUSAP KLALK7FL09   L      010ARSHWK7EA0E  I    IF ILALK7      27390123        PI  + 02700     18000            0 DS
        SUSAP KLALK7FL09   L      020FLYENK7EA0E  F    CF ILALK7      2739006309400060PI  + 01700                LAL  AK7D 0 DS
        SUSAP KLALK7FL09   L      021SUNFNK7EA0E S     CF ILALK7      2739003509400029PI  + 00780            -301      0 DS
        SUSAP KLALK7FL09   L      030RW09 K7PG0GY M    CF ILALK7      2739001609400019PI    00183            -301      0 DS
        SUSAP KLALK7FL09   L      040         0  M     CA                     0939        + 01000                      0 DS
        SUSAP KLALK7FL09   L      050         0    L   VIY                    2900                                     0 DS
        SUSAP KLALK7FL09   L      060PLUMYK7EA0EY      CF LAL K7      3298012732980090D   + 02000                      0 DS
        SUSAP KLALK7FL09   L      070PLUMYK7EA0EE  R   HM                     2467T010    + 02000                      0 DS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7GRW09    0084990939 N27592125W082020193+0100    +0014500132000051150IILAL1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLALK7IILAL1   011010RW09 N27592148W0820016640939N27591865W0820150900940 09880424300W00405100129
```

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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 KLALK7SLAL  K7D A              0   1302600272526013002225                                                          M
```

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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
	LAL	LAL	010		IF		FB					
	LAL	ARSHW	020		TF		FO				AA 02700	
	LAL	ARSHW	030	IAF	HF	R	FO		093.9()	T01.0	AA 02700	
		ARSHW	010	FACF	IF		FB				AA 02700	
		FLYEN	020	FAF	CF		FB		094.0()	006.0	AA 01700	
		SUNFN	021	SDF	CF		FB		094.0()	002.9	AA 00780	
		RW09	030	MAP	CF		FO		094.0()	001.9	AT 00183	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		093.9()		AA 01000	
		050		VI	L	FB		290.0()			
	PLUMY	060		CF		FO		329.8()	009.0	AA 02000	
	PLUMY	070		HM	R	FO		246.7()	T01.0	AA 02000	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
LAL	N275910.25	W0820050.01	N2759.171	W08200.834
MCF (DME)	N275140.18	W0823048.63	N2751.670	W08230.811
ILAL (DME)	N275925.72	W0820016.31	N2759.429	W08200.272
ARSHW	N275919.02	W0821411.19	N2759.317	W08214.187
FLYEN	N275920.39	W0820724.86	N2759.340	W08207.414
PLUMY	N281015.23	W0820749.94	N2810.254	W08207.832
SUNFN	N275920.93	W0820410.70	N2759.349	W08204.178
RW09	N275921.25	W0820201.93	N2759.354	W08202.032
ILAL (LOC)	N275921.48	W0820016.64	N2759.358	W08200.277

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00132	51

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	AMDT: NONE
				DATED:

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	LAL VORTAC	ARSHW/I-LAL	1. TOWER (12-003386)	280241.68N/0820150.80W	540 (1A)	1000	AT1160	2700
		12.32 DME	2. TERRAIN	275945.00N/0820942.00W	155 (200)		AS1500	1700
INTERMEDIATE	ARSHW/I-LAL	FLYEN/I-LAL	3. TOWER (12-001581)	280126.16N/0821046.28W	419 (2C)	500		1000
	12.32 DME	6.32 DME	2. TERRAIN	275945.00N/0820942.00W	155 (200)		AS1500	1700
	(IF/IAF)							
FINAL: ILS	GS INTCP	RW09				ASC		332/200
FINAL: LOC	FLYEN/I-LAL	SUNFN/I-LAL	4. STACK (12-000782)	275917.00N/0820450.00W	385 (4D)	250	AC50 DG75 RA20	780
	6.32 DME	3.46 DME						
FINAL: LOC STEPDOWN	SUNFN/I-LAL	I-LAL 1.56 DME FIX	5. TREE (KLALT113)	275922.15N/0820234.95W	196 (2C)	250		460
	3.46 DME							
2. HOLD-IN-LIEU-OF-PT	ARSHW	P-4	6. TOWER (12-002011)	275641.42N/0822150.72W	632 (4D)	1000	AT1068	2700
			2. TERRAIN	275945.00N/0820942.00W	155 (200)		AS1500	1700
3. MISSED APPROACH — MAP:	DA / 4.76 MILES	PLUMY INT/PIE				ASC		4000
	AFTER	33.35 DME	7. TOWER (12-002037)	281237.40N/0820257.47W	726 (1A)	1000		1800
ELEV:	166/210		8. TERRAIN	280518.00N/0815851.00W	270 (300)		AS1500	1800

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL								
CATEGORY A	1.3 NM	350	458	9. TANK (12-023267)	275827.38N/0820038.43W	288 (1A)	300		600
CATEGORY B	1.5 NM	450	518	10. TOWER (12-004824)	280056.98N/0815958.49W	292 (5D)	300	AC50	660
CATEGORY C	1.7 NM	450	518	10. TOWER (12-004824)	280056.98N/0815958.49W	292 (5D)	300	AC50	660
CATEGORY D	2.3 NM	550	558	11. TOWER (12-005041)	280137.65N/0820055.48W	321 (1A)	300	HAA	700
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: LAL VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
310-080	TWR (12-004378)	232/ 16.5	1670 (1A)	2700					
080-310	TWR (12-002269)	070/ 26.0	1134 (5D)	2200					

CITY AND STATE	ELEVATION: 142 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKELAND, FL	LAKELAND LINDER RGNL	I-LAL	ILS OR LOC/DME RWY 9, ORIG	ASO

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZMA ARTCC TPA APP CON		N W S	OTHER: AWOS-3	SOURCE: KLAL / KPCM
		F A A		DISTANCE: 0 / 7.72
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION: KLAL			ADJUSTMENT: 0 / 20

4. MONITOR STATUS	PRIMARY NAVAID: I-LAL	
	MONITOR POINT: KLAL ATCT	
	HRS OPTN: CAT 1	TOWER OPEN
	HRS OPTN: CAT 3	TOWER CLOSED

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

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 05; -F 09
	INSTRUMENT	NPI-G 27; -F 23
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 131.9
	DISTANCE FROM RWY: 988	ELEV GP ANTENNA: 130.9
		THRESHOLD CROSSING HEIGHT: 50.8

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

10. WAIVERS: NONE

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 08/07/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KLAL 142.0, KPCM 152.7
RA = 19.26.
SEE ATTACHED AIRSPACE LETTER.

VGSI DATA: 3/51.8

KLAL AWOS IS ON SERVICE A
KPCM AWOS IS ON SERVICE A

AVERAGE VEGETATION HEIGHT: 100 FT

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 5000
12. TOWER (12-004378) 274910.83N/0821538.00W 1670 (1A)
1000 2700
13. TERRAIN 285757.00N/0815518.00W 270 (300) AT1500
1800

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ARSHW **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275919.02N/0821411.19W **TYPE:** WP, 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	LAKELAND	I-LAL1	LOC/DME		273.85	269.85	12.32	12.31		2700	4600

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	273.76	093.76	R		4	2700	6000	5	6
2	W	I-LAL1	LOC	273.85	093.85	R	1		2700	4500	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-020228)	275554.90N/0822403.96W	632	2D
2	200	TOWER (12-002011)	275641.42N/0822150.72W	632	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE
DME L/L 275925.72N / 08200163.31W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 9	1	2	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 9		1	KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
ADDED PRECIP EVAL NOTE
UPDATED FIX USE
ADDED I-LAL TO FACILITY DATA AND REMOVED RWY 9 THLD REFERENCE
ADDED PAT 2, UPDATED PAT 1
UPDATED LAT/LONG
MOVED 356 FT EAST
NAME CHANGED FROM FAPES TO ARSHW

DEVELOPED BY: **DATE:** 08/08/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FLYEN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275920.39N/0820724.86W **TYPE:** WP, 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	LAKELAND	I-LAL1	LOC/DME		273.85	269.85	6.32	6.32	38390	1700	4600

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

REMARKS:
FAC 1 DME L/L 275925.72N / 0820016.31W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 9	1		KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 9			KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
MOVED FIX 290 FT WEST
UPDATED LAT LONG
REMOVED RWY 9 THLD FROM FAC 1
ADDED I-LAL TO FAC
UPDATED FIX USE (REMOVED RWY 27, ADDED ILS OR LOC/DME RWY 9)
NAME CHANGED FROM CAMIV TO FLYEN
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/08/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PACIB **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 274516.77N/0821404.49W **TYPE:** INT, DME

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

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	SARASOTA	SRQ	VORTAC	H	045.07	040.07	27.21	27.21		5000	17500
2	ST PETERSBURG	PIE	VORTAC	H	115.85	110.85		25.62		5000	17500
3	LAKELAND	LAL	VORTAC	H	219.32	220.32		18.16		5000	17500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	SRQ	VORTAC	045.07	225.07	R	1	5	5000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-004378)	274910.83N/0821538.00W	1670	1A
1	310	TOWER (12-004378)	274910.83N/0821538.00W	1670	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC/DME RWY 9	KLAL	LAKELAND	FL (US)

REMARKS:
SARASOTA (FAC 1) AND ST PETERSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 9	1	1	KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 09/19/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: TAMPA APP CON
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: PLUMY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281015.23N/0820749.94W **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	ST PETERSBURG	PIE	VORTAC	H	066.70	061.70	33.35	33.35		2500	17500
2	LAKELAND	LAL	VORTAC	H	329.77	330.77	12.67	12.67		1800	17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	PIE	VORTAC	066.70	246.70	R	1		2000	6000	5	6
2	NE		WP	061.00	241.00	R		4	2000	6000	4	6
3	SE	LAL	VORTAC	149.77	329.77	R	1		2000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002037)	281237.40N/0820257.47W	726	1A
2	200	TOWER (12-002037)	281237.40N/0820257.47W	726	1A
3	200	TOWER (12-001127)	280447.00N/0820226.00W	629	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
LAKELAND (FAC 2) AND ST PETERSBURG (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V152	1, 2				(US)
EN ROUTE	V7-521	1, 2				(US)
IAP	ILS OR LOC/DME RWY 9	1, 2	1, 3	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 23		2	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 27		2	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 5		2	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 9		2	KLAL	LAKELAND	FL (US)
IAP	VOR RWY 27	1, 2	1, 3	KLAL	LAKELAND	FL (US)
IAP	VOR RWY 9	1, 2	1, 3	KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 10			KPCM	PLANT CITY	FL (US)
IAP	VOR RWY 10	1, 2	1	KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 4		2	KGIF	WINTER HAVEN	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
FAC 2: PULLED ACTIVE RECORD
REMOVED CANCELLED LAL NDB 5 & LAL ILS OR LOC RWY 5 FROM FIX USE
ADDED LAL ILS OR LOC/DME RWY 9 TO FIX USE
ADDED PAT 3 FOR LAL ILS OR LOC/DME RWY 9 ALTERNATE MISSED HOLDING

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER: ZJX

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: SUNFN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275920.93N/0820410.70W **TYPE:** WP, DME

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

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	LAKELAND	I-LAL	LOC/DME		273.85	269.85	3.46	3.45		680	4600

REMARKS:
FAC 1 DME L/L 275925.72N / 0820011.31W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 9	1		KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 9			KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/07/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON, LAL ATCT
OTHER:

QUALITY CHECKED 4

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LAKELAND** STATE: **FL**

AIRPORT NAME: **LAKELAND LINDER RGNL** ID: **KLAL**

PROCEDURE: **ILS OR LOC/DME RWY 9** AMDT: **ORIG**

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 **2.88**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.84**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **089.85**
4. High Terrain in **FINAL** segment containing 1000' point **148**
5. Distance from **THLD** to 1500' point **4.56**
   (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 **089.85**
8. High Terrain in **FINAL** segment containing 1500' point **148**
9. Threshold Coordinates (if straight-in) ... **275921.25N** / **0820201.93W**
10. ARP Coordinates ..... **275920.10N** / **0820106.80W**
11. Runway Approach End and distance furthest from ARP ..... RWY **9**
    Distance **0.81** NM
12. FAF Coordinates ..... **275920.39N** / **0820724.86W**

REMARKS: Approach/Drawing attached.