

FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name BRNKO (RNAV)	Number TWO	STAR Computer Code BRNKO.BRNKO2	Superseded Number ONE	Dated 3/26/2020	Effective Date 31 DEC 20
-------------------------------------	----------------------	---	---------------------------------	---------------------------	------------------------------------

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
SHRPE	SHRPE.BRNKO2	SHRPE	SHRPE						
			PYTNN	240.29	53.46	FL180	5100		
			ELWAY	239.90	38.03	FL180	5900		
			BRNKO	238.33	52.19	14000	7300		BETWEEN 14000 AND 16000

ARRIVAL ROUTE DESCRIPTION:

LANDING KAPA: FROM BRNKO ON TRACK 247.31/4.07 TO CROSS PICKK AT OR BELOW 14000, THEN ON TRACK 247.34/9.43 TO CROSS BLTZZ AT 12000 AND AT OR BELOW 250 KIAS, THEN ON TRACK 247.26/25.61 TO CROSS BWLIN AT 10000, THEN ON TRACK 189.26/14.19 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.33 TO CROSS PYDRT AT 9000, THEN ON TRACK 175.66/24.99 TO CROSS AAYES AT 9000, THEN ON TRACK 150.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KBJC: FROM BRNKO ON TRACK 247.31/4.07 TO CROSS PICKK AT OR BELOW 14000, THEN ON TRACK 247.34/9.43 TO CROSS BLTZZ AT 12000 AND AT OR BELOW 250 KIAS, THEN ON TRACK 247.26/25.61 TO CROSS BWLIN AT 10000, THEN ON TRACK 189.26/14.19 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.33 TO CROSS PYDRT AT 9000. EXPECT RNAV (GPS) RWY 12L APPROACH OR VISUAL APPROACH AS ASSIGNED BY ATC.

LANDING KFNL/KGXY: FROM BRNKO ON TRACK 247.31/4.07 TO CROSS PICKK AT OR BELOW 14000, THEN ON TRACK 247.34/9.43 TO CROSS BLTZZ AT 12000 AND AT OR BELOW 250 KIAS, THEN ON TRACK 246.83/12.05 TO CROSS ORRNG AT 9000, THEN ON TRACK 246.83. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KLMO: FROM BRNKO ON TRACK 247.31/4.07 TO CROSS PICKK AT OR BELOW 14000, THEN ON TRACK 247.34/9.43 TO CROSS BLTZZ AT 12000 AND AT OR BELOW 250 KIAS, THEN ON TRACK 247.26/25.61 TO CROSS BWLIN AT 10000, THEN ON TRACK 189.26/14.19 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.00 TO CROSS HBALL AT 9000, THEN ON TRACK 176.15. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

DEN ARTCC, DEN APP/DEP CON, APA ATIS, APA TWR, BJC ATIS, BJC TWR.

AIRPORTS SERVED:

- CENTENNIAL, DENVER, CO (KAPA)
- GREELEY-WELD COUNTY, GREELEY, CO (KGXY)
- NORTHERN COLORADO RGNL, FORT COLLINS/LOVELAND, CO (KFNL)
- ROCKY MOUNTAIN METROPOLITAN, DENVER, CO (KBJC)
- VANCE BRAND, LONGMONT, CO (KLMO)



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BRNKO (RNAV)	TWO	BRNKO.BRNKO2	ONE	3/26/2020	31 DEC 20

LOST COMMUNICATIONS PROCEDURE:

- LANDING KAPA: FROM AAYES DIRECT LOWRE AND EXECUTE RNAV (GPS) RWY 17L APPROACH.
- LANDING KBJC: FROM PYDRT EXECUTE RNAV (GPS) RWY 12L APPROACH.
- LANDING KLMO: FROM HBALL DIRECT KAYOO DIRECT WOLTS AND EXECUTE RNAV (GPS) RWY 29 APPROACH.
- LANDING KFNL/KGXY: PROCEED TO GLL VOR/DME, EXECUTE APPROACH.

REMARKS:

MEA'S FL180 AND ABOVE ARE NEEDED TO MITIGATE CRITICAL DME'S AND INSURE ADEQUATE SIGNAL COVERAGE FOR DME/DME/IRU NAVIGATION.

ADDITIONAL FLIGHT DATA:

- DME/DME ASSESSMENT: UNSAT.
- REFERENCE MAGNETIC VARIATION = KBJC 09E/2015.
- CHART: KAPA, KBJC, KFNL, KGXY, KLMO.
- CHART AT ORRNG TERMINUS: LDG KFNL AND KGXY.
- CHART AT HBALL TERMINUS: LDG KLMO.
- CHART AT PYDRT TERMINUS: LDG KBJC.
- CHART AT AAYES TERMINUS: LDG KAPA.
- DO NOT CHART MOCA'S.

FLIGHT INSPECTED BY:

DONAL MCGOUGH	FICO	9/2/2020
Name	Organization	Date

Digitally signed by
DAVID DANNER

Sep 21, 2020 Signature

Digitally signed by
DAVID DANNER

Sep 21, 2020

DEVELOPED BY:

Mark Phipps Denver Metroplex Manager	DENVER ARTCC	5/13/2020
Name	Organization	Date

Digitally signed by
DAVID DANNER

Sep 21, 2020 Signature

APPROVED BY:

PAT MULQUEEN, MANAGER	AJV-A440	
Name	Organization	Date

CHANGES:

1. REMOVAL OF "AND AT OR BELOW 250 KIAS" AT REDZN.
2. ADDITION OF RESTRICTION "AND AT OR BELOW 250 KIAS" AT BLTZZ.

REASONS:

1. RESTRICTION TOO CLOSE TO CLASS B AIRSPACE.
2. RESTRICTION NEEDED ON ROUTE PRIOR TO CLASS B AIRSPACE.

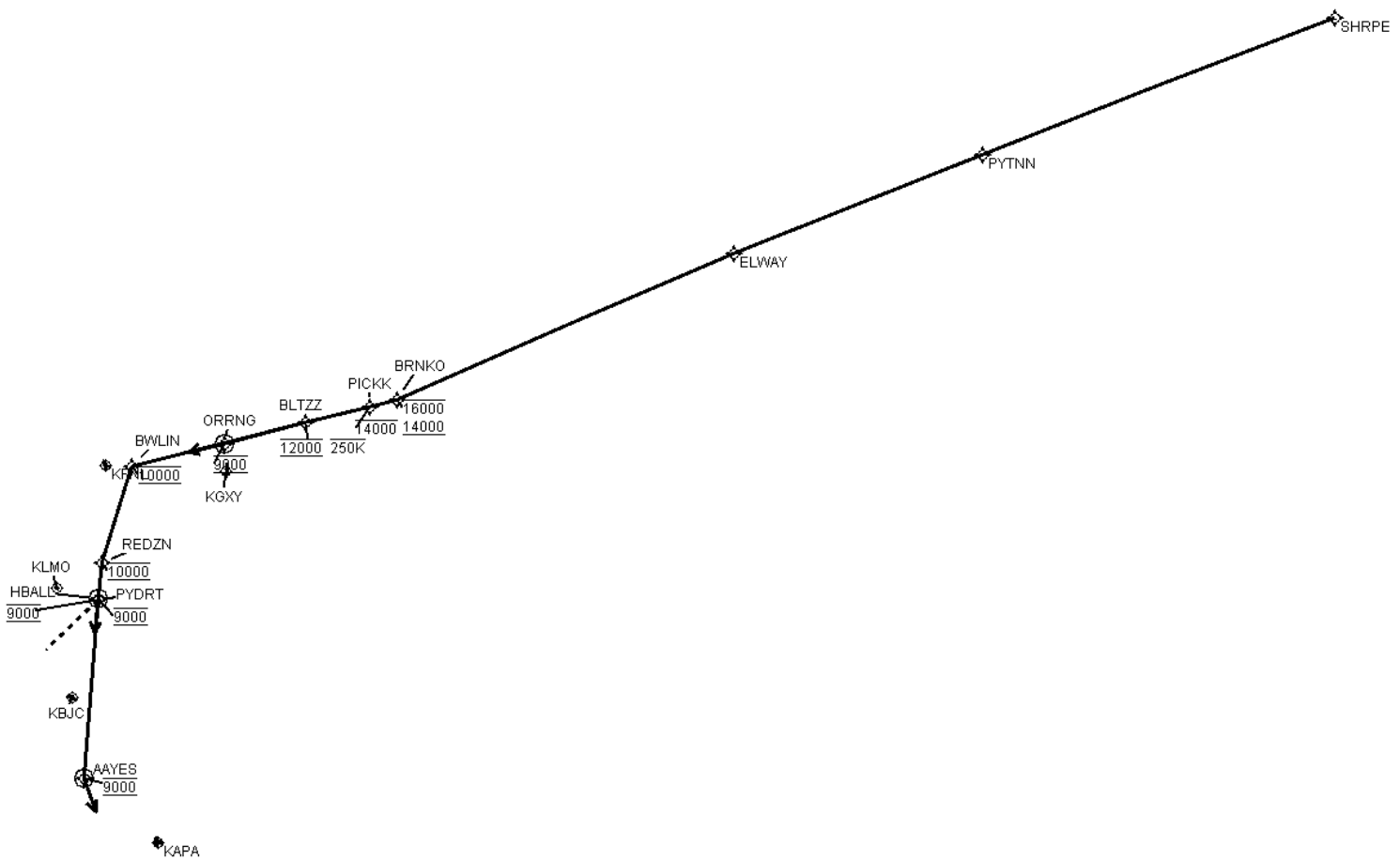


FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BRNKO (RNAV)	TWO	BRNKO.BRNKO2	ONE	3/26/2020	31 DEC 20

Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name BRNKO (RNAV)	Number TWO	STAR Computer Code BRNKO.BRNKO2	Superseded Number ONE	Dated 3/26/2020	Effective Date 31 DEC 20
-------------------------------------	----------------------	---	---------------------------------	---------------------------	------------------------------------

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
SHRPE	412947.87N / 1010936.76W	Y		IF					SHRPE.BRNKO2
PYTNN	411033.70N / 1021549.64W	Y	FB	TF	249.29	53.46			
ELWAY	405642.28N / 1030239.24W	Y	FB	TF	248.90	38.03			
BRNKO	403617.35N / 1040552.87W	Y	FB	TF	247.33	52.19	14000B16000		

Common Route									
BRNKO	403617.35N / 1040552.87W	Y		IF			14000B16000		BRNKO.BRNKO2
PICKK	403519.41N / 1041104.24W	Y	FB	TF	256.31	04.07	AT/BELOW 14000		
BLTZZ	403305.10N / 1042305.26W	Y	FB	TF	256.34	09.43	AT 12000	AT/BELOW 250K	
BWLIN	402655.27N / 1045540.09W	Y	FB	TF	256.26	25.61	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	198.26	14.19	AT 10000		
PYDRT	400807.62N / 1050205.63W	Y	FB	TF	185.15	05.33	AT 9000		
AAYES	394312.01N / 1050443.35W	Y	FO	TF	184.66	24.99	AT 9000		
KAPA				FM	159.00				LANDING KAPA

Common Route									
BRNKO	403617.35N / 1040552.87W	Y		IF			14000B16000		BRNKO.BRNKO2
PICKK	403519.41N / 1041104.24W	Y	FB	TF	256.31	04.07	AT/BELOW 14000		
BLTZZ	403305.10N / 1042305.26W	Y	FB	TF	256.34	09.43	AT 12000	AT/BELOW 250K	
BWLIN	402655.27N / 1045540.09W	Y	FB	TF	256.26	25.61	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	198.26	14.19	AT 10000		
PYDRT	400807.62N / 1050205.63W	Y	FB	TF	185.15	05.33	AT 9000		LANDING KBJC

Common Route									
BRNKO	403617.35N / 1040552.87W	Y		IF			14000B16000		BRNKO.BRNKO2
PICKK	403519.41N / 1041104.24W	Y	FB	TF	256.31	04.07	AT/BELOW 14000		
BLTZZ	403305.10N / 1042305.26W	Y	FB	TF	256.34	09.43	AT 12000	AT/BELOW 250K	



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name BRNKO (RNAV)	Number TWO	STAR Computer Code BRNKO.BRNKO2	Superseded Number ONE	Dated 3/26/2020	Effective Date 31 DEC 20
-------------------------------------	----------------------	---	---------------------------------	---------------------------	------------------------------------

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
ORRNG	403006.91N / 1043824.52W	Y	FO	TF	255.83	12.05	AT 9000		
KFNL,KGXY				FM	255.83				LANDING KFNL, KGXY

Common Route

BRNKO	403617.35N / 1040552.87W	Y		IF			14000B16000		BRNKO.BRNKO2
PICKK	403519.41N / 1041104.24W	Y	FB	TF	256.31	04.07	AT/BELOW 14000		
BLTZZ	403305.10N / 1042305.26W	Y	FB	TF	256.34	09.43	AT 12000	AT/BELOW 250K	
BWLIN	402655.27N / 1045540.09W	Y	FB	TF	256.26	25.61	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	198.26	14.19	AT 10000		
HBALL	400827.12N / 1050203.34W	Y	FO	TF	185.15	05.00	AT 9000		
KLMO				FM	185.15				LANDING KLMO

