

RADIO FIX AND HOLDING DATA RECORD

NAME: GROTON VOR/DME

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 411949.45N/0720307.14W

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	GROTON	GON	VOR/DME	T							12000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	GON	VOR/DME	002.88	182.88	L	1		2000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	412715.00N/0720739.00W	680	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 OBSTACLE AVOIDANCE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SECTIONAL ADDED AT ATC REQUEST
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 14W/1980.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			BDL	WINDSOR LOCKS	CT (US)
DP	TAKEOFF MINIMUMS			MTP	MONTAUK	NY (US)
EN ROUTE	T216					(US)
EN ROUTE	T320					(US)
EN ROUTE	V188					(US)
EN ROUTE	V374					(US)
IAP	ILS OR LOC RWY 5			GON	GROTON/NEW LONDON	CT (US)
IAP	RNAV (GPS) RWY 23			GON	GROTON/NEW LONDON	CT (US)
IAP	RNAV (GPS) RWY 33			GON	GROTON/NEW LONDON	CT (US)
IAP	RNAV (GPS) RWY 5			GON	GROTON/NEW LONDON	CT (US)
IAP	VOR RWY 23			GON	GROTON/NEW LONDON	CT (US)
IAP	VOR RWY 5			GON	GROTON/NEW LONDON	CT (US)
IAP	VOR OR GPS-A		1	0B8	FISHERS ISLAND	NY (US)
IAP	RNAV (GPS) RWY 24			MTP	MONTAUK	NY (US)
IAP	VOR-A (ALT MA)			OQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 7			WST	WESTERLY	RI (US)
IAP	RNAV (GPS) RWY 7			WST	WESTERLY	RI (US)
STAR	CLAMY (RNAV)			ACK	NANTUCKET	MA (US)
STAR	DEEPO (RNAV)			ACK	NANTUCKET	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE: ADDED "STAR CLAMY (RNAV)."

4/29/26: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/09/26.

1. UPDATED "ASSIGNED FACILITY MAGVAR: 13W/1980." TO "ASSIGNED FACILITY MAGVAR: 14W/1980."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PROVIDENCE VOR/DME

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 414327.64N/0712546.70W

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	PROVIDENCE	PVD	VOR/DME	H						45000

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	S	PVD	VOR/DME	181.00	001.00	R	1	1900 5000	4 5
2	N	PVD	VOR/DME	344.00	164.00	R	1	3000 5000	4 5
3	N	PVD	VOR/DME	008.18	188.18	R	1	2100 6000	4 5
4	SW	PVD	VOR/DME	234.00	054.00	R	1	2000 45000	4 29
5	N		WP	344.96	164.96	R		3000 5000	5 6
6	NE		WP	056.00	236.00	R		17000 24000	17 20
7	SW	PVD	VOR/DME	234.00	054.00	R		11000 14000	9 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414039.00N/0712942.00W	542	4E
2	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
3	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
4	200	AAO	413724.00N/0713348.00W	732	4E
5	200	TOWER (44-000125)	414812.03N/0713325.98W	1049	4D
6	265	TOWER (25-000325)	415213.00N/0711743.00W	1148	4D
7	230	TOWER (44-000113)	413423.00N/0713756.00W	851	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 14W (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			BDL	WINDSOR LOCKS	CT (US)
DP	HANSCOM			BED	BEDFORD	MA (US)
DP	BEVERLY			BVY	BEVERLY	MA (US)
DP	LOGAN			BOS	BOSTON	MA (US)
DP	LAWRENCE			LWM	LAWRENCE	MA (US)
DP	NORWOOD			OWD	NORWOOD	MA (US)
EN ROUTE	T255					(US)
EN ROUTE	T287					(US)
EN ROUTE	T393					(US)
EN ROUTE	V139		4			(US)
EN ROUTE	V146					(US)
EN ROUTE	V167					(US)
EN ROUTE	V405					(US)
IAP	VOR RWY 23			GON	GROTON (NEW LONDON)	CT (US)
IAP	RNAV (GPS) RWY 23			GON	GROTON/NEW LONDON	CT (US)
IAP	ILS OR LOC RWY 15R			BOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 22L			BOS	BOSTON	MA (US)
IAP	COPTER ILS Y OR LOC Y RWY 32			FMH	FALMOUTH	MA (US)
IAP	ILS Z OR LOC Z RWY 32			FMH	FALMOUTH	MA (US)
IAP	ILS OR LOC RWY 5			EWB	NEW BEDFORD	MA (US)
IAP	LOC BC RWY 23			EWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 5			EWB	NEW BEDFORD	MA (US)
IAP	LOC RWY 35			OWD	NORWOOD	MA (US)
IAP	ILS OR LOC RWY 6			PYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 6			PYM	PLYMOUTH	MA (US)
IAP	RNAV (GPS) RWY 2			3B0	SOUTHBRIDGE	MA (US)
IAP	ILS OR LOC RWY 24			MVY	VINEYARD HAVEN	MA (US)
IAP	VOR RWY 6			MVY	VINEYARD HAVEN	MA (US)
IAP	ILS OR LOC RWY 11			ORH	WORCESTER	MA (US)
IAP	ILS RWY 11 (CAT II & III)			ORH	WORCESTER	MA (US)
IAP	LOC RWY 22			UUU	NEWPORT	RI (US)
IAP	RNAV (GPS) RWY 16		5	UUU	NEWPORT	RI (US)
IAP	VOR/DME RWY 16		2	UUU	NEWPORT	RI (US)
IAP	VOR RWY 34			OQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A		3	OQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A		1	SFZ	PAWTUCKET	RI (US)
IAP	ILS OR LOC RWY 23			PVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 34			PVD	PROVIDENCE	RI (US)
IAP	ILS OR LOC RWY 5			PVD	PROVIDENCE	RI (US)

IAP	ILS RWY 23 (SA CAT I & II)	PVD	PROVIDENCE	RI (US)
IAP	ILS RWY 5 (CAT II & III)	PVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 16	PVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5	PVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5	PVD	PROVIDENCE	RI (US)
STAR	WOONS	BOS	BOSTON	MA (US)
STAR	WOONS	1B9	MANSFIELD	MA (US)
STAR	WOONS	GHG	MARSHFIELD	MA (US)
STAR	CLAMY (RNAV)	ACK	NANTUCKET	MA (US)
STAR	WOONS	OWD	NORWOOD	MA (US)
STAR	PARCH (RNAV)	6 FRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)	6 JFK	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: 50

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX USE: ADDED "STAR CLAMY (RNAV)" AT KACK.

04/29/26: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/09/26

1. FIX USE: ADDED "EN ROUTE V146"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SANDY POINT VOR/DME STATE: RI COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 411002.77N/0713433.91W 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	SANDY POINT	SEY	VOR/DME	VL						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	E	SEY	VOR/DME	098.90	278.90	L	1	2000 17500	4 16
2	E		WP	098.90	278.90	L	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D
2	200	WINDMILL (44-020409)	410732.60N/0713027.23W	659	8D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC AIRSPACE BOUNDARIES
PAT 2 AIR TRAFFIC AIRSPACE BOUNDARIES

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SECONDARY HOLDING FOR JFK APPROACHES (PAT 1).
ASSIGNED FACILITY MAGVAR: 15W (1985).
CONTROLLER LOW PER ATC REQUEST.
CHART ON SECTIONAL PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM			BED	BEDFORD	MA (US)
DP	BEVERLY			BVY	BEVERLY	MA (US)
DP	LOGAN			BOS	BOSTON	MA (US)
DP	SSOXS (RNAV)			BOS	BOSTON	MA (US)
DP	WYLYY (RNAV)			BOS	BOSTON	MA (US)
DP	LAWRENCE			LWM	LAWRENCE	MA (US)
DP	NORWOOD			OWD	NORWOOD	MA (US)
EN ROUTE	Q220					(US)
EN ROUTE	T358					(US)
EN ROUTE	T634					(US)
EN ROUTE	V268					(US)
EN ROUTE	V34		1			(US)
EN ROUTE	V58		1			(US)
EN ROUTE	T216					RI (US)
IAP	ILS OR LOC RWY 5			GON	GROTON (NEW LONDON)	CT (US)
IAP	RNAV (GPS) RWY 33			GON	GROTON (NEW LONDON)	CT (US)
IAP	VOR RWY 5			GON	GROTON (NEW LONDON)	CT (US)
IAP	ILS OR LOC RWY 5			EWB	NEW BEDFORD	MA (US)
IAP	RNAV (GPS) RWY 6		2	MTP	MONTAUK	NY (US)
IAP	RNAV (GPS) RWY 24			MTP	MONTAUK	NY (US)
IAP	VOR/DME RWY 10			BID	BLOCK ISLAND	RI (US)
IAP	LOC RWY 22			UUU	NEWPORT	RI (US)
IAP	LOC RWY 16			OQU	NORTH KINGSTOWN	RI (US)
IAP	VOR RWY 34			OQU	NORTH KINGSTOWN	RI (US)
IAP	VOR-A			OQU	NORTH KINGSTOWN	RI (US)
IAP	LOC RWY 7			WST	WESTERLY	RI (US)
IAP	RNAV (GPS) RWY 7			WST	WESTERLY	RI (US)
STAR	CLAMY (RNAV)			ACK	NANTUCKET	MA (US)
STAR	PARCH (RNAV)			FRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)			JFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

1. FIX USE: ADDED "STAR CLAMY (RNAV)" AT KACK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: XUDAJ

STATE: RI

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413629.81N/0712449.98W

TYPE: 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	PROVIDENCE	PVD	VOR/DME	H	188.18	174.18	7.00	7.00			

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR-A			KOQU	NORTH KINGSTOWN	RI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: MOVED FIX FROM 413630.02N/0712447.34W TO 413629.81N/0712449.98W (201 FEET WEST).
2. FIX MAKE-UP FACILITIES: FAC 1 MAG BRG/TRUE BRG CHANGED FROM 187.91/173.91 TO 188.18/174.18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RAYMOND JOHNSON

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE: