

RADIO FIX AND HOLDING DATA RECORD

NAME: BRUHH

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393249.70N/0771740.29W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HYPER (RNAV)			HEF	WASHINGTON	DC (US)
STAR	PRTZL (RNAV)			HEF	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			IAD	WASHINGTON	DC (US)
STAR	PRTZNL (RNAV)			IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			EZF	FREDERICKSBURG	VA (US)
STAR	PRTZL (RNAV)			EZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)			NYG	QUANTICO	VA (US)
STAR	PRTZL (RNAV)			NYG	QUANTICO	VA (US)
STAR	HYPER (RNAV)			RMN	STAFFORD	VA (US)
STAR	PRTZL (RNAV)			RMN	STAFFORD	VA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/09/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

TARA N MARTINELLI

Apr 17, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: ELISN **STATE:** VA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 385604.53N/0773425.56W **TYPE:** WP

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

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

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
STAR	HYPER (RNAV)			IAD	WASHINGTON	DC (US)
STAR	PRTZL (RNAV)			IAD	WASHINGTON	DC (US)
STAR	WAYNZ (RNAV)			IAD	WASHINGTON	DC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/09/2026

REASON FOR REVISION:
LATITUDE/LONGITUDE: COORDINATES CHANGED FROM 385604.35N/0773447.64W TO 385604.53N / 0773425.56W; FIX MOVED 1745 FT EAST.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: PARNELL PRASSADA
APPROVED BY:	DATE: 06/04/2026	OFFICE: AJV-A432	NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
TARA N MARTINELLI
Apr 17, 2026

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GANDE

STATE: NY

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413036.66N/0734852.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CONTROLLER LOW PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q437					(US)
STAR	HYPER (RNAV)			HEF	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			CJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)			EZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)			FRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)			JYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)			NYG	QUANTICO	VA (US)
STAR	HYPER (RNAV)			RMN	STAFFORD	VA (US)
STAR	HYPER (RNAV)			HWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)			OKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)			MRB	MARTINSBURG	WV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

1. AIRSPACE DOCKET: REMOVED AIRSPACE DOCKET 24-AEA-4.
2. FIX USE: DELETED Q133.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

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Apr 17, 2026

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HYPER **STATE:** MD **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 394102.16N/0771330.34W **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 FEET	MRA	MAA
1	MARTINSBURG	MRB	VORTAC	L	065.08	058.08	34.01	34.01	5000	32000
2	WESTMINSTER	EMI	VORTAC	VH	322.80	314.80		16.09	5500	32000
3	LANCASTER	LRP	VOR/DME	L	248.07	239.07	50.42	50.42	9000	32000
4	FREDERICK	FDK	VOR/DME	L	031.10	023.10		17.71	6000	12000
5	SELINGSGROVE	SEG	VOR/DME	L	201.40	193.40	68.19	68.19	6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LRP	VOR/DME	R-248	51	9000	32000
SEG	VOR/DME	R-201	69	6000	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	NE	MRB	VORTAC	065.08	245.08	L	1	5000 14000	7 10
2	E	LRP	VOR/DME	248.07	248.07	L	1	9000 14000	9 10
3	E	WP	WP	068.61	248.61	L	4	7000 13000	7 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	AAO	392654.00N/0773736.00W	1956	4B
2	210	AAO	401436.00N/0761903.00W	1191	4B
3	210	AAO	394212.00N/0765648.00W	1296	4B

REASON FOR NONSTANDARD HOLDING:

PAT 1 TO REMAIN CLEAR OF R4009.
 PAT 2 TO REMAIN CLEAR OF R4009.
 PAT 3 TO REMAIN CLEAR OF R4009.

HOLDING RESTRICTIONS:

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

REMARKS:

MARTINSBURG (FAC 1) AND WESTMINSTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.
 PAT 2 USED IN THE EVENT FAC 1 OTS (NOT CHARTED), MAX HOLDING AIRSPEED 210 KIAS.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J6	2, 3				(US)
EN ROUTE	V143	1, 2, 3	1			(US)
EN ROUTE	V39	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 16			DMW	WESTMINSTER	MD (US)
IAP	RNAV (GPS) RWY 6			W05	GETTYSBURG	PA (US)
STAR	PRTZL (RNAV)		3	HEF	WASHINGTON	DC (US)
STAR	PRTZL (RNAV)		3	IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)		3	HEF	WASHINGTON	DC (US)
STAR	DELRO	1, 2, 3, 4	1	IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)		3	IAD	WASHINGTON	DC (US)
STAR	LEGGO (RNAV)		3	IAD	WASHINGTON	DC (US)
STAR	SELINGSGROVE	1, 2, 3, 4, 5	1	IAD	WASHINGTON	DC (US)
STAR	PRTZL (RNAV)		3	CJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)		3	CJR	CULPEPER	VA (US)
STAR	PRTZL (RNAV)		3	EZF	FREDERICKSBURG	VA (US)
STAR	HYPER (RNAV)		3	EZF	FREDERICKSBURG	VA (US)
STAR	PRTZL (RNAV)		3	FRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)		3	FRR	FRONT ROYAL	VA (US)
STAR	PRTZL (RNAV)		3	JYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)		3	JYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)		3	NYG	QUANTICO	VA (US)
STAR	PRTZL (RNAV)		3	NYG	QUANTICO	VA (US)
STAR	HYPER (RNAV)		3	RMN	STAFFORD	VA (US)
STAR	PRTZL (RNAV)		3	RMN	STAFFORD	VA (US)
STAR	PRTZL (RNAV)		3	HWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)		3	HWY	WARRENTON	VA (US)

QUALITY
 14
 CHECKED

STAR	HYPER (RNAV)	3	OKV	WINCHESTER	VA (US)
STAR	PRTZL (RNAV)	3	OKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)	3	MRB	MARTINSBURG	WV (US)
STAR	PRTZL (RNAV)	3	MRB	MARTINSBURG	WV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 07/09/2026

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: CHANGED FAC 4 (FDK) CLASS FROM H TO L.
2. HOLDING: UPDATED PAT 1 MIN TEMPLATE FROM 8 TO 7.
3. HOLDING: UPDATED PAT 1, 2 AND 3 CONTROLLING OBSTRUCTIONS; REVISED OBSTACLES ARE 1956 FT AAO, 1191 FT AAO, 1296 FT AAO RESPECTIVELY.
4. REMARKS: DELETED "LANCASTER (LRP) VOR ESV DOCUMENTED IN EXPANDED SERVICE VOLUME (ESV) SECTION."
5. REMARKS: DELETED "LANCASTER (LRP) DME ESV: R-248, 51NM, MIN ALT 4000, MAX ALTITUDE 32000."
6. FIX USE: ADDED STAR PRTZL (RNAV) AND HOLD PAT 3 TO CJR, EZF, FRR, HEF, HWY, IAD, JYO, MRB, NYG, OKV, AND RMN.
7. REQUIRED CHARTING: UPDATED FROM CONTROLLER TO CONTROLLER LOW/HIGH.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: PARNELL PRASSADA
APPROVED BY:	DATE: 06/04/2026	OFFICE: AJV-A432	NAME: CASIMIR TABAKA
SIGNATURE:			<i>Digitally signed by</i> TARA N MARTINELLI Apr 17, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: PHATT

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393642.09N/0771644.43W

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
STAR	PRTZL (RNAV)			IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			IAD	WASHINGTON	DC (US)
STAR	HYPER (RNAV)			CJR	CULPEPER	VA (US)
STAR	PRTZL (RNAV)			CJR	CULPEPER	VA (US)
STAR	HYPER (RNAV)			FRR	FRONT ROYAL	VA (US)
STAR	PRTZL (RNAV)			FRR	FRONT ROYAL	VA (US)
STAR	HYPER (RNAV)			JYO	LEESBURG	VA (US)
STAR	PRTZL (RNAV)			JYO	LEESBURG	VA (US)
STAR	HYPER (RNAV)			HWY	WARRENTON	VA (US)
STAR	PRTZL (RNAV)			HWY	WARRENTON	VA (US)
STAR	HYPER (RNAV)			OKV	WINCHESTER	VA (US)
STAR	PRTZL (RNAV)			OKV	WINCHESTER	VA (US)
STAR	HYPER (RNAV)			MRB	MARTINSBURG	WV (US)
STAR	PRTZL (RNAV)			MRB	MARTINSBURG	WV (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: COORDINATES CHANGED FROM 393429.51N/0772121.90W TO 393642.09N/0771644.43W; FIX MOVED 4.2 NM NE - FIX NAME RETAINED PER ATC REQUEST.
2. FIX USE: ADDED STAR PRTZL (RNAV) TO CJR, FRR, HWY, IAD, JYO, MRB, AND OKV.
3. FIX USE: DELETED STAR HYPER (RNAV) FROM EZF, HEF, NYG, RMN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

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TARA N MARTINELLI
Apr 17, 2026

