

RADIO FIX AND HOLDING DATA RECORD

NAME: BAINS

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393818.97N/0755451.72W

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	FAC FEET	MRA	MAA
1	DUPONT	DQO	VORTAC	L	270.65	260.65	14.43	14.43		2000	17500
2	MODENA	MXE	VORTAC	L	223.00	214.00		20.19		6000	17500
3	SMYRNA	ENO	VORTAC	L	331.92	322.92		30.63		2000	17500

FIX RESTRICTIONS:

MRA V166 6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DUPONT (FAC 1) AND SMYRNA (FAC 3) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V166	1, 2				(US)
IAP	ILS OR LOC RWY 1	1, 2		KILG	WILMINGTON	DE (US)
IAP	VOR RWY 9	1, 3		KILG	WILMINGTON	DE (US)
STAR	TRISH (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. TYPE: ADDED "WP"
2. CHARTING: ADDED "EN ROUTE HIGH", "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRRES STATE: PA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 395412.64N/0763247.76W 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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	326.22	146.22	L	7	9000	18000	9	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (42-000123)	400204.00N/0763707.00W	1864	5E

REASON FOR NONSTANDARD HOLDING:

PAT 1 TURNS AND LEG LENGTH ATC REQUEST

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TRISH (RNAV)		1	KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)		1	KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

- PATTERNS: UPDATED PAT 1 MAX TEMPLATE FROM "10" TO "14"
- CHARTING: ADDED "EN ROUTE LOW", "EN ROUTE HIGH", "CONTROLLER LOW", "CONTROLLER HIGH".

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: HENRY BRADSHAW

APPROVED BY: DATE: 09/05/2024 OFFICE: AJV-A423 NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FREEE

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393442.98N/0761558.51W

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
TRISH (RNAV)
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE LOW", "EN ROUTE HIGH", "CONTROLLER LOW", "CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUEYP

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 392315.48N/0764324.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP
IAP
IAP
STAR

USE TITLE

ILS OR LOC RWY 15R
RNAV (GPS) Y RWY 15R
RNAV (RNP) Z RWY 15R
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT

KBWI
KBWI
KBWI
KBWI

CITY

BALTIMORE
BALTIMORE
BALTIMORE
BALTIMORE

STATE

MD (US)
MD (US)
MD (US)
MD (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: IZZEE

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 405629.44N/0773144.71W

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
TRISH (RNAV)
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"; ADDED "EN ROUTE HIGH", "CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KRVER

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393631.89N/0760522.77W

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
TRISH (RNAV)
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE LOW", "EN ROUTE HIGH", "CONTROLLER LOW", "CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEGGO

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401716.01N/0770225.65W

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	SELINGSGROVE	SEG	VOR/DME	L	201.40	193.40	31.00	31.00		6000	17500
2	LANCASTER	LRP	VOR/DME	L	295.53	286.53		35.88		6000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SELINGSGROVE (FAC 1) AND LANCASTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PRTZL (RNAV)			KIAD	WASHINGTON	DC (US)
STAR	SELINGSGROVE	1, 2		KIAD	WASHINGTON	DC (US)
STAR	TRISH (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE HIGH", "CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NUGGY

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 394434.56N/0760022.21W

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	MODENA	MXE	VORTAC	L	245.00	236.00	18.72	18.72		6000	17500
2	DUPONT	DQO	VORTAC	L	292.00	282.00		18.88		6000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MODENA (FAC 1) AND DUPONT (FAC 2) USED TO ESTABLISH FIX COORDINATES.
TOWER ENROUTE FROM BALTIMORE-WASHINGTON INTL, MD TO PHILADELPHIA INTL, PA

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V378	1, 2				(US)
STAR	CLIPR (RNAV)			KDCA	WASHINGTON	DC (US)
STAR	TRISH (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"; ADDED "EN ROUTE HIGH", "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAUKY

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 394237.60N/0762747.38W

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
TRISH (RNAV)
TRISH (RNAV)

FAC

PAT

AIRPORT IDENT
KBWI
KMTN

CITY
BALTIMORE
BALTIMORE

STATE
MD (US)
MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE LOW", "EN ROUTE HIGH", "CONTROLLER LOW", "CONTROLLER HIGH".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRISH

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393012.43N/0762225.99W

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	BALTIMORE	BAL	VORTAC	L	044.79	033.79	24.00	24.00	2300	17500
2	WESTMINSTER	EMI	VORTAC	H	096.78	088.78	28.09	28.09	2300	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	BAL	VORTAC	044.79	224.79	R	1		3000	14000	5	11
2	NE		WP	045.00	225.00	R		7	8000	14000	9	9
3	NE		WP	043.00	223.00	R		7	7000	14000	9	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	T-L TWR (24-006148)	393823.00N/0762341.00W	840	5E
2	210	AAO	394230.00N/0762012.00W	955	4E
3	210	AAO	394230.00N/0762012.00W	955	4E

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.
PAT 2 CHART 210K ICON
PAT 3 CHART 210K ICON

REMARKS:

BALTIMORE (FAC 1) AND WESTMINSTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-4001, PAT 1, 2, AND 3.
PAT 3 MIN TEMPLATE 9 TO PROTECT ATC REQUESTED 7NM LEGS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V378	1, 2	1			(US)
EN ROUTE	V499	1, 2	1			(US)
STAR	CLIPR (RNAV)		2	KDCA	WASHINGTON	DC (US)
STAR	TRISH (RNAV)		3	KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)		3	KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE HIGH", "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TROYZ

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 394102.40N/0760705.67W

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	MODENA	MXE	VORTAC	L	245.00	236.00	25.00	25.00		7500	17500
2	LANCASTER	LRP	VOR/DME	L	171.95	162.95		27.33		7500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MODENA (FAC 1) AND LANCASTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.
BALTIMORE ARRIVALS VIA V378

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V378	1, 2				(US)
STAR	CLIPR (RNAV)			KDCA	WASHINGTON	DC (US)
STAR	TRISH (RNAV)			KBWI	BALTIMORE	MD (US)
STAR	TRISH (RNAV)			KMTN	BALTIMORE	MD (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/05/2024

REASON FOR REVISION:

1. CHARTING: ADDED "EN ROUTE HIGH", "CONTROLLER HIGH"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

May 06, 2024

QUALITY
14
CHECKED