

RADIO FIX AND HOLDING DATA RECORD

NAME: AUGUSTA VOR/DME STATE: ME COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 441912.07N/0694747.63W TYPE:

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	MRA FEET	MAA
1	AUGUSTA	AUG	VOR/DME	L						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	N	AUG	VOR/DME	346.00	166.00	R	1-1 1/2	2300 17500	4 16
2	SW	AUG	VOR/DME	219.88	039.88	R	1	3000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	442604.04N/0695537.29W	939	2C
2	200	AAO	441857.00N/0695000.00W	752	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 18 DEGREES WEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			KOWK	NORRIDGEWOCK	ME (US)
DP	CASCO			KPWM	PORTLAND	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
EN ROUTE	V268					(US)
EN ROUTE	V3					(US)
EN ROUTE	V3-39					(US)
EN ROUTE	V302					(US)
EN ROUTE	V39					(US)
IAP	ILS OR LOC RWY 4			KLEW	AUBURN/LEWISTON	ME (US)
IAP	VOR/DME-A			KLEW	AUBURN/LEWISTON	ME (US)
IAP	ILS OR LOC RWY 17			KAUG	AUGUSTA	ME (US)
IAP	VOR RWY 35		1	KAUG	AUGUSTA	ME (US)
IAP	VOR/DME-A		1	KAUG	AUGUSTA	ME (US)
IAP	NDB RWY 15			KBST	BELFAST	ME (US)
IAP	RNAV (GPS) RWY 33			KBST	BELFAST	ME (US)
IAP	ILS OR LOC RWY 1R			KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 16			K1B0	DEXTER	ME (US)
IAP	RNAV (GPS) RWY 15			KOWK	NORRIDGEWOCK	ME (US)
IAP	VOR/DME RWY 3			KOWK	NORRIDGEWOCK	ME (US)
IAP	NDB RWY 36			K2B7	PITTSFIELD	ME (US)
IAP	RNAV (GPS) RWY 36			K2B7	PITTSFIELD	ME (US)
IAP	ILS OR LOC RWY 29			KPWM	PORTLAND	ME (US)
IAP	ILS RWY 29 (SA CAT I-II)			KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 29			KPWM	PORTLAND	ME (US)
IAP	NDB-A			K8B0	RANGELEY	ME (US)
IAP	RNAV (GPS) -D			K8B0	RANGELEY	ME (US)
IAP	NDB-B			KM57	RANGELEY	ME (US)
IAP	RNAV (GPS)-C			KM57	RANGELEY	ME (US)
IAP	ILS OR LOC RWY 13			KRKD	ROCKLAND	ME (US)
IAP	ILS OR LOC/DME RWY 5		1	KWVL	WATERVILLE	ME (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

UPDATED FIX USE: REMOVED KWVL VOR/DME RWY 5, REMOVED KAUG VOR/DME RWY 17 AND VOR/DME RWY 8.
 REMOVED ESV INFO FOR R-330 AT 51 DME.

DEVELOPED BY: DATE: 04/21/2016 OFFICE: AJV-5413 NAME: ANDI LAU

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

QUALITY
4
CHECKED

SIGNATURE:**DISTRIBUTION:**

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PWM APP CON, PWM ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BAILI STATE: ME COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 434114.84N/0695443.21W 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 FAC NM	MRA	MAA
1	BRUNSWICK	I-BXM	LOC/DME		191.84	174.84	13.22	13.22	2000	4500
2	KENNEBUNK	ENE	VOR/DME	H	079.60	062.60		34.40	2000	17500
3	AUGUSTA	AUG	VOR/DME	L	205.54	187.54		38.28	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	HOLDING ALTITUDES MIN DME	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	192.86	012.86	R		4	2000	6000	4
2	S	I-BXM	LOC/DME	191.84	011.84	R	1		2000	4500	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	434309.00N/0695033.00W	371	3E
2	200	AAO	434436.00N/0694933.00W	404	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING PAT 1 - IPDS DERIVED ACCURACY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1, 2, 3	2	KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 19L		1	KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 1R		1	KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 36			KPWM	PORTLAND	ME (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

UPDATED HOLDING PATTERN 2 MAX TEMPLATE FROM 6 TO 7.

DEVELOPED BY: DATE: 04/21/2016 OFFICE: AJV-5413 NAME: ANDI LAU

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
 FPO: EST
 ARTCC: ZBW
 ATC FACILITY: PWM APP CON
 OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARMR

STATE: ME

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 434755.32N/0695532.94W

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 NM	FAC FEET	MRA	MAA
1	BRUNSWICK	I-BXM	LOC/DME		191.84	174.84	6.52	6.52	39588	1700	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 1R			KBXM	BRUNSWICK	ME (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

FAC 1 DISTANCE FROM FACILITY CHANGED FROM 39589 FEET TO 39588 FEET.

DEVELOPED BY: DATE: 04/21/2016

OFFICE: AJV-5413

NAME: ANDI LAU

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PWM APP CON
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GINNI

STATE: ME

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 435444.78N/0694007.77W

TYPE: 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	AUGUSTA	AUG	VOR/DME	L	185.23	167.23	25.07	25.07		3000	17500
2	KENNEBUNK	ENE	VOR/DME	H	071.31	054.31		50.45		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENE	VOR/DME	R-071	51	3000	14700

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	S	AUG	VOR/DME	185.23	005.23	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	435712.00N/0693618.00W	571	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1, 2	1	KBXM	BRUNSWICK	ME (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

KENNEBUNK (ENE) CHANGED FROM VORTAC TO VOR/DME.
CHANGED HOLDING PATTERN MAX TEMPLATE FROM 6 TO 7.

DEVELOPED BY: DATE: 04/22/2016 OFFICE: AJV-5413 NAME: ANDI LAU

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PWM APP CON
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KENNEBUNK VOR/DME

STATE: ME

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 432532.42N/0703648.69W

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	KENNEBUNK	ENE	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	NE	ENE	VOR/DME	062.00	242.00	L	1-1 1/2	3000 17500	4 16
2	E	ENE	VOR/DME	082.00	262.00	L	1	2400 6000	4 12
3	W	ENE	VOR/DME	267.54	087.54	R	1	2400 6000	4 5
4	E	ENE	VOR/DME	081.00	261.00	L	1	2000 6000	4 5
5	NE	ENE	VOR/DME	044.00	224.00	L	1 1/2	24000 39000	19 27
6	NE		WP	044.00	224.00	L		17000 45000	30 30
7	NE		WP	062.00	242.00	L		3000 6000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	432218.00N/0704009.00W	578	4E
2	200	AAO	432218.00N/0704009.00W	578	4E
2	310	AAO	432303.00N/0704709.00W	1126	4E
3	200	AAO	432303.00N/0704709.00W	1126	4E
4	200	AAO	432218.00N/0704009.00W	578	4E
6	265	TOWER (23-000419)	435044.24N/0704540.76W	2549	2C
7	200	AAO	432218.00N/0704009.00W	578	4E
7	310	AAO	432748.00N/0704436.00W	804	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 5 ATC REQUEST
PAT 4 ATC REQUEST
PAT 6 ATC REQUEST
PAT 7 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 7	KSFM	SANFORD	ME (US)
7	RNAV (GPS) RWY 32	KSFM	SANFORD	ME (US)
7	RNAV (GPS) RWY 6	KB19	BIDDEFORD	ME (US)
7	RNAV (GPS) RWY 7	KSFM	SANFORD	ME (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 6 MAG VAR JFK 14W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HANSCOM			KBED	BEDFORD	MA (US)
DP	BEVERLY			KBVY	BEVERLY	MA (US)
DP	LOGAN			KBOS	BOSTON	MA (US)
DP	LAWRENCE			KLWM	LAWRENCE	MA (US)
DP	NORWOOD			KOWD	NORWOOD	MA (US)
DP	BANGOR			KBGR	BANGOR	ME (US)
DP	PORTLAND			KPWM	PORTLAND	ME (US)
DP	MANCHESTER			KMHT	MANCHESTER	NH (US)
DP	PEASE			KPSM	PORTSMOUTH	NH (US)
DP	TANKR			KPSM	PORTSMOUTH	NH (US)
DP	BETTE			KJFK	NEW YORK	NY (US)
DP	GREKI			KJFK	NEW YORK	NY (US)
DP	HAPIE			KJFK	NEW YORK	NY (US)
DP	MERIT			KJFK	NEW YORK	NY (US)
EN ROUTE	J121					(US)
EN ROUTE	J55					(US)
EN ROUTE	J573					(US)
EN ROUTE	Q480					(US)
EN ROUTE	Q822					(US)
EN ROUTE	T295					(US)

QUALITY
4
CHECKED

EN ROUTE	V106				(US)
EN ROUTE	V139				(US)
EN ROUTE	V167				(US)
EN ROUTE	V496				(US)
EN ROUTE	V93	1			(US)
IAP	ILS OR LOC RWY 4		KLEW	AUBURN/LEWISTON	ME (US)
IAP	RNAV (GPS) RWY 6	7	KB19	BIDDEFORD	ME (US)
IAP	VOR RWY 6	3	KB19	BIDDEFORD	ME (US)
IAP	ILS OR LOC RWY 1R		KBXM	BRUNSWICK	ME (US)
IAP	ILS OR LOC RWY 11	2	KPWM	PORTLAND	ME (US)
IAP	ILS OR LOC RWY 29	2	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 11 (CAT II - III)	2	KPWM	PORTLAND	ME (US)
IAP	ILS RWY 29 (SA CAT I)	2	KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 11		KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 29		KPWM	PORTLAND	ME (US)
IAP	RNAV (GPS) RWY 36		KPWM	PORTLAND	ME (US)
IAP	ILS OR LOC RWY 13		KRKD	ROCKLAND	ME (US)
IAP	RNAV (GPS) RWY 31		KRKD	ROCKLAND	ME (US)
IAP	ILS OR LOC RWY 7	2	KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 32	7	KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 7	7	KSFM	SANFORD	ME (US)
IAP	VOR RWY 25	4	KSFM	SANFORD	ME (US)
IAP	RNAV (GPS) RWY 24		KMHT	MANCHESTER	NH (US)
IAP	ILS OR LOC RWY 16		KPSM	PORTSMOUTH	NH (US)
IAP	ILS OR LOC RWY 34		KPSM	PORTSMOUTH	NH (US)
IAP	VOR RWY 16		KPSM	PORTSMOUTH	NH (US)
IAP	NDB RWY 33		KDAW	ROCHESTER	NH (US)
IAP	RNAV(GPS) RWY 33		KDAW	ROCHESTER	NH (US)
STAR	OOSHN (RNAV)	6	KBOS	BOSTON	MA (US)
STAR	PARCH (RNAV)	6	KFRG	FARMINGDALE	NY (US)
STAR	ROBER	5	KFRG	FARMINGDALE	NY (US)
STAR	PARCH (RNAV)	6	KJFK	NEW YORK	NY (US)
STAR	ROBER	5	KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 32

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

UPDATED FIX USE: CHANGED KBXM ILS OR LOC/DME RWY 1R TO ILS OR LOC RWY 1R.

DEVELOPED BY: **DATE:** 06/27/2016

OFFICE: AJV-5413

NAME: ANDI LAU

APPROVED BY: **DATE:**

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZBW
ATC FACILITY: PWM APP CON
OTHER: IZG AMGR

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZETGU

STATE: ME

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 435024.04N/0695551.47W

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 NM	FAC FEET	MRA	MAA
1	BRUNSWICK	I-BXM	LOC/DME		191.84	174.84	4.03	4.03		800	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KBXM	BRUNSWICK	ME (US)
IAP	RNAV (GPS) RWY 1R			KBXM	BRUNSWICK	ME (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

UPDATED FIX USE: KBXM ILS OR LOC/DME RWY 1R CHANGED TO ILS OR LOC RWY 1R.

DEVELOPED BY: DATE: 06/27/2016

OFFICE: AJV-5413

NAME: ANDI LAU

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZBW
ATC FACILITY: PWM APP CON
OTHER:

QUALITY
4
CHECKED