

<b>RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33</b>						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											MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE			ALTITUDE		<b>RNP: DA</b>  CLIMB TO 3000 ON TRACK 120.72 TO GUNEY, RIGHT TURN TO LUVCI, AND ON TRACK 182.55 TO ALBAS AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, LT, 352.00 INBOUND. DISTANCE TO THLD FROM 361 HAT: 0.99 NM. CHART MANDATORY 3000 AT BREKE. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH 99.8 MSL (DO NOT CHART)						
BREKE (IF)		JUXAT (TF) (FB) (RNP 1.00)		330.29 / 3.30			2500								
JUXAT		WRYAN (RF) (FB) (RNP 1.00)		(2.04 NM RADIUS CW (CFVCC))/3.14			1500								
WRYAN (FAF)		*TIDOY (RF) (FB)		(2.04 NM RADIUS CW (CFVCC))/2.22											
TIDOY		*RW12 (MAP) (TF) (FO)		120.70 / 2.18											
RW12 (MAP)		GUNEY (TF) (FB) (RNP 1.00)		120.72 / 5.84											
GUNEY		LUVCI (RF) (FB) (RNP 1.00)		(4.81 NM RADIUS CW (CFVKB)) / 5.18											
LUVCI		ALBAS (TF) (FO) (RNP 1.00)		182.55 / 4.72			3000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. <b>PROFILE STARTS AT BREKE</b> 3. FAC: _____ * _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: <b>BREKE 3000, JUXAT 2500, WRYAN 1500</b> 5. DIST TO THLD FROM OM: <b>4.40</b> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <b>1500</b> GS ALT AT: <b>WRYAN 1500 TIDOY 794</b> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <b>3.00</b> TCH: <b>47.0#</b> <b>34:1 IS CLEAR</b> 8. MSA FROM: <b>RW12 7700</b>															
										MAG VAR: <b>14E</b> EPOCH YEAR: <b>1980</b>					
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
AUTHORIZATION REQUIRED															
RNP 0.15 DA	414	1 1/4	361	414	1 1/4	361	414	1 1/4	361	414	1 1/4	361			
RNP 0.30 DA	485	1 1/2	432	485	1 1/2	432	485	1 1/2	432	485	1 1/2	432			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 4C (40F) OR ABOVE 54C (130F). @ NA WHEN CONTROL TOWER CLOSED. CHART NOTE: RF REQUIRED. CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 60 TDZE: 53		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4					
LONG BEACH, CA		AIRPORT NAME:		RNAV		RNAV (RNP) RWY 12, AMDT 2				AMDT: 1B					
		LONG BEACH /DAUGHERTY FIELD/				10 NOVEMBER 2016				DATED 10/15/2015					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV (RNP) - STANDARD,  
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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NOTES, (CONT.):

CHART SPEED ICON IN PLANVIEW AT JUXAT : MAX 200 KIAS.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CITY AND STATE

LONG BEACH, CA

ELEVATION: 60

TDZE: 53

AIRPORT NAME:

LONG BEACH /DAUGHERTY FIELD/

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (RNP) RWY 12, AMDT 2

10 NOVEMBER 2016

SUP:

AMDT:

DATED:

QUALITY

4

CHECKED

15

10/15/2015

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33**

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ARINC SUMMARY - KLGB

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
	010	BREKE	IF	FB						RW12		AT 03000		E I
	011	JUXAT	TF	FB	1.0							AA 02500	AB 200	E
	020	WRYAN	RF	FB	1.0				R	CFVCC	02.04	AA 01500		E F
	021	TIDOY	RF	FB	0.3			3.00	R	CFVCC	02.04			E
	030	RW12	TF	FO	0.3			3.00				AT 00100		GY M
	040	GUNEY	TF	FB	1.0									E M
	050	LUVCI	RF	FB	1.0				R	CFVKB	04.81			E
	060	ALBAS	TF	FO	1.0							AA 03000		EY
	070	ALBAS	HM	FO		352.0			L			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ALBAS	N333558.68	W1180440.16
BREKE	N334546.07	W1181422.11
CFVCC	N334930.07	W1181305.09
CFVKB	N334152.63	W1180835.20
GUNEY	N334517.94	W1180431.65
JUXAT	N334856.90	W1181526.41
LUVCI	N334030.41	W1180303.68
TIDOY	N335057.18	W1181121.82
WRYAN	N335126.88	W1181349.45

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW12	N334924.93	W1180930.15	00053	47.0

QUALITY  
15  
CHECKED

CITY AND STATE <b>LONG BEACH, CA</b>	ELEVATION: <b>60</b> <b>TDZE: 53</b> AIRPORT NAME: <b>LONG BEACH /DAUGHERTY FIELD/</b>	FACILITY IDENTIFIER:  <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (RNP) RWY 12, AMDT 2</b>  10 NOVEMBER 2016	SUP:
				AMDT: <b>1B</b>
				DATED: <b>10/15/2015</b>