

# RADIO FIX AND HOLDING DATA RECORD

**INFORMATION ONLY**

NAME: APPLE

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403322.09N/0740344.11W

TYPE: WP, RADAR, 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 NM	FAC FEET	MRA	MAA
1	LA GUARDIA	LGA	VOR/DME	L	225.00	213.00	16.26	16.26		5000	17500
2	KENNEDY	JFK	VOR/DME	H	263.00	251.00	14.07	14.07		3500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123	1, 2				(US)
EN ROUTE	V157	1, 2				(US)
EN ROUTE	V445	1, 2				(US)
EN ROUTE	V6	1, 2				(US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2		KLGA	NEW YORK	NY (US)
STAR	MILTON	1, 2		KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

- 1.DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. ADDED WP TO FIX TYPE.
3. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZNY  
ATC FACILITY: NY TRACON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: BACKY STATE: MD COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390057.71N/0760504.92W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

HOLDING: HOLDING TYPE OF ACTION: ESTABLISH

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW		WP	216.00	036.00	R	7	10000 12000	10 10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (24-000630)	385717.84N/0760533.75W	526	1A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

ATC REQUESTS 7 NM LEGS FOR HOLDING.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRAND (RNAV)		1	KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)		1	KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 05/21/2020

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: MIKE MELSSSEN

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: NY ARTCC, NYC APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRAND STATE: NJ COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 400206.28N/0744409.50W 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	FEET	MRA	MAA
1	ROBBINSVILLE	RBV	VORTAC	H	237.95	227.95	14.95	14.95		2000	45000
2	COYLE	CYN	VORTAC	H	323.00	313.00		19.18		2000	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	RBV	VORTAC	237.95	057.95	R	1		5000	7000	4	4
2	SW	RBV	VORTAC	237.95	057.95	R	1		2000	4000	4	5
3	SW	WP	WP	240.00	060.00	R		4	7000	8000	7	7

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	175	TOWER (34-000411)	400029.04N/0744220.33W	470	4D
2	200	TOWER (34-000411)	400029.04N/0744220.33W	470	4D
3	210	TOWER (34-000838)	395134.00N/0745659.00W	551	4D

## HOLDING RESTRICTIONS:

PAT 3 CHART 210K ICON  
PAT 1 CHART 175K ICON  
HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

ROBBINSVILLE (FAC 1) AND COYLE (FAC 2) USED TO ESTABLISH FIX COORDINATES  
CHART 175 KT ICON & HOLDING PATTERN ON LOW CHARTS  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 3: 4 DME LEG REQUESTED BY ATC.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J42-191	1, 2				(US)
EN ROUTE	V123-157-213	1, 2				(US)
IAP	ILS V RWY 17 (CONVERGING)	1, 2	2	KPHL	PHILADELPHIA	PA (US)
IAP	LOC BC RWY 6	1, 2	2	KPNE	PHILADELPHIA	PA (US)
STAR	BRAND (RNAV)		3	KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)		3	KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. DELETED GATBY STAR FROM AND ADDED APPLE STAR TO FIX USE AT KLGA.
2. DELETED RUUTH STAR AT KEWR FROM FIX USE.
3. ADDED HOLDING PATTERN 3 AND ASSOCIATED OBSTACLE.
4. ADDED WP TO FIX TYPE.
5. ADDED BRAND STAR AT KLGA TO FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: LIAM DONAHUE
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC  
FPO: EST  
ARTCC: ZDC, ZNY  
ATC FACILITY: WRI & PHL APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** DUPONT VORTAC

**STATE:** DE

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 394041.30N/0753625.51W

**TYPE:**

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	DUPONT	DQO	VORTAC	L							17500

**HOLDING:**

**HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW	DQO	VORTAC	233.00	053.00	L	1	2000 14000	6 8
2	E	DQO	VORTAC	068.00	248.00	L	1	3000 8000	4 8
3	SW		WP	235.00	055.00	L		4000 12000	5 10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	STACK (10-000014)	393536.00N/0753803.00W	560	5D
2	200	TOWER (10-000182)	394629.40N/0753146.00W	515	5D
3	210	STACK (10-000014)	393536.00N/0753803.00W	560	5D

**REASON FOR NONSTANDARD HOLDING:**

PAT 3 ATC REQUEST  
PAT 1 ATC REQUEST  
PAT 2 ATC REQUEST

**HOLDING RESTRICTIONS:**

PAT 3 CHART 210K ICON  
PAT 1 CHART 210K ICON  
HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

CHART 210 KIAS ICON PAT 1 ENROUTE LOW  
ASSIGNED FACILITY MAGVAR: 10W (1980).  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DOCTR (RNAV)			KDCA	WASHINGTON	DC (US)
DP	SWANN			KBWI	BALTIMORE	MD (US)
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	LEEAH			KMIV	MILLVILLE	NJ (US)
DP	PHILADELPHIA			KPHL	PHILADELPHIA	PA (US)
EN ROUTE	J51					(US)
EN ROUTE	V166					(US)
EN ROUTE	V170		1			(US)
EN ROUTE	V214		1			(US)
EN ROUTE	V252					(US)
EN ROUTE	V29					(US)
EN ROUTE	V433		1			(US)
EN ROUTE	V445		1			(US)
EN ROUTE	V469					(US)
EN ROUTE	V479					(US)
IAP	NDB-A			KEVY	MIDDLETOWN	DE (US)
IAP	RNAV (GPS) RWY 17			KEVY	MIDDLETOWN	DE (US)
IAP	RNAV (GPS) RWY 19			KILG	WILMINGTON	DE (US)
IAP	VOR RWY 27			KILG	WILMINGTON	DE (US)
IAP	VOR RWY 9			KILG	WILMINGTON	DE (US)
IAP	ILS OR LOC RWY 29		1	KMQS	COATESVILLE	PA (US)
IAP	RNAV (GPS) RWY 29			KMQS	COATESVILLE	PA (US)
IAP	ILS OR LOC RWY 9L		2	KPHL	PHILADELPHIA	PA (US)
IAP	ILS V RWY 9R (CONVERGING)		2	KPHL	PHILADELPHIA	PA (US)
IAP	ILS Z OR LOC Z RWY 9R		2	KPHL	PHILADELPHIA	PA (US)
IAP	ILS Z RWY 9R (CAT II & III)		2	KPHL	PHILADELPHIA	PA (US)
IAP	ILS Z RWY 9R (SA CAT I)		2	KPHL	PHILADELPHIA	PA (US)
IAP	RIVER VISUAL RWY 9L/9R			KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) Y RWY 9L			KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (GPS) Y RWY 9R			KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (RNP) Z RWY 9L			KPHL	PHILADELPHIA	PA (US)
IAP	RNAV (RNP) Z RWY 9R			KPHL	PHILADELPHIA	PA (US)
STAR	DELRO			KIAD	WASHINGTON	DC (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	BRAND (RNAV)		3	KEWR	NEWARK	NJ (US)
STAR	DYLIN			KEWR	NEWARK	NJ (US)
STAR	PHLBO (RNAV)			KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)		3	KLGA	NEW YORK	NY (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. DELETED RUUTH STAR AT KEWR FROM AND ADDED BRAND STAR AT KEWR TO FIX USE.
3. ADDED HOLDING PATTERN 3.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** LIAM DONAHUE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: PHL/DOV APP CON

OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: GATBY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391540.02N/0760601.84W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 18-AEA-21

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DUPONT	DQO	VORTAC	L	232.68	222.68		33.92			
2	SMYRNA	ENO	VORTAC	L	282.89	273.89	27.30	27.30		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DUPONT (FAC 1) AND SMYRNA (FAC 2) USED TO ESTABLISH FIX COORDINATES  
DQO R-233 UNUSABLE BEYOND 22 NM

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T356					(US)
EN ROUTE	V170	1, 2				(US)
EN ROUTE	V214	1, 2				(US)
EN ROUTE	V433	1, 2				(US)
EN ROUTE	V445	1, 2				(US)
EN ROUTE	V445	1, 2				(US)
STAR	MAZIE (RNAV)			KCDW	CALDWELL	NJ (US)
STAR	MAZIE (RNAV)			KLDJ	LINDEN	NJ (US)
STAR	MAZIE (RNAV)			K47N	MANVILLE	NJ (US)
STAR	MAZIE (RNAV)			KMMU	MORRISTOWN	NJ (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	MAZIE (RNAV)			KSMQ	SOMERVILLE	NJ (US)
STAR	MAZIE (RNAV)			KTEB	TETERBORO	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

FIX TYPE: ADDED "WP"  
AIRSPACE DOCKET: ADDED "18-AEA-21"  
FIX MAKE-UP: FAC 1 ADDED DIST FROM FAC NM AND DELETED MRA AND MAA; FAC 2 CHANGED DME FROM 27.31 TO 27.30 AND ADDED DIST FROM FAC NM; DELETED FAC 3 (ESV DISAPPROVED).  
REMARKS: ADDED "DQO R-233 UNUSABLE BEYOND 22 NM" AND "DUPONT (FAC 1) AND SMYRNA (FAC 2) USED TO ESTABLISH FIX COORDINATES"; DELETED "MAG VAR: ENO 9W; DQO 10W; PXT 10W", "FAC 2 & 3 STAR CHARTING" AND "ESV FOR PXT R-023/60 RQSTD 12/07/02"  
FIX USE: SPLIT V170-214-433-445 AND ADDED FAC 1 AND 2 TO MATCH WHAT IS PUBLISHED; ADDED T356; DELETED RUUTH STAR AND GATBY STAR; ADDED APPLE (RNAV) STAR AND BRAND (RNAV) STAR.  
REQUIRED CHARTING: CHANGED "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JACOB MAXFIELD

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: BWI APP CON

OTHER:

# RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: KORRY STATE: NJ COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 400537.83N/0743905.56W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	ROBBINSVILLE	RBV	VORTAC	H	237.95	227.95	9.71	9.71	3000	17500
2	YARDLEY	ARD	VOR/DME	L	139.00	129.00	15.17	15.17	3000	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE		WP	060.95	240.95	R	4	3000	4000	5	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000258)	400916.00N/0742946.00W	562	3C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123-157-213	1, 2				(US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. DELETED RUUTH STAR AT KEWR FROM AND ADDED BRAND STAR AT KEWR TO FIX USE.
3. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: LIAM DONAHUE

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: EST  
 ARTCC: ZNY  
 ATC FACILITY: WRI APP CON  
 OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**INFORMATION ONLY**

NAME: LOUIE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 383644.33N/0761804.37W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PATUXENT	PXT	VORTAC	L	023.46	013.46	20.00	20.00		2500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LUCYL (RNAV)			KRIC	RICHMOND	VA (US)
EN ROUTE	T291					(US)
EN ROUTE	T295					(US)
EN ROUTE	V93	1				(US)
STAR	MAZIE (RNAV)			KCDW	CALDWELL	NJ (US)
STAR	MAZIE (RNAV)			KLDJ	LINDEN	NJ (US)
STAR	MAZIE (RNAV)			K47N	MANVILLE	NJ (US)
STAR	MAZIE (RNAV)			KMMU	MORRISTOWN	NJ (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	MAZIE (RNAV)			KSMQ	SOMERVILLE	NJ (US)
STAR	MAZIE (RNAV)			KTEB	TETERBORO	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. DELETED GATBY STAR AT KLGA FROM FIX USE.
2. DELETED RUUTH STAR AT KEWR FROM AND ADDED BRAND STAR AT KEWR TO FIX USE.
3. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY:  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: MINKS

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 402229.54N/0741637.10W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ROBBINSVILLE	RBV	VORTAC	H	054.00	044.00	14.39	14.39		2000	17500
2	SOLBERG	SBJ	VOR/DME	L	130.24	120.24		24.67		2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

ROBBINSVILLE (FAC 1) AND SOLBERG (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123	1, 2				NJ (US)
EN ROUTE	V157	1, 2				NJ (US)
IAP	RNAV (RNP) Z RWY 4			KLGA	NEW YORK	NY (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

ATC COORDINATION: DATE: 12/19/2019

FACILITY:

NAME: NAD

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZNY  
ATC FACILITY: NY TRACON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**INFORMATION ONLY**

NAME: ODESA

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392929.00N/0754944.37W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 18-AEA-21

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DUPONT	DQO	VORTAC	L	232.67	222.67	15.21	15.21		2000	17500
2	SMYRNA	ENO	VORTAC	L	326.01	317.01		21.32		4900	17500

## FIX RESTRICTIONS:

MRA V170-214-433-445 4900

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DUPONT (FAC 1) AND SMYRNA (FAC 2) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T356					(US)
EN ROUTE	V170	1, 2				(US)
EN ROUTE	V214	1, 2				(US)
EN ROUTE	V433	1, 2				(US)
EN ROUTE	V445	1, 2				(US)
IAP	ILS OR LOC RWY 1	1, 2		KILG	WILMINGTON	DE (US)
IAP	RNAV (GPS) RWY 1			KILG	WILMINGTON	DE (US)
SPECIAL IAP	RNAV (GPS) RWY 31			KMD31	FOREST HILL	MD (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

REQUIRED CHARTING: STAR, IAP, AREA, EN ROUTE LOW, SPECIAL IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED "18-AEA-21"

FIX MAKE-UP: CHANGED FAC 1 MAG/TRUE FROM 232.68/222.68 TO 232.67/222.67; CHANGED FAC 2 MRA FROM 2000 TO 4900 DUE TO FACILITY RESTRICTION.

FIX RESTRICTIONS: REMOVED FIX RESTRICTIONS NOTE; ADDED "MRA V170-214-433-445 4900"

FIX USE: CHANGED MD31 - RNAV (GPS) RWY 31 FIX USE TYPE TO SPECIAL IAP AND REMOVED (SPECIAL) FROM RNAV (GPS) RWY 31 NAME; ADDED T356, APPLE (RNAV) STAR, AND BRAND (RNAV) STAR; DELETED RUUTH STAR AND GATBY STAR.

REQUIRED CHARTING: ADDED "SPECIAL IAP" AND "AREA"; CHANGED "CONTROLLER" TO "CONTROLLER LOW".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JACOB MAXFIELD

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: PHL APP CON / ILG ATCT

OTHER: POTOMAC APP CON

# RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: PROUD

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403747.25N/0735959.12W

TYPE: WP, RADAR, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	LA GUARDIA	LGA	VOR/DME	L	225.00	213.00	11.00	11.00	2700	17500
2	KENNEDY	JFK	VOR/DME	H	281.05	269.05		10.43	2700	17500
3	ROBBINSVILLE	RBV	VORTAC	H	051.37	041.37	34.23	34.23	2700	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	LGA	VOR/DME	225.00	045.00	L	1		2700	8000	4	6
2	SW	WP	WP	225.00	045.00	L		5	3000	12000	5	10
3	SW	RBV	VORTAC	051.37	051.37	L	1		3000	6000	6	9
4	SW	RBV	VORTAC	231.37	051.37	L	1		2700	6000	4	4
5	SW	WP	WP	225.00	045.00	L		4	3000	10000	7	8

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
1	310	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
2	200	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
2	310	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
3	200	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
4	200	BLDG (36-020633)	404246.75N/0740047.27W	1806	1A
5	210	BUILDING (36-020633)	404246.75N/0740047.27W	1806	1A

## REASON FOR NONSTANDARD HOLDING:

PAT 5 AIR TRAFFIC REQUEST DUE TO AIRSPACE  
PAT 1 AIR TRAFFIC REQUEST DUE TO AIRSPACE  
PAT 2 AIR TRAFFIC REQUEST DUE TO AIRSPACE  
PAT 3 AIR TRAFFIC REQUEST DUE TO AIRSPACE  
PAT 4 AIR TRAFFIC REQUEST DUE TO AIRSPACE

## HOLDING RESTRICTIONS:

PAT 5 CHART 210K ICON  
PAT 1 CHART 210K ICON  
HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 22	KLGA	NEW YORK	NY (US)
1	ILS RWY 22 (SA CAT II)	KLGA	NEW YORK	NY (US)
1	ILS RWY 22 (SA CAT I)	KLGA	NEW YORK	NY (US)
2	RNAV (GPS) Y RWY 22	KLGA	NEW YORK	NY (US)
2	RNAV (RNP) Z RWY 22	KLGA	NEW YORK	NY (US)

## REMARKS:

LA GUARDIA (FAC 1) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1 & 4 MIN HOLDING ALTITUDE 2700, OBSTACLE IN SECONDARY AREA.  
PAT 2 5 NM LEG RETAINED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123	1, 2	1			(US)
EN ROUTE	V157	1, 2	1			(US)
EN ROUTE	V433	1, 2	1			(US)
EN ROUTE	V445	1, 2	1			(US)
EN ROUTE	V6	1, 2	1			(US)
IAP	APPLE (RNAV)		5	KLGA	NEW YORK	NY (US)
IAP	COPTER ILS OR LOC RWY 22	1, 2	1	KLGA	NEW YORK	NY (US)
IAP	COPTER ILS OR LOC RWY 22 (ALT MISS)	2, 3	4	KLGA	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 22	1, 2	1	KLGA	NEW YORK	NY (US)
IAP	ILS RWY 22 (SA CAT I)	1, 2	1	KLGA	NEW YORK	NY (US)
IAP	ILS RWY 22 (SA CAT II)	1, 2	1	KLGA	NEW YORK	NY (US)
IAP	LDA-A	1, 2	1	KLGA	NEW YORK	NY (US)
IAP	RNAV (GPS) Y RWY 22		2	KLGA	NEW YORK	NY (US)
IAP	RNAV (GPS)-B		2	KLGA	NEW YORK	NY (US)
IAP	RNAV (RNP) Z RWY 22		2	KLGA	NEW YORK	NY (US)
IAP	VOR/DME-G	1, 2	1	KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2	1	KLGA	NEW YORK	NY (US)
STAR	MILTON	1, 2	1	KLGA	NEW YORK	NY (US)

**REQUIRED CHARTING:** STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 15

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. ADDED HOLDING PATTERN 5.
3. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5431

**NAME:** LIAM DONAHUE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: EST  
ARTCC: ZNY  
ATC FACILITY: N90 / LGA  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: RENUÉ

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403106.72N/0740538.72W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ROBBINSVILLE	RBV	VORTAC	H	054.00	044.00	26.41	26.41		2900	17500
2	SOLBERG	SBJ	VOR/DME	L	107.23	097.23		29.88		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

ROBBINSVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123	1, 2				(US)
EN ROUTE	V157	1, 2				(US)
IAP	RNAV (RNP) Z RWY 4			KLGA	NEW YORK	NY (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)
STAR	KORRY	1, 2		KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/21/2020

## REASON FOR REVISION:

1. DELETED GATBY STAR AT KLGA AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: LIAM DONAHUE
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS
SIGNATURE:			

DISTRIBUTION:

NFDC  
 FPO: EST  
 ARTCC: ZNY  
 ATC FACILITY: NYC APP CON  
 OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** RUUTH

**STATE:** NJ

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 395101.24N/0745959.17W

**TYPE:** WP, INT, DME

**AIRSPACE DOCKET:**
**FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	YARDLEY	ARD	VOR/DME	L	200.00	190.00	24.53	24.53	2000	17500
2	DUPONT	DQO	VORTAC	L	079.63	069.63		29.94	4000	17500
3	ROBBINSVILLE	RBV	VORTAC	H	237.95	227.95	31.41	31.41	3000	17500
4	WOODSTOWN	OOD	VORTAC	L	057.44	047.44	19.03	19.03	2000	17500

**FIX RESTRICTIONS:**

SPECIAL RNAV (GPS) RWY 2, K3NJ6, RANCOCAS, NJ

**HOLDING:**
**HOLDING TYPE OF ACTION:** ESTABLISH

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	TEMPLATES MIN	MAX
1	W		WP	262.00	082.00	L		4	4000	12000	5	10

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000057)	395436.00N/0750559.00W	617	4D

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN

**REMARKS:**

 YARDLEY (FAC 1) AND DUPONT (FAC 2) USED TO ESTABLISH FIX COORDINATES  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PHILADELPHIA	1, 2		KPHL	PHILADELPHIA	PA (US)
EN ROUTE	V123	1, 3, 4				PA (US)
EN ROUTE	V157	1, 3, 4				PA (US)
EN ROUTE	V479	1, 2				PA (US)
IAP	RNAV (GPS) RWY 27			KILG	WILMINGTON	DE (US)
IAP	RNAV (GPS) RWY 25			K7N7	PEDRICKTOWN	NJ (US)
IAP	RNAV (GPS) RWY 2			K3NJ6	RANCOCAS	NJ (US)
IAP	RNAV (GPS) RWY 5			KN73	VINCENTOWN	NJ (US)
STAR	BRAND (RNAV)		1	KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)		1	KLGA	NEW YORK	NY (US)

**REQUIRED CHARTING:** DP, STAR, IAP, AREA, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 9

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. DELETED RUUTH STAR AT KEWR FROM AND ADDED BRAND STAR AT KEWR TO FIX USE.
3. ADDED HOLDING PATTERN 1.
4. ADDED HOLDING RESTRICTION: HOLDING LIMITED TO ESTABLISHED PATTERN.
5. ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED TO REMARKS.

**INITIATED BY:**
**DATE:**
**ORGANIZATION:**
**NAME:**
**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5431

**NAME:** LIAM DONAHUE

**APPROVED BY:**
**DATE:**
**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**
**DISTRIBUTION:**

 NFDC  
 FPO: EST  
 ARTCC: ZDC, ZNY  
 ATC FACILITY: PHL/ILG

OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SHLBK STATE: MD COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382016.21N/0762610.51W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LUCYL (RNAV)			KRIC	RICHMOND	VA (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 05/21/2020

REASON FOR REVISION:  
 1. CHART PUB: ADDED STAR, ENROUTE LOW/HIGH, CONTROLLER LOW/HIGH.  
 2. FIX USE: ADDED KEWR BRAND (RNAV) STAR AND KLGA APPLE (RNAV) STAR.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: MIKE MELSEN
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC  
 FPO: EST  
 ARTCC: ZDC  
 ATC FACILITY: PCT APP CON  
 OTHER:



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SWANN

**STATE:** MD

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 390905.28N/0761343.94W

**TYPE:** WP, INT, DME

**AIRSPACE DOCKET:** 18-AEA-21

**FIX TYPE OF ACTION:** MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	BALTIMORE	BAL	VORTAC	L	104.20	093.20	20.21	20.21	2000	29000
2	SMYRNA	ENO	VORTAC	L	271.00	262.00		33.60	2000	29000
3	NOTTINGHAM	OTT	VORTAC	L	051.96	041.96		36.01		
4	WASHINGTON	DCA	VOR/DME	L	073.88	064.88	41.63	41.63	7000	17500
5	DUPONT	DQO	VORTAC	L	232.68	222.68		42.81		

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BAL	VORTAC	R-104	21	18000	29000
ENO	VORTAC	R-271	34	18000	29000

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

**REMARKS:**

BALTIMORE (FAC 1) AND NOTTINGHAM (FAC 3) USED TO ESTABLISH FIX COORDINATES  
DQO R-233 UNUSABLE BEYOND 22 NM

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	SOOKI (RNAV)			KDCA	WASHINGTON	DC (US)
DP	CAPITAL	1, 2		KIAD	WASHINGTON	DC (US)
DP	JCOBY (RNAV)			KIAD	WASHINGTON	DC (US)
DP	WOOLY (RNAV)			KIAD	WASHINGTON	DC (US)
DP	SWANN	1, 2, 3, 4, 5		KBWI	BALTIMORE	MD (US)
DP	PTOMC (RNAV)			KJYO	LEESBURG	VA (US)
EN ROUTE	J51	1, 2, 3, 4				(US)
EN ROUTE	T356					(US)
EN ROUTE	T358					(US)
EN ROUTE	V123	4, 5				(US)
EN ROUTE	V170	1, 3, 5				(US)
EN ROUTE	V214	1, 2, 3				(US)
EN ROUTE	V268	1, 2, 3				(US)
EN ROUTE	V433	1, 3, 5				(US)
EN ROUTE	V445	4, 5				(US)
STAR	SMYRNA	1, 2, 3, 4, 5		KDOV	DOVER	DE (US)
STAR	MAZIE (RNAV)			KCDW	CALDWELL	NJ (US)
STAR	MAZIE (RNAV)			KLDJ	LINDEN	NJ (US)
STAR	MAZIE (RNAV)			K47N	MANVILLE	NJ (US)
STAR	MAZIE (RNAV)			KMMU	MORRISTOWN	NJ (US)
STAR	BRAND (RNAV)			KEWR	NEWARK	NJ (US)
STAR	MAZIE (RNAV)			KSMQ	SOMERVILLE	NJ (US)
STAR	MAZIE (RNAV)			KTEB	TETERBORO	NJ (US)
STAR	APPLE (RNAV)			KLGA	NEW YORK	NY (US)

**REQUIRED CHARTING:** DP, STAR, AREA, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 17

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

AIRSPACE DOCKET: ADDED "18-AEA-21"

FIX MAKE-UP: DELETED OTT MRA/MAA BECAUSE THE FACILITY IS UNUSABLE; ADDED DQO VOR/DME TO MATCH WHAT IS PUBLISHED.

ESV: DELETED OTT R-052 BECAUSE THE FACILITY IS PERMANENTLY OUT OF SERVICE.

REMARKS: ADDED "DQO R-233 UNUSABLE BEYOND 22 NM".

FIX USE: ADDED T356 AND T358. ADDED FAC 5 TO SWANN DP, J51, V123, V170, V433, V445, AND SMYRNA STAR TO MATCH WHAT IS PUBLISHED; ADDED FAC 3 TO SWANN DP; DELETED RUUTH STAR AND GATBY STAR; ADDED APPLE (RNAV) STAR AND BRAND (RNAV) STAR.

REQUIRED CHARTING: ADDED "AREA", "CONTROLLER LOW" AND "CONTROLLER HIGH"; DELETED "CONTROLLER" AND "IAP".

**INITIATED BY:**
**DATE:**
**ORGANIZATION:**
**NAME:**
**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** JACOB MAXFIELD

**APPROVED BY:****DATE:****OFFICE:** AJV-A430**NAME:** GEORGE DAVIS**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZDC**ATC FACILITY:** POTOMAC APP CON**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

**INFORMATION ONLY**

**NAME:** TYKES

**STATE:** NJ

**COUNTRY:** US

**ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 401722.38N/0742306.13W

**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 NM	FAC FEET	MRA	MAA
1	SOLBERG	SBJ	VOR/DME	L	147.00	137.00	24.02	24.02		2300	17500
2	ROBBINSVILLE	RBV	VORTAC	H	054.01	044.01	7.27	7.27		2000	17500
3	COLTS NECK	COL	VOR/DME	L	273.78	262.78	10.43	10.43		2000	17500

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

SOLBERG (FAC 1) AND ROBBINSVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V123-157	2				(US)
EN ROUTE	V232	1, 3				(US)
IAP	APPLE (RNAV)			KLGA	NEW YORK	NY (US)
STAR	KORRY			KLGA	NEW YORK	NY (US)

**REQUIRED CHARTING:** EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4

**DATE OF REVISION:** 05/21/2020

**REASON FOR REVISION:**

1. DELETED GATBY STAR AT KLGA FROM AND ADDED APPLE STAR AT KLGA TO FIX USE.
2. ADDED WP TO FIX TYPE.
3. ADDED CONTROLLER LOW TO REQUIRED CHARTING.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** LIAM DONAHUE

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: NYC  
ARTCC: ZNY  
ATC FACILITY: NYC APP CON  
OTHER: