Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 11/04/2011	Task #: 2011110428767901005	Request #: 20111104287679
Procedure: VOR RWY 9 AMDT 4B		Airport ID: KLAL	Airport: LAKELAND LINDER RGNL		Reimbursable #:
City: LAKELAND	ST: FL	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID: LAL	Fac. Type: VORTAC	Specialist: CHRISTOPHER COX			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/14/2012	09/20/2012	MARLON ROBINSON	
QA:	09/20/2012	10/03/2012	STEVEN SZUKALA	
Liaison:	10/03/2012		Spurlin	REQUEST POSSIBLE TABLE TOP REVIEW

P1

Procedure Comments:

Remark Type: INFORMATION

pkg 6 of 7

LAKELAND, FL LAKELAND LINDER RGNL (KLAL) VOR RWY 9, AMDT 4B ENROUTE-YES FC: 11.13.12 PUB: 1.10.13

ATTACHED FORMS: 8260-5; 8260-10; 8260-9; 8260-2(S): AIRBS-INT, REV 3; HANAX-INT, REV 1; LLEGO-INT, REV 2; PLUMY-INT, REV 11; UDATE-INT, REV 1.

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

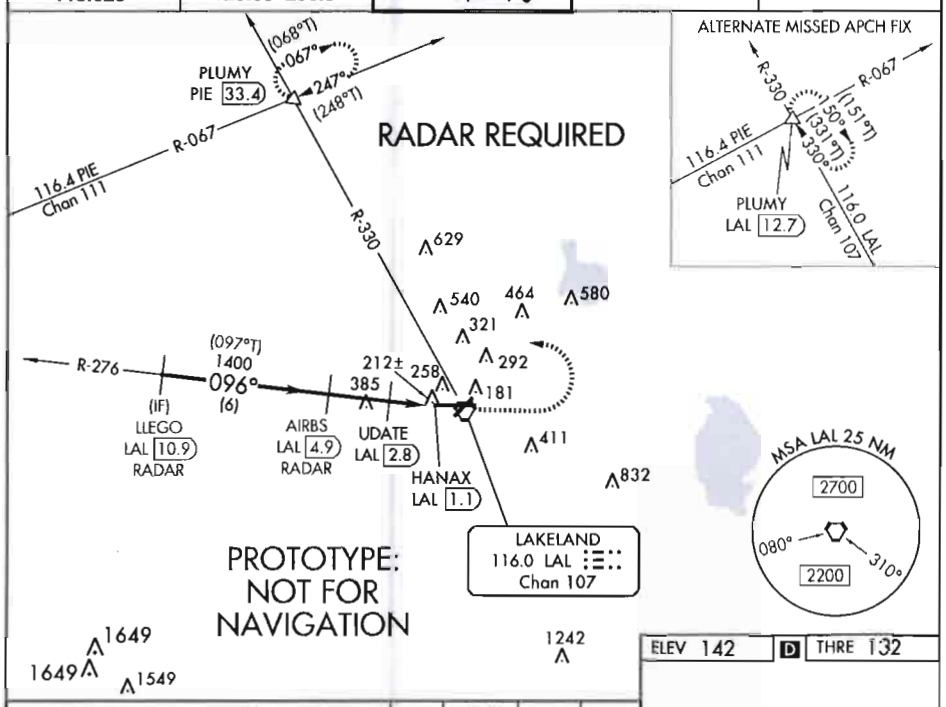
VORTAC LAL 116.0 Chan 107	APP CRS 096°	Rwy ldg 8414 THRE 132 Apt Elev 142

VOR RWY 9
LAKELAND LINDER RGNL (LAL)

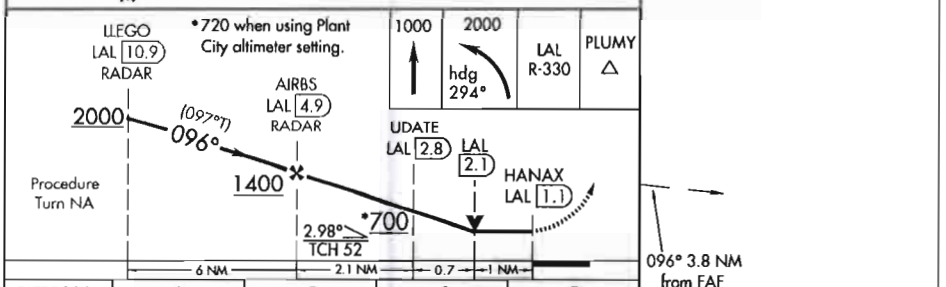
DME or RADAR required. When local altimeter setting not received, use Plant City altimeter setting and increase all MDA 20 feet; increase Circling Cat C visibility ⅛ mile. VDP NA when using Plant City altimeter setting. For inoperative MALSR, increase S-9 Cat C/D visibility to 1⅝; increase UDATE FIX MINIMUMS S-9 Cat C/D visibility to 1¾. For inoperative MALSR when using Plant City altimeter setting, increase UDATE FIX MINIMUMS S-9 Cat C/D visibility to 1⅛.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 on heading 294° 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



ELEV 142 | D | THRE 132

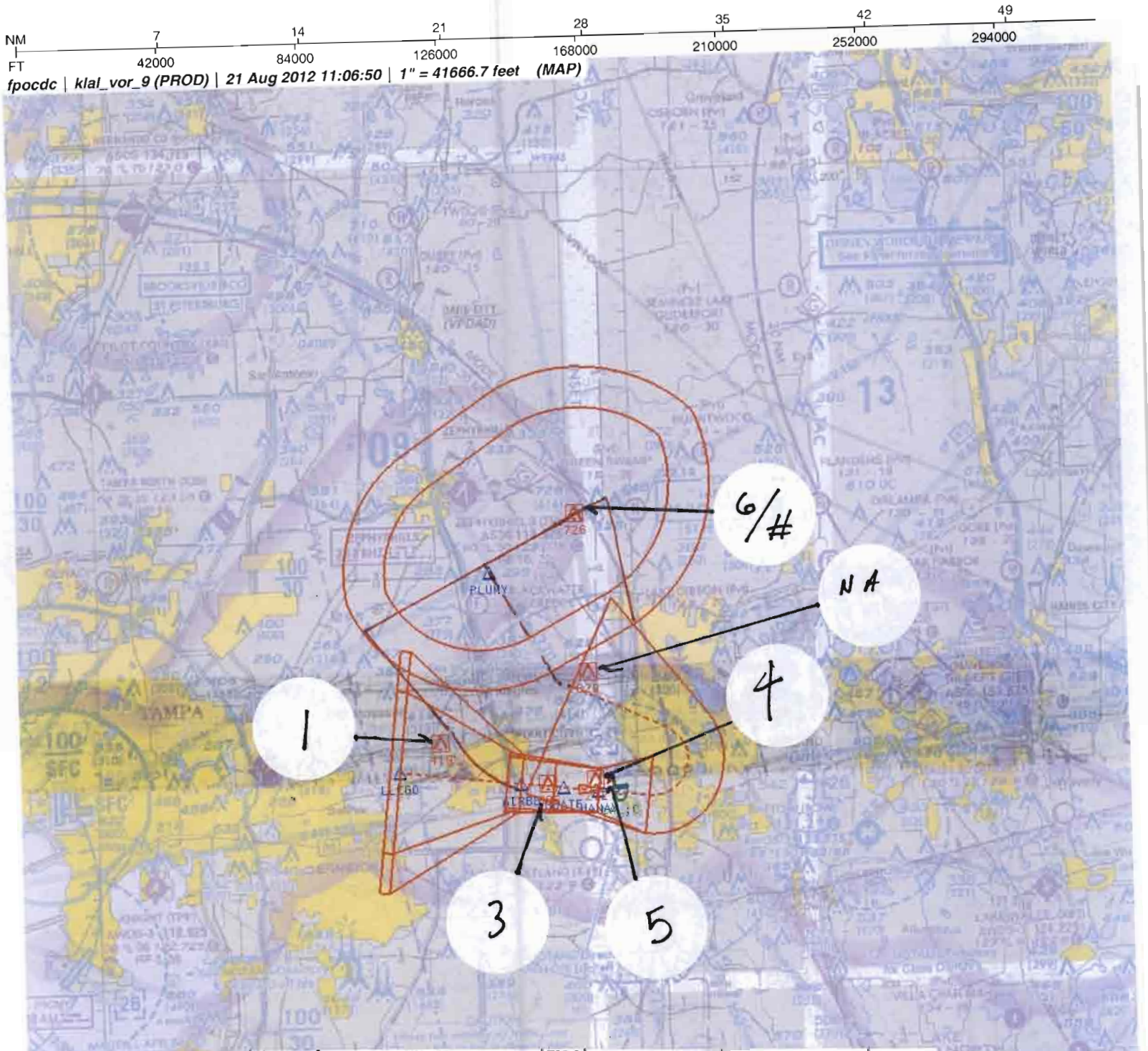


CATEGORY	A	B	C	D
S-9	700-½ 568 (600-½)		700-1¼ 568 (600-1¼)	
CIRCLING	700-1 558 (600-1)		700-1½ 558 (600-1½)	700-2 558 (600-2)
UDATE FIX MINIMUMS				
S-9	500-½ 368 (400-½)		500-¾ 368 (400-¾)	
CIRCLING	600-1 458 (500-1)	660-1 518 (600-1)	660-1½ 518 (600-1½)	700-2 558 (600-2)

HIRL Rwys 5-23 and 9-27

FAF to MAP 3.8 NM

Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

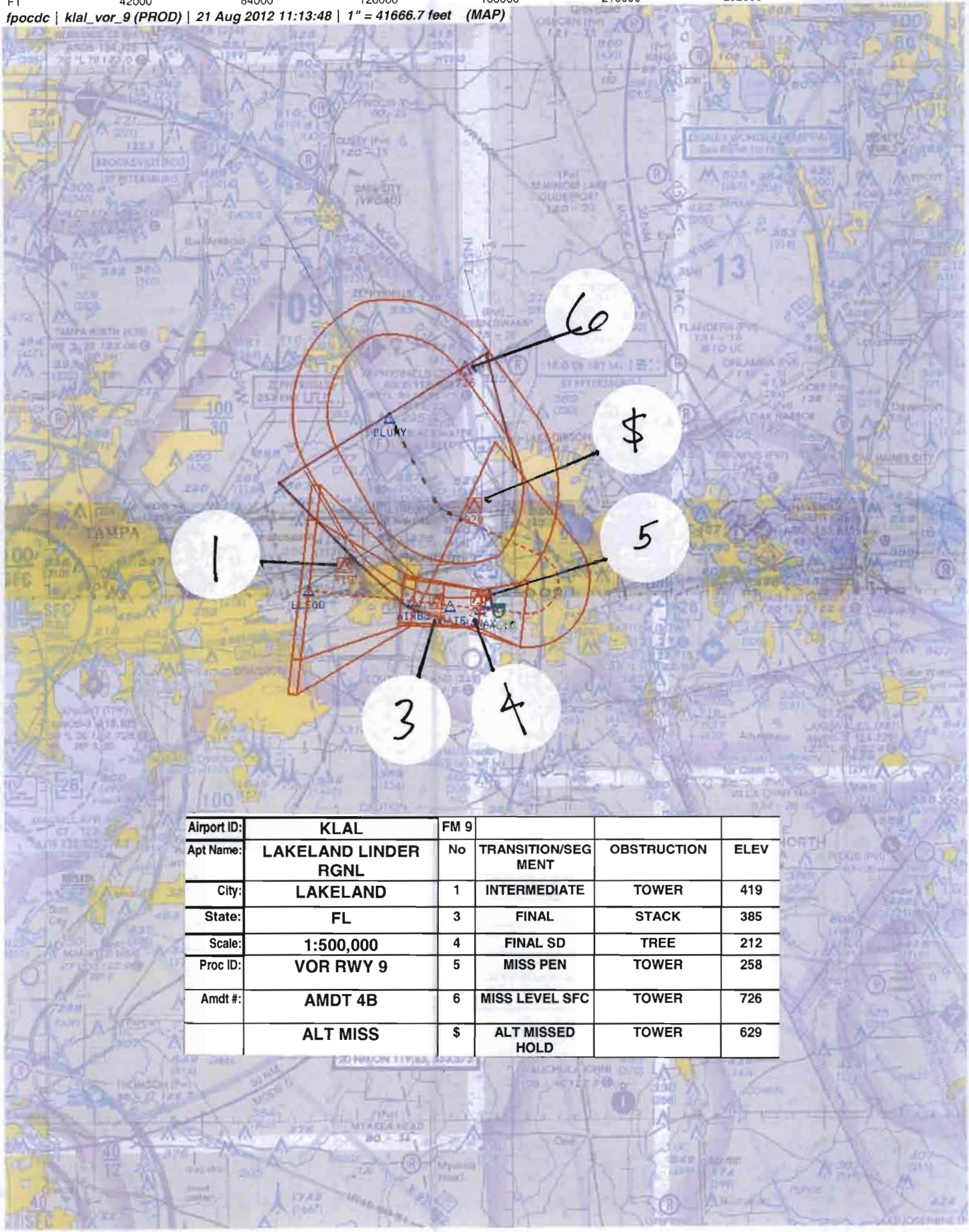


Airport ID:	KLAL	FM 9			
Apt Name:	LAKELAND LINDER RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	LAKELAND	1	INTERMEDIATE	TOWER	419
State:	FL	3	FINAL	STACK	385
Scale:	1:500,000	4	FINAL SD	TREE	212
Proc ID:	VOR RWY 9	5	MISS PEN	TOWER	258
Amdt #:	AMDT 4B	6	MISS LEVEL SFC	TOWER	726
		#	MISS HOLDING	TOWER	726

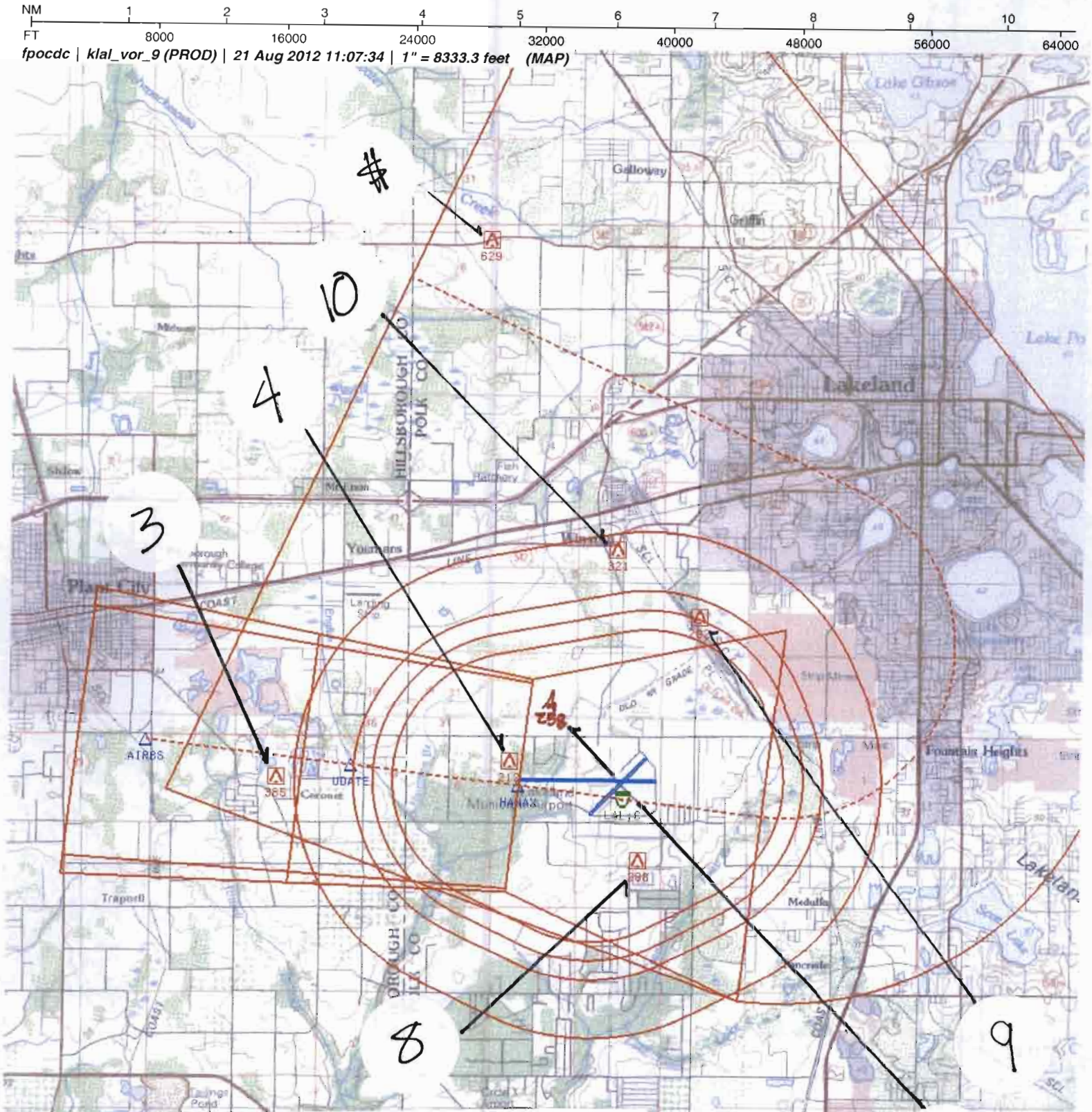
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpocdc | klal_vor_9 (PROD) | 21 Aug 2012 11:13:48 | 1" = 41666.7 feet (MAP)



Airport ID:	KLAL	FM 9			
Apt Name:	LAKELAND LINDER RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	LAKELAND	1	INTERMEDIATE	TOWER	419
State:	FL	3	FINAL	STACK	385
Scale:	1:500,000	4	FINAL SD	TREE	212
Proc ID:	VOR RWY 9	5	MISS PEN	TOWER	258
Amdt #:	AMDT 4B	6	MISS LEVEL SFC	TOWER	726
	ALT MISS	$	ALT MISSED HOLD	TOWER	629



Airport ID:	KLAL	FM 9			
Apt Name:	LAKELAND LINDER RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	LAKELAND	3	FINAL	STACK	385
State:	FL	4	FINAL SD	TREE	212
Scale:	1:100,000	8	CIRC A	TANK	288
Proc ID:	VOR RWY 9	9	CIRC B/C	TOWER	292
Amdt #:	AMDT 4B	10	CIRC D	TOWER	321
		$	ALTERNATE MISSED HOLD	TOWER	629
		5	MISS PEN	TOWER	258

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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
LLEGO/10.92 DME/RADAR (IF)	AIRBS/4.92 DME/RADAR	095.65 / 6.00 (LAL R-276)	1400

MISSED APPROACH

MAP: 3.84 MILES AFTER AIRBS/LAL 4.92 DME/RADAR OR AT HANAX/ 1.08 DME FIX

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 294 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 LEFT TURN TO 2000 ON HEADING 294 AND ON LAL VORTAC R-330 TO PLUMY INT/LAL 12.67 DME AND HOLD (DME REQUIRED).

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 246.70 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE PLUMY INT/LAL 12.67 DME, RT, 329.77 INBOUND.
CHART FAS OBST: 212 TREE 275928N/0820209W
CHART 385 STACK 275917N/0820450W.
CHART VDP AT 2.07 DME;
DISTANCE VDP TO THLD 0.99 MILES.
AIRBS TO RW09: 2.98/52.
CHART PIE VORTAC R-067 AT PLUMY INT/PIE 33.35 DME.
FAC CROSSES RWY C/L EXTENDED 3025 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LLEGO/10.92 DME/RADAR
3. FAC 095.65 FAF AIRBS/4.92 DME/RADAR DIST FAF TO MAP 3.84 THLD 3.84
4. MIN. ALT LLEGO 2000, AIRBS 1400, UDATE/2.80 DME 700*
8. MSA FROM: LAL VORTAC 310-080 2700, 080-310 2200

MAG VAR: 1E EPOCH YEAR:1965

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-9	700	1/2	568	700	1/2	568	700	1 1/4	568	700	1 1/4	568			
CIRCLING	700	1	558	700	1	558	700	1 1/2	558	700	2	558			
UDATE FIX MINIMUMS															
S-9	500	1/2	368	500	1/2	368	500	3/4	368	500	3/4	368			
CIRCLING	600	1	458	660	1	518	660	1 1/2	518	700	2	558			

NOTES:

CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
*720 WHEN USING PLANT CITY ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PLANT CITY ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 142 THRE: 132	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LAKELAND, FL	AIRPORT NAME: LAKELAND LINDER RGNL	LAL	VOR RWY 9, AMDT 4B	AMDT 4A
				DATE 03/10/2011

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME: LEONARD E BURGER	FIFO FIOG	DATE: 08/28/2008
DEVELOPED BY		
NAME: CHRISTOPHER COX	FIFO AJV-352	DATE: 08/21/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. UPDATED MISSED APPROACH TO CHANGE 'VIA' REFERENCES TO 'ON'
2. CHANGED FIX NAMES LOPUW (IF) AND AIMIE (FAF) TO LLEGO (IF) AND AIRBS (FAF)
3. ADDED UDATE FIX MINS
4. CHANGED VDA/TCH FROM 3.00 TO 2.98 / 46 TO 51.8 (52)
5. ADDED ALTERNATE MISSED APPROACH
6. LOWERED S-9 VIS FROM 1,1,1 1/2, AND 1 3/4 TO 1/2, 1/2, 1 1/4, AND 1 1/4.
7. ADDED MALSR INOP NOTES
8. UPDATED BACK-UP ALTIMETER NOTE TO INCLUDE LOCAL ALTIMETER AND VISI ADJUSTMENT
9. UPDATED MSA
10. UPDATE FAS OBSTACLE
11. REMOVED HELICOPTER RESTRICTION
12. CHANGED HEIGHT ABOVE TDZE REFERENCES TO HEIGHT ABOVE THRESHOLD ELEVATION

REASONS:

1. 8260.19E GUIDANCE
2. APT/EFPT REQUEST-FIX NAMES RESERVED BY EFPT
3. OE TEAM VERIFIED NO STUDIES PRECLUDE DESCENT TO 500 MSL, PROCEDURE WAS DESIGNED ORIGINALLY WITH UDATE FIX MINIMUMS, 200' HATH ILS BUILT TO SAME RUNWAY WITH SAME MISSED APPROACH PATH.
4. VGSI TCH IS 51.8 FT: PROCEDURE WAS CONSTRUCTED TO MATCH VGSI.
5. IF PIE IS DOWN, PROCEDURE CAN STILL BE FLOW USING PRIMARY NAVAID (LAL) WITH THE ALTERNATE MISSED
6. APPLICATION OF 8260.3B VOLUME 2, CHAPTER 3, MALSR ADDED TO RWY
7. FALS INSTALLED
8. AS REQUIRED BY 8260.19E AND AS NEEDED WITH UDATE FIX MINIMUMS
9. UPDATED TO MATCH ILS OR LOC RWY 9, ORIG MSA EVALUATION
10. OBSTACLE FROM PREVIOUS AMENDMENT WAS REMOVED (TREE)
11. VISUAL SURFACES PENETRATIONS WERE REMOVED BY AIRPORT
12. APPLICATION OF 8260.3B CHANGE 20 VOLUME 2 CHAPTER 3 PARA 3.1

QUALITY CHECKED 4

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
INCREASE ALL MDA 20 FEET; INCREASE CIRCLING CAT C VISIBILITY 1/8 MILE.
CHART NOTE: VDP NA WHEN USING PLANT CITY ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-9 CAT C/D VISIBILITY TO 1 5/8; INCREASE UDATE FIX MINIMUMS S-9 CAT C/D VISIBILITY TO 1 3/4.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PLANT CITY ALTIMETER SETTING, INCREASE UDATE FIX MINIMUMS S-9 CAT C/D VISIBILITY TO 1 1/8.

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	LAL	VOR RWY 9, AMDT 4B	AMDT: 4A
				DATED: 03/10/2011

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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	LLEGO/10.92	AIRBS/4.92	1. TOWER (12-001581)	280126.16N/0821046.28W	419 (2C)	500	AT481	1400
	DME/RADAR	DME/RADAR	2. TERRAIN	275945.00N/0820942.00W	155 (200)		AS1000	1200
FINAL	AIRBS/4.92	UDATE/2.80 DME	3. STACK (12-000782)	275917.00N/0820450.00W	385 (4D)	250	AC50	700
	DME/RADAR							
FINAL: STEPDOWN	UDATE/2.80 DME	3.84 MILES AFTER	4. TREE (KLAL0019)	275927.87N/0820208.79W	212 (1A)	250	MA1	500
		AIRBS/LAL 4.92						
		DME/RADAR OR AT						
		HANAX/ 1.08 DME						
		FIX						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	3.84 MILES AFTER	PLUMY INT/PIE	5. TOWER (12-004657)	275956.21N/0820144.79W	258 (2C)	ASC		2000
	AIRBS/LAL 4.92	33.35 DME	6. TOWER (12-002037)	281237.40N/0820257.47W	726 (1A)	1000		1800
ELEV:	250		7. TERRAIN	280518.00N/0815851.00W	270 (300)		AS1500	1800
8. TANK (12-023267)	275827.38N/0820038.43W	288 (1A)	300	SI	700 / 600
9. TOWER (12-004824)	280056.98N/0815958.49W	292 (5D)	300	SI / AC50	700 / 660
9. TOWER (12-004824)	280056.98N/0815958.49W	292 (5D)	300	SI / AC50	700 / 660
10. TOWER (12-005041)	280137.65N/0820055.48W	321 (1A)	300	SI / HAA	700 / 700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	558 / 458
CATEGORY B	1.5 NM	450	558 / 518
CATEGORY C	1.7 NM	450	558 / 518
CATEGORY D	2.3 NM	550	558 / 558
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					

ORIGINAL 4 CHECKED

CITY AND STATE	ELEVATION: 142 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKELAND, FL	LAKELAND LINDER RGNL	LAL	VOR RWY 9, AMDT 4B	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
LAL TOWER TPA APP CON ZMA ARTCC	N W S / F A A / A / C — OTHER: AWOS-3	SOURCE: KLAL / KPCM DISTANCE: 0 / 7.72 HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON: X V H F, X U H F, H F	LOCATION: KLAL	ADJUSTMENT: 0 / 19.26

4. MONITOR STATUS	PRIMARY NAVAID:	LAL VORTAC
	MONITOR POINT:	AOCC
	HRS OPTN: CAT 1	24
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 05 (PCL), 09 (PCL)
	X	HIRL 27 (PCL), 05 (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:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	RUNWAY THRESHOLD 3025	FT. FROM THRESHOLD
	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: CHRISTOPHER COX	DATE: 08/21/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

3. ALTIMETER SETTING
ADJUSTMENT: 19.26
KLAL IS ON SERVICE A. KPCM IS ON SERVICE A.

VGSI DATA: 3.00/51.8

SEE ATTACHED AIRSPACE LETTER.

RASS (PRESSURE PATTERNS ARE THE SAME)
KLAL: 142.0 MSL
KPCM: 153.8 MSL

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
5. TOWER (12-004657) 275956.21N/0820144.79W 258 (2C) ASC 2000
6. TOWER (12-002037) 281237.40N/0820257.47W 726 (1A) 1000 1800
7. TERRAIN 280518.00N/0815851.00W 270 (300) AS1500 1800

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AIRBS **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275944.43N/0820621.14W **TYPE:** RADAR, 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	LAL	VORTAC	H	275.65	276.65	4.92	4.92	29886	1400	6000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 9	1		KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
CHANGED NAME FROM AIMIE TO AIRBS
ADDED NM AND FT DISTANCE VALUES TO FAC 1
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/21/2012 **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 ATCT
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: HANAX **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275917.74N/0820202.39W **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	LAKELAND	LAL	VORTAC	H	275.65	276.65	1.08	1.08		400	6000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR 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 DIST FROM NM TO FAC1
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/21/2012 **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: LLEGO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280025.78N/0821305.24W **TYPE:** RADAR, 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	FEET	MRA	MAA
1	LAKELAND	LAL	VORTAC	H	275.65	276.65	10.92	10.92		2000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 9	1		KLAL	LAKELAND	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
NAME CHANGED FROM LOPUW TO LLEGO
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/21/2012 **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: 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

RADIO FIX AND HOLDING DATA RECORD

NAME: UDATE **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 275929.72N/0820358.49W **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	LAKELAND	LAL	VORTAC	H	275.65	276.65	2.80	2.80		600	6000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR 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 DIST NM TO FAC 1
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/21/2012 **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