

RADIO FIX AND HOLDING DATA RECORD

NAME: AAIRE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350846.57N/0810344.33W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

BANKR (RNAV)

JONZE (RNAV)

FAC

PAT

AIRPORT IDENT

KCLT

KCLT

CITY

CHARLOTTE

CHARLOTTE

STATE

NC (US)

NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZTL

ATC FACILITY: CLT APP CON

OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BANKR STATE: SC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 342914.56N/0813110.42W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

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 MAX	TEMPLATES MIN	MAX
1	SW		WP	218.15	038.15	R	10	11000	22000	15	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (45-000910)	341414.44N/0813326.54W	972	5D

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 1 - LEG LENGTH 10NM REQUESTED BY ATC

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BANKR (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	JONZE (RNAV)		1	KCLT	CHARLOTTE	NC (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016 OFFICE: AJV-5442 NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016 OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BLNCE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344309.50N/0810817.57W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHARLOTTE VOR/DME

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 351125.04N/0805706.31W

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	CHARLOTTE	CLT	VOR/DME	L						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	CLT	VOR/DME	191.00	011.00	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION
UPN	265	TOWER (37-001173)
1	200	TOWER (37-002817)

COORDINATES
352049.00N/0811014.00W
351157.00N/0805235.00W

ELEVATION	ACCURACY CODE
2755	5E
1234	5D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3800.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
UPN HOLDING 265 KTS USED FOR MILITARY OPERATIONS.

INFORMATION ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BOBCAT			KVUJ	ALBEMARLE	NC (US)
DP	HORNET			KVUJ	ALBEMARLE	NC (US)
DP	HUGO			KVUJ	ALBEMARLE	NC (US)
DP	KERMIT			KVUJ	ALBEMARLE	NC (US)
DP	KNIGHTS			KVUJ	ALBEMARLE	NC (US)
DP	PANTHER			KVUJ	ALBEMARLE	NC (US)
DP	ASHVILLE			KAVL	ASHEVILLE	NC (US)
DP	BOBCAT			KCLT	CHARLOTTE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	HORNET			KCLT	CHARLOTTE	NC (US)
DP	HUGO			KCLT	CHARLOTTE	NC (US)
DP	KERMIT			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KCLT	CHARLOTTE	NC (US)
DP	PANTHER			KCLT	CHARLOTTE	NC (US)
DP	BOBCAT			KJQF	CONCORD	NC (US)
DP	HORNET			KJQF	CONCORD	NC (US)
DP	HUGO			KJQF	CONCORD	NC (US)
DP	KERMIT			KJQF	CONCORD	NC (US)
DP	KNIGHTS			KJQF	CONCORD	NC (US)
DP	PANTHER			KJQF	CONCORD	NC (US)
DP	TAKE-OFF MINIMUMS			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	BOBCAT			KAKH	GASTONIA	NC (US)
DP	HORNET			KAKH	GASTONIA	NC (US)
DP	HUGO			KAKH	GASTONIA	NC (US)
DP	KERMIT			KAKH	GASTONIA	NC (US)
DP	KNIGHTS			KAKH	GASTONIA	NC (US)
DP	PANTHER			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	BOBCAT			KIPJ	LINCOLNTON	NC (US)
DP	HORNET			KIPJ	LINCOLNTON	NC (US)
DP	HUGO			KIPJ	LINCOLNTON	NC (US)
DP	KERMIT			KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			KIPJ	LINCOLNTON	NC (US)
DP	PANTHER			KIPJ	LINCOLNTON	NC (US)
DP	BOBCAT			KEQY	MONROE	NC (US)
DP	HORNET			KEQY	MONROE	NC (US)
DP	HUGO			KEQY	MONROE	NC (US)
DP	KERMIT			KEQY	MONROE	NC (US)
DP	KNIGHTS			KEQY	MONROE	NC (US)
DP	PANTHER			KEQY	MONROE	NC (US)
DP	BOBCAT			KRUQ	SALISBURY	NC (US)
DP	HORNET			KRUQ	SALISBURY	NC (US)
DP	HUGO			KRUQ	SALISBURY	NC (US)
DP	KERMIT			KRUQ	SALISBURY	NC (US)
DP	KNIGHTS			KRUQ	SALISBURY	NC (US)
DP	PANTHER			KRUQ	SALISBURY	NC (US)
DP	WINSTON			KINT	WINSTON-SALEM	NC (US)
DP	BOBCAT			KLKR	LANCASTER	SC (US)
DP	HORNET			KLKR	LANCASTER	SC (US)

QUALITY
14
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DP	HUGO	KLKR	LANCASTER	SC (US)
DP	KERMIT	KLKR	LANCASTER	SC (US)
DP	KNIGHTS	KLKR	LANCASTER	SC (US)
DP	PANTHER	KLKR	LANCASTER	SC (US)
DP	BOBCAT	KUZA	ROCK HILL	SC (US)
DP	HORNET	KUZA	ROCK HILL	SC (US)
DP	HUGO	KUZA	ROCK HILL	SC (US)
DP	KERMIT	KUZA	ROCK HILL	SC (US)
DP	KNIGHTS	KUZA	ROCK HILL	SC (US)
DP	PANTHER	KUZA	ROCK HILL	SC (US)
EN ROUTE	V37			(US)
EN ROUTE	V409			(US)
EN ROUTE	V54			(US)
IAP	ILS OR LOC RWY 18C	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 18L	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 18R	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 23	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36C	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36L	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36R	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 5	KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 18R (CAT II-III)	KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36C (CAT II-III)	KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36L (CAT II-III)	KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (CAT II-III)	KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 20	KJQF	CONCORD	NC (US)
IAP	NDB RWY 3	KAKH	GASTONIA	NC (US)
IAP	ILS OR LOC/DME Y RWY 28	KSVH	STATESVILLE	NC (US)
IAP	ILS OR LOC/DME Z RWY 28	KSVH	STATESVILLE	NC (US)
IAP	RNAV (GPS) RWY 22	KN52	WAXHAW	NC (US)
IAP	RNAV (GPS) RWY 4	KN52	WAXHAW	NC (US)
IAP	VOR/DME-A	KLKR	LANCASTER	SC (US)
IAP	ILS Y OR LOC Y RWY 2	KUZA	ROCK HILL	SC (US)
IAP	ILS Z OR LOC Z RWY 2	KUZA	ROCK HILL	SC (US)
STAR	UNARM	KVUJ	ALBEMARLE	NC (US)
STAR	BANKR (RNAV)	1 KCLT	CHARLOTTE	NC (US)
STAR	BTSEY	KCLT	CHARLOTTE	NC (US)
STAR	JOHNS (RNAV)	KCLT	CHARLOTTE	NC (US)
STAR	LIINN	KCLT	CHARLOTTE	NC (US)
STAR	MAJIC	KCLT	CHARLOTTE	NC (US)
STAR	PARQR (RNAV)	1 KCLT	CHARLOTTE	NC (US)
STAR	RASLN	KCLT	CHARLOTTE	NC (US)
STAR	SHINE	KCLT	CHARLOTTE	NC (US)
STAR	SUDSY (RNAV)	KCLT	CHARLOTTE	NC (US)
STAR	UNARM	KCLT	CHARLOTTE	NC (US)
STAR	UNARM	KJQF	CONCORD	NC (US)
STAR	BTSEY	KAKH	GASTONIA	NC (US)
STAR	LIINN	KAKH	GASTONIA	NC (US)
STAR	MAJIC	KAKH	GASTONIA	NC (US)
STAR	RASLN	KAKH	GASTONIA	NC (US)
STAR	SHINE	KAKH	GASTONIA	NC (US)
STAR	UNARM	KAKH	GASTONIA	NC (US)
STAR	BTSEY	KIPJ	LINCOLNTON	NC (US)
STAR	LIINN	KIPJ	LINCOLNTON	NC (US)
STAR	MAJIC	KIPJ	LINCOLNTON	NC (US)
STAR	RASLN	KIPJ	LINCOLNTON	NC (US)
STAR	SHINE	KIPJ	LINCOLNTON	NC (US)
STAR	UNARM	KIPJ	LINCOLNTON	NC (US)
STAR	BTSEY	KEQY	MONROE	NC (US)
STAR	LIINN	KEQY	MONROE	NC (US)
STAR	MAJIC	KEQY	MONROE	NC (US)
STAR	RASLN	KEQY	MONROE	NC (US)
STAR	SHINE	KEQY	MONROE	NC (US)
STAR	UNARM	KEQY	MONROE	NC (US)
STAR	UNARM	KRUQ	SALISBURY	NC (US)
STAR	BTSEY	KEHO	SHELBY	NC (US)
STAR	LIINN	KEHO	SHELBY	NC (US)
STAR	MAJIC	KEHO	SHELBY	NC (US)
STAR	RASLN	KEHO	SHELBY	NC (US)
STAR	SHINE	KEHO	SHELBY	NC (US)
STAR	UNARM	KEHO	SHELBY	NC (US)
STAR	BTSEY	KAFP	WADESBORO	NC (US)
STAR	LIINN	KAFP	WADESBORO	NC (US)
STAR	MAJIC	KAFP	WADESBORO	NC (US)
STAR	RASLN	KAFP	WADESBORO	NC (US)
STAR	SHINE	KAFP	WADESBORO	NC (US)
STAR	UNARM	KAFP	WADESBORO	NC (US)
STAR	BTSEY	KN52	WAXHAW	NC (US)
STAR	LIINN	KN52	WAXHAW	NC (US)
STAR	MAJIC	KN52	WAXHAW	NC (US)
STAR	RASLN	KN52	WAXHAW	NC (US)
STAR	SHINE	KN52	WAXHAW	NC (US)
STAR	UNARM	KN52	WAXHAW	NC (US)
STAR	BTSEY	KDCM	CHESTER	SC (US)
STAR	LIINN	KDCM	CHESTER	SC (US)
STAR	MAJIC	KDCM	CHESTER	SC (US)
STAR	RASLN	KDCM	CHESTER	SC (US)
STAR	SHINE	KDCM	CHESTER	SC (US)
STAR	UNARM	KDCM	CHESTER	SC (US)
STAR	BTSEY	KLKR	LANCASTER	SC (US)

QUALITY
14
CHECKED

STAR	LIINN	KLKR	LANCASTER	SC (US)
STAR	MAJIC	KLKR	LANCASTER	SC (US)
STAR	RASLN	KLKR	LANCASTER	SC (US)
STAR	SHINE	KLKR	LANCASTER	SC (US)
STAR	UNARM	KLKR	LANCASTER	SC (US)
STAR	BTSEY	KUZA	ROCK HILL	SC (US)
STAR	LIINN	KUZA	ROCK HILL	SC (US)
STAR	MAJIC	KUZA	ROCK HILL	SC (US)
STAR	RASLN	KUZA	ROCK HILL	SC (US)
STAR	SHINE	KUZA	ROCK HILL	SC (US)
STAR	UNARM	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

FIX USE: ADDED CLT KERMIT AND KNIGHTS SIDS.

THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/01/2017.

1. DELETED REFERENCE TO FAC 1 IN FIX USE FOR KERMIT AND KNIGHTS SIDS.
2. FIX USE: ADDED CLT BANKR AND PARQR RNAV STARS.

DEVELOPED BY:

DATE: 07/25/2016

OFFICE: AJV-5412

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

QUALITY
14
CHECKED

STAR	LIINN	KLKR	LANCASTER	SC (US)
STAR	MAJIC	KLKR	LANCASTER	SC (US)
STAR	RASLN	KLKR	LANCASTER	SC (US)
STAR	SHINE	KLKR	LANCASTER	SC (US)
STAR	UNARM	KLKR	LANCASTER	SC (US)
STAR	BTSEY	KUZA	ROCK HILL	SC (US)
STAR	LIINN	KUZA	ROCK HILL	SC (US)
STAR	MAJIC	KUZA	ROCK HILL	SC (US)
STAR	RASLN	KUZA	ROCK HILL	SC (US)
STAR	SHINE	KUZA	ROCK HILL	SC (US)
STAR	UNARM	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

FIX USE: ADDED CLT KERMIT AND KNIGHTS SIDS AND ADDED CLT BANKR AND PARQR RNAV STARS.

DEVELOPED BY: **DATE:** 07/25/2016 **OFFICE:** AJV-5412 **NAME:** LIAM DONAHUE

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

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZTL
 ATC FACILITY: CLT APP CON
 OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHKNG

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 340228.02N/0815038.74W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEBBT

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 343550.16N/0812555.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEELX

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 345603.12N/0810705.98W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC

PAT

AIRPORT IDENT
KCLT

CITY
CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DOSBE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350628.09N/0810332.01W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
BANKR (RNAV)
JONZE (RNAV)

FAC PAT

AIRPORT IDENT
KCLT
KCLT

CITY
CHARLOTTE
CHARLOTTE

STATE
NC (US)
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

INFORMATION ONLY

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

DELETED ADENA (RNAV) STAR FROM FIX USE.
DELETED KCLT JOHNS (RNAV) STAR FROM FIX USE.

DEVELOPED BY:

DATE: 05/23/2016

OFFICE: AJV-5413

NAME: MIKE MELSSEN

APPROVED BY:

DATE: 09/26/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FLAIR

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 351627.21N/0810003.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

BANKR (RNAV)

JONZE (RNAV)

FAC

PAT

AIRPORT IDENT

KCLT

KCLT

CITY

CHARLOTTE

CHARLOTTE

STATE

NC (US)

NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

INFORMATION ONLY

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY:

DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZTL

ATC FACILITY: CLT APP CON

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOBAR

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 345245.93N/0811050.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

INFORMATION ONLY

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GREENWOOD VORTAC

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 341505.64N/0820914.94W

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	MAX FEET	MRA	MAA
1	GREENWOOD	GRD	VORTAC	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	SW	GRD	VORTAC	227.00	047.00	R	1 1/2		24000	31000	19	23
2	W	GRD	VORTAC	260.00	080.00	R	1		2300	14000	4	10
3	SW		WP	233.36	053.36	R		16	24000	31000	29	29
4	SW		WP	242.00	062.00	R		10	11000	34000	15	25
5	SW	GRD	VORTAC	242.37	062.37	R		10	11000	31000	15	23

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	200	TOWER (45-000912)	341145.00N/0820524.00W	1094	1B
4	230	TOWER (45-000628)	342219.87N/0821003.92W	1383	3C
5	230	TOWER (45-000628)	342219.87N/0821003.92W	1383	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

HOLD PATTERNS 1 AND 3 ARE AT HIGH ALTITUDES FOR FLOW CONTROL ON UNARM STAR.
DO NOT CHART PATTERNS ON HIGH ENROUTE/ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 3 - LEG LENGTH 16NM REQUESTED BY ATC.
PAT 4, 5 - LEG LENGTH 10NM REQUESTED BY ATC.
ASSIGNED FACILITY MAGVAR: W01/1965

INFORMATION ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PHIL (RNAV)			KATL	ATLANTA	GA (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	J209					(US)
EN ROUTE	Q54					(US)
EN ROUTE	Q64					(US)
EN ROUTE	V185					(US)
EN ROUTE	V311					(US)
EN ROUTE	V454					(US)
EN ROUTE	V66					(US)
IAP	ILS OR LOC RWY 5			KAND	ANDERSON	SC (US)
IAP	ILS Y OR LOC Y RWY 1			KGMU	GREENVILLE	SC (US)
IAP	ILS Z OR LOC Z RWY 1			KGMU	GREENVILLE	SC (US)
IAP	NDB RWY 27			KGRD	GREENWOOD	SC (US)
IAP	VOR RWY 9		2	KGRD	GREENWOOD	SC (US)
IAP	ILS OR LOC RWY 22			KGSP	GREER	SC (US)
IAP	ILS OR LOC/DME RWY 4			KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT II - III)			KGSP	GREER	SC (US)
IAP	ILS RWY 4 (SA CAT 1)			KGSP	GREER	SC (US)
IAP	NDB RWY 22			KEOE	NEWBERRY	SC (US)
IAP	NDB RWY 5			K35A	UNION	SC (US)
STAR	CHPTR		5	KVUJ	ALBEMARLE	NC (US)
STAR	UNARM		1	KVUJ	ALBEMARLE	NC (US)
STAR	ADENA (RNAV)		3	KCLT	CHARLOTTE	NC (US)
STAR	BANKR (RNAV)		4	KCLT	CHARLOTTE	NC (US)
STAR	CHPTR		5	KCLT	CHARLOTTE	NC (US)
STAR	JONZE (RNAV)		4	KCLT	CHARLOTTE	NC (US)
STAR	UNARM		1	KCLT	CHARLOTTE	NC (US)
STAR	CHPTR		5	KJQF	CONCORD	NC (US)
STAR	UNARM		1	KJQF	CONCORD	NC (US)
STAR	CHPTR		5	KAKH	GASTONIA	NC (US)
STAR	UNARM		1	KAKH	GASTONIA	NC (US)
STAR	CHPTR		5	KIPJ	LINCOLNTON	NC (US)
STAR	UNARM		1	KIPJ	LINCOLNTON	NC (US)
STAR	CHPTR		5	KEQY	MONROE	NC (US)
STAR	UNARM		1	KEQY	MONROE	NC (US)
STAR	CHPTR		5	KRUQ	SALISBURY	NC (US)
STAR	UNARM		1	KRUQ	SALISBURY	NC (US)
STAR	CHPTR		5	KEHO	SHELBY	NC (US)
STAR	UNARM		1	KEHO	SHELBY	NC (US)
STAR	CHPTR		5	KAFF	WADESBORO	NC (US)

QUALITY
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STAR	UNARM	1	KAFP	WADESBORO	NC (US)
STAR	CHPTR	5	KN52	WAXHAW	NC (US)
STAR	UNARM	1	KN52	WAXHAW	NC (US)
STAR	CHPTR	5	KDCM	CHESTER	SC (US)
STAR	UNARM	1	KDCM	CHESTER	SC (US)
STAR	CHPTR	5	KLKR	LANCASTER	SC (US)
STAR	UNARM	1	KLKR	LANCASTER	SC (US)
STAR	CHPTR	5	KUZA	ROCK HILL	SC (US)
STAR	UNARM	1	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

FIX USE: REMOVED HUGO SID FROM KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KLKR AND KUZA AIRPORTS.

FIX USE: ADDED KGMU APPROACHES.

DEVELOPED BY: **DATE:** 12/14/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: GSP APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JONZE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344507.90N/0813059.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	244.56	064.56	L	10	10000	21000	15	19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (45-001858)	344729.00N/0813841.00W	1188	5D

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BANKR (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	JONZE (RNAV)		1	KCLT	CHARLOTTE	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/17/2017

REASON FOR REVISION:

CHANGED PAT 1 CRS INBOUND FROM 064.61.
ADDED HIGH CHARTING.

DEVELOPED BY:

DATE: 03/03/2017

OFFICE: AJV-5422

NAME: DAVID DOWLING

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NTRST

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 335651.21N/0815318.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (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: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PONZE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 334654.76N/0815745.93W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC

PAT

AIRPORT IDENT
KCLT

CITY
CHARLOTTE

STATE
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROBR

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344806.11N/0811608.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC PAT

AIRPORT IDENT CITY
KCLT CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: STKUP

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 345942.02N/0810256.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
BANKR (RNAV)

FAC

PAT

AIRPORT IDENT
KCLT

CITY
CHARLOTTE

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY: DATE: 02/09/2016

OFFICE: AJV-5442

NAME: JEFF ANDERSON (JACOB MAXFIELD)

APPROVED BY: DATE: 05/09/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: CLT APP CON
OTHER:

INFORMATION ONLY

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOOOO

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 351927.51N/0805554.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR

STAR

USE TITLE

BANKR (RNAV)

JONZE (RNAV)

FAC

PAT

AIRPORT IDENT

KCLT

KCLT

CITY

CHARLOTTE

CHARLOTTE

STATE

NC (US)

NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/21/2016

DEVELOPED BY:

DATE: 02/09/2016

OFFICE: AJV-5410

NAME: JEFF ANDERSON (JACOB MAXFIELD)

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ARTCC: ZTL

ATC FACILITY: CLT APP CON

OTHER:

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14
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