

RADIO FIX AND HOLDING DATA RECORD

NAME: ASHEN

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412849.77N/0843848.30W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:
OPR IS ZOB.

FIX USE:
USE TYPE

USE TYPE	USE TITLE
STAR	PANGG (RNAV)
STAR	PANGG (RNAV)
STAR	PANGG (RNAV)
STAR	PANGG (RNAV)
STAR	PANGG (RNAV)

FAC

PAT

AIRPORT IDENT

CITY

STATE

KIGQ	CHICAGO	IL (US)
KMDW	CHICAGO	IL (US)
KGYG	GARY/CHICAGO	IN (US)
05C	GRIFFITH	IN (US)
3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS KMDW CHICAGO, IL, 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).
REMOVED AIRSPACE DOCKET NUMBER 24-AGL-10.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AWSUM

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413119.74N/0863423.35W

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
STAR	PANGG (RNAV)			KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)			05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)			3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AVJ-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BAGEL

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413057.51N/0853649.28W

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	FEET	MRA	MAA
1	KEELER	ELX	VOR/DME	L	148.62	148.62	44.07	44.07		4000	17500
2	FORT WAYNE	FWA	VORTAC	VH	335.25	329.25	37.52	37.52		2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ELX	VOR/DME	R-149	44	4000	17500

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	SW		WP	206.00	026.00	R		4	3000	6000	5	6
2	E		WP	095.65	275.65	L		8	5000	24000	11	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-020564)	412646.41N/0853123.48W	1315	4D
2	200	TOWER (18-000084)	412410.00N/0851715.00W	1359	4D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

KEELER (FAC 1) AND FORT WAYNE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GTLKE (RNAV)			KBKL	CLEVELAND	OH (US)
DP	GTLKE (RNAV)			KCGF	CLEVELAND	OH (US)
DP	GTLKE (RNAV)			KCLE	CLEVELAND	OH (US)
DP	GTLKE (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
DP	GTLKE (RNAV)			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	V277	1, 2				(US)
IAP	RNAV (GPS) RWY 36			KEKM	ELKHART	IN (US)
IAP	RNAV (GPS) RWY 10			C62	KENDALLVILLE	IN (US)
IAP	RNAV (GPS) RWY 28		1	C62	KENDALLVILLE	IN (US)
IAP	RNAV (GPS) RWY 27			KASW	WARSAW	IN (US)
STAR	PANGG (RNAV)		2	KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)		2	KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)		2	KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)		2	05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)		2	3HO	HOBART	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).
ADDED HOLDING: PAT 2 FOR PANGG STAR FOR AIRPORTS MDW, CHICAGO, IL, 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRTTN

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413414.30N/0853147.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PANGG (RNAV)			KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KGYV	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)			05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)			3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FNLYY

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413044.36N/0853010.32W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

STAR
STAR
STAR
STAR
STAR

USE TITLE

PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)

FAC

PAT

AIRPORT IDENT

KIGQ
KMDW
KGYG
05C
3HO

CITY

CHICAGO
CHICAGO
GARY/CHICAGO
GRIFFITH
HOBART

STATE

IL (US)
IL (US)
IN (US)
IN (US)
IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/02/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FORT WAYNE VORTAC STATE: IN COUNTRY: US ICAO REGION CODE: K5
 LATITUDE/LONGITUDE: 405844.63N/0851117.01W 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	FORT WAYNE	FWA	VORTAC	VH						45000

FIX RESTRICTIONS:

MCA V38 12500 WESTBOUND

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	SE	FWA	VORTAC	140.75	320.75	R	1		4000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000023)	410012.00N/0850559.00W	1159	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAG VAR: 6W 2020.
 PAT 1 AT ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	J149					(US)
EN ROUTE	J178					(US)
EN ROUTE	J64					(US)
EN ROUTE	V11					(US)
EN ROUTE	V144					(US)
EN ROUTE	V221					(US)
EN ROUTE	V277					(US)
EN ROUTE	V38					(US)
EN ROUTE	V55					(US)
IAP	ILS OR LOC RWY 27			KGWB	AUBURN	IN (US)
IAP	RNAV (GPS) RWY 9			KGWB	AUBURN	IN (US)
IAP	VOR-A			KGWB	AUBURN	IN (US)
IAP	ILS OR LOC RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	ILS OR LOC RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	ILS RWY 05 (CAT II)			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 32			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 23			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 5			KFWA	FORT WAYNE	IN (US)
IAP	VOR OR TACAN RWY 14			KFWA	FORT WAYNE	IN (US)
IAP	RNAV (GPS) RWY 31			KSMD	FORT WAYNE	IN (US)
IAP	VOR RWY 13			KSMD	FORT WAYNE	IN (US)
IAP	VOR-A			KHHG	HUNTINGTON	IN (US)
IAP	RNAV (GPS) RWY 23		1	KOKK	KOKOMO	IN (US)
IAP	ILS OR LOC RWY 27			KASW	WARSAW	IN (US)
IAP	ILS OR LOC RWY 27			KASW	WARSAW	IN (US)
IAP	HI-ILS OR LOC RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-ILS Y OR LOC Y RWY 7			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 25			KTOL	TOLEDO	OH (US)
IAP	HI-TACAN RWY 7			KTOL	TOLEDO	OH (US)
STAR	PANGG (RNAV)			KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	ESSPO (RNAV)			KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)			KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)			KORD	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)			05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)			3HO	HOBART	IN (US)
STAR	CLANG			KEYE	INDIANAPOLIS	IN (US)
STAR	CLANG			KIND	INDIANAPOLIS	IN (US)
STAR	CLANG			KMQJ	INDIANAPOLIS	IN (US)

QUALITY
14
CHECKED

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 31

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HALIE

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413057.85N/0870931.95W

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 FAC NM	FEET	MRA	MAA
1	CHICAGO HEIGHTS	CGT	VORTAC	L	086.74	088.74	18.60	18.60		2600	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	SE		WP	124.27	304.27	R		5	2400	10000	5	10
2	SE		WP	117.00	297.00	L		8	7000	31000	11	24
3	E		WP	093.18	273.18	L		8	2400	6000	11	11
4	SE		WP	117.00	297.00	L		10	7000	31000	15	24

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
2	230	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
3	200	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C
4	230	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST

PAT 3 ATC REQUEST

PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

HOLDING PATTERN 2 & 3 USED TEMPLATE 11 FOR 8 DME LEG LENGTH AT ATC REQUEST.

HOLDING PATTERN 4 USED TEMPLATE 15 FOR 10 DME LEG LENGTH AT ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V92	1				
IAP	RNAV (GPS) RWY 27			KIGQ	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 20		1	KGYG	GARY/CHICAGO	IN (US)
IAP	RNAV (GPS) RWY 18			KOXI	KNOX	IN (US)
STAR	PANGG (RNAV)		3	KIGQ	CHICAGO	IL (US)
STAR	FISSK (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)		3	KMDW	CHICAGO	IL (US)
STAR	ESSPO (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	VEECK (RNAV)		4	KORD	CHICAGO	IL (US)
STAR	WATSN (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	PANGG (RNAV)		3	KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)		3	05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)		3	3HO	HOBART	IN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).

ADDED HOLDING: PAT 3 FOR AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: IROCK

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413108.73N/0865418.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	093.41	273.41	R	10	3400	10000	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-000847)	413117.00N/0870126.00W	1320	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

HOLDING PATTERN 1 USED TEMPLATE 15 FOR 10 DME LEG LENGTH AT ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PANGG (RNAV)		1	KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)		1	KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)		1	KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)		1	05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)		1	3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).
ADDED HOLDING: PAT 1 FOR AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOSSH

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413035.83N/0871329.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

STAR
STAR
STAR
STAR

USE TITLE

PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)

FAC

PAT

AIRPORT IDENT

KIGQ
KGYG
05C
3HO

CITY

CHICAGO
GARY/CHICAGO
GRIFFITH
HOBART

STATE

IL (US)
IN (US)
IN (US)
IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/02/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LLTCH

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 420344.18N/0844555.71W

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
STAR	PANGG (RNAV)			KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)			05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)			3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MAKKI

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412640.27N/0853323.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

STAR
STAR
STAR
STAR
STAR

USE TITLE

PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)
PANGG (RNAV)

FAC

PAT

AIRPORT IDENT

KIGQ
KMDW
KGYG
05C
3HO

CITY

CHICAGO
CHICAGO
GARY/CHICAGO
GRIFFITH
HOBART

STATE

IL (US)
IL (US)
IN (US)
IN (US)
IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/02/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MEGGZ

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413124.28N/0862344.65W

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
STAR	PANGG (RNAV)			KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)			KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)			05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)			3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PANGG

STATE: IN

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 413130.03N/0860420.39W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	E		WP	095.65	275.65	L	10	10000	20000	15	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (18-002311)	413655.00N/0861107.00W	1949	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
HOLDING USED TEMPLATE 15 FOR 10 DME LEG LENGTH AT ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PANGG (RNAV)		1	KIGQ	CHICAGO	IL (US)
STAR	PANGG (RNAV)		1	KMDW	CHICAGO	IL (US)
STAR	PANGG (RNAV)		1	KGYG	GARY/CHICAGO	IN (US)
STAR	PANGG (RNAV)		1	05C	GRIFFITH	IN (US)
STAR	PANGG (RNAV)		1	3HO	HOBART	IN (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

ADDED FIX USE: AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL FOR STAR PANGG (RNAV).
ADDED HOLDING: PAT 1 FOR AIRPORTS 05C GRIFFITH, IN, 3HO HOBART, IN, KGYG GARY, IN AND KIGQ CHICAGO, IL.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: TROY PURNELL

APPROVED BY:

DATE: 08/28/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
14
CHECKED