

RADIO FIX AND HOLDING DATA RECORD

NAME: BAMBY **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 423239.22N/0840420.23W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 16-AGL-2 **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	SALEM	SVM	VORTAC	L	294.11	291.11	22.74	22.73		2900	17500
2	JACKSON	JXN	VOR/DME	L	050.00	045.00		24.23		2900	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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW	SVM	VORTAC	294.09	114.09	R	1		2900	4000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (26-001128)	423212.00N/0841645.00W	1401	5D
1	200	TOWER (26-001128)	423212.00N/0841645.00W	1401	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 13 (ALTERNATE MISSED APPROACH)	1, 2	1	KOZW	HOWELL	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

REMOVED V2 AND V26 FROM FIX USE
 ADDED WP TO FIX TYPE
 FAC 1 MAG/TRUE BRG CHANGED FROM 294.09/291.09 TO 294.11/291.11
 FAC 1 DME AND DIST FROM FAC CHANGED FROM 22.73 TO 22.74

DEVELOPED BY: **DATE:** 11/20/2017 **OFFICE:** AJV-5412 **NAME:** ROSE BOONE

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

Digitally signed by

SIGNATURE: JULIE A MORGAN

Mar 16, 2018

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY: DTW APP CON
 OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: BUFFALO VOR/DME **STATE:** NY **COUNTRY:** US **ICAO REGION CODE:** K6
LATITUDE/LONGITUDE: 425544.39N/0783846.83W **TYPE:**
AIRSPACE DOCKET: 16-AGL-2 **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	BUFFALO	BUF	VOR/DME	H							45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (36-000139)	423814.00N/0783711.00W	2806	2C
UPN	265	TOWER (36-000139)	423814.00N/0783711.00W	2806	2C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 11000.

REMARKS:

PATTERN PENETRATES R-5203 048 CW 067 ABOVE FL360, 041 CW 086 ABOVE FL380, 034 CW 090 ABOVE FL400, 029 CW 097 ABOVE FL440. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUFFALO			KBUF	BUFFALO	NY (US)
DP	XEROX			KROC	ROCHESTER	NY (US)
EN ROUTE	V115					(US)
EN ROUTE	V164					(US)
EN ROUTE	V33					(US)
EN ROUTE	V36					(US)
EN ROUTE	V510					(US)
EN ROUTE	V84					(US)
IAP	RNAV (GPS) - B			K9G6	ALBION	NY (US)
IAP	RNAV (GPS) RWY 10			KGVQ	BATAVIA	NY (US)
IAP	ILS OR LOC RWY 23			KBUF	BUFFALO	NY (US)
IAP	ILS OR LOC RWY 32			KBUF	BUFFALO	NY (US)
IAP	ILS OR LOC RWY 5			KBUF	BUFFALO	NY (US)
IAP	RNAV (GPS) RWY 23			KBUF	BUFFALO	NY (US)
IAP	RNAV (GPS) RWY 32			KBUF	BUFFALO	NY (US)
IAP	RNAV (GPS) RWY 5			KBUF	BUFFALO	NY (US)
IAP	RNAV (GPS)-A			KDKK	DUNKIRK	NY (US)
IAP	RNAV (GPS) RWY 10			K5G0	LE ROY	NY (US)
IAP	RNAV (GPS) RWY 07			KROC	ROCHESTER	NY (US)
STAR	SPICA ARRIVAL			KDTW	DETROIT	MI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 05/24/2018

REASON FOR REVISION:

REMOVED V2, V43 AND V14 FROM FIX USE
CHANGED (KBUF) ILS OR LOC/DME RWY 32 TO ILS OR LOC RWY 32 IN FIX USE

DEVELOPED BY: **DATE:** 11/22/2017 **OFFICE:** AJV-5412 **NAME:** ROSE BOONE
APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE: *Digitally signed by*

JULIE A MORGAN

DISTRIBUTION: **NFDC** Mar 16, 2018
 FPO: EST
 ARTCC: ZOB
 ATC FACILITY:
 OTHER:

QUALITY
 20
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JARVS

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 424422.21N/0800734.28W

TYPE: WP

AIRSPACE DOCKET: 16-AGL-2

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

ADDED WP TO FIX TYPE

DEVELOPED BY:

DATE: 03/12/2018

OFFICE: AJV-5412

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE: *Digitally signed by*

JULIE A MORGAN

Mar 16, 2018

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY:
OTHER:

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MOAWK

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 424501.18N/0795058.08W

TYPE: WP, INT

AIRSPACE DOCKET: 16-AGL-2

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	BUFFALO	BUF	VOR/DME	H	267.00	259.00		54.18		4500	17500
2	ERIE	ERI	VORTAC	L	030.00	024.00		48.18		4500	17500
3	AYLMER	YQO	VOR/DME	H	094.39	086.39		46.00		4500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

BUFFALO (FAC 1) AND ERIE (FAC 2) USED TO ESTABLISH FIX COORDINATES
FIX IS A CANADIAN FIX IN CANADIAN AIRSPACE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 15			KDKK	DUNKIRK	NY (US)
STAR	SPICA	1, 2		KDTW	DETROIT	MI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

REMOVED V2 FROM FIX USE

DEVELOPED BY:

DATE: 11/30/2017

OFFICE: AJV-5412

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

Digitally signed by

SIGNATURE: **JULIE A MORGAN**

Mar 16, 2018

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZOB, ZYZ
ATC FACILITY: BUF APP CON
OTHER: PADC TRANSCANADA

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPICA **STATE:** **COUNTRY:** CA **ICAO REGION CODE:** CY
LATITUDE/LONGITUDE: 423030.27N/0823246.71W **TYPE:** WP, DME
AIRSPACE DOCKET: 16-AGL-2 **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	AYLMER	YQO	VOR/DME	H	269.37	261.37	74.44	74.44		4500	17500
2	DETROIT	DXO	VOR/DME	H	069.84	063.84	40.56	40.56		3000	24000
3	SALEM	SVM	VORTAC	L	085.34	082.34	46.92	46.92		4500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DXO	VOR/DME	R-070	51	3000	15100
SVM	VORTAC	R-085	47	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 TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E	DXO	VOR/DME	070.00	250.00	R	1-1 1/2	4500 24000	7 21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (CA-023476)	423009.98N/0822613.66W	984	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

SALEM (FAC 3) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SPICA	1, 2, 3	1	KDTW	DETROIT	MI (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/24/2018

REASON FOR REVISION:

REMOVED V2, V221, AND V464 FROM FIX USE
ADDED WP TO FIX TYPE

DEVELOPED BY: **DATE:** 11/30/2017 **OFFICE:** AJV-5412 **NAME:** ROSE BOONE
APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE: *Digitally signed by*
JULIE A MORGAN

DISTRIBUTION: NFDC Mar 16, 2018
 FPO: CEN
 ARTCC: ZOB
 ATC FACILITY:
 OTHER: DTW/PADD



RADIO FIX AND HOLDING DATA RECORD

NAME: SUSKE STATE: COUNTRY: CA ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 425236.72N/0790025.27W TYPE: WP

AIRSPACE DOCKET: 16-AGL-2 FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	W		WP	270.00	090.00	R	4	3000	14000	5	11	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	TOWER (CA-003021)	425535.00N/0790536.00W	994	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING ABOVE 6000 OVER CYA 513

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
IAP		RNAV (GPS) RWY 32		1	KBUF	BUFFALO	NY (US)
IAP		RNAV (RNP) Z RWY 23			KBUF	BUFFALO	NY (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 DATE OF REVISION: 05/24/2018

REASON FOR REVISION:
REMOVED:
DME FROM FIX TYPE
V2-V43 FROM FIX USE
FAC 1 (BUF)

DEVELOPED BY: DATE: 11/30/2017 OFFICE: AJV-5412 NAME: ROSE BOONE

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN

Digitally signed by
SIGNATURE: JULIE A MORGAN

Mar 16, 2018

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: BUF APP CON
OTHER: NAV CANADA

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VICCU

STATE:

COUNTRY: CA

ICAO REGION CODE: CY

LATITUDE/LONGITUDE: 425202.35N/0790419.90W

TYPE: WP

AIRSPACE DOCKET: 16-AGL-2

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) Y RWY 5

FAC

PAT

AIRPORT IDENT
KBUF

CITY
BUFFALO

STATE
NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

REMOVED:

V2 & V43 FROM FIX USE

FAC 1 (BUF)

DME FROM FIX TYPE

DEVELOPED BY:

DATE: 11/30/2017

OFFICE: AJV-5412

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

Digitally signed by
SIGNATURE: **JULIE A MORGAN**

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: BUF APP CON
OTHER: NAV CANADA

Mar 16, 2018

