

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: CANCEL

FIX MAKE-UP FACILITIES:

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

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	191.00	011.00	R	10	4000 6000	15 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BUILDING (37-001250)	351339.00N/0805032.00W	1633	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ASSIGNED FACILITY MAGVAR: W05/1985.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 1 USED FOR LOST COMM PROCEDURES WITH BANKR/PARQR STARS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT			VUJ	ALBEMARLE	NC (US)
DP	KNIGHTS			VUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE			CLT	CHARLOTTE	NC (US)
DP	KERMIT			CLT	CHARLOTTE	NC (US)
DP	KNIGHTS			CLT	CHARLOTTE	NC (US)
DP	KERMIT			JQF	CONCORD	NC (US)
DP	KNIGHTS			JQF	CONCORD	NC (US)
DP	KERMIT			AKH	GASTONIA	NC (US)
DP	KNIGHTS			AKH	GASTONIA	NC (US)
DP	KERMIT			IPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			IPJ	LINCOLNTON	NC (US)
DP	KERMIT			EQY	MONROE	NC (US)
DP	KNIGHTS			EQY	MONROE	NC (US)
DP	KERMIT			RUQ	SALISBURY	NC (US)
DP	KNIGHTS			RUQ	SALISBURY	NC (US)
DP	KERMIT			LKR	LANCASTER	SC (US)
DP	KNIGHTS			LKR	LANCASTER	SC (US)
DP	KERMIT			UZA	ROCK HILL	SC (US)
DP	KNIGHTS			UZA	ROCK HILL	SC (US)
EN ROUTE	V37					(US)
EN ROUTE	V409					(US)
IAP	ILS OR LOC RWY 18C			CLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 18L			CLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 18R			CLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36C			CLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36L			CLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 36R			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 18R (CAT II & III)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 18R (SA CAT I)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36C (CAT II & III)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36L (CAT II & III)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36L (SA CAT I)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (CAT II & III)			CLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (SA CAT I)			CLT	CHARLOTTE	NC (US)
IAP	NDB RWY 3			AKH	GASTONIA	NC (US)
STAR	BANKR		1	CLT	CHARLOTTE	NC (US)
STAR	BTSEY			CLT	CHARLOTTE	NC (US)
STAR	LIINN			CLT	CHARLOTTE	NC (US)
STAR	MAJIC			CLT	CHARLOTTE	NC (US)
STAR	PARQR		1	CLT	CHARLOTTE	NC (US)
STAR	RASLN			CLT	CHARLOTTE	NC (US)
STAR	UNARM			CLT	CHARLOTTE	NC (US)
STAR	LIINN			AKH	GASTONIA	NC (US)
STAR	MAJIC			AKH	GASTONIA	NC (US)
STAR	RASLN			AKH	GASTONIA	NC (US)
STAR	LIINN			IPJ	LINCOLNTON	NC (US)
STAR	MAJIC			IPJ	LINCOLNTON	NC (US)
STAR	RASLN			IPJ	LINCOLNTON	NC (US)
STAR	LIINN			EQY	MONROE	NC (US)
STAR	MAJIC			EQY	MONROE	NC (US)

STAR	RASLN	EQY	MONROE	NC (US)
STAR	LIINN	EHO	SHELBY	NC (US)
STAR	MAJIC	EHO	SHELBY	NC (US)
STAR	RASLN	EHO	SHELBY	NC (US)
STAR	LIINN	AFP	WADESBORO	NC (US)
STAR	MAJIC	AFP	WADESBORO	NC (US)
STAR	RASLN	AFP	WADESBORO	NC (US)
STAR	LIINN	N52	WAXHAW	NC (US)
STAR	MAJIC	N52	WAXHAW	NC (US)
STAR	RASLN	N52	WAXHAW	NC (US)
STAR	LIINN	DCM	CHESTER	SC (US)
STAR	MAJIC	DCM	CHESTER	SC (US)
STAR	RASLN	DCM	CHESTER	SC (US)
STAR	LIINN	LKR	LANCASTER	SC (US)
STAR	MAJIC	LKR	LANCASTER	SC (US)
STAR	RASLN	LKR	LANCASTER	SC (US)
STAR	LIINN	UZA	ROCK HILL	SC (US)
STAR	MAJIC	UZA	ROCK HILL	SC (US)
STAR	RASLN	UZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 32

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: REMOVED "ILS Y OR LOC Y RWY 28 AND ILS Z OR LOC Z RWY 28" AT KSVH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: ANA VEGA

APPROVED BY:

DATE: 06/04/2026

OFFICE: AJV-A431

NAME: CASEY HILL

SIGNATURE:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: PEKNN STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 351241.36N/0795221.62W TYPE: WP, 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	SANDHILLS	SDZ	VORTAC	L	272.10	269.10	14.00	14.00	2500	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW		WP	207.22	027.22	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	351539.13N/0794819.54W	880	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

CHART ON SECTIONAL - ATC REQUEST.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHARLOTTE			VUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE			CLT	CHARLOTTE	NC (US)
DP	CHARLOTTE			JQF	CONCORD	NC (US)
DP	CHARLOTTE			AKH	GASTONIA	NC (US)
DP	CHARLOTTE			IPJ	LINCOLNTON	NC (US)
DP	CHARLOTTE			EQY	MONROE	NC (US)
DP	CHARLOTTE			RUQ	SALISBURY	NC (US)
DP	CHARLOTTE			LKR	LANCASTER	SC (US)
DP	CHARLOTTE			UZA	ROCK HILL	SC (US)
EN ROUTE	T398					(US)
IAP	ILS OR LOC RWY 22L	1		VUJ	ALBEMARLE	NC (US)
IAP	RNAV (GPS) RWY 21		1	43A	STAR	NC (US)
IAP	RNAV (GPS) RWY 3			43A	STAR	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. REMOVED "INT" FROM FIX TYPE.
2. REMOVED AIRSPACE DOCKET "21 ASW 10."
3. FIX MAKE-UP FACILITIES: REMOVED "FAC 2 CHESTERFIELD VOR/DME" AND ASSOCIATED DATA.
4. REMARKS: REMOVED "SANDHILLS (FAC 1) USED TO ESTABLISH FIX COORDINATES."
5. FIX USE: REMOVED "NDB RWY 22L" AT VUJ.
6. FIX USE: REMOVED KNIGHTS SID AT AKH, CLT, EQY, IPJ, JQF, LKR, RUQ, UZA, VUJ AIRPORTS.
7. FIX USE: ADDED CHARLOTTE SID AT AKH, CLT, EQY, IPJ, JQF, LKR, RUQ, UZA, VUJ AIRPORTS.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: LISA DUDZINSKI

APPROVED BY: DATE: 07/30/2026 OFFICE: AJV-A432 NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SUGARLOAF MOUNTAIN VORTAC

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 352423.42N/0821607.01W

TYPE:

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 FEET	MRA	MAA
1	SUGARLOAF MOUNTAIN	SUG	VORTAC	L						17500

FIX RESTRICTIONS:

MCA V35 6400 NORTHBOUND
MCA V53 6400 NORTHBOUND

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	354103.00N/0821742.00W	5529	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
UPN	230	290

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 7600.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAGVAR W02/1970

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT			VUJ	ALBEMARLE	NC (US)
DP	KNIGHTS			VUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			AVL	ASHEVILLE	NC (US)
DP	CHARLOTTE			CLT	CHARLOTTE	NC (US)
DP	KERMIT			CLT	CHARLOTTE	NC (US)
DP	KNIGHTS			CLT	CHARLOTTE	NC (US)
DP	KERMIT			JQF	CONCORD	NC (US)
DP	KNIGHTS			JQF	CONCORD	NC (US)
DP	KERMIT			AKH	GASTONIA	NC (US)
DP	KNIGHTS			AKH	GASTONIA	NC (US)
DP	HICKORY			HKY	HICKORY	NC (US)
DP	KERMIT			IPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			IPJ	LINCOLNTON	NC (US)
DP	KERMIT			EQY	MONROE	NC (US)
DP	KNIGHTS			EQY	MONROE	NC (US)
DP	KERMIT			RUQ	SALISBURY	NC (US)
DP	KNIGHTS			RUQ	SALISBURY	NC (US)
DP	KERMIT			LKR	LANCASTER	SC (US)
DP	KNIGHTS			LKR	LANCASTER	SC (US)
DP	KERMIT			UZA	ROCK HILL	SC (US)
DP	KNIGHTS			UZA	ROCK HILL	SC (US)
DP	KINGS			TRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	CHATTANOOGA			CHA	CHATTANOOGA	TN (US)
EN ROUTE	V185					(US)
EN ROUTE	V20					(US)
EN ROUTE	V222					(US)
EN ROUTE	V35					(US)
EN ROUTE	V364					(US)
EN ROUTE	V53					(US)
IAP	ILS OR LOC RWY 35			AVL	ASHEVILLE	NC (US)
IAP	LOC RWY 17			AVL	ASHEVILLE	NC (US)
IAP	LOC RWY 3			MRN	MORGANTON	NC (US)
IAP	LOC RWY 1			FQD	RUTHERFORDTON	NC (US)
IAP	NDB RWY 23			EHO	SHELBY	NC (US)
IAP	ILS Y OR LOC Y RWY 1 (ALT MISS)			GMU	GREENVILLE	SC (US)
IAP	ILS Z OR LOC Z RWY 1 (ALT MISS)			GMU	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 5 (ALT MISS)			GYH	GREENVILLE	SC (US)
STAR	LIINN			CLT	CHARLOTTE	NC (US)
STAR	LIINN			AKH	GASTONIA	NC (US)
STAR	LIINN			IPJ	LINCOLNTON	NC (US)
STAR	LIINN			EQY	MONROE	NC (US)
STAR	LIINN			EHO	SHELBY	NC (US)
STAR	LIINN			AFP	WADESBORO	NC (US)
STAR	LIINN			N52	WAXHAW	NC (US)
STAR	LIINN			DCM	CHESTER	SC (US)
STAR	UNMAN (RNAV)			GMU	GREENVILLE	SC (US)
STAR	UNMAN (RNAV)			GYH	GREENVILLE	SC (US)

STAR	UNMAN (RNAV)	GSP	GREER	SC (US)
STAR	LIINN	LKR	LANCASTER	SC (US)
STAR	UNMAN (RNAV)	LQK	PICKENS	SC (US)
STAR	LIINN	UZA	ROCK HILL	SC (US)
STAR	UNMAN (RNAV)	SPA	SPARTANBURG	SC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 14

DATE OF REVISION: 12/05/2019

REASON FOR REVISION:

CONTROLLING OBST: CHANGED UPN HOLDING CONTROLLING OBSTACLE FROM "6703 TOWER (37-00060)" TO "5529 AAO".

PRECIP: CHANGED UPN PRECIPITOUS TERRAIN ADJUSTMENT FROM 220 TO 290.

HOLDING RESTRICTIONS: CHANGED HOLDING RESTRICTION ALTITUDE FROM 7000 TO 7600.

REMARKS: REMOVED "UNPLANNED HOLDING OBSTACLE LOCATED 1.77 NM INTO SECONDARY AREA".

FIX USE: ADDED KING DP @ KTRI; ADDED KERMIT DP @ KVUJ, KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KLKR, KUZA; ADDED KAVL - LOC RWY 17; ADDED "(ALT MISS)" TO KGYH - ILS OR LOC RWY 5 AND KGMU - ILS Y OR LOC Y RWY 1 AND ILS Z OR LOC Z RWY 1; DELETED KGSP - ILS OR LOC RWY 4, ILS RWY 4 (CAT II-III), AND ILS RWY 4 (SA CAT I).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JACOB MAXFIELD

APPROVED BY:

DATE: 10/09/2019

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY:
OTHER:

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