

RADIO FIX AND HOLDING DATA RECORD

NAME: BLATT

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 414937.10N/0720054.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T255					(US)
EN ROUTE	T320					(US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 01/22/2026

REASON FOR REVISION:

1. TYPE: DELETED INT AND DME FROM FIX TYPE.
2. AIRSPACE DOCKET: DELETED "21-AEA-18".
3. FIX MAKE-UP FACILITIES: DELETED FAC 1 AND 2 AND ALL ASSOCIATIONS.
4. REMARKS: DELETED "NORWICH (FAC 1) AND PROVIDENCE (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM" AND "KLWM STAR GRAYM" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TODD RUSSELL

APPROVED BY:

DATE: 12/18/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON

Oct 02, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: DVANY **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 415144.56N/0721811.25W **TYPE:** WP, 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	HARTFORD	HFD	VOR/DME	L	052.50	039.50	17.22	17.22	3000	17500
2	BARNES	BAF	VORTAC	VL	148.06	134.06	25.77	25.77	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 MIN	ALTITUDES MAX	TEMPLATES MIN MAX
1	SE		WP	137.13	317.13	L	4	2500	5000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	415312.00N/0722254.00W	1191	4E
1	310	AAO	415715.00N/0721239.00W	1391	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 AIR TRAFFIC FACILITY BOUNDARIES

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

HARTFORD (FAC 1) USED TO ESTABLISH FIX COORDINATES.
CHART ON SECTIONAL - ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HARTFORD (FAC 1) AND BARNES (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T303					(US)
EN ROUTE	T315					(US)
EN ROUTE	V1	1				(US)
IAP	RNAV (GPS) RWY 9		1	KIJD	WILLIMANTIC	CT (US)
IAP	RNAV (GPS) RWY 2			3B0	SOUTHBRIDGE	MA (US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 01/22/2026

REASON FOR REVISION:

- TYPE: DELETE INT FROM FIX TYPE.
- AIRSPACE DOCKET: DELETED "23-AEA-10".
- FIX MAKE-UP FACILITIES: DELETED FAC 2 AND ALL ASSOCIATIONS.
- FIX MAKE-UP FACILITIES: ADDED BARNES VORTAC FOR V1 MEA BREAK.
- FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM" AND "KLWM STAR GRAYM" FROM FIX USE.

12/03/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/02/2025.
FIX MAKE-UP FACILITY 2 CHANGED MAG/TRUE BRG FROM 157.06/143.06 TO 148.06/134.06.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 **NAME:** TODD RUSSELL
APPROVED BY: **DATE:** 12/18/2025 **OFFICE:** AJV-A433 **NAME:** ROBERT HAMILTON
SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Oct 02, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: GARDNER VOR/DME STATE: MA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 423245.32N/0720329.48W 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	MRA	MAA
							NM	FEET		
1	GARDNER	GDM	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 TIME	LENGTH DME	HOLDING ALTITUDES	TEMPLATES	
									MIN MAX	MIN MAX	
1	NW	GDM	VOR/DME	298.00	118.00	L	1		4000	17500	4 16
2	W	GDM	VOR/DME	276.81	096.81	R	1		3300	6000	4 13
3	SW		WP	202.91	022.91	R		4	3000	6000	5 6
4	E	GDM	VOR/DME	112.13	292.13	R	1		3500	6000	4 13

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	423245.00N/0721018.00W	1595	4E
2	200	AAO	423245.00N/0721018.00W	1595	4E
2	310	AAO	422921.00N/0715315.00W	2205	4B
3	200	AAO	423057.00N/0720248.00W	1569	4E
4	200	AAO	422930.03N/0715323.30W	2130	2C
4	310	AAO	422921.15N/0715311.99W	2200	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR-A	KGDM	GARDNER	MA (US)
4	VOR-A	KORE	ORANGE	MA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAGVAR: W14/1970.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRADLEY			KBDL	WINDSOR LOCKS	CT (US)
DP	TAKEOFF MINIMUMS			KAFN	JAFFREY	NH (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKER			KPSM	PORTSMOUTH	NH (US)
DP	ALBANY			KALB	ALBANY	NY (US)
EN ROUTE	Q935					(US)
EN ROUTE	T314					(US)
EN ROUTE	T315					(US)
EN ROUTE	T320					(US)
EN ROUTE	T393					(US)
EN ROUTE	T608					(US)
EN ROUTE	V431					(US)
IAP	ILS OR LOC RWY 11			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 29			KBED	BEDFORD	MA (US)
IAP	ILS OR LOC RWY 15R			KBOS	BOSTON	MA (US)
IAP	ILS OR LOC RWY 27			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 15R			KBOS	BOSTON	MA (US)
IAP	RNAV (GPS) RWY 14			KFIT	FITCHBURG	MA (US)
IAP	VOR-A		2	KGDM	GARDNER	MA (US)
IAP	LOC RWY 35			KOWD	NORWOOD	MA (US)
IAP	VOR-A		4	KORE	ORANGE	MA (US)
IAP	RNAV (GPS) RWY 21			6B6	STOW	MA (US)
IAP	ILS OR LOC RWY 20			KBAF	WESTFIELD/SPRINGFIELD	MA (US)
IAP	ILS OR LOC RWY 11			KORH	WORCESTER	MA (US)
IAP	ILS OR LOC RWY 29			KORH	WORCESTER	MA (US)
IAP	ILS RWY 11 (CAT II & III)			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS) RWY 33			KORH	WORCESTER	MA (US)
IAP	VOR/DME RWY 33			KORH	WORCESTER	MA (US)
IAP	RNAV (GPS)- B		3	KAFN	JAFFREY	NH (US)
IAP	ILS OR LOC RWY 2			KEEN	KEENE	NH (US)
IAP	ILS OR LOC RWY 6			KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 14			KASH	NASHUA	NH (US)
OTHER	ATC COORDINATION FIX		1			(US)



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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 39

DATE OF REVISION: 01/22/2026

REASON FOR REVISION:

1. FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM", "KLWM STAR GRAYM" AND "KAFN IAP VOR-A" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TODD RUSSELL

APPROVED BY:

DATE: 12/18/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Oct 02, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: GRAYM **STATE:** MA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 420604.27N/0720153.49W **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	BOSTON	BOS	VOR/DME	VH	268.04	252.04	48.92	48.92		4000	17500
2	GARDNER	GDM	VOR/DME	VL	191.44	177.44	26.70	26.70		3000	17500
3	HARTFORD	HFD	VOR/DME	L	052.79	039.79	36.00	36.00		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BOS	VOR/DME	R-268	49	4000	5100

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	N	GDM	VOR/DME	191.44	191.44	R	1	3000 5000	6 7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (25-000212)	421128.98N/0715857.68W	1559	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 BOSTON (FAC 1) AND GARDNER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T303					(US)
EN ROUTE	T320					(US)
EN ROUTE	V1	2, 3				(US)
IAP	RNAV (GPS)-A			1B6	HOPEDALE	MA (US)
IAP	RNAV (GPS) RWY 33			KORH	WORCESTER	MA (US)
IAP	VOR/DME RWY 33	2, 3	1	KORH	WORCESTER	MA (US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 01/22/2026

REASON FOR REVISION:

- FIX MAKE-UP FACILITIES: DELETED FAC 4 NORWICH VOR/DME AND ALL ASSOCIATIONS.
- CONTROLLING OBSTRUCTIONS: UPDATED ELEVATION FROM "1560" TO "1559".
- FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM" AND "KLWM STAR GRAYM" FROM FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 **NAME:** TODD RUSSELL

APPROVED BY: **DATE:** 12/18/2025 **OFFICE:** AJV-A433 **NAME:** ROBERT HAMILTON

SIGNATURE: *Digitally signed by*
ROBERT G HAMILTON
 Oct 02, 2025



INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TODD RUSSELL

APPROVED BY:

DATE: 12/18/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Oct 02, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: MOGUL **STATE:** CT **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 414322.76N/0720032.87W **TYPE:** WP

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

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

REMARKS:
CHART ON SECTIONAL - ATC REQUEST.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	T320					(US)
EN ROUTE						
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 01/22/2026

REASON FOR REVISION:
1. TYPE: DELETED INT AND DME FROM FIX TYPE.
2. AIRSPACE DOCKET: DELETED 21-AEA-18".
3. FIX MAKE-UP FACILITIES: DELETED FAC 1 AND FAC 2 FROM MAKE-UP.
4. FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM" AND "KLWM STAR GRAYM" FROM FIX USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A433	NAME: TODD RUSSELL
APPROVED BY:	DATE: 12/18/2025	OFFICE: AJV-A433	NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Oct 02, 2025



RECORD REVISION NUMBER: 30

DATE OF REVISION: 01/22/2026

REASON FOR REVISION:

1. FIX USE: DELETED "KBOS STAR NORWICH", "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM", "KLWM STAR GRAYM", "KACK STAR NEWBE", "KOQU IAP VOR RWY 34" AND "KOQU IAP ILS OR LOC RWY 16" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TODD RUSSELL

APPROVED BY:

DATE: 12/18/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

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ROBERT G HAMILTON
Oct 02, 2025



IAP	ILS RWY 5 (CAT II & III)	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 16	KPVD	PROVIDENCE	RI (US)
IAP	RNAV (GPS) RWY 5	KPVD	PROVIDENCE	RI (US)
IAP	VOR RWY 5	KPVD	PROVIDENCE	RI (US)
STAR	WOONS	KBOS	BOSTON	MA (US)
STAR	WOONS	1B9	MANSFIELD	MA (US)
STAR	WOONS	KGHG	MARSHFIELD	MA (US)
STAR	WOONS	KOWD	NORWOOD	MA (US)
STAR	PARCH (RNAV)	6	KFRG	FARMINGDALE
STAR	PARCH (RNAV)	6	KJFK	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: 49 **DATE OF REVISION:** 01/22/2026

REASON FOR REVISION:

1. FIX USE: DELETED "KBOS STAR NORWICH", "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM", "KLWM STAR GRAYM", "KACK STAR NEWBE" AND "KOQU IAP ILS OR LOC RWY 16" FROM FIX USE.

9/30/25: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/24/25.

1. HOLDING PATTERNS: UPDATED PAT 3 RAD/CRS/BRG AND CRS INBOUND FROM "007.91/187.91" TO "008.18/188.18".

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A433	NAME: TODD RUSSELL
APPROVED BY:	DATE: 12/18/2025	OFFICE: AJV-A433	NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Oct 02, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: WIPOR

STATE: CT

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 413923.07N/0721037.67W

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
EN ROUTE	T300					(US)
STAR	DREEM (RNAV)			KBED	BEDFORD	MA (US)
STAR	DREEM (RNAV)			KBVY	BEVERLY	MA (US)
STAR	DREEM (RNAV)			KLWM	LAWRENCE	MA (US)
STAR	WIPOR (RNAV)			KEWB	NEW BEDFORD	MA (US)
STAR	WIPOR (RNAV)			KPYM	PLYMOUTH	MA (US)
STAR	WIPOR (RNAV)			KTAN	TAUNTON	MA (US)
STAR	NELIE (RNAV)			KISP	NEW YORK	NY (US)
STAR	NELIE (RNAV)			KFOK	WESTHAMPTON BEACH	NY (US)
STAR	WIPOR (RNAV)			KUUU	NEWPORT	RI (US)
STAR	WIPOR (RNAV)			KOQU	NORTH KINGSTOWN	RI (US)
STAR	WIPOR (RNAV)			KSFZ	PAWTUCKET	RI (US)
STAR	WIPOR (RNAV)			KPVD	PROVIDENCE	RI (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/22/2026

REASON FOR REVISION:

1. TYPE: DELETED INT AND DME FROM FIX TYPE.
2. AIRSPACE DOCKET: DELETED 21-AEA-5".
3. FIX MAKE-UP FACILITIES: DELETED FAC 1 AND FAC 2 FROM MAKE-UP.
4. REMARKS: DELETED NORWICH (FAC 1) AND HARTFORD (FAC 2) USE TO ESTABLISH FIX COORDINATES.
5. FIX USE: DELETED "KBED STAR GRAYM", "KBVY STAR GRAYM", "KFIT STAR GRAYM" AND "KLWM STAR GRAYM" AND "KISP STAR PONEE" FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TODD RUSSELL

APPROVED BY:

DATE: 12/18/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

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