

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KLGA	<u>PROCEDURE NAME</u> RNAV (GPS) X RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> NEW YORK	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 21	<u>TDZE</u> 7	<u>SUPERSEDED</u> RNAV (GPS) X RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 03/24/2022	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GGREG	IAF	ZARID		TF	FB	1.00	228.11	10.77	4000
ZARID		VADDR		TF	FB	1.00	317.12	5.81	4000
VADDR		JACIE		TF	FB	1.00	276.38	7.62	4000
JACIE		NECOL		TF	FB	1.00	217.91	14.65	4000
NECOL		VARAZ		TF	FB	1.00	127.89	4.35	4000
VARAZ	IAF	PACHU		TF	FB	1.00	044.00	9.97	3000
PACHU	IF	SHAYY		TF	FB	1.00	045.33	2.58	2500
SHAYY		GACAR		TF	FB	1.00	059.12	2.00	2200
GACAR	FAF	@DRRYL	MAP	TF	FB	0.30	089.09	3.11	
\$DRRYL	MAP	@KEYTH		TF	FB	0.30	044.14	1.06	
KEYTH		@DCTRK		TF	FB	0.30	359.14	1.06	
DCTRK		@RW31		TF	FO	0.30	314.15	1.08	
RW31		421 MSL		CA			314.15		
421 MSL		GREKO		DF	FO	1.00			2000



MISSED APPROACH

MAP:

LNAV: DRRYL

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 165 KIAS UNTIL RWY 31 THEN DO NOT EXCEED 210 KIAS UNTIL GREKO) CLIMB TO 2000 ON FMS LATERAL PATH TO RW31, THEN CLIMBING RIGHT TURN DIRECT GREKO AND HOLD. IF UNABLE TO FOLLOW THE FMS LATERAL PATH, TURN LEFT HEADING 024.64 AND CLIMB TO 2000 DIRECT GREKO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT PACHU					
3.FAC: @	FAF: GACAR	DIST FAF TO MAP: 3.11	DIST FAF TO THLD: 6.31		
4. MIN ALT:	PACHU 3000, SHAYY 2500, GACAR 2200				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF :	OM:	MM:	IM:	
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:		
8. MSA FROM:	RW31 2900				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.
EQUIPMENT REQUIREMENT NOTE: RADAR REQUIRED.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: TURNS REQUIRED IN THE VISUAL SEGMENT.
 CHART PLANVIEW NOTE: CROSS DRRYL, FLY VISUAL TO AIRPORT ALONG DEPICTED TRACK 044 TO KEYTH THEN 359 TO DCTRK, THEN 314 TO RWY 31.
 CHART SPEED ICON IN PLANVIEW AT GGREG: MAX 240 KIAS.
 CHART SPEED ICON IN PLANVIEW AT NECOL: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT VARAZ: MAX 200 KIAS.
 CHART SPEED ICON IN PLANVIEW AT SHAYY: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE: * CHECK ALT
 CHART GP ALT AT FAF IN PROFILE: GACAR 2200, *DRRYL 1142, *KEYTH 782, *DCTRK 422
 \$THIS MAY RESULT IN THE NEED TO LABEL RW31 AS THE MAP FOR PACKING PURPOSES (DO NOT CHART).
 HOLD NE, LT, 223.00 INBOUND.
 CHART FAS OBST: 380 BUILDING (36-002382) 404342N/0735104W.
 CHART 376 BUILDING 404533N/0735125W, 344 BUILDING 404513N/0734925W.
 CHART 385 BLDG_TWR 404418N/0735553W.
 CHART MANDATORY 4000 AT GGREG.
 GACAR TO RW31: 3.20/50.



MINIMUMS:

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

ALTERNATE: NA CAT A-D 1200-4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1160	4	1153	1160	4	1153	1160	4	1153	1160	4	1153			

CHANGES - REASONS

1. REMOVED INTERMEDIATE STEPDOWN AT BENNG - ATC REQUEST: CONFUSING DUE TO FIX USED ON NUMEROUS PROCEDURES TO DIFFERENT RUNWAYS. STEPDOWN NOT DRIVEN BY OBSTACLE OR AIRSPACE.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** LGA ATCT, N90, AMGR

FLIGHT CHECKED BY

JEREMY R VIRTS

Digitally signed by

ERIC N SUSKI

Jan 11, 2023

OFFICE

FPO

DATE

12/01/2022

DEVELOPED BY

KELLY DEAN

Digitally signed by

KELLY D DEAN

Nov 03, 2022

OFFICE

AJV-A431

DATE

10/21/2022

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Nov 16, 2022

OFFICE

AJV-A431

DATE

TITLE
MANAGER

