

RADIO FIX AND HOLDING DATA RECORD

NAME: BRYSL

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424818.04N/0711443.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 14

FAC

PAT

AIRPORT IDENT
KLWM

CITY
LAWRENCE

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/14/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 10, 2022

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARED

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425553.75N/0711118.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 14

FAC

PAT

AIRPORT IDENT
KLWM

CITY
LAWRENCE

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/14/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 10, 2022

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KHRIS

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425701.09N/0711535.56W

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	CONCORD	CON	VOR/DME	L	154.25	139.25	21.30	21.30	2600	17500
2	MANCHESTER	MHT	VOR/DME	L	059.55	044.55		6.89	2600	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	NW		WP	334.25	154.25	R		4	3000	5000	5	6
2	NW	CON	VOR/DME	154.25	154.25	R	1		3000	5000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (33-000026)	430349.00N/0711847.00W	1060	4D
1	310	AAO	425927.00N/0713618.00W	1529	4E
2	200	TOWER (33-000026)	430349.00N/0711847.00W	1060	4D
2	310	AAO	425927.00N/0713618.00W	1529	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 6	KMHT	MANCHESTER	NH (US)
2	ILS OR LOC RWY 6	KMHT	MANCHESTER	NH (US)

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T314					(US)
IAP	RNAV (GPS) RWY 14			KLWM	LAWRENCE	MA (US)
IAP	ILS OR LOC RWY 6	1, 2	2	KMHT	MANCHESTER	NH (US)
IAP	RNAV (GPS) RWY 6		1	KMHT	MANCHESTER	NH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

1. ADDED KLWM RNAV (GPS) RWY14 TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 10, 2022

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MSAAD

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 424527.48N/0711236.54W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 14

FAC

PAT

AIRPORT IDENT
KLWM

CITY
LAWRENCE

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/14/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 10, 2022

QUALITY
10
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROUAN

STATE: NH

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 425221.94N/0711642.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 14

FAC

PAT

AIRPORT IDENT
KLWM

CITY
LAWRENCE

STATE
MA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/14/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by
JASON KRETSCHMER
May 10, 2022



RADIO FIX AND HOLDING DATA RECORD

NAME: WITCH STATE: MA COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 424059.84N/0705246.34W TYPE: WP, 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	BOSTON	BOS	VOR/DME	H	029.99	013.99	20.14	20.14		2000	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	BOS	VOR/DME	029.99	209.99	R	1	2000 17500	4 21
2	S		WP	201.00	021.00	L	4	2000 6000	4 12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	424218.00N/0705333.00W	499	4E
1	310	TOWER (25-000108)	424225.00N/0710052.00W	592	4D
2	200	AAO	424218.00N/0705333.00W	499	4E
2	310	TOWER (25-000575)	423153.72N/0705910.41W	686	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 BOS APP CON

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 16	KBVY	BEVERLY	MA (US)
2	RNAV (GPS) RWY 05	KLWM	LAWRENCE	MA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ATC REQUESTS CHARTING ON ENROUTE/CONTROLLER LOW AND SECTIONAL CHART.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
IAP	LOC RWY 16	1	1	KBVY	BEVERLY	MA (US)
IAP	ILS OR LOC RWY 05		2	KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 05		2	KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 14		2	KLWM	LAWRENCE	MA (US)
IAP	RNAV (GPS) RWY 32		2	KLWM	LAWRENCE	MA (US)
OTHER	ATC COORDINATION FIX	1				(US)

REQUIRED CHARTING: SECTIONAL, VFR TERMINAL AREA, DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

1. ADDED KLWM RNAV (GPS) RWY 14 TO FIX USE.
 2. ADDED KLWM RNAV (GPS) RWY 32 TO FIX USE.
 3. UPDATED PAT 200 KIAS CONTROLLING OBSTACLE FROM "AAO 424218.00N/0705235.00W 499 4E" TO "AAO 424218.00N/0705333.00W 499 4E".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

JASON KRETSCHMER

May 10, 2022

QUALITY
10
CHECKED