Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 08/23/2011	Task #: 2011061321480358002	Request #: 20110613214803
Procedure: RNAV (GPS) RWY 33 AMDT 2		Airport ID: KLCH	Airport: LAKE CHARLES RGNL		Reimbursable #:
City: LAKE CHARLES	ST: LA	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: BRIAN BICKETT			

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/12/2011	03/07/2012	DAVID PUGLISI	
QA:	03/07/2012	03/07/2012	DAVID PUGLISI	
Liaison:	03/07/2012		Terrell	

P1

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

pkg 1 of 3

LAKE CHARLES, LA LAKE CHARLES RGNL (KLCH) RNAV (GPS) RWY 33, AMDT 2 (LPV) ENROUTE-NO FC: 6.12.12 PUB: 7.26.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ATUYE, ORIG; JERIL, ORIG; SOTLE, REV 2; ZUKLA, REV 2.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:

RNAV (GPS) RWY 33
LAKE CHARLES RGNL (LCH)

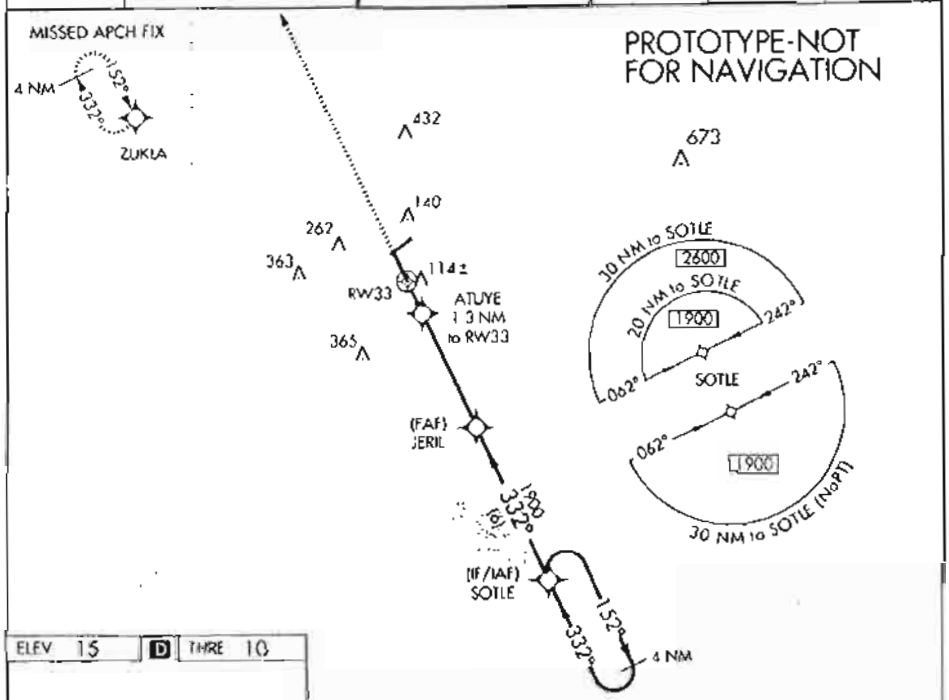
WAAS CH 56215 W33A	APP CRS 332°	Rwy ldg 6500 THRE 10 Apt Elev 15

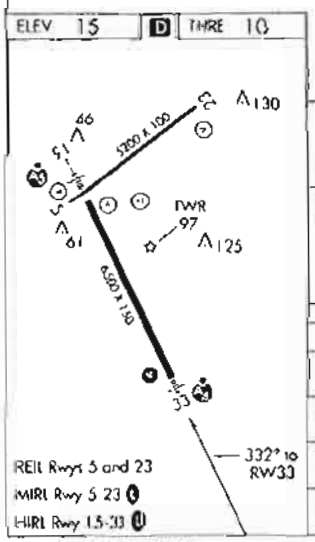
ASR When VGSI inop, Circling Rwy 5 NA at night. For uncompensated Baro VNAV systems, LNAV/ VNAV NA below -3°C (27°F) or above 43°C (109°F). DME/DME RNP-0.3 NA. For inoperative MALSF, increase LNAV/VNAV all Cats visibility to ⅝ and LNAV all Cats visibility to 1 mile.

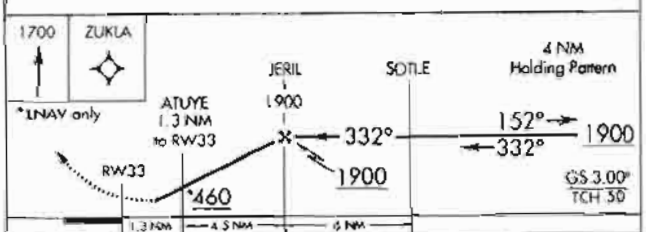
MALSF

MISSED APPROACH: Climb to 1700 direct ZUKLA and hold

ATIS	LAKE CHARLES APP CON*	LAKE CHARLES TOWER*	GND CON	CLNC DEL	UNICOM
118.75	119.35 353.75	120.7 (CTAF) 257.8	121.8	126.25	122.95

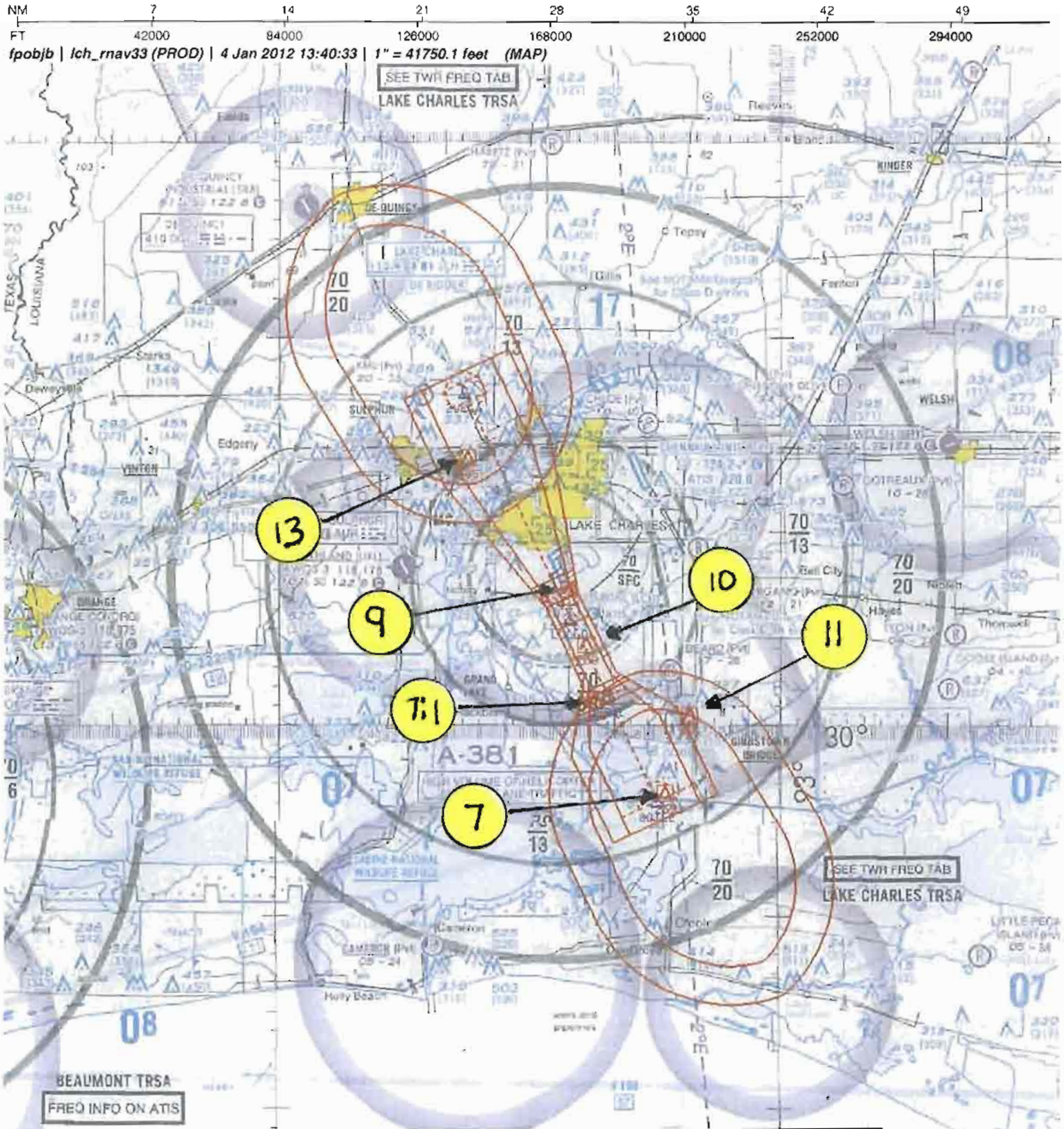




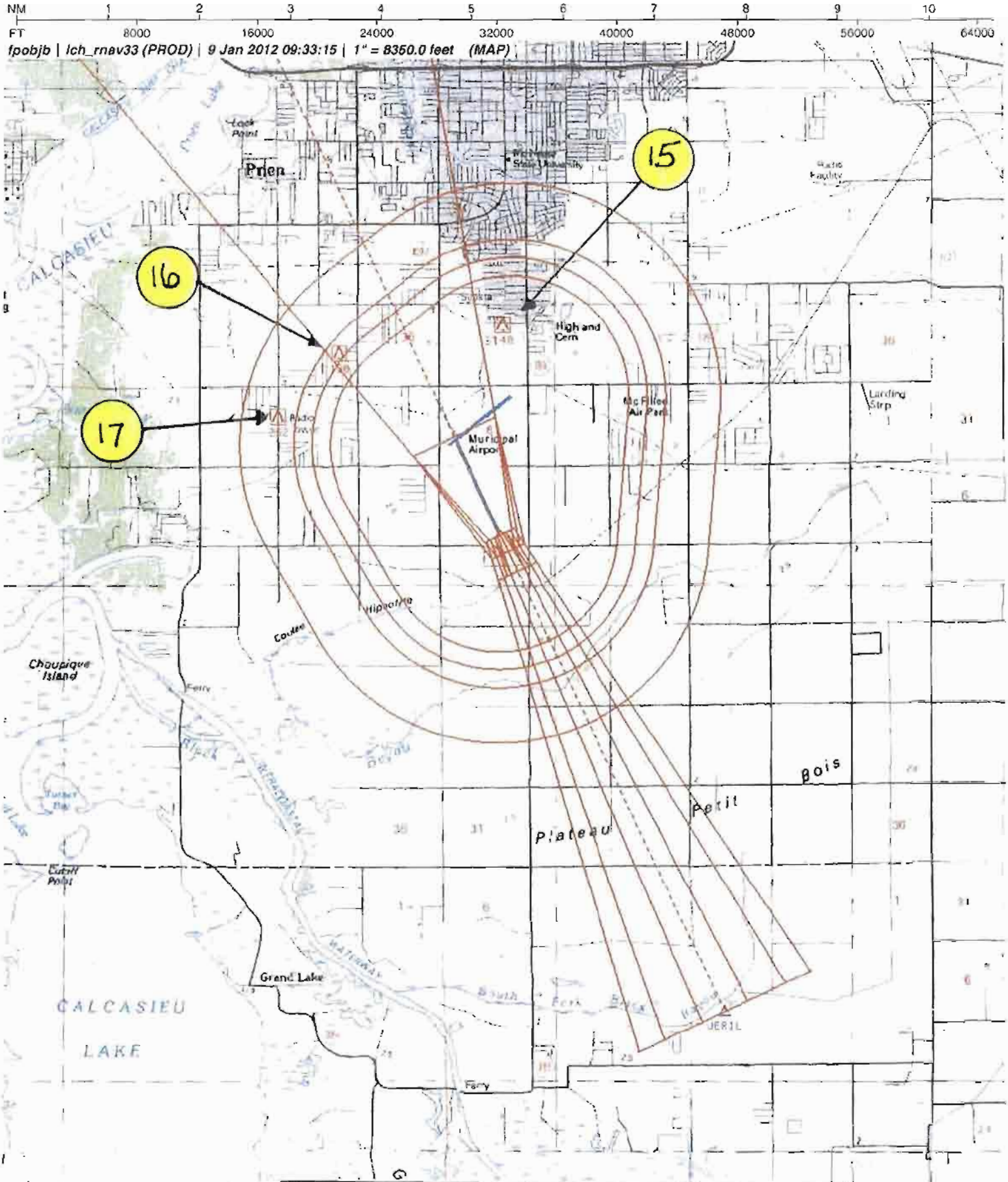


CATEGORY	A	B	C	D
LPV DA	210-¾ 200 (200-¾)			
LNAV/VNAV DA	295-⅝ 285 (300-⅝)			
LNAV MDA	380-¾ 370 (400-¾)			
CIRCLING	440-1 425 (500-1)	480-1 465 (500-1)	480-1½ 465 (500-1½)	580-2 565 (600-2)

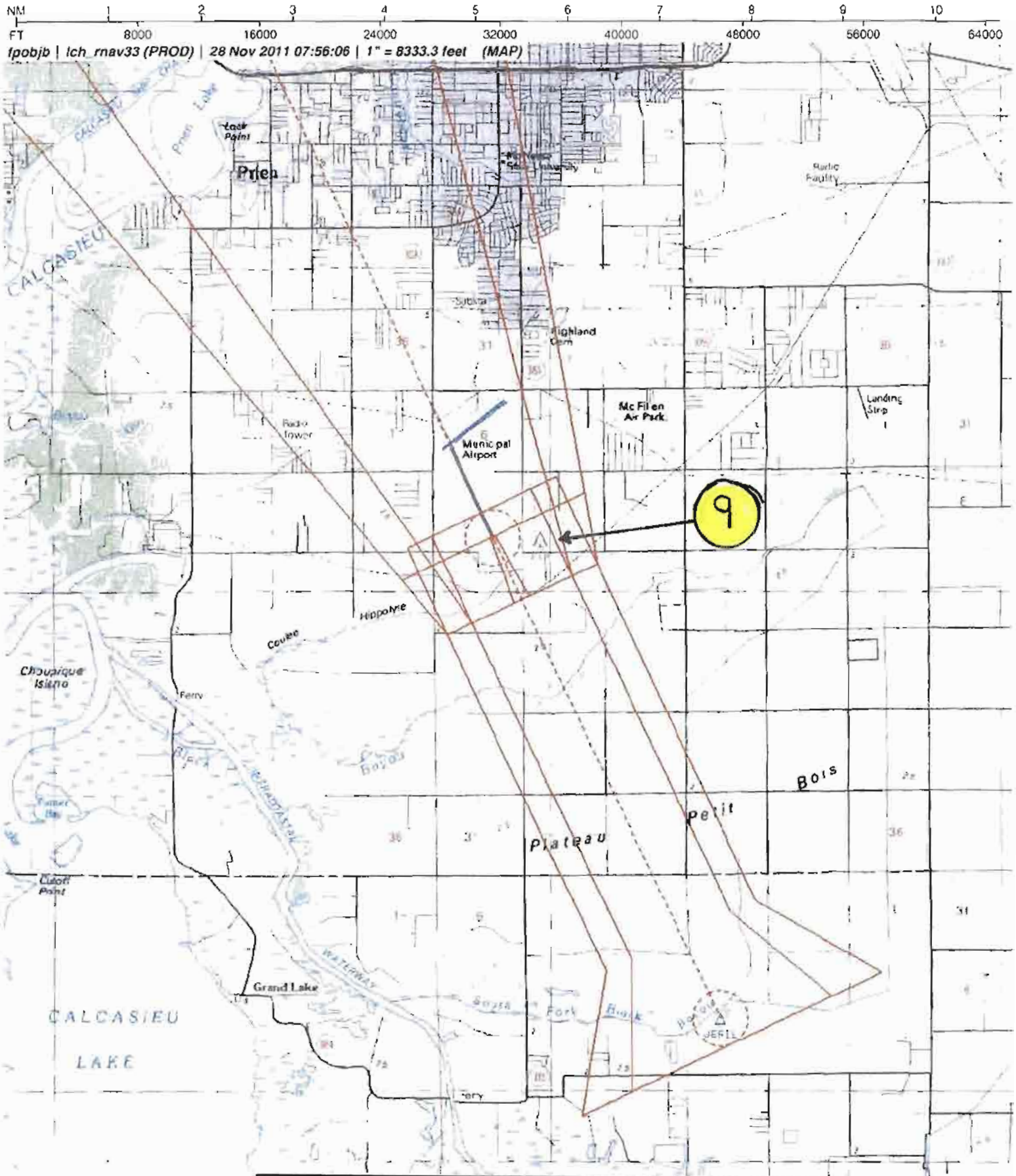
30°08'N-93°13'W



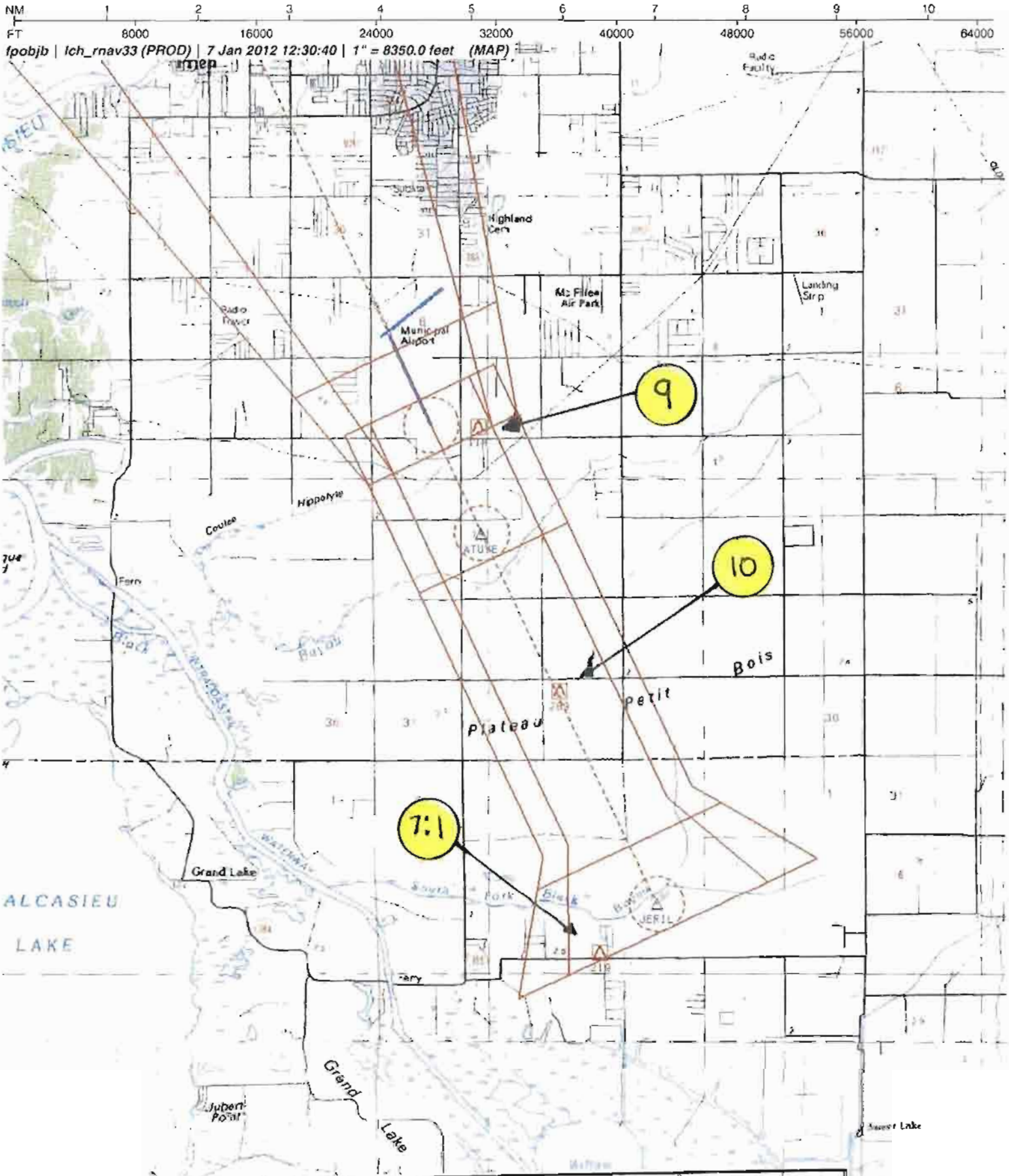
Airport ID:	KLCH	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAKE CHARLES RGNL				
City:	LAKE CHARLES	7	INTERMEDIATE	T-L TOWER	255
State:	LA	11	HOLD-IN-LIEU	TOWER	355
Proc ID:	RNAV (GPS) RWY 33	10	LNAV FINAL	AAO	209
Amdt #:	AMDT 2	11	LNAV STEPDOWN	TREE	114
		7:1	LNAV FINAL	AAO	219
		13	MISSED LVL SURFACE	TOWER	595
Scale:	1:500,000	13	MISSED HOLDING	TOWER	595



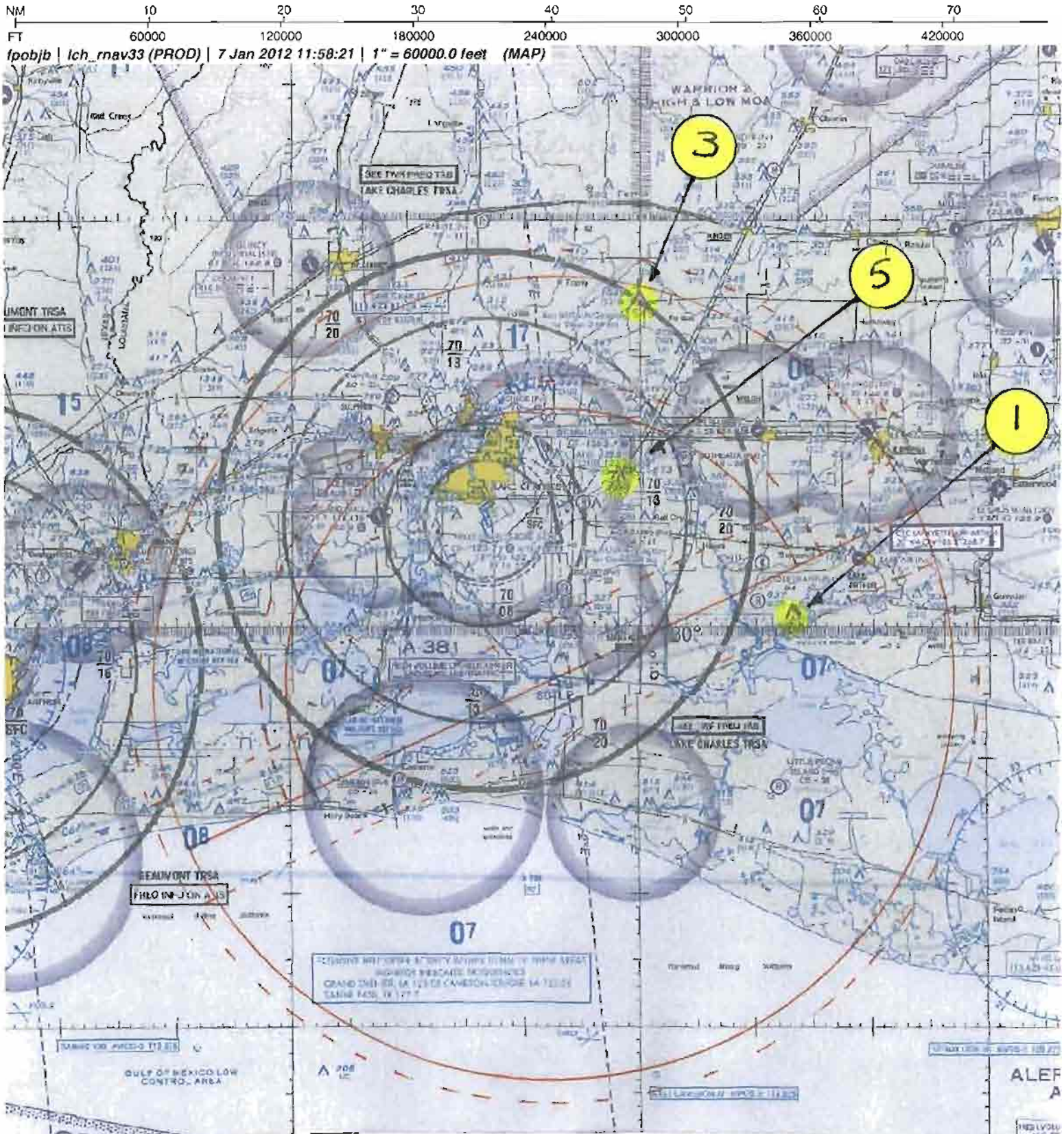
Airport ID:	KLCH	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAKE CHARLES RGNL				
City:	LAKE CHARLES		LPV FINAL	ASC	
State:	LA	15	CIRCLING CAT A/B	TOWER	140
Proc ID:	RNAV (GPS) RWY 33	16	CIRCLING CAT C	TOWER	180
Amdt #:	AMDT 2	17	CIRCLING CAT D	TOWER	262
Scale:	1:100,000				



Airport ID.	KLCH	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAKE CHARLES RGNL				
Cnty:	LAKE CHARLES	9	LNAV/VNAV FINAL	TREE	114
State:	LA				
Proc ID	RNAV (GPS) RWY 33				
Amdt #:	AMDT 2				
Scale	1:100,000				



Airport ID:	KLCH	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apl Name:	LAKE CHARLES RGNL				
City:	LAKE CHARLES	7:1	LNAV FINAL	AAO	219
State:	LA	10	LNAV FINAL	AAO	209
Proc ID:	RNAV (GPS) RWY 33	9	LNAV FINAL STEP	TREE	114
Amdt #:	AMDT 2				
Scale:	1:100,000				



Airport ID:	KLCH	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	LAKE CHARLES RGNL				
City:	LAKE CHARLES	1	STRAIGHT-IN 242/30 CW 062/30	TOWER	637
State:	LA				
Proc ID:	RNAV (GPS) RWY 33	3	STRAIGHT-IN FROM 062/30 CW 242/30 TO 062/20 CW 242/20	TOWER	1549
Amdt #:	AMDT 2				
Scale:		5	STRAIGHT-IN 062/20 CW 242/20	TOWER	673

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SOTLE (IF/IAF)	JERIL (FB)	331.74 / 6.00	1900
JERIL (FAF)	ATUYE/1.30 NM TO RW33 (FB)	331.72 / 4.48	
ATUYE/1.30 NM TO RW33	RW33 (MAP) (FO)	331.70 / 1.30	
RW33 (MAP)	210 MSL	331.70	
210 MSL	ZUKLA (FO)		1700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 1700 DIRECT ZUKLA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE SOTLE, RT, 331.74 INBOUND, 1900 FT. IN LIEU OF PT (IAF)
3. FAC: 331.72 FAF: JERIL DIST FAF TO MAP: 5.78 THLD: 5.78
4. MIN. ALT: SOTLE 1900, JERIL 1900, ATUYE/1.30 NM TO RW33 460*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1900 GS ALT AT: JERIL 1900 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 151.65 INBOUND.
CHART FAS OBST: 114 TREE 300639N/0931233W
219 AAO 300053.98/0931100.60W
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
WAAS CHANNEL # 56215
REFERENCE PATH ID: W33A
CHART: ASR
LTP HAE: -24 M

MAG VAR: 3E EPOCH YEAR: 2005

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	210	3/4	200	210	3/4	200	210	3/4	200	210	3/4	200			
LNAV/VNAV DA	295	3/4	285	295	3/4	285	295	3/4	285	295	3/4	285			
LNAV MDA	380	3/4	370	380	3/4	370	380	3/4	370	380	3/4	370			
CIRCLING	440	1	425	480	1	465	480	1 1/2	465	580	2	565			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 15 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	AIRPORT NAME: LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1C
				DATED 02/10/2011

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 ZHU, LCH APP CON, LCH ATCT, AMGR, ST. AV. DIR

FLIGHT CHECKED BY		
NAME: GREGORY RAYMOND BAUR	FIFO FIOG	DATE: 04/03/2012
DEVELOPED BY		
NAME: JOSE ALFONSO (BRIAN J BICKETT)	FIFO AJV-353	DATE: 01/07/2012
APPROVED BY		
NAME: GREGORY YAMAMOTO MANAGER	FIFO AVN-120	DATE: 04/17/2012

CHANGES:

1. DELETED INITIAL SEGMENTS (HATIN) AND (JANAM).
2. CHANGED LEFT AND RIGHT BASE TAA TO STRAIGHT-IN.
3. UPDATE NEW PFAF FIX (JERIL).
4. CHANGED FAC FROM (331.71) TO (331.72).
5. DIST FAF TO MAP/THLD CHANGED FROM (5.68) TO (5.78).
6. REMOVED VDP
7. LPV DA/VIS/HAT CHANGED FROM (270, 1, 259) TO (210, 1/2, 200) ALL CATS.
8. LNAV/VNAV/ DA/VIS/HAT CHANGED FROM (380, 1 1/4, 369) TO (295, 5/8, 285) ALL CATS.
9. LNAV HAT CHANGED FROM (369) TO (370) ALL CATS AND CAT D VIS CHANGED FROM (1 1/4) TO (3/4).
10. ADDED LNAV STEPDOWN.
11. CHANGED CHART NOTE: "BARO-VNAV NA BELOW -15 C (5 F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 43C (109F)".
12. ADDED CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 AND LNAV ALL CATS VISIBILITY TO 1 MILE.
13. ADDITIONAL FLIGHT DATA HOLDING COURSE INBOUND CHANGED FROM (151.67) TO (151.65).
14. ADDED CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT.

REASONS:

1,2. PER FPT AND LCH AIR TRAFFIC
3-5. USED 8260.54A CRITERIA. PFAF MOVED 591.14 FT SOUTHEAST.
6. VDP IS LESS THAN 0.5NM AFTER STEPDOWN.
7-9. UPDATED PROCDURE EVALUATION.
10. TO MAINTAIN CURRENT PUBLISHED MINIMA.
11. IAW 8260.19D PARA 497.
12,13. UPDATE PROCEDURE EVALUATION.
14. RWY 5 HAS 20:1 PENETRATION.

PDF -3 EDITS
1. ADDED (FAF) TO JERIL IN TERMINAL ROUTES.
2. REMOVED ALTITUDE FROM ATUYE IN TERMINAL ROUTES.
3. CHANGED MISSED APPROACH CLIMB TO ALTITUDE TO 1700 IN TERMINAL ROUTES.
4. ADDED "STANDARD" TO ALTERNATE MINIMUMS.

SEE 8260-10

QUALITY CHECKED

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 AND LNAV ALL CATS VISIBILITY TO 1 MILE.

TAA

	FROM	TO	ALT
1.	242/30 CW 062/30 (NOPT)	SOTLE (IF/IAF) (FB)	1900
2.	062/30 CW 242/30	062/20 CW 242/20	2600
3.	062/20 CW 242/20	SOTLE (IF/IAF) (FO)	1900

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 15 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	AIRPORT NAME: LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1C
				DATED: 02/10/2011

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:

REASONS CONT.

05/16/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/17/2012.
1. LNAV/VNAV VISIBILITY CHANGED FROM 5/8 MILE ALL CATS TO 3/4 MILE ALL CATS.

QUALITY 1 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLCH
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	300645.2285N
LTP/FTP LONGITUDE	0931308.8745W
LTP/FTP ELLIPSOIDAL HEIGHT	-00240
FPAP LATITUDE	300805.9700N
FPAP LONGITUDE	0931352.7800W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	DD768097

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00031
FPAP ORTHOMETRIC HEIGHT	+00031

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 15 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	AIRPORT NAME: LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1C
				DATED: 02/10/2011

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:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ATUYE K40    W     N30053454W093123044                      E0018     NAR           ATUYE
        SUSAEAENRT   JERIL K40    W     N30013107W093101823                      E0017     NAR           JERIL
        SUSAEAENRT   SOTLE K40    W     N29560473W093072129                      E0017     NAR           SOTLE
        SUSAEAENRT   ZUKLA K40    W     N30171431W093185167                      E0018     NAR           ZUKLA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLCHK4ALCH     0     065YHN30073390W093132430E003000015         1800018000C    MNAR    LAKE CHARLES RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLCHK4FR33   ASOTLE 010SOTLEK4EA0EE AR   HF                    33170040    + 01900     18000                A JS
        SUSAP KLCHK4FR33   R      010SOTLEK4EA0E  I    IF                                + 01900     18000                A JS
        SUSAP KLCHK4FR33   R      020JERILK4EA1E  F 051TF                    33170060    + 01900                          A JS
        SUSAP KLCHK4FR33   R      020JERILK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KLCHK4FR33   R      021ATUYEK4EA0E S  031TF                    33170045    V 0046000474        -300         A JS
        SUSAP KLCHK4FR33   R      030RW33 K4PG0GY M 031TF                    33170013      00060             -300         A JS
        SUSAP KLCHK4FR33   R      040         0  M     CA                    3317        + 00210                          A JS
        SUSAP KLCHK4FR33   R      050ZUKLAK4EA0EY      DF                                + 01700                          A JS
        SUSAP KLCHK4FR33   R      060ZUKLAK4EA0EE  R   HM                    15170040    + 01700                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLCHK4GRW33    0065003317 N30064523W093130887+0000    -0024000010000050150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLCHK4PR33   RW33 001 0000W33A0N3006452285W09313088745-002400300N3008059700W093135278001067507680005 00F400350DD768097
        SUSAP KLCHK4PR33   RW33 002E      +00031+00031LPV       56215
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 15 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	AIRPORT NAME: LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1C
				DATED: 02/10/2011

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:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SOTLE	SOTLE	010	IAF	HF	R	FO		331.7(334.7T)	004.0	AA 01900	
		SOTLE	010	FACF	IF		FB				AA 01900	
		JERIL	020	FAF	TF		FB	0.5	331.7(334.7T)	006.0	AA 01900	
		ATUYE	021	SDF	TF		FB	0.3	331.7(334.7T)	004.5	AA 00460 GS 00474	
		RW33	030	MAP	TF		FO	0.3	331.7(334.7T)	001.3	AT 00060	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		331.7(334.7T)		AA 00210	
	ZUKLA	050		DF		FO				AA 01700	
	ZUKLA	060		HM	R	FO		151.7(154.7T)	004.0	AA 01700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATUYE	N300534.54	W0931230.44	N3005.576	W09312.507
	JERIL	N300131.07	W0931018.23	N3001.518	W09310.304
	SOTLE	N295604.73	W0930721.29	N2956.079	W09307.355
	ZUKLA	N301714.31	W0931851.67	N3017.239	W09318.861
	RW33	N300645.23	W0931308.87	N3006.754	W09313.148

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00010	50

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 15 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	AIRPORT NAME: LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	AMDT: 1C
				DATED: 02/10/2011

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:	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.
STRAIGHT-IN AREA	242/30 CW 062/30	SOTLE	1. TOWER (22-002006)	300032.00N/0924648.00W	637 (5D)	1000	AT263	1900
			2. TERRAIN	301145.00N/0923918.00W	27 (0)		AS1500	1500
STRAIGHT-IN AREA	062/30 CW 242/30	062/20 CW 242/20	3. TOWER (22-000809)	302347.00N/0930004.00W	1549 (2D)	1000		2600
			4. TERRAIN	302518.00N/0931842.00W	69 (100)		AS1500	1600
STRAIGHT-IN AREA	062/20 CW 242/20	SOTLE	5. TOWER (22-003177)	301049.00N/0930153.00W	673 (5D)	1000	AT227	1900
			6. TERRAIN	301339.00N/0925909.00W	30 (0)		AS1500	1500
INTERMEDIATE	SOTLE (IF/IAF)	JERIL	7. T-L TWR (22-001053)	295606.00N/0930650.00W	255 (5D)	500	AT1145	1900
			8. TERRAIN	300053.98N/0931100.60W	19 (0)		AS1500	1500
FINAL: LPV	JERIL	RW33				ASC		210/200
FINAL: LNAV/VNAV	JERIL	RW33	9. TREE	300639.00N/0931233.00W	114 (2C)	PDA	AC20	295/285
FINAL: LNAV	JERIL	ATUYE/1.30 NM TO RW33	10. AAO	300345.70N/0931131.36W	209 (2C)	250		460
FINAL: LNAV STEPDOWN	ATUYE/1.30 NM TO RW33	RW33	9. TREE	300639.00N/0931233.00W	114 (2C)	250		380
2. HOLD-IN-LIEU-OF-PT	SOTLE	P-4	11. TOWER (22-003113)	300005.00N/0930524.00W	355 (5D)	1000	AT545	1900
			12. TERRAIN	300031.00N/0930646.00W	10 (0)		AS1500	1500
3. MISSED APPROACH MAP:	DA / DA / RW33	ZUKLA				ASC		1700
			13. TOWER (22-003262)	301325.00N/0931837.00W	595 (5D)	1000		1600
ELEV:	45/134/280		14. TERRAIN	301824.00N/0931600.00W	30 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	425	15. TOWER (22-002844)	300856.00N/0931306.00W	140 (2C)	300		440
CATEGORY B	1.5 NM	450	465	15. TOWER (22-002844)	300856.00N/0931306.00W	140 (2C)	300	HAA	480
CATEGORY C	1.7 NM	450	465	16. TOWER (22-003368)	300837.20N/0931509.84W	180	300		480
CATEGORY D	2.3 NM	550	565	17. TOWER (22-003184)	300755.83N/0931556.22W	262 (2C)	300		580
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE	ELEVATION: 15 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKE CHARLES, LA	LAKE CHARLES RGNL	RNAV	RNAV (GPS) RWY 33, AMDT 2	ASW

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 15 (PCL) MALSF 33 (PCL)
	X	HIRL 33 (PCL), 15 (PCL)
	X	MIRL 05, 23
	X	REIL 05, 23
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 05, 15 VASI-4L 33 (PCL), 23
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 33, 15
	INSTRUMENT	NPI-G 05, 23
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	15
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 10.3
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JOSE ALFONSO (BRIAN J BICKETT)	DATE: 01/07/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

ISA DEVIATION USED: -3C

ASOS IS ON SERVICE A.
VGSI DATA: 3.00/50 TCH

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2006-2010).

LPV SLOPE: 34:1
LNAV/VNAV SLOPE 22.2:1

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
RW5: 20:1 PENETRATION:
44 POLE (KLCH0027) 300739.97N/0931356.16W (4.44)

RWY 5 HAS 20:1 PENETRATIONS WITH VGSI: CIRCLING NA AT NIGHT WHEN VGSI INOP.

DATABASE OBSTACLES USED FOR EVALUATION OF FINAL LOCATED WITHIN LATERAL CONFINES OF THE PRECISION APPROACH TRAPEZOID.

BACKUP ALTIMETER NOT ESTABLISHED DUE TO REDUNDANT WEATHER SOURCES (NWS) AT AIRPORT.

TERPS PARAGRAPH 289 APPLIED TO:
219 AAO 300054N/0931101W (LNAV FINAL).

100 FT VEGETATION HEIGHT USED PER CENTRAL FPT.

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ATUYE **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 300534.54N/0931230.44W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33			KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 01/07/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (BRIAN BICKETT)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT, LCH APP CON
OTHER:

QUALITY CHECKED A

RADIO FIX AND HOLDING DATA RECORD

NAME: JERIL **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 300131.07N/0931018.23W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 33			KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 10/17/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (BRIAN BICKETT)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT, LCH APP CON
OTHER:

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SOTLE **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 295604.73N/0930721.29W **TYPE:** WP

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

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	SE		WP	151.74	331.74	R		4	1900	14000	4	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (22-003113)	300005.00N/0930524.00W	355	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 15		1	KLCH	LAKE CHARLES	LA (US)
IAP	RNAV (GPS) RWY 33		1	KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX LAT/LONG. FIX MOVED 590.68 FEET SOUTHEAST.
REMOVED FAC 1 DATA.
ADDED REMARK - PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/04/2012 **OFFICE:** AJV-353 **NAME:** JOSÉ ALFONSO (BRIAN BICKETT)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT, LCH APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUKLA **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 301714.31N/0931851.67W **TYPE:** WP

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

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	NW		WP	331.65	151.65	R		4	1700	17500	4	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (22-003262)	301325.00N/0931837.00W	595	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 15		1	KLCH	LAKE CHARLES	LA (US)
IAP	RNAV (GPS) RWY 33		1	KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX LAT/LONG. FIX MOVED 373.69 FEET NORTHWEST.
CHANGED HOLDING PATTERN INBOUND COURSE FROM (151.67) TO (151.65).
REMOVED FAC 1 DATA.
ADDED REMARK - PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/04/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (BRIAN BICKETT)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT, LCH APP CON
OTHER:

QUALITY 4 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LAKE CHARLES** STATE: **LA**

AIRPORT NAME: **LAKE CHARLES RGNL** ID: **KLCH**

PROCEDURE: **RNAV (GPS) RWY 33** AMDT: **2**

DOCKET#:
(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 **2.95**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **334.72**
4. High Terrain in **FINAL** segment containing 1000' point **19**
5. Distance from **THLD** to 1500' point **4.98**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.39**
7. True Course of **FINAL** segment containing 1500' point **334.72**
8. High Terrain in **FINAL** segment containing 1500' point **19**
9. Threshold Coordinates (if straight-in) ... **300645.23N / 0931308.87W**
10. ARP Coordinates ..... **300733.90N / 0931324.30W**
11. Runway Approach End and distance furthest from ARP ..... RWY **33**
    Distance **0.84** NM
12. FAF Coordinates ..... **300131.07N / 0931018.23W**

REMARKS: Approach/Drawing attached.
TAA: IF/IAF SOTLE: 295604.73N/0930721.29W

RADIO FIX AND HOLDING DATA RECORD

NAME: HATIN **STATE:** LA **COUNTRY:** US

CANCEL

LATITUDE/LONGITUDE: 295818.29N/0930211.67W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	SOTLE					064.74	5.00				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LAKE CHARLES REGIONAL - RNAV (GPS) RWY 33.			KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/07/2005

REASON FOR REVISION:
UPDATED COORDINATES.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT
OTHER: LCH APP CON

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JANAM **STATE:** LA **COUNTRY:** US

CANCEL

LATITUDE/LONGITUDE: 295401.63N/0931236.20W **TYPE:** WP

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

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	SOTLE					244.74	5.00				17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LAKE CHARLES REGIONAL - RNAV (GPS) RWY 33.			KLCH	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/07/2005

REASON FOR REVISION:
UPDATED COORDINATES.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH ATCT
OTHER: LCH APP CON

QUALITY CHECKED