

RADIO FIX AND HOLDING DATA RECORD

NAME: CARLETON VOR/DME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420252.90N/0832727.26W

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	MRA FEET	MAA
1	CARLETON	CRL	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	W	CRL	VOR/DME	260.00	080.00	R	1	2400 6000	4 5
2	S	CRL	VOR/DME	196.00	016.00	R	1	4000 6000	4 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
2	200	TOWER (26-003174)	420358.25N/0832337.21W	1017	1B
2	310	STACK (26-000438)	415327.00N/0832043.00W	1386	5D
UPN	200	TOWER (26-002207)	420108.16N/0831422.74W	1079	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 27L	KDTW	DETROIT	MI (US)
2	ILS RWY 27L (SA CAT I & II)	KDTW	DETROIT	MI (US)
2	ILS OR LOC RWY 21L	KDTW	DETROIT	MI (US)
2	ILS RWY 21L (SA CAT I & II)	KDTW	DETROIT	MI (US)
2	ILS OR LOC RWY 22L	KDTW	DETROIT	MI (US)
2	ILS RWY 22L (SA CAT I)	KDTW	DETROIT	MI (US)
2	ILS PRM RWY 22L (CP)	KDTW	DETROIT	MI (US)

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 3W 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J190					(US)
EN ROUTE	J34					(US)
EN ROUTE	J43					(US)
EN ROUTE	J554					(US)
EN ROUTE	J584					(US)
IAP	VOR RWY 6			KARB	ANN ARBOR	MI (US)
IAP	ILS OR LOC RWY 21L		2	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 22L		2	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 27L		2	KDTW	DETROIT	MI (US)
IAP	ILS PRM RWY 22L (CP)		2	KDTW	DETROIT	MI (US)
IAP	ILS RWY 21L (SA CAT I & II)		2	KDTW	DETROIT	MI (US)
IAP	ILS RWY 22L (SA CAT I)		2	KDTW	DETROIT	MI (US)
IAP	ILS RWY 27L (SA CAT I & II)		2	KDTW	DETROIT	MI (US)
IAP	ILS OR LOC RWY 5R			KYIP	DETROIT	MI (US)
IAP	RNAV (GPS) RWY 23R			KYIP	DETROIT	MI (US)
IAP	NDB RWY 4			KONZ	DETROIT/GROSSE ILE	MI (US)
IAP	VOR-A		1	KONZ	DETROIT/GROSSE ILE	MI (US)
IAP	HI-ILS OR LOC RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-ILS OR LOC RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7			KTOL	TOLEDO	OH (US)
IAP	RNAV (GPS) RWY 25			KTOL	TOLEDO	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED KDTW ILS PRM Y RWY 22R, ILS PRM Y RWY 4L, ILS Y RWY 22R, ILS Z OR LOC RWY 22R, ILS Z OR LOC RWY 4L, ILS Z RWY 22R (SA CAT I & II) AND ILS Z RWY 4L (CAT II & III) FROM FIX USE.

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOHNT

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421812.54N/0834130.41W

TYPE: WP, RADAR, 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	MRA	MAA
1	DETROIT	DXO	VOR/DME	H	296.62	290.62	15.47	15.47	4000	6000
2	SALEM	SVM	VORTAC	L	217.65	214.65	7.66	7.66	4000	6000

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	NW		WP	297.62	117.62	R		4	4000	6000	5	14
2	NW	DXO	VOR/DME	116.62	116.62	R	1		4000	6000	5	6
3	W		WP	270.30	090.30	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (26-001919)	421747.00N/0835301.00W	1408	5D
1	310	TOWER (26-000991)	422225.60N/0840410.22W	1987	1A
2	200	TOWER (26-001919)	421747.00N/0835301.00W	1408	5D
3	200	TOWER (26-001919)	421747.00N/0835301.00W	1408	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (RNP) W RWY 22R	KDTW	DETROIT	MI (US)
1	RNAV (RNP) W RWY 4L	KDTW	DETROIT	MI (US)
1	RNAV (GPS) Z RWY 22R	KDTW	DETROIT	MI (US)

REMARKS:

DETROIT (FAC 1) AND SALEM (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS PRM Y RWY 22R (CLOSE PARALLEL) (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS PRM Y RWY 4L (CLOSE PARALLEL)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS PRM Y RWY 4L (CLOSE PARALLEL) (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (SA CAT I & II)(CLOSE PARALLEL) (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 22R (SA CAT I & II)(CLOSE PARALLEL)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 4L (CAT II & III)(CLOSE PARALLEL)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 4L (CAT II & III)(CLOSE PARALLEL)(ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 4L (CLOSE PARALLEL)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS PRM Z RWY 4L (CLOSE PARALLEL)(ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 4L	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 4L (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 4L	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 4L (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I & II)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I & II) (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 4L (CAT II & III)	1, 2	2	KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 4L (CAT II & III) (ALT MA)		3	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) PRM Y RWY 22R (CLOSE PARALLEL)		1	KDTW	DETROIT	MI (US)

QUALITY
24
CHECKED

IAP	RNAV (GPS) PRM Y RWY 4L (CLOSE PARALLEL)	1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Y RWY 4L	1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (GPS) Z RWY 4L	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM U RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) PRM U RWY 4L		KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) U RWY 4L		KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) W RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) W RWY 4L	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 22R	1	KDTW	DETROIT	MI (US)
IAP	RNAV (RNP) X RWY 4L	1	KDTW	DETROIT	MI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED FAC 3 AND 4 (JXN AND CRL) FROM FIX MAKE-UP FACILITIES.

UPDATED HOLDING PAT 3 FROM JXN VOR/DME TO WP HOLDING AND MIN/MAX TEMPLATE FROM 6/7 TO 5/6.

UPDATED FIX USE TO REMOVE FAC 3, 4 FROM ALL ILS Y/Z RWY 4L AND ILS Y/Z RWY 22R (ALT MA) PROCEDURES AT KDTW.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 **NAME:** CHRISTINE BAYSE

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZOB
ATC FACILITY: DTW APP CON, METRO TOWER
OTHER:

QUALITY
24
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JACKSON VOR/DME

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 421533.26N/0842730.78W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	JACKSON	JXN	VOR/DME	L							17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	310	TOWER (26-000991)	422225.60N/0840410.22W	1987	1A

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 5W 1985.
UNPLANNED 310KIAS PATTERN PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS PRM RWY 4L			KDTW	DETROIT	MI (US)
IAP	ILS PRM Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Y RWY 4L			KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 22R			KDTW	DETROIT	MI (US)
IAP	ILS Z OR LOC RWY 4L			KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 22R (SA CAT I -II)			KDTW	DETROIT	MI (US)
IAP	ILS Z RWY 4L (SA CAT II - III)			KDTW	DETROIT	MI (US)
IAP	VOR-A			KJYM	HILLSDALE	MI (US)
IAP	ILS OR LOC RWY 13			KOZW	HOWELL	MI (US)
IAP	RNAV (GPS) RWY 13			KOZW	HOWELL	MI (US)
IAP	ILS OR LOC RWY 25			KJXN	JACKSON	MI (US)
IAP	ILS OR LOC RWY 28L			KLAN	LANSING	MI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 15

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

DELETED AIRSPACE DOCKET NUMBER 16-AGL-2.
REMOVED STAR FROM REQUIRED CHARTING.
FIX USE: DELETED CRUXX AND MIZAR STARS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZOB
ATC FACILITY: LAN, JXN APP CON
OTHER:

QUALITY
24
CHECKED