U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	**THREE**	**STBNZ3.STBNZ**	**TWO**	**23 SEP 2010**	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13: CLIMB HEADING 134.13 TO INTERCEPT COURSE 049.96 TO CROSS JUTES AT OR ABOVE 3000 (ATC)/1500, THEN ON TRACK 040.27 TO CROSS TNNIS AT OR ABOVE 6000 (ATC)/4000, THEN ON TRACK 311.68 TO CROSS STBNZ 7000 BLOCK 15000 (ATC), THENCE...

...MAINTAIN 7000 OR AS ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (10) MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
BIGGY	STBNZ3.BIGGY	STBNZ	THEEO	TRACK 260.45	14.28	7000	2000	9000 B 15000 (ATC)
		THEEO	JBLOG	TRACK 260.31	6.21	7000	2100	11000 B 17000 (ATC)
		JBLOG	BIGGY	TRACK 247.62	40.93	14000	2000	
COATE	STBNZ3.COATE	STBNZ	GRYDE	TRACK 307.77	18.22	7000	2200	
		GRYDE	COATE	TRACK 292.48	23.81	14000	2700	
ELIOT	STBNZ3.ELIOT	STBNZ	EMRSN	TRACK 276.83	15.19	7000	2100	9000 B 15000 (ATC)
		EMRSN	BMACK	TRACK 276.66	5.26	7000	2100	11000 B 17000 (ATC)
		BMACK	ELIOT	TRACK 275.03	39.70	14000	2600	
GAYEL	STBNZ3.GAYEL	STBNZ	GRYDE	TRACK 307.77	18.22	7000	2200	
		GRYDE	GAYEL	TRACK 350.54	22.02	14000	3600	
HAAYS	STBNZ3.HAAYS	STBNZ	GRYDE	TRACK 307.77	18.22	7000	2200	
		GRYDE	HAAYS	TRACK 331.57	20.11	14000	2900	
LANNA	STBNZ3.LANNA	STBNZ	THEEO	TRACK 260.45	14.28	7000	2000	9000 B 15000 (ATC)
		THEEO	JBLOG	TRACK 260.31	6.21	7000	2100	11000 B 17000 (ATC)
		JBLOG	LANNA	TRACK 259.93	39.09	14000	2200	
NEION	STBNZ3.NEION	STBNZ	GRYDE	TRACK 307.77	18.22	7000	2200	
		GRYDE	NEION	TRACK 310.33	20.68	14000	2900	

GRAPHIC DEPARTURE PROCEDURE (DP)

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STBNZ	**THREE**	**STBNZ3.STBNZ**	**TWO**	**23 SEP 2010**	

PARKE	STBNZ3.PARKE	STBNZ	EMRSN	TRACK 276.83	15.19	7000	2100	9000 B 15000 (ATC)
		EMRSN	BMACK	TRACK 276.66	5.26	7000	2100	11000 B 17000 (ATC)
		BMACK	PARKE	TRACK 262.72	39.24	14000	2500	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: FOR TURBOJETS ONLY.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
NOTE: RNAV 1.
NOTE: WHITE, WAVEY, SHIPP, DIXIE DEPARTURES CAN EXPECT RADAR VECTORS AFTER PASSING STBNZ.
NOTE: AIRCRAFT RECEIVING TOWER-ENROUTE CLEARANCE EXPECT VECTORS ON COURSE AFTER TNNIS.
NOTE: STRICT COMPLIANCE TO TRACK AND ALTITUDE RESTRICTIONS WILL ENSURE SEPARATION FROM JFK OPERATIONS. AIRCRAFT PERFORMANCE MAY REQUIRE REDUCED AIRSPEED TO COMPLY WITH ALTITUDE RESTRICTIONS. IF UNABLE TO COMPLY WITH CLIMB GRADIENTS, NOTIFY ATC ON INITIAL CONTACT.
NOTE: DO NOT EXCEED 220 KIAS UNTIL PASSING JUTES (ATC).
NOTE: DO NOT EXCEED 230 KIAS UNTIL PASSING TNNIS (ATC).
TAKEOFF MINIMUMS:
RWY 4, 22, 31, NA-ATC.
RWY 13, STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 4000. ATC CLIMB OF 496 FT PER NM TO 6000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 13, LOCALIZER 392 FT FROM DER, ON CENTERLINE, 10 FT AGL/19 FT MSL. STACK, BUILDINGS, AND FENCES BEGINNING 97 FT FROM DER, 171 FT LEFT OF CENTERLINE, UP TO 83 FT AGL/103 FT MSL. FENCE, BUILDING, AND TREES BEGINNING 28 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/22 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 181 FT MSL STACK 404606.19N/0735020.83W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KLGA 12W EPOCH YEAR: 80. DME/DME ASSESSMENT: SAT (RNP 2.0).
CHART NOTE: DO NOT EXCEED 250 KIAS UNTIL REACHING 11000 MSL.
CHART CROSSING RESTRICTIONS: JUTES AT OR ABOVE 3000 (ATC)/1500; TNNIS AT OR ABOVE 6000 (ATC)/4000; STBNZ 7000 BLOCK 15000 (ATC); EMRSN 9000 B 15000 (ATC); BMACK 11000 B 17000 (ATC); THEEO 9000 B 15000 (ATC); JBLOG 11000 B 17000 (ATC).
CHART: JOHN F. KENNEDY INTL AIRPORT (KJFK)

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	**THREE**	**STBNZ3.STBNZ**	**TWO**	**23 SEP 2010**	

AIRPORTS SERVED:

NEW YORK/LA GUARDIA, NEW YORK, NY

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL

FIXES AND/OR NAVAIDS:

WHITE, WAVEY, SHIPP, DIXIE.

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	**THREE**	**STBNZ3.STBNZ**	**TWO**	**23 SEP 2010**	

REMARKS:

MINIMUM CLIMB GRADIENT OF 330 FT PER NM TO 4000 ESTABLISHED TO ENSURE MINIMUM DME/DME RECEPTION OF 1500 AT JUTES AND 4000 AT TNNIS.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

PETER GUIMOND AJW-3752 09/09/2010

APPROVED BY:

GEORGE E. DAVIS AJW-3752

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZNY, N90, LGA ATCT, ARPT MGR

CHANGES:

1. JUTES MOVED 0.94 NM SOUTHWEST. TNNIS MOVED 0.50 NM NORTHWEST. ALL COURSES AND DISTANCES UPDATED TO REFLECT NEW FIX POSITIONS.
2. CROSSING RESTRICTION AT JUTES INCREASED FROM AT OR ABOVE 2500 TO AT OR ABOVE 3000 (ATC)/1500.
3. CROSSING RESTRICTION AT TNNIS INCREASED FROM AT OR ABOVE 5000 TO AT OR ABOVE 6000 (ATC)/4000. DO NOT EXCEED 230 KIAS RESTRICTION ADDED AT TNNIS.
4. STBNZ ALTITUDE RESTRICTION AMENDED FROM 7000 BLOCK 12000 TO 7000 BLOCK 15000 (ATC). 11000 BLOCK 17000 (ATC) BLOCK ALTITUDE RESTRICTION ADDED AT BMACK.
5. BIGGY TRANSITION AMENDED FROM STBNZ-MUNNZ-BIGGY TO STBNZ-THEEO-JBLOG-BIGGY. BLOCK ALTITUDE RESTRICTIONS ADDED AT THEEO AND JBLOG.
6. LANNA TRANSITION AMENDED FROM STBNZ-MUNNZ-LANNA TO STBNZ-THEEO-JBLOG-LANNA. BLOCK ALTITUDE RESTRICTIONS ADDED AT THEEO AND JBLOG.
7. PARKE TRANSITION AMENDED FROM STBNZ-BMACK-PARKE TO STBNZ-EMRSN-BMACK-PARKE. BLOCK ALTITUDE RESTRICTIONS ADDED AT EMRSN AND BMACK.
8. ELIOT TRANSITION AMENDED FROM STBNZ-BMACK-ELIOT TO STBNZ-EMRSN-BMACK-ELIOT. BLOCK ALTITUDE RESTRICTIONS ADDED AT EMRSN AND BMACK.
9. AIRCRAFT RECEIVING TOWER-ENROUTE CLEARANCE EXPECT VECTORS ON COURSE AFTER TNNIS NOTE ADDED.
10. IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT NOTE CHANGED TO READ STRICT COMPLIANCE TO TRACK AND ALTITUDE RESTRICTIONS WILL ENSURE SEPARATION FROM JFK OPERATIONS. AIRCRAFT PERFORMANCE MAY REQUIRE REDUCED AIRSPEED TO COMPLY WITH ALTITUDE RESTRICTIONS. IF UNABLE TO COMPLY WITH CLIMB GRADIENTS, NOTIFY ATC ON INITIAL CONTACT.
11. CHART JOHN F. KENNEDY INTL AIRPORT ADDED TO ADDITIONAL FLIGHT DATA BLOCK.
12. RWY 13 TAKEOFF MINIMUMS AMENDED FROM STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 540, ATC CLIMB OF 441 FT PER NM TO 5000 TO READ STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 4000. ATC CLIMB OF 496 FT PER NM TO 6000.
13. RWY 13 TAKEOFF OBSTACLE NOTES AMENDED.

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	**THREE**	**STBNZ3.STBNZ**	**TWO**	**23 SEP 2010**	

REASONS:

1. FIXES MOVED PER ATC REQUEST. COURSES/DISTANCES COMPUTED FROM NEW FIX LOCATIONS.
2. ALTITUDE CHANGES REQUESTED BY ATC. ATC CROSSING RESTRICTIONS FORMATTED IAW FAAO 8260.46.
3. ALTITUDE CHANGES REQUESTED BY ATC. ATC CROSSING RESTRICTIONS FORMATTED IAW FAAO 8260.46.
4. ATC REQUEST.
5. ATC REQUEST.
6. ATC REQUEST.
7. ATC REQUEST.
8. ATC REQUEST.
9. ATC REQUEST.
10. ATC REQUEST.
11. ATC REQUEST.
12. COMPUTED FROM NEW ATC CROSSING RESTRICTIONS AND MINIMUM DME/DME RECEPTION ALTITUDES.
13. NEW OBSTACLE STUDY

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	THREE	STBNZ3.STBNZ	TWO	23 SEP 2010	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW13 (AER)	404656.27N/0735242.68W	N	-	-	-	-			
	404455.10N/0734829.13W	-	-	VI	122.13	3.79			CG 496 FT PER NM TO 6000.
JUTES	404737.22N/0734542.66W	Y	FB	CF	037.96	3.43	AT/ABOVE 3000	AT/BELOW 220K	
TNNIS	405257.02N/0734155.99W	Y	FB	TF	028.27	6.05	AT/ABOVE 6000	AT/BELOW 230K	
STBNZ	405601.02N/0734902.25W	Y	FB	TF	299.68	6.20	7000 B 15000		
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.BIGGY
THEEO	405044.93N/0740631.96W	Y	FB	TF	248.45	14.28	9000 B 15000		
JBLOG	404826.83N/0741407.97W	Y	FB	TF	248.31	6.21	11000 B 17000		
BIGGY	402510.76N/0745821.57W	Y	FB	TF	235.62	40.93			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.COATE
GRYDE	410354.54N/0741043.47W	Y	FB	TF	295.77	18.22			
COATE	410810.42N/0744142.60W	Y	FB	TF	280.48	23.81			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.ELIOT
EMRSN	405437.14N/0740859.60W	Y	FB	TF	264.83	15.19	9000 B 15000		
BMACK	405407.56N/0741554.03W	Y	FB	TF	264.66	5.26	11000 B 17000		
ELIOT	404906.65N/0750748.43W	Y	FB	TF	263.03	39.70			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.GAYEL
GRYDE	410354.54N/0741043.47W	Y	FB	TF	295.77	18.22			
GAYEL	412424.04N/0742125.75W	Y	FB	TF	338.54	22.02			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.HAAYS
GRYDE	410354.54N/0741043.47W	Y	FB	TF	295.77	18.22			
HAAYS	411912.02N/0742801.85W	Y	FB	TF	319.57	20.11			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.LANNA
THEEO	405044.93N/0740631.96W	Y	FB	TF	248.45	14.28	9000 B 15000		
JBLOG	404826.83N/0741407.97W	Y	FB	TF	248.31	6.21	11000 B 17000		
LANNA	403335.07N/0750139.81W	Y	FB	TF	247.93	39.09			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ	THREE	STBNZ3.STBNZ	TWO	23 SEP 2010	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.NEION
GRYDE	410354.54N/0741043.47W	Y	FB	TF	295.77	18.22			
NEION	411341.21N/0743450.78W	Y	FB	TF	298.33	20.68			
STBNZ	405601.02N/0734902.25W	Y	-	IF	-	-			STBNZ3.PARKE
EMRSN	405437.14N/0740859.60W	Y	FB	TF	264.83	15.19	9000 B 15000		
BMACK	405407.56N/0741554.03W	Y	FB	TF	264.66	5.26	11000 B 17000		
PARKE	404059.46N/0750435.32W	Y	FB	TF	250.72	39.24			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ RNAV	THREE	STBNZ3.	TWO	09/23/2010	

ARINC PACKET - 424-18 - SID

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        LGA   K6011310VDL  N40470138W073520696    N40470138W073520696W0120000091     NARLA GUARDIA

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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BIGGY K60    C   B N40251076W074582157                    W0125    NAR          BIGGY
        SUSAEAENRT   BMACK K60    W     N40540756W074155403                    W0130    NAR          BMACK
        SUSAEAENRT   COATE K60    C   B N41081042W074414260                    W0128    NAR          COATE
        SUSAEAENRT   ELIOT K60    C   B N40490665W075074843                    W0125    NAR          ELIOT
        SUSAEAENRT   EMRSN K60    W     N40543714W074085960                    W0131    NAR          EMRSN
        SUSAEAENRT   GAYEL K60    C   B N41242404W074212575                    W0131    NAR          GAYEL
        SUSAEAENRT   GRYDE K60    W     N41035454W074104347                    W0131    NAR          GRYDE
        SUSAEAENRT   HAAYS K60    C   L N41191202W074280185                    W0130    NAR          HAAYS
        SUSAEAENRT   JBLOG K60    W     N40482683W074140797                    W0130    NAR          JBLOG
        SUSAEAENRT   JUTES K60    W     N40473722W073454266                    W0133    NAR          JUTES
        SUSAEAENRT   LANNA K60    C   B N40333507W075013981                    W0125    NAR          LANNA
        SUSAEAENRT   NEION K60    C   B N41134121W074345078                    W0129    NAR          NEION
        SUSAEAENRT   PARKE K60    C   B N40405946W075043532                    W0125    NAR          PARKE
        SUSAEAENRT   STBNZ K60    W     N40560102W073490225                    W0133    NAR          STBNZ
        SUSAEAENRT   THEEO K60    W     N40504493W074063196                    W0131    NAR          THEEO
        SUSAEAENRT   TNNIS K60    W     N40525702W073415599                    W0133    NAR          TNNIS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KLGAK6ALGA     0     070YHN40463810W073522140W012000021        1800018000C    MNAR    LA GUARDIA

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KLGAK6DSTBNZ35RW13  020JUTESK6EA0E    010CF LGA K6      0950004905000034D   +A03000          220              -
        SUSAP KLGAK6DSTBNZ35RW13  030TNNISK6EA0E    010TF                 04030061    +A06000          230              -
        SUSAP KLGAK6DSTBNZ35RW13  040STBNZK6EA0EE   010TF                 31170062    BA1500007000
        SUSAP KLGAK6DSTBNZ36BIGGY 010STBNZK6EA0E    010IF                             BA150000700018000
        SUSAP KLGAK6DSTBNZ36BIGGY 020THEEOK6EA0E    010TF                 26050143    BA1500009000
        SUSAP KLGAK6DSTBNZ36BIGGY 030JBLOGK6EA0E    010TF                 26030062    BA1700011000
        SUSAP KLGAK6DSTBNZ36BIGGY 040BIGGYK6EA0EE   010TF                 24760409
        SUSAP KLGAK6DSTBNZ36COATE 010STBNZK6EA0E    010IF                             BA150000700018000
        SUSAP KLGAK6DSTBNZ36COATE 020GRYDEK6EA0E    010TF                 30780182
        SUSAP KLGAK6DSTBNZ36COATE 030COATEK6EA0EE   010TF                 29250238
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QUALITY 4 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ RNAV	THREE	STBNZ3.	TWO	09/23/2010	

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SUSAP KLGAK6DSTBNZ36ELIOT 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36ELIOT 020EMRSNK6EA0E    010TF                27680152  BA1500009000
SUSAP KLGAK6DSTBNZ36ELIOT 030BMACKK6EA0E    010TF                27670053  BA1700011000
SUSAP KLGAK6DSTBNZ36ELIOT 040ELIOTK6EA0EE   010TF                27500397
SUSAP KLGAK6DSTBNZ36GAYEL 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36GAYEL 020GRYDEK6EA0E    010TF                30780182
SUSAP KLGAK6DSTBNZ36GAYEL 030GAYELK6EA0EE   010TF                35050220
SUSAP KLGAK6DSTBNZ36HAAYS 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36HAAYS 020GRYDEK6EA0E    010TF                30780182
SUSAP KLGAK6DSTBNZ36HAAYS 030HAAYSK6EA0EE   010TF                33160201
SUSAP KLGAK6DSTBNZ36LANNA 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36LANNA 020THEEOK6EA0E    010TF                26050143  BA1500009000
SUSAP KLGAK6DSTBNZ36LANNA 030JBLOGK6EA0E    010TF                26030062  BA1700011000
SUSAP KLGAK6DSTBNZ36LANNA 040LANNAK6EA0EE   010TF                25990391
SUSAP KLGAK6DSTBNZ36NEION 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36NEION 020GRYDEK6EA0E    010TF                30780182
SUSAP KLGAK6DSTBNZ36NEION 030NEIONK6EA0EE   010TF                31030207
SUSAP KLGAK6DSTBNZ36PARKE 010STBNZK6EA0E    010IF                          BA150000700018000
SUSAP KLGAK6DSTBNZ36PARKE 020EMRSNK6EA0E    010TF                27680152  BA1500009000
SUSAP KLGAK6DSTBNZ36PARKE 030BMACKK6EA0E    010TF                27670053  BA1700011000
SUSAP KLGAK6DSTBNZ36PARKE 040PARKEK6EA0EE   010TF                26270392

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KLGAK6GRW13    0070031341 N40465627W073524268-0100    -0027900012000049150IIGDI1
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ RNAV	THREE	STBNZ3.	TWO	09/23/2010	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW13		010		VI		FB		134.1()			
	RW13	JUTES	020		CF		FB	1.0	050.0()	003.4	AA 03000	AB 220
	RW13	TNNIS	030		TF		FB	1.0	040.3()	006.1	AA 06000	AB 230
	RW13	STBNZ	040		TF		FB	1.0	311.7()	006.2	BT 1500007000	
	BIGGY	STBNZ	010		IF		FB	1.0			BT 1500007000	
	BIGGY	THEEO	020		TF		FB	1.0	260.5()	014.3	BT 1500009000	
	BIGGY	JBLOG	030		TF		FB	1.0	260.3()	006.2	BT 1700011000	
	BIGGY	BIGGY	040		TF		FB	1.0	247.6()	040.9		
	COATE	STBNZ	010		IF		FB	1.0			BT 1500007000	
	COATE	GRYDE	020		TF		FB	1.0	307.8()	018.2		
	COATE	COATE	030		TF		FB	1.0	292.5()	023.8		
	ELIOT	STBNZ	010		IF		FB	1.0			BT 1500007000	
	ELIOT	EMRSN	020		TF		FB	1.0	276.8()	015.2	BT 1500009000	
	ELIOT	BMACK	030		TF		FB	1.0	276.7()	005.3	BT 1700011000	
	ELIOT	ELIOT	040		TF		FB	1.0	275.0()	039.7		
	GAYEL	STBNZ	010		IF		FB	1.0			BT 1500007000	
	GAYEL	GRYDE	020		TF		FB	1.0	307.8()	018.2		
	GAYEL	GAYEL	030		TF		FB	1.0	350.5()	022.0		
	HAAYS	STBNZ	010		IF		FB	1.0			BT 1500007000	
	HAAYS	GRYDE	020		TF		FB	1.0	307.8()	018.2		
	HAAYS	HAAYS	030		TF		FB	1.0	331.6()	020.1		
	LANNA	STBNZ	010		IF		FB	1.0			BT 1500007000	
	LANNA	THEEO	020		TF		FB	1.0	260.5()	014.3	BT 1500009000	
	LANNA	JBLOG	030		TF		FB	1.0	260.3()	006.2	BT 1700011000	
	LANNA	LANNA	040		TF		FB	1.0	259.9()	039.1		
	NEION	STBNZ	010		IF		FB	1.0			BT 1500007000	
	NEION	GRYDE	020		TF		FB	1.0	307.8()	018.2		
	NEION	NEION	030		TF		FB	1.0	310.3()	020.7		
	PARKE	STBNZ	010		IF		FB	1.0			BT 1500007000	
	PARKE	EMRSN	020		TF		FB	1.0	276.8()	015.2	BT 1500009000	
	PARKE	BMACK	030		TF		FB	1.0	276.7()	005.3	BT 1700011000	
	PARKE	PARKE	040		TF		FB	1.0	262.7()	039.2		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LGA	N404701.38	W0735206.96	N4047.023	W07352.116
	BIGGY	N402510.76	W0745821.57	N4025.179	W07458.360
	BMACK	N405407.56	W0741554.03	N4054.126	W07415.901
	COATE	N410810.42	W0744142.60	N4108.174	W07441.710
	ELIOT	N404906.65	W0750748.43	N4049.111	W07507.807
	EMRSN	N405437.14	W0740859.60	N4054.619	W07408.993
	GAYEL	N412424.04	W0742125.75	N4124.401	W07421.429

QUALITY 4 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
STBNZ RNAV	THREE	STBNZ3.	TWO	09/23/2010	

GRYDE	N410354.54	W0741043.47	N4103.909	W07410.725
HAAYS	N411912.02	W0742801.85	N4119.200	W07428.031
JBLOG	N404826.83	W0741407.97	N4048.447	W07414.133
JUTES	N404737.22	W0734542.66	N4047.620	W07345.711
LANNA	N403335.07	W0750139.81	N4033.585	W07501.664
NEION	N411341.21	W0743450.78	N4113.687	W07434.846
PARKE	N404059.46	W0750435.32	N4040.991	W07504.589
STBNZ	N405601.02	W0734902.25	N4056.017	W07349.038
THEEO	N405044.93	W0740631.96	N4050.749	W07406.533
TNNIS	N405257.02	W0734155.99	N4052.950	W07341.933
RW13	N404656.27	W0735242.68	N4046.938	W07352.711

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW13	00012	49

RADIO FIX AND HOLDING DATA RECORD

NAME: EMRSN **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 405437.14N/0740859.60W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/07/2010

DEVELOPED BY: **DATE:** 09/07/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HAAYS **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 411912.02N/0742801.85W **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	HUGUENOT	HUO	VOR/DME	H	144.69	133.69	7.78	7.78		3000	17500
2	STILLWATER	STW	VOR/DME	L	054.00	043.00	26.64	26.64		3000	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	ISLIP	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	V273	1, 2				(US)
IAP	RNAV (GPS) RWY 3			KMGJ	MONTGOMERY	NY (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/09/2010

REASON FOR REVISION:
1. STAR REMOVED FROM REQUIRED CHARTING.
2. FIX USE UPDATED.

DEVELOPED BY: **DATE:** 09/09/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JBLOG **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 404826.83N/0741407.97W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/13/2010

DEVELOPED BY: **DATE:** 09/13/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JUTES **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 404737.22N/0734542.66W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/04/2010

REASON FOR REVISION:
FIX MOVED 0.94 NM SOUTHWEST.

DEVELOPED BY: **DATE:** 09/04/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LANNA **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 403335.07N/0750139.81W **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	POTTSTOWN	PTW	VORTAC	L	059.18	050.18		31.71		5000	45000
2	SOLBERG	SBJ	VOR/DME	L	273.99	263.99	13.15	13.15		2000	45000
3	YARDLEY	ARD	VOR/DME	L	353.36	343.36		19.18		2000	26000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PTW	VORTAC	R-059	32	5000	45000
SBJ	VOR/DME	R-274	14	18000	45000
ARD	VOR/DME	R-353	20	18000	26000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	2		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	2		KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	ISLIP	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART	2		KSWF	NEWBURGH	NY (US)
DP	DUTCHESS	2		KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J48	1, 2, 3				NJ (US)
EN ROUTE	V30-405	1, 2, 3				NJ (US)
EN ROUTE	V405	1, 2, 3				NY (US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/09/2010

REASON FOR REVISION:
1. FAC 2 (SBJ) MAA INCREASED FROM 41000 TO 45000.
2. SBJ ESV MAX ALTITUDE INCREASED FROM 41000 TO 45000 TO MATCH APPROVED ESVMS DATA.

DEVELOPED BY: **DATE:** 09/09/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: THEEO **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 405044.93N/0740631.96W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/07/2010

DEVELOPED BY: **DATE:** 09/07/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TNNIS **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 405257.02N/0734155.99W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/04/2010

REASON FOR REVISION:
FIX MOVED 0.50 NM NORTHWEST.

DEVELOPED BY: **DATE:** 09/04/2010 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BIGGY **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 402510.76N/0745821.57W **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	SOLBERG	SBJ	VOR/DME	L	237.24	227.24	14.41	14.41		2000	32000
2	YARDLEY	ARD	VOR/DME	L	353.36	343.36		10.41		2000	32000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ARD	VOR/DME	R-353	11	18000	32000
SBJ	VOR/DME	R-237	15	18000	32000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHEAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHEAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	1		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	1		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	1		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART	1		KSWF	NEWBURGH	NY (US)
DP	DUTCHESS	1		KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	V3	1, 2				(US)
EN ROUTE	V419	1, 2				(US)
EN ROUTE	J75	1, 2				NJ (US)
IAP	RNAV (GPS) RWY 07			K47N	MANVILLE	NJ (US)
IAP	RNAV (GPS) RWY 26			KCKZ	PERKASIE	PA (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 02/02/2010

REASON FOR REVISION:
CORRECTED SBJ ESV RADIAL FROM R-227

DEVELOPED BY: **DATE:** 02/02/2010 **OFFICE:** AVN-110 **NAME:** JEFF ANDERSON

NFPO APPROVAL: **DATE:** 02/18/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BMACK **STATE:** NJ **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 405407.56N/0741554.03W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/10/2009

DEVELOPED BY: **DATE:** 12/10/2009 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** 01/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COATE **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 410810.42N/0744142.60W **TYPE:** WP, INT, DME

INFO ONLY

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	HUGUENOT	HUO	VOR/DME	H	206.98	195.98	17.05	17.05		4000	45000
2	SPARTA	SAX	VORTAC	H	311.13	300.13	8.22	8.22		4000	45000
3	LAKE HENRY	LHY	VORTAC	L	129.50	119.50	41.02	41.02		4000	35000
4	ROBBINSVILLE	RBV	VORTAC	H	000.80	350.80	56.73	56.73		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LHY	VORTAC	R-130	42	4000	35000
RBV	VORTAC	R-001	57	5000	14800

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	NE	HUO	VOR/DME	206.98	206.98	R	1-1 1/2		4000	45000	6	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	MONUMENT (34-000046)	411915.00N/0743942.00W	2023	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
CHART HOLDING ON LOW AND HIGH CHART
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN	2		KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN	2		KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	2		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	2		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	2		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	2		KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE	2		KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND	2		KISP	ISLIP	NY (US)
DP	KENNEDY	2		KJFK	NEW YORK	NY (US)
DP	SEAVIEW	2		KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LAGUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	STEWART	1		KSWF	NEWBURGH	NY (US)
DP	DUTCHESS	1		KPOU	POUGHKEEPSIE	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J36	1, 2, 3				(US)
EN ROUTE	V116	1, 2, 3				(US)
EN ROUTE	V126	1, 2, 3				(US)
EN ROUTE	V188	1, 2, 3				(US)
EN ROUTE	V205	1, 2, 3	1			(US)
EN ROUTE	V252	1, 2, 3, 4	1			(US)
EN ROUTE	V489	1, 2, 3	1			(US)
IAP	RNAV (GPS) Y RWY 6			KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) RWY 19			KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) Z RWY 6			KTEB	TETERBORO	NJ (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 12/11/2009

REASON FOR REVISION:
1. FAC 2 (SAX) MRA INCREASED FROM 3000 TO 4000 TO MATCH AIRWAY MEA. MAA INCREASED FROM 17500 TO 45000 TO SUPPORT HIGH CHARTING.
2. FAC 1 (HUO) MRA INCREASED FROM 17500 TO 45000 TO SUPPORT HIGH CHARTING.
3. FAC 3 (LHY) MRA INCREASED FROM 17500 TO 35000 TO SUPPORT HIGH CHARTING (ESV RESTRICTED TO 35000).
4. FAC 4 (RBV) ADDED TO SUPPORT DEPICTION ON V252.
5. ESV DATA ADDED FOR FAC 4.
6. PAT 1 DME VALUE REMOVED FROM HOLDING LEG LENGTH. TIMING LEG LENGTH AMENDED FROM 1 TO 1-1 1/2.
7. PAT 1 MAX HOLDING ALTITUDE INCREASED FROM 8000 TO 45000 TO SUPPORT HIGH ALTITUDE HOLDING.
8. FIX USE UPDATED.

DEVELOPED BY:	**DATE:** 12/11/2009	**OFFICE:** AVN-110	**NAME:** PETER GUIMOND
NFPO APPROVAL:	**DATE:** 01/28/2010	**OFFICE:** AVN-110	**NAME:** PETER GETZ
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: ELIOT **STATE:** PA **COUNTRY:** US

LATITUDE/LONGITUDE: 404906.65N/0750748.43W **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	SPARTA	SAX	VORTAC	H	252.17	241.17	30.77	30.77		2700	32000
2	BROADWAY	BWZ	VOR/DME	L	286.00	275.00		14.10		2700	32000
3	EAST TEXAS	ETX	VOR/DME	L	069.43	060.43		29.01		2700	32000
4	RAVINE	RAV	VORTAC	L	087.19	076.19	68.92	68.92		18000	32000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ETX	VOR/DME	R-069	30	18000	32000
BWZ	VOR/DME	R-286	15	3000	45000
RAV	VORTAC	R-087	69	14000	45000

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

REMARKS:
DO NOT CHART FAC 4 (RAV) ON LOW ENROUTE
"CHOKE POINT" ZNY NORTHGATE: ELIOT TO RAV VORTAC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	1, 3		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	1, 3		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	1		KTEB	TETERBORO	NJ (US)
DP	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J80	1, 2, 3, 4				(US)
EN ROUTE	J60	1, 2, 3, 4				NJ (US)
EN ROUTE	Q42					NJ (US)
EN ROUTE	V39	1, 2, 3				NJ (US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 02/02/2010

REASON FOR REVISION:
CORRECTED FAC 3 MAG/TRUE BRG FROM 069.42/060.42
CHANGED ESV MIN-MAX ALTITUDE DATA TO MATCH ESVMS: BWZ FROM 18000-32000; RAV FROM 14000-45000

DEVELOPED BY: **DATE:** 02/02/2010 **OFFICE:** AVN-110 **NAME:** JEFF ANDERSON

NFPO APPROVAL: **DATE:** 02/18/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD PENDING CHART 11/18/10

NAME: GAYEL **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 412424.04N/0742125.75W **TYPE:** WP, INT, DME

INFO ONLY

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	DEER PARK	DPK	VOR/DME	L	320.00	308.00	60.36	60.36		5000	45000
2	STILLWATER	STW	VOR/DME	L	054.09	043.09		33.83		5500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DPK	VOR/DME	R-320	61	5000	45000
STW	VOR/DME	R-054	34	5500	45000

FIX RESTRICTIONS:
MRA V374 5500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	1		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	1		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	1		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	1		KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	ISLIP	NY (US)
DP	KENNEDY	1		KJFK	NEW YORK	NY (US)
DP	SEAVIEW	1		KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J95	1, 2				(US)
EN ROUTE	V374	1, 2				(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 06/08/2010

REASON FOR REVISION:
UPDATED FIX USE.
DELETED CFB FROM FAC 1.
DELETED ESV FOR CFB.
CHANGED FAC 2 MRA FROM 5000 TO 5500.
ADDED MRA FLAG.

DEVELOPED BY: **DATE:** 06/08/2010 **OFFICE:** AVN-110 **NAME:** MARCELLO SADORRA (MARY LYNNE HOEGSTROM)

NFPO APPROVAL: **DATE:** 09/02/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GRYDE **STATE:** NJ **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 410354.54N/0741043.47W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/11/2009

DEVELOPED BY: **DATE:** 12/11/2009 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** 01/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEION **STATE:** NJ **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 411341.21N/0743450.78W **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	LA GUARDIA	LGA	VOR/DME	L	321.71	309.71	41.91	41.91		13500	25000
2	STILLWATER	STW	VOR/DME	L	054.09	043.09		19.10		13500	25000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
STW	VOR/DME	R-054	20	18000	25000
LGA	VOR/DME	R-322	42	13500	25000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	1		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	1		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	1		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	1		KTEB	TETERBORO	NJ (US)
DP	FARMINGDALE			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	ISLIP	NY (US)
DP	KENNEDY	1		KJFK	NEW YORK	NY (US)
DP	SEAVIEW	1		KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J223	1, 2				(US)
EN ROUTE	V36	1, 2				(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 12/11/2009

REASON FOR REVISION:
1. DISTANCE FROM FAC ADDED TO FAC 1 AND FAC 2.
2. FAC 1 (LGA) MAA AMENDED FROM 45000 TO 25000 TO MATCH J223 MAA.
3. FAC 2 (STW) MRA INCREASED FROM 3000 TO 13500 TO MATCH V36 MEA. MAA AMENDED FROM 45000 TO 25000 TO MATCH J223 MAA.
4. ESV DATA POPULATED.
5. FIX USE UPDATED.

DEVELOPED BY: **DATE:** 12/11/2009 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** 01/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PARKE **STATE:** NJ **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 404059.46N/0750435.32W **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	BROADWAY	BWZ	VOR/DME	L	250.33	239.33	13.51	13.51		3000	39000
2	YARDLEY	ARD	VOR/DME	L	353.35	343.35		26.91		3000	28000
3	SOLBERG	SBJ	VOR/DME	L	301.55	291.55		16.43		3000	39000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ARD	VOR/DME	R-353	27	18000	28000
BWZ	VOR/DME	R-250	14	18000	39000
SBJ	VOR/DME	R-302	17	18000	39000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN	1, 3		KMMU	MORRISTOWN	NJ (US)
DP	LIBERTY	1, 3		KEWR	NEWARK	NJ (US)
DP	MARINER			KEWR	NEWARK	NJ (US)
DP	MEDDO (RNAV)			KEWR	NEWARK	NJ (US)
DP	NEWARK	1, 3		KEWR	NEWARK	NJ (US)
DP	PORTT (RNAV)			KEWR	NEWARK	NJ (US)
DP	RUUDY (RNAV)			KTEB	TETERBORO	NJ (US)
DP	TETERBORO	1		KTEB	TETERBORO	NJ (US)
DP	SEAVIEW			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LA GUARDIA			KLGA	NEW YORK	NY (US)
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J6	1, 2, 3				NJ (US)
EN ROUTE	V457	1, 2, 3				NJ (US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 12/12/2009

REASON FOR REVISION:
1. FAC 3 (SBJ) MRA INCREASED FROM 2800 TO 3000 TO MATCH AIRWAY MEA.
2. DME VALUES REMOVED FROM FAC 2 AND FAC 3 PER CURRENT CHARTING POLICY.
3. FIX USE UPDATED.

DEVELOPED BY: **DATE:** 12/12/2009 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** 01/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STBNZ **STATE:** NY **COUNTRY:** US

INFO ONLY

LATITUDE/LONGITUDE: 405601.02N/0734902.25W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STBNZ (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/11/2009

DEVELOPED BY: **DATE:** 12/11/2009 **OFFICE:** AVN-110 **NAME:** PETER GUIMOND

NFPO APPROVAL: **DATE:** 01/28/2010 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: N90
OTHER:

QUALITY CHECKED