

RADIO FIX AND HOLDING DATA RECORD

NAME: AADMS

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423507.53N/0711908.13W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
JFUND (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AUTUM

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423301.17N/0713532.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM UROWT TO AUTUM.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

FIX NAME CHANGED.

UPDATED FIX USE.

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BADCA

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423627.95N/0714243.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
STAR

USE TITLE
JFUND (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BASEZ

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423521.36N/0715036.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

USE TITLE

JFUND (RNAV)

FAC

PAT

AIRPORT IDENT

KBOS

CITY

BOSTON

STATE

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BECHH

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422012.83N/0705016.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
JFUND (RNAV)
OOSHN (RNAV)

FAC PAT

AIRPORT IDENT
KBOS
KBOS

CITY
BOSTON
BOSTON

STATE
MA (US)
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRODI

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422312.97N/0705518.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
JFUND (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUBLE

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423650.17N/0720231.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
JFUND (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GGABE

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 421629.28N/0705703.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
JFUND (RNAV)
OOSHN (RNAV)

FAC PAT

AIRPORT IDENT
KBOS
KBOS

CITY
BOSTON
BOSTON

STATE
MA (US)
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GRIFI

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 421842.17N/0705605.73W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
JFUND (RNAV)
OOSHN (RNAV)

FAC PAT

AIRPORT IDENT
KBOS
KBOS

CITY
BOSTON
BOSTON

STATE
MA (US)
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN
SIGNATURE:
Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HRRIS

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422740.77N/0710921.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM RSVOR TO HRRIS.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

FIX NAME CHANGED.

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ISLAY

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422946.42N/0710339.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM CHYAN TO ISLAY.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

STAR

ROBUC (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

FIX NAME CHANGED.

UPDATED FIX USE.

DEVELOPED BY:

DATE: 12/21/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JFUND

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423511.34N/0714915.93W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	298.00	118.00	L	10	9000	21000	15	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (25-000209)	422921.49N/0715313.07W	2099	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION
COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JFUND (RNAV)		1	KBOS	BOSTON	MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

ADDED HOLDING.
UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOBEE

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 421041.96N/0705932.15W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
JFUND (RNAV)
OOSHN (RNAV)

FAC PAT

AIRPORT IDENT
KBOS
KBOS

CITY
BOSTON
BOSTON

STATE
MA (US)
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON (DAVID SAUER)

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LWLND

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423456.56N/0710106.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM HILLL TO LWLND.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

FIX NAME CHANGED.

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE:

Digitally signed by

JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MNSTA

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 424103.33N/0723748.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
JFUND (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ONDEC

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423247.83N/0720356.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	NW		WP	294.00	114.00	L	15	11000 29000	30 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	425727.00N/0725527.00W	3763	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JFUND (RNAV)		1	KBOS	BOSTON	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

LOWERED PAT 1 MIN ALTITUDE FROM 13000.
INCREASED PAT 1 LEG LENGTH FROM 10.
INCREASED PAT 1 MIN/MAX TEMPLATE FROM 15/23.
UPDATED PAT 1 CONTROLLING OBSTACLE.
UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PONCT

STATE: NY

COUNTRY: US

LATITUDE/LONGITUDE: 424448.83N/0734848.07W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE
STAR
STAR

USE TITLE
Q82
Q935
JFUND (RNAV)
ROZZE (RNAV)

FAC PAT AIRPORT IDENT CITY

KBOS
KMHT

BOSTON
MANCHESTER

STATE
(US)
(US)
MA (US)
NH (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, ADDED JFUND (RNAV) STAR.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

CANCELLED

NAME: QUABN

STATE: MA

COUNTRY: US

5/26/2016

LATITUDE/LONGITUDE: 422854.69N/0712232.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
QUABN (RNAV)

FAC

PAT

AIRPORT IDENT
KBOS

CITY
BOSTON

STATE
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/15/2011

DEVELOPED BY:

DATE: 06/23/2011

OFFICE: AJV-352

NAME: DONALD SMITH (DAVID SAUER)

APPROVED BY:

DATE: 10/26/2011

OFFICE: AJV-352

NAME: DARRYEL ADAMS

Digitally signed by
SIGNATURE: **JULIE A MORGAN**

Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: REVER

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422627.48N/0705741.31W

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	FAC FEET	MRA	MAA
1	BOSTON	BOS	VOR/DME	H	029.98	013.98	5.16	5.16		2000	17500
2	GARDNER	GDM	VOR/DME	L	111.00	097.00	49.09	49.09		2000	17500
3	SHAKER HILL	SKR	NDB	MH	111.17	095.17		9.68		2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GDM	VOR/DME	R-111	50	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

GARDNER (FAC 2) AND BOSTON (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V3	1, 2				(US)
EN ROUTE	V431	1, 2				(US)
IAP	NDB RWY 29	1, 2, 3		KBED	BEDFORD	MA (US)
STAR	GARDNER	1, 2		KBOS	BOSTON	MA (US)
STAR	JFUND (RNAV)			KBOS	BOSTON	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: Digitally signed by

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SCITU

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 421643.48N/0704538.19W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
JFUND (RNAV)
OOSHN (RNAV)

FAC PAT

AIRPORT IDENT
KBOS
KBOS

CITY
BOSTON
BOSTON

STATE
MA (US)
MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEETS

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423846.19N/0721905.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	295.00	115.00	R	15	18000	32000	30	30

HOLDING RESTRICTIONS:

PAT 1 CHART 230K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JFUND (RNAV)		1	KBOS	BOSTON	MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

ADDED HOLDING.
UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEHAG

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422804.94N/0704706.19W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM FAKKE TO SEHAG.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

FIX NAME CHANGED.

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SPYSD

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422658.45N/0710137.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM MISTK TO SPYSD.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

CHANGED FIX NAME.

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/22/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SSAAM

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423755.51N/0712309.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

USE TITLE

JFUND (RNAV)

FAC

PAT

AIRPORT IDENT

KBOS

CITY

BOSTON

STATE

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: STOLI

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 424426.75N/0730652.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAME CHANGED FROM TRUIZ TO STOLI.

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR

JFUND (RNAV)

KBOS

BOSTON

MA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

CHANGED FIX NAME.

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SWIGG

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423158.57N/0711437.41W

TYPE: 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	BOSTON	I-MDC	LOC/DME		329.56	313.56	15.32	15.31		4000	4500
2	GARDNER	GDM	VOR/DME	L	104.96	090.96		36.13		4000	4500
3	LAWRENCE	LWM	VOR/DME	L	222.97	207.97		14.08		4000	4500
4	MANCHESTER	MHT	VOR/DME	L	179.50	164.50		20.88		4000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BOSTON (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-MDC DME COORDS: 422126.66N/0705935.05W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 15R	1, 2, 3, 4		KBOS	BOSTON	MA (US)
STAR	JFUND (RNAV)			KBOS	BOSTON	MA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

ADDED JFUND STAR TO FIX USE.
ADDED STAR TO REQUIRED CHARTING.

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

SIGNATURE: Jan 20, 2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BOS APP CON, BOS ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WACHU

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423908.71N/0712851.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

USE TITLE

JFUND (RNAV)

FAC

PAT

AIRPORT IDENT

KBOS

CITY

BOSTON

STATE

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*
JULIE A MORGAN

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WHATE

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 422610.03N/0724541.96W

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	CHESTER	CTR	VOR/DME	L	056.81	043.81	12.05		3500	17500
2	BARNES	BAF	VORTAC	L	007.00	353.00	16.57		3500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	NE	CTR	VOR/DME	056.81	236.81	L	1-1 1/2	3500 17500	7 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	422927.00N/0724736.00W	1939	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AT REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

HOLDING USED BY ZBW FOR METERING
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T295	1, 2				(US)
EN ROUTE	V93	1, 2				(US)
STAR	JFUND (RNAV)			KBOS	BOSTON	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/26/2016

REASON FOR REVISION:

UPDATED FIX USE, CHANGED QUABN STAR TO JFUND.

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by*

OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: BDL /BAF, BOS APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WINTA

STATE: MA

COUNTRY: US

LATITUDE/LONGITUDE: 423012.45N/0712159.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

USE TITLE

JFUND (RNAV)

FAC

PAT

AIRPORT IDENT

KBOS

CITY

BOSTON

STATE

MA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/26/2016

DEVELOPED BY:

DATE: 12/23/2015

OFFICE: AJV-5442

NAME: JEFF ANDERSON

APPROVED BY:

DATE: *Digitally signed by* OFFICE: AJV-5410

NAME: MARLON ROBINSON

JULIE A MORGAN

SIGNATURE: Jan 20, 2016

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZBW

ATC FACILITY: BOS APP CON

OTHER: