

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								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 600, THEN CLIMBING RIGHT TURN TO 3000 DIRECT PWL VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 309.34 INBOUND. FAS OBST: 559 AAO 415724N/0735537W WAAS CHANNEL # 82336 REFERENCE PATH ID: W33A CHART CIRCLING ICON. LTP HAE: 9.7 M									
PWL VOR/DME (IAF)		ITLLE (FB)		309.34 / 10.49		2900											
ITLLE (IF)		BFINE (FB)		333.23 / 3.48		2900											
BFINE (FAF)		ZUNLI/3.70 NM TO RW33 (FB)		333.20 / 3.39													
ZUNLI/3.70 NM TO RW33		RW33 (MAP) (FO)		333.20 / 3.70													
RW33 (MAP)		600 MSL		333.20		600											
600 MSL		PWL VOR/DME (FO)				3000											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)																	
2. PROFILE STARTS AT ITLLE																	
3. FAC: <u>333.20</u> FAF: <u>BFINE</u> DIST FAF TO MAP: <u>7.09</u> THLD: <u>7.09</u>																	
4. MIN. ALT: ITLLE 2900, BFINE 2900, ZUNLI/3.70 NM TO RW33 1600*																	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>																	
6. MIN GS INCPT: <u>2900</u> GS ALT AT: <u>BFINE 2900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>																	
7. GS ANGLE: <u>3.59</u> TCH: <u>60.0</u> 34:1 IS NOT CLEAR																	
8. MSA FROM: RW33 5400																	
MAG VAR: 13W EPOCH YEAR: 1985																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/>									
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	499	1	352	499	1	352		NA			NA						
LNAV/VNAV DA	636	1 3/8	489	636	1 3/8	489		NA			NA						
LNAV MDA	880	1	733	880	1 1/4	733		NA			NA						
CIRCLING	800	1	653	960	1 1/4	813		NA			NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PWL VOR/DME AIRWAY RADIALS 250 CW 354. *LNAV ONLY CHART NOTE: USE HUDSON ALTIMETER SETTING. WHEN NOT RECEIVED, USE NEWBURGH ALTIMETER SETTING AND (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 147 TDZE: 147				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
KINGSTON, NY				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 33, AMDT 1				AMDT: ORIG	
				KINGSTON-ULSTER								25 JUNE 2015				DATED 01/10/2013	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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NOTES, (CONT.):

INCREASE ALL MDA 60 FEET.

CHART NOTE: BARO-VNAV NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: NIGHT LANDING RWY 15 NA, RWY 33 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI

GLIDEPATH UNTIL THRESHOLD.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER 20N
RUNWAY RW33
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A
LTP/FTP LATITUDE 415857.4865N
LTP/FTP LONGITUDE 0735741.0160W
LTP/FTP ELLIPSOIDAL HEIGHT +00097
FPAP LATITUDE 420005.8930N
FPAP LONGITUDE 0735857.6235W
THRESHOLD CROSSING HEIGHT (TCH) 00060.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.59
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1904
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

3CDB14AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00413
FPAP ORTHOMETRIC HEIGHT +00413

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	PWL	K6011430VDLW	N41461118W073360199	N41461118W073360199W0120012501	NARPAWLING								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	BFINE	K60	W	N41533062W073513581		W0134	NAR		BFINE				
SUSAEENRT	ITLLE	K60	W	N41504999W073483684		W0134	NAR		ITLLE				
SUSAEENRT	ZUNLI	K60	W	N41560699W073543034		W0134	NAR		ZUNLI				

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 20N	K6A20N	0	031YHN41590690W073575160W013000147	1800018000C	MNAR	KINGSTON-ULSTER							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 20N	K6FR33	APWL	010PWL	K6D 0V	A	IF				18000		A	JS
SUSAP 20N	K6FR33	APWL	020ITLLEK6EA0EE	B	010TF		30930105	+	02900			A	JS
SUSAP 20N	K6FR33	R	010ITLLEK6EA0E	I	IF			+	02900	18000		A	JS
SUSAP 20N	K6FR33	R	020BFINEK6EA1E	F	051TF		33320035	+	02900		RW33	K6PGA	JS
SUSAP 20N	K6FR33	R	020BFINEK6EA2WALPV			ALNAV/VNAV						JS	
SUSAP 20N	K6FR33	R	021ZUNLIK6EA0E	S	031TF		33320034	V	0160001607		-359	A	JS
SUSAP 20N	K6FR33	R	030RW33	K6PG0GY	M	031TF	33320037		00196		-359	A	JS
SUSAP 20N	K6FR33	R	040		0	M	3332	+	00600			A	JS
SUSAP 20N	K6FR33	R	050PWL	K6D 0VY	R	DF		+	03000			A	JS
SUSAP 20N	K6FR33	R	060PWL	K6D 0VE	R	HM	30930040	+	03000			A	JS

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 20N	K6GRW33	0031003331	N41585749W073574102+0400	+0009700136030960060R									

PP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 20N	K6PR33	RW33	001	0000W33A0N4158574865W07357410160+000970359N4200058930W07358576235106751904000600F4005003CDB14AC									
SUSAP 20N	K6PR33	RW33	002E	+00413+00413LPV	82336								

MSA	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

CITY AND STATE
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SUSAP 20N K6SRW33 K6PG

0 18018005425

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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
	PWL	PWL	010	IAF	IF		FB					
	PWL	ITTL	020		TF		FB	1.0	309.3 (296.3T)	010.5	AA 02900	
		ITTL	010	FACF	IF		FB				AA 02900	
		BFINE	020	PAF	TF		FB	0.5	333.2 (320.2T)	003.5	AA 02900	
		ZUNLI	021	SDF	TF		FB	0.3	333.2 (320.2T)	003.4	AA 01600 GS 01607	
		RW33	030	MAP	TF		FO	0.3	333.2 (320.2T)	003.7	AT 00196	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		333.2 (320.2T)		AA 00600	
	PWL	050		DF	R	FO				AA 03000	
	PWL	060		HM	R	FO		309.3 (296.3T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PWL	N414611.18	W0733601.99	N4146.186	W07336.033
	BFINE	N415330.62	W0735135.81	N4153.510	W07351.597
	ITTL	N415049.99	W0734836.84	N4150.833	W07348.614
	ZUNLI	N415606.99	W0735430.34	N4156.117	W07354.506
	RW33	N415857.49	W0735741.02	N4158.958	W07357.684

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW33	00136		60

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