

RADIO FIX AND HOLDING DATA RECORD

NAME: BGHRT

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 403900.00N/0875600.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX USE: DELETED DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jan 26, 2024

QUALITY
8
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JWELS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 414156.62N/0834723.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. REMOVED FIX USE DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Jan 26, 2024

QUALITY
8
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KNRKO

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 405305.22N/0855336.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX USE: DELETED DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

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Jan 26, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: REEDA

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 410608.57N/0843822.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX USE: REMOVED DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

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OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

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Jan 26, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: SEABS

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 405928.30N/0851727.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX USE: REMOVED DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

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CASIMIR L TABAKA

Jan 26, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: SNDRS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411459.96N/0840854.44W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. REMOVED FIX USE DP SNDRS AT CYQG

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jan 26, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: TORRR

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 404429.77N/0842458.89W

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	MRA	MAA
1	DAYTON	DQN	VOR/DME	L	359.83	358.83	43.49	43.49	10000	23000
2	FORT WAYNE	FWA	VORTAC	VH	117.81	111.81	37.91	37.91	6000	45000
3	FORT WAYNE	FWA	VORTAC	VH	117.81	111.81	37.91	37.91	6000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DQN	VOR/DME	R-360	44	10000	23000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT WAYNE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDRS (RNAV)			KARB	ANN ARBOR	MI (US)
DP	SNDRS (RNAV)			KDET	DETROIT	MI (US)
DP	SNDRS (RNAV)			KDTW	DETROIT	MI (US)
DP	SNDRS (RNAV)			KYIP	DETROIT	MI (US)
DP	SNDRS (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
DP	SNDRS (RNAV)			KOZW	HOWELL	MI (US)
DP	SNDRS (RNAV)			KTTF	MONROE	MI (US)
DP	SNDRS (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
DP	SNDRS (RNAV)			KPTK	PONTIAC	MI (US)
DP	SNDRS (RNAV)			KVLL	TROY	MI (US)
EN ROUTE	J178	1, 2				(US)
EN ROUTE	V144	1, 2				(US)
STAR	PETTE (RNAV)			CYQG	ONTARIO, CANADA	(CA)
STAR	PETTE (RNAV)			KARB	ANN ARBOR	MI (US)
STAR	PETTE (RNAV)			KDET	DETROIT	MI (US)
STAR	HANBL (RNAV)			KDTW	DETROIT	MI (US)
STAR	LECTR (RNAV)			KDTW	DETROIT	MI (US)
STAR	PETTE (RNAV)			KYIP	DETROIT	MI (US)
STAR	PETTE (RNAV)			KONZ	DETROIT/GROSSE ILE	MI (US)
STAR	PETTE (RNAV)			KOZW	HOWELL	MI (US)
STAR	PETTE (RNAV)			KTTF	MONROE	MI (US)
STAR	PETTE (RNAV)			KMTC	MOUNT CLEMENS	MI (US)
STAR	PETTE (RNAV)			KPTK	PONTIAC	MI (US)
STAR	PETTE (RNAV)			KVLL	TROY	MI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 2 CHANGED CLASS FROM H TO VH.
2. FIX USE: REMOVED DP SNDRS AT CYQG
3. FIX USE: ADDED FAC 1 TO EN ROUTE J178 AND V144
3. REMARKS: REMOVED UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 10000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

APPROVED BY:

DATE: 11/13/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Jan 26, 2024

