

RADIO FIX AND HOLDING DATA RECORD

NAME: AWLEE

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375751.97N/0854031.76W

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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-RLI	LOC/DME		169.40	165.40	13.84	13.86		4000	5000
2	LOUISVILLE	IIU	VORTAC	H	208.18	209.18		9.54		4000	5000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-RLI DME COORDINATES: 381117.19N-0854453.51W
I-RLI (FAC 1)USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 169.39/165.39.
REMARKS: UPDATED I-RLI DME LAT LONG FROM 381117.18N-0854453.38W.

DEVELOPED BY:

DATE: 03/04/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BRBON

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375009.94N/0853800.33W

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	LOUISVILLE	I-RLI	LOC/DME		169.39	165.39	21.79	21.80	5000	6000
2	FORT KNOX	FTK	VOR/DME	T	105.71	104.71		16.67	2700	17500
3	LOUISVILLE	IIU	VORTAC	H	188.43	189.43	16.24	16.24	2700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RLI	LOC/DME	R-169	22	5000	6000
FTK	VOR/DME	R-106	17	12700	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	S	IIU	VORTAC	188.43	008.43	R	1	4000 6000	5 6
2	S		WP	188.43	008.43	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001503)	374304.00N/0854231.00W	1249	5E
2	200	TOWER (21-001503)	374304.00N/0854231.00W	1249	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

LOUISVILLE (FAC 3) AND LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
 I-RLI DME COORDINATES: 381117.18N / 0854453.38W
 KSDF RWY 35L DISPLACED THRESHOLD COORDINATES: 380929.40N / 0854421.37W
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V5-513					(US)
IAP	ILS OR LOC RWY 35L	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35R	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT III)	1, 2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	2, 3	1	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L		2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R		2	KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/29/2014

REASON FOR REVISION:

FAC 1 & 3 RESTORED FROM HISTORY.

DEVELOPED BY: DATE: 10/17/2013

OFFICE: AJV-352

NAME: HOWARD HAWKINS

APPROVED BY: DATE: 05/29/2014

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZID

QUALITY
 2
 CHECKED

ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MANAGER

INFO ONLY



RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BRELL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380514.95N/0853515.79W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

KY (US)
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: BULCO

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380028.33N/0854116.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY: **DATE:** 07/12/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY: **DATE:** 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: COBLR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381222.09N/0855154.62W

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

IAP

RNAV (RNP) Z RWY 17L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 17R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DAMEN (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/25/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF/SDF

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CURNL

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381526.75N/0855302.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

DAMEN (RNAV)

MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF

KSDF

CITY

LOUISVILLE

LOUISVILLE

STATE

KY (US)

KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: CURRT

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381818.96N/0853938.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

KY (US)
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: DLAMP

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381201.95N/0853729.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

STAR DLAMP (RNAV)
STAR MAUDD (RNAV)
STAR MBELL (RNAV)

FAC PAT

AIRPORT IDENT CITY

KSDF LOUISVILLE
KSDF LOUISVILLE
KSDF LOUISVILLE

STATE

KY (US)
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY: DATE: 06/10/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY: DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEW HOPE VOR/DME

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 373754.52N/0854033.16W

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	MAA
1	NEW HOPE	EWO	VOR/DME	L						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	E	EWO	VOR/DME	104.38	284.38	R	1	2500 14000	4 10
2	SW	EWO	VOR/DME	216.92	036.92	R	1	2500 14000	4 10
3	SW	EWO	VOR/DME	222.33	042.33	L	1-1 1/2	2500 17500	4 16
4	E	WP	WP	104.38	284.38	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000027)	374108.00N/0854442.00W	1360	4D
2	200	200' AAO	374036.00N/0854133.00W	1231	4E
3	200	TOWER (21-000027)	374108.00N/0854442.00W	1360	4D
4	200	TOWER (21-000027)	374108.00N/0854442.00W	1360	4D

REASON FOR NONSTANDARD HOLDING:

PAT 3 TRAFFIC SEPARATION (ATC REQUEST)

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PATTERN 3: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-3704B.

REMARKS:

AVNIS OBSTACLE DATA BASE AND OE STUDY 1998-ASO-1929 SHOW CONTROLLING OBSTACLE (21-000027) FOR PATTERNS 1, 3 AND 4 AS 1290 MSL, HOWEVER FLIGHT CHECK ASSIGNED A VALUE OF 1360 MSL, 4D FLIGHT CHECK ACCURACY APPLIED. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	V178					(US)
EN ROUTE	V5		3			(US)
EN ROUTE	V513					(US)
IAP	VOR/DME-A		2	KBRY	BARDSTOWN	KY (US)
IAP	VOR/DME -A			KAAS	CAMPBELLSVILLE	KY (US)
IAP	LOC RWY 5		1	KEKX	ELIZABETHTOWN	KY (US)
IAP	RNAV (GPS) RWY 23			KEKX	ELIZABETHTOWN	KY (US)
IAP	RNAV (GPS) RWY 5		4	KEKX	ELIZABETHTOWN	KY (US)
IAP	VOR-A		1	KEKX	ELIZABETHTOWN	KY (US)
IAP	RNAV (GPS) RWY 36			KFTK	FORT KNOX	KY (US)
IAP	VOR/DME RWY 18			KFTK	FORT KNOX	KY (US)
IAP	VOR/DME RWY 36			KFTK	FORT KNOX	KY (US)
IAP	VOR/DME RWY 11			K612	SPRINGFIELD	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

PATTERNS: DELETED PAT 5.

RESTRICTIONS: UPDATED FROM "PATTERN 3 AND 5: PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-3704B."

REMARKS: DELETED "PAT 5 - 10 NM LEGS REQUESTED BY ATC FOR RNAV STAR HOLDING."

FIX USE: DELETED TITAN (OBSTACLE) DP, KAAS - NDB RWY 23, K612 - NDB RWY 11 AND MBELL (RNAV) STAR: ADDED NASHVILLE DP.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY: DATE: 02/26/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

QUALITY
2
CHECKED

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZID
 ATC FACILITY: SDF APP CON
 OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: GETTA

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380534.87N/0853520.40W

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

IAP

RNAV (RNP) Z RWY 35L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 35R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DLAMP (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: HAUGN

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380911.74N/0855044.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

USE TITLE
DAMEN (RNAV)
FRIZN (RNAV)
MBELL (RNAV)

FAC PAT

AIRPORT IDENT CITY

KSDF LOUISVILLE
KSDF LOUISVILLE
KSDF LOUISVILLE

STATE
KY (US)
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY: DATE: 06/07/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY: DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF/SDF
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LOUISVILLE VORTAC

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380612.47N/0853438.77W

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	LOUISVILLE	IIU	VORTAC	H							45000

FIX RESTRICTIONS:

MCA V5 10000 NORTHEAST BOUND

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	IIU	VORTAC	120.00	300.00	R	1		3000	6000	4	5
2	SE		WP	120.00	300.00	R		4	3000	6000	5	6
3	SE		WP	120.00	300.00	R		10	6000	6000	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
1	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C
2	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
2	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C
3	200	TOWER (21-000420)	380349.00N/0854352.00W	1249	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) Y RWY 17L	KSDF	LOUISVILLE	KY (US)
2	RNAV (RNP) Z RWY 17L	KSDF	LOUISVILLE	KY (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 3 EVALUATED FOR 10NM LEGS PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CHCLL (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	TEDDD			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	CHATANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	J112					(US)
EN ROUTE	J39					(US)
EN ROUTE	J526					(US)
EN ROUTE	J78					(US)
EN ROUTE	J8					(US)
EN ROUTE	J89					(US)
EN ROUTE	J99					(US)
EN ROUTE	Q50					(US)
EN ROUTE	T213					(US)
EN ROUTE	V171					(US)
EN ROUTE	V310					(US)
EN ROUTE	V4					(US)
EN ROUTE	V5					(US)
EN ROUTE	V512					(US)
EN ROUTE	V513					(US)
EN ROUTE	V53					(US)
IAP	LOC/DME RWY 30			KDVK	DANVILLE	KY (US)

QUALITY
2
CHECKED

INFO ONLY

IAP	VOR-A		KEKX	ELIZABETHTOWN	KY (US)
IAP	ILS OR LOC/DME RWY 18		KFTK	FORT KNOX	KY (US)
IAP	RNAV (GPS) RWY 18		KFTK	FORT KNOX	KY (US)
IAP	VOR RWY 24	1	KLOU	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17L		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17R		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35L		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35R		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)		KSDF	LOUISVILLE	KY (US)
IAP	LOC RWY 29		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17L	2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17L	2	KSDF	LOUISVILLE	KY (US)
STAR	CHERI		KJVV	JEFFERSONVILLE	IN (US)
STAR	DARBY		KJVV	JEFFERSONVILLE	IN (US)
STAR	REDSTONE		KJVV	JEFFERSONVILLE	IN (US)
STAR	GENUS		KK62	FALMOUTH	KY (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CLEGG		KLEX	LEXINGTON	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	REDSTONE		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)	3	KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE		KSDF	LOUISVILLE	KY (US)
STAR	GENUS		KI69	BATAVIA	OH (US)
STAR	GENUS		KLUK	CINCINNATI	OH (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GAILL (RNAV)		KCMH	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KLCK	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KOSU	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KTZR	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	GENUS		KHAO	HAMILTON	OH (US)
STAR	GAILL (RNAV)		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GAILL		KVTA	NEWARK	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	GUIR		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	GUIR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	GUIR		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	GUIR		KMQY	SMYRNA	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** 14**DATE OF REVISION:** 07/21/2016**REASON FOR REVISION:**

FIX USE: CORRECTED DAMEN (RNAV); REMOVED PAT 1 FROM KSDF ILS OR LOC RWY 17L; ADDED PAT 3 TO FRIZN (RNAV) STAR, MBELL (RNAV) STAR, AND DAMEN (RNAV) STAR; UPDATED FORMAT.

DEVELOPED BY: DATE: 02/26/2016**OFFICE:** AJV-5442**NAME:** JEFF ANDERSON (JACOB MAXFIELD)**APPROVED BY:** DATE:**OFFICE:** AJV-5410**NAME:** MARLON ROBINSON**SIGNATURE:****DISTRIBUTION:**

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER:

QUALITY
 2
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JBEAM

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 374727.73N/0853834.15W

TYPE: WP, INT

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	FAC FEET	MRA	MAA
1	LOUISVILLE	IIU	VORTAC	H	188.43	189.43		18.98		2700	17500
2	MYSTIC	MYS	VOR	L	103.00	102.00		29.26		2700	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	S		WP	188.00	008.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-001503)	374304.00N/0854231.00W	1249	5E
1	310	TOWER (21-001848)	375246.00N/0854303.00W	1376	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 20	KBRY	BARDSTOWN	KY (US)

REMARKS:

MYSTIC (FAC 2) AND LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V5	1, 2				(US)
EN ROUTE	V513	1, 2				(US)
IAP	RNAV (GPS) RWY 20		1	KBRY	BARDSTOWN	KY (US)
IAP	RNAV (GPS) RWY 23			KEKX	ELIZABETHTOWN	KY (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED MBELL (RNAV) STAR.
REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY: **DATE:** 02/29/2016 **OFFICE:** AJV-5442 **NAME:** JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-5410 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: KAEDN

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381459.68N/0853829.99W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (RNP) Z RWY 17L
RNAV (RNP) Z RWY 17R

FAC PAT

AIRPORT IDENT
KSD
KSD

CITY
LOUISVILLE
LOUISVILLE

STATE
KY (US)
KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DLAMP (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.
REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LAANG LOM

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380840.90N/0853800.16W

TYPE: WP

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	FAC FEET	MRA	MAA
1	LAANG	LKS	LOM-NDB								17500
2	LOUISVILLE	I-LKS	LOC		116.17	112.17		5.97	36296	2000	4900

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	LKS	NDB	116.17	296.17	R	1		2300	4900	4	5
2	S	LKS	NDB	168.20	348.20	R	1		2500	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000115)	381135.00N/0853114.00W	1228	4D
2	200	TOWER (21-020059)	380615.81N/0853401.36W	1021	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE LAANG LOM.
ACTUAL FACILITY LOCATION IS 380841.43N/0853759.89W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB RWY 33	1	2	KLOU	LOUISVILLE	KY (US)
IAP	LOC RWY 29	1, 2	1	KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DAMEN (RNAV) STAR, FRIZN (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.

DEVELOPED BY: DATE: 02/26/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON, SDF ATCT, LOU ATCT
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MBELL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 373842.61N/0853954.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S		WP	190.53	010.53	L	10	5000	15000	15 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-000237)	374055.00N/0855032.00W	1450	3C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 - LEG LENGTH 10NM REQUESTED BY ATC
COMMEMORATIVE WP: NAME RETAINED PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MBELL (RNAV)		1	KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

LAT/LONG: MOVED 12.02NM NE.
RESTRICTIONS: ADDED "HOLDING RESTRICTED TO ESTABLISHED PATTERN".
HOLDING: ADDED PAT 1.
REMARKS: ADDED "PRECIPITOUS TERRAIN EVALUATION COMPLETED", "PAT 1 - LEG LENGTH 10NM REQUESTED BY ATC" AND "COMMEMORATIVE WP: NAME RETAINED PER ATC REQUEST."
FIX USE: ADDED PAT 1 TO MBELL (RNAV).

DEVELOPED BY: DATE: 02/24/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MYTON

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 372825.00N/0854745.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/24/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: PGSUS

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375823.03N/0853930.25W

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	FAC FEET	MRA	MAA
1	LOUISVILLE	I-JJM	LOC		168.91	164.91	13.39	13.41		4000	5000
2	LOUISVILLE	IIU	VORTAC	H	205.18	206.18		8.71		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING BRG-169	DISTANCE 14	MIN ALTITUDE 4000	MAX ALTITUDE 5000
I-JJM	LOC				

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-JJM DME LAT/LONG: 381120.40N/0854351.64W.
ESV IS FOR I-JJM GLIDESLOPE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 168.92/164.92.
REMARKS: UPDATED I-JJM DME LAT/LONG FROM 381120.41N/0854351.64W.

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: QARRY

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 382552.21N/0854224.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR
STAR
STAR

USE TITLE

DLAMP (RNAV)
MAUDD (RNAV)
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF
KSDF
KSDF

CITY

LOUISVILLE
LOUISVILLE
LOUISVILLE

STATE

KY (US)
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY:

DATE: 06/10/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY:

DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: RDBRD

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375426.53N/0853924.36W

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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-RLI	LOC		169.40	165.40	17.37	17.39		5000	6000
2	LOUISVILLE	IIU	VORTAC	H	196.77	197.77		12.34		5000	6000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-RLI DME COORDINATES: 381117.19N-0854453.51W
I-RLI (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35L			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35L			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 169.39/165.39.
REMARKS: UPDATED I-RLI DME LAT/LONG FROM 381117.18N-0854453.38W

DEVELOPED BY:

DATE: 02/29/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF ATCT/APP CON
OTHER: SDF AIRPORT MGR

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SCARY

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 382020.33N/0855426.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

DAMEN (RNAV)

MBELL (RNAV)

FAC

PAT

AIRPORT IDENT

KSDF

KSDF

CITY

LOUISVILLE

LOUISVILLE

STATE

KY (US)

KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/26/2012

DEVELOPED BY:

DATE: 06/08/2011

OFFICE: AJV-352

NAME: MICHAEL CURRAN

APPROVED BY:

DATE: 05/25/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF/SDF

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SQWRL

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380136.14N/0853157.60W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR
STAR

USE TITLE
DAMEN (RNAV)
MBELL (RNAV)

FAC PAT

AIRPORT IDENT CITY
KSD F LOUISVILLE
KSD F LOUISVILLE

STATE
KY (US)
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: STYKR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 381753.66N/0853931.88W

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

IAP

RNAV (RNP) Z RWY 17L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 17R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DLAMP (RNAV) STAR, MAUDD (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF APP CON/ATCT

OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TAATR

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 375541.49N/0853220.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MBELL (RNAV)

FAC

PAT

AIRPORT IDENT
KSDF

CITY
LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: UPSCO

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 380145.69N/0854039.09W

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 NM	FAC FEET	MRA	MAA
1	LOUISVILLE	I-JJM	LOC		168.91	164.91	9.90	9.92		3000	5000
2	LOUISVILLE	IJU	VORTAC	H	225.91	226.91		6.50		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LOUISVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-JJM DME LAT/LONG: 381120.40N/0854351.64W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35 R (CAT II)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT III)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)	1, 2		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 35R			KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 35R			KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)			KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)			KSDF	LOUISVILLE	KY (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX MAKE-UP: UPDATED FAC 1 MAG/TRUE FROM 168.92/164.92.
REMARKS: UPDATED I-JJM DME LAT/LONG FROM 381120.41N/0854351.64W.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER: SDF AIRPORT MANAGER

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WANAV

STATE: KY

COUNTRY: US

LATITUDE/LONGITUDE: 371329.00N/0855747.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MBELL (RNAV)

FAC PAT

AIRPORT IDENT CITY
KSDF LOUISVILLE

STATE
KY (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: **DATE:** 02/23/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: **DATE:**

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: YUNDV

STATE: IN

COUNTRY: US

LATITUDE/LONGITUDE: 381517.14N/0855251.95W

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

IAP

RNAV (RNP) Z RWY 17L

KSDF

LOUISVILLE

KY (US)

IAP

RNAV (RNP) Z RWY 17R

KSDF

LOUISVILLE

KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FIX USE: DELETED DAMEN (RNAV) STAR AND MBELL (RNAV) STAR.

REQUIRED CHARTING: REMOVED STAR.

DEVELOPED BY:

DATE: 02/26/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZID

ATC FACILITY: SDF/SDF

OTHER:

QUALITY
2
CHECKED