

RADIO FIX AND HOLDING DATA RECORD

NAME: CLARION VOR/DME **STATE:** PA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 410846.66N/0792728.71W **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	CLARION	CIP	VOR/DME	L						36000

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	S		WP	196.64	016.64	R		4	4000	6000	5	6
2	S	CIP	VOR/DME	194.64	014.64	R	1		3300	7000	4	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	410612.00N/0792115.00W	1867	4E
2	200	200' AAO	410612.00N/0792118.00W	1864	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 6W (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALLEGHENY			KAGC	PITTSBURGH	PA (US)
EN ROUTE	V119					(US)
EN ROUTE	V226					(US)
EN ROUTE	V30					(US)
EN ROUTE	V6					(US)
IAP	ILS OR LOC RWY 8			KBTP	BUTLER	PA (US)
IAP	RNAV (GPS) RWY 24			KAXQ	CLARION	PA (US)
IAP	RNAV (GPS) RWY 6			KAXQ	CLARION	PA (US)
IAP	VOR-A		2	KAXQ	CLARION	PA (US)
IAP	ILS OR LOC RWY 25		2	KDUJ	DUBOIS	PA (US)
IAP	RNAV (GPS) RWY 25		1	KDUJ	DUBOIS	PA (US)
IAP	VOR/DME RWY 7			KDUJ	DUBOIS	PA (US)
IAP	ILS OR LOC RWY 21			KFKL	FRANKLIN	PA (US)
IAP	RNAV (GPS) RWY 21			KFKL	FRANKLIN	PA (US)
IAP	VOR RWY 3			KFKL	FRANKLIN	PA (US)
IAP	VOR/DME-A			KN35	PUNXSUTAWNEY	PA (US)
STAR	HAYNZ RNAV			KPIT	PITTSBURGH	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 02/01/2018

REASON FOR REVISION:

ADDED NAVAID MAGVAR.
FIX USE: REMOVED V58, V526 AND REDUNDANT V226.
FIX USE: REMOVED K6G1 VOR OR GPS-A AND KBTP HAYNZ RNAV STAR.

DEVELOPED BY: **DATE:** 08/24/2017 **OFFICE:** AJV-5422 **NAME:** RALPH DUMAR

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

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZOB
ATC FACILITY: YNG APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: DRYER VOR/DME STATE: OH COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412129.03N/0820943.09W 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	FEET	MRA	MAA
1	DRYER	DJB	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	DJB	VOR/DME	253.01	073.01	L	1		3000	6000	4	5
2	NW	DJB	VOR/DME	305.00	125.00	R	1		3000	6000	4	5
3	W	DJB	VOR/DME	257.04	077.04	R	1		3000	6000	4	5
4	W	WP	WP	257.04	077.04	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (39-000125)	411610.19N/0820015.50W	1649	4D
1	200	TOWER (39-000782)	412533.00N/0820858.00W	1153	5D
2	200	TOWER (39-024979)	412032.54N/0821612.82W	1086	1A
3	200	TOWER (39-004162)	411549.25N/0821421.71W	1162	2C
4	200	TOWER (39-004162)	411549.25N/0821421.71W	1162	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 OBERLIN COLLEGE MUSIC CONSERVATORY

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 5 DEGREES WEST (1980).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BNGLE (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	BUFFALO			KBUF	BUFFALO	NY (US)
DP	AMRST			KCGF	CLEVELAND	OH (US)
DP	OBRLN			KCGF	CLEVELAND	OH (US)
DP	AMRST			KCLE	CLEVELAND	OH (US)
DP	OBRLN			KCLE	CLEVELAND	OH (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	AMRST			K1G1	ELYRIA	OH (US)
DP	OBRLN			K1G1	ELYRIA	OH (US)
DP	AMRST			KLPR	LORAIN/ELYRIA	OH (US)
DP	OBRLN			KLPR	LORAIN/ELYRIA	OH (US)
DP	AMRST			K1G5	MEDINA	OH (US)
DP	OBRLN			K1G5	MEDINA	OH (US)
DP	AMRST			K7G8	MIDDLEFIELD	OH (US)
DP	OBRLN			K7G8	MIDDLEFIELD	OH (US)
DP	AMRST			K2G1	PAINESVILLE	OH (US)
DP	OBRLN			K2G1	PAINESVILLE	OH (US)
DP	AMRST			KLNN	WILLOUGHBY	OH (US)
DP	OBRLN			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J162					(US)
EN ROUTE	J34					(US)
EN ROUTE	J518					(US)
EN ROUTE	J60					(US)
EN ROUTE	J83					(US)
EN ROUTE	J85					(US)
IAP	ILS OR LOC RWY 24R			KBKL	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 24			KCGF	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 24L (ALT MA)			KCLE	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 28		3	KCLE	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 6L			KCLE	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 6L (ALT MA)			KCLE	CLEVELAND	OH (US)
IAP	ILS OR LOC RWY 6R			KCLE	CLEVELAND	OH (US)
IAP	ILS OR LOC/DME RWY 24R		3	KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 24L (SA CAT II) (ALT MA)			KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 24R (CAT II-III)		3	KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 24R (SA CAT I)		3	KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 6L (CAT II-III)			KCLE	CLEVELAND	OH (US)

IAP	ILS RWY 6L (CAT II-III) (ALT MA)		KCLE	CLEVELAND	OH (US)
IAP	ILS RWY 6R (SA CAT II)		KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 10		KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 24R	4	KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 6L		KCLE	CLEVELAND	OH (US)
IAP	RNAV (GPS) RWY 6R		KCLE	CLEVELAND	OH (US)
IAP	VOR OR GPS-A	2	K1G1	ELYRIA	OH (US)
IAP	ILS OR LOC RWY 7	1, 4	KLPR	LORAIN/ELYRIA	OH (US)
IAP	VOR-A		KLPR	LORAIN/ELYRIA	OH (US)
IAP	RNAV (GPS) RWY 9		K1G5	MEDINA	OH (US)
STAR	KNOX		KORD	CHICAGO	IL (US)
STAR	GEMNI		KDTW	DETROIT	MI (US)
STAR	WEEDA		KDTW	DETROIT	MI (US)
STAR	LLEEO		KYIP	DETROIT	MI (US)
STAR	FAILS		KBKL	CLEVELAND	OH (US)
STAR	CHARDON		KCLE	CLEVELAND	OH (US)
STAR	HIMEZ		KCLE	CLEVELAND	OH (US)
STAR	KEATN		KCLE	CLEVELAND	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. DELETED V5 FROM FIX USE.
2. DELETED V26 FROM FIX USE.
3. DELETED V40 FROM FIX USE.
4. DELETED V443 FROM FIX USE.
5. DELETED V126 FROM FIX USE.
6. DELETED V522 FROM FIX USE.
7. DELETED V14, V525, V435, V75 FROM FIX USE.
8. DELETED V30 FROM FIX USE.
9. DELETED V426 FROM FIX USE.
10. DELETED V584 FROM FIX USE.
11. DELETED V6 FROM FIX USE.
12. DELETED EN ROUTE LOW FROM CHARTING REQUIREMENT.

DEVELOPED BY: **DATE:** 11/15/2017 **OFFICE:** AJV-5422 **NAME:** KEVIN KESZLER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: STUKL

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412104.16N/0813953.86W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DRYER	DJB	VOR/DME	H	095.89	090.89	22.46			3000	17500
2	BRIGGS	BSV	VOR/DME	L	347.97	343.97				3000	17500

REMARKS:

MASE/NAR APPROVED STAND ALONE FIX

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V6-42					

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 06/08/2006

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: YOUNGSTOWN VORTAC STATE: OH COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 411951.69N/0804028.79W 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	YOUNGSTOWN	YNG	VORTAC	L						24000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
YNG	VORTAC	R-130	48	19100	24000

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	YNG	VORTAC	003.00	183.00	L	1	2900 6000	4 5
2	N	YNG	VORTAC	007.26	187.26	L	1	2800 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (39-000316)	411427.00N/0803115.00W	1538	5D
1	200	TOWER (39-001732)	412302.58N/0803936.69W	1484	3C
1	310	TOWER (39-002368)	413112.00N/0803141.00W	1621	2C
2	200	TOWER (39-001723)	394356.70N/0823543.60W	1277	3C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AND 2 AT REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 32	KYNG	YOUNGSTOWN/WARREN	OH (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 4W (1965).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALLEGHENY			KAGC	PITTSBURGH	PA (US)
EN ROUTE	J211					(US)
EN ROUTE	V10					(US)
EN ROUTE	V41					(US)
EN ROUTE	V43					(US)
IAP	ILS OR LOC RWY 14		1	KYNG	YOUNGSTOWN/WARREN	OH (US)
IAP	ILS OR LOC RWY 32		1	KYNG	YOUNGSTOWN/WARREN	OH (US)
IAP	RNAV (GPS) RWY 14		1	KYNG	YOUNGSTOWN/WARREN	OH (US)
IAP	RNAV (GPS) RWY 32		1	KYNG	YOUNGSTOWN/WARREN	OH (US)
IAP	VOR-A		2	KYNG	YOUNGSTOWN/WARREN	OH (US)
IAP	VOR-A		2	K4G1	GREENVILLE	PA (US)
IAP	LOC RWY 25		2	KGKJ	MEADVILLE	PA (US)
IAP	RNAV (GPS) RWY 07		2	KGKJ	MEADVILLE	PA (US)
IAP	VOR RWY 7		2	KGKJ	MEADVILLE	PA (US)
STAR	CHARDON		2	KBKL	CLEVELAND	OH (US)
STAR	CHARDON		2	KCGF	CLEVELAND	OH (US)
STAR	CHARDON		2	KCLE	CLEVELAND	OH (US)
STAR	CHARDON		2	K1G1	ELYRIA	OH (US)
STAR	CHARDON		2	KLPR	LORAIN/ELYRIA	OH (US)
STAR	CHARDON		2	K1G5	MEDINA	OH (US)
STAR	CHARDON		2	K7G8	MIDDLEFIELD	OH (US)
STAR	CHARDON		2	K2G1	PAINESVILLE	OH (US)
STAR	CHARDON		2	KLNN	WILLOUGHBY	OH (US)
STAR	JESEY RNAV		2	KPIT	PITTSBURGH	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

1. REMOVED V542 FROM FIX USE.
2. REMOVED V523 FROM FIX USE.
3. REMOVED V6 FROM FIX USE.

DEVELOPED BY: **DATE:** 11/16/2017 **OFFICE:** AJV-5422 **NAME:** KEVIN KESZLER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZOB
 ATC FACILITY: YNG APP CON
 OTHER: