

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name		Number	STAR Computer Code	Superseded Number	Dated	Effective Date			
LONGZ (RNAV)		FOUR	LONGZ.LONGZ4	THREE	05/16/2024				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BIVVY	BIVVY.LONGZ4	BIVVY	BIVVY						BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220
BYYKE	BYYKE.LONGZ4	BYYKE	BYYKE						AT/ABOVE FL250
			BIVVY	088.62	17.29	15700	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220
GRAYZ	GRAYZ.LONGZ4	GRAYZ	GRAYZ						
			BYYKE	087.57	52.65	15700	15700		AT/ABOVE FL250
			BIVVY	088.62	17.29	15700	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220
KAMPR	KAMPR.LONGZ4	KAMPR	KAMPR						
			GRAYZ	086.73	62.95	15700	15700		
			BYYKE	087.57	52.65	15700	15700		AT/ABOVE FL250
			BIVVY	088.62	17.29	15700	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220
LBERT	LBERT.LONGZ4	LBERT	LBERT						
			TORYS	069.16	72.15	15700	15700		
			BYYKE	076.25	52.72	15700	15700		AT/ABOVE FL250
			BIVVY	088.62	17.29	15700	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220
TORYS	TORYS.LONGZ4	TORYS	TORYS						
			BYYKE	076.25	52.72	15700	15700		AT/ABOVE FL250

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name			Number	STAR Computer Code		Superseded Number			Dated	Effective Date
LONGZ (RNAV)			FOUR	LONGZ.LONGZ4		THREE			05/16/2024	
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			BIVVY	088.62	17.29	15700	15700		BETWEEN FL230 AND FL270	
			VESTL	088.47	11.37	15700	15700		BETWEEN FL210 AND FL250	
			LONGZ	093.60	13.41	15700	15700		BETWEEN FL190 AND FL220	

ARRIVAL ROUTE DESCRIPTION:

FROM LONGZ ON TRACK 093.78/12.00 TO CROSS FLNEL BETWEEN 16000 AND FL190 AND AT 250 KIAS.

LANDING RWY 7, 8: FROM FLNEL ON TRACK 114.62/12.00 TO CROSS GILPN AT 14000, THEN ON TRACK 170.00/8.10 TO CROSS BASHE AT 13000 AND AT 210 KIAS, THEN ON TRACK 170.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 16L/R, 17L/R: FROM FLNEL ON TRACK 091.96/19.33 TO CROSS BEOND AT 13000 AND AT 210 KIAS, THEN ON TRACK 092.17/4.05 TO CROSS SWAYN AT OR ABOVE 12000, THEN ON TRACK 092.22/4.51 TO CROSS KAILE AT 11000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 16L, RWY 16R, RWY 17L, RWY 17R APPROACH.

LANDING RWY 25, 26: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 106.08/11.48 TO CROSS SKEWD BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 117.50/4.70 TO CROSS LEKEE AT OR ABOVE 12000, THEN ON TRACK 117.55/5.24 TO XCUTV, THEN ON TRACK 082.50/3.30 TO CROSS CAPTJ AT 11000 AND AT 210 KIAS, THEN ON TRACK 082.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 34L/R, 35L: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 127.25/9.65 TO CROSS ARCHY AT OR ABOVE 13000, THEN ON TRACK 127.33/5.00 TO CROSS BABAA BETWEEN 12000 AND 14000 AND AT 250 KIAS, THEN ON TRACK 173.17/10.95 TO CROSS HIMOM AT 11000 AND AT 210 KIAS, THEN ON TRACK 173.17. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 35R: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 106.08/11.48 TO CROSS SKEWD BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 117.50/4.70 TO CROSS LEKEE AT OR ABOVE 12000, THEN ON TRACK 117.55/5.24 TO XCUTV, THEN ON TRACK 117.48/4.00 TO CROSS HDGHG BETWEEN 12000 AND 14000, THEN ON TRACK 117.82/3.13 TO FFFAT, THEN ON TRACK 172.74/6.11 TO CROSS DOGGG AT 11000 AND AT 210 KIAS, THEN ON TRACK 172.74. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

NOTE: BYYKE, BIVVY, GRAYZ, AND TORYS TRANSITIONS, ATC ASSIGNED ONLY.

NOTE: DENVER CENTER WILL ISSUE "DESCEND VIA" CLEARANCE AND LANDING DIRECTION.

NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON.

NOTE: LANDING NORTH SELECT RWY 34R TRANSITION.

NOTE: LANDING SOUTH SELECT RWY 16L TRANSITION.

NOTE: LANDING EAST SELECT RWY 7 TRANSITION.

NOTE: LANDING WEST SELECT RWY 26 TRANSITION.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BYYKE: HOLD W, RT, 087.57 INBOUND, 12 NM LEGS.

CHART HOLDING AT FLNEL: HOLD W, LT, 093.78 INBOUND, 10 NM LEGS.

CHART HOLDING AT GRAYZ: HOLD W, LT, 086.73 INBOUND, 12 NM LEGS.

CHART HOLDING AT TORYS: HOLD W, RT, 069.16 INBOUND, 12 NM LEGS.

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
LONGZ (RNAV)	FOUR	LONGZ.LONGZ4	THREE	05/16/2024	

CHART HOLDING AT VESTL: HOLD W, RT, 088.47 INBOUND, 12 NM LEGS.
CHART HOLDING AT YYALE: HOLD W, LT, 092.00 INBOUND, 12 NM LEGS.
CHART HOLDING AT BABAA: HOLD NW, LT, 127.33 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHART: DENVER ARTCC.
CHART: DENVER TOWER.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
DEN	DENVER	CO

LOST COMMUNICATIONS PREFERENCES:

IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY TRANSITION ASSIGNMENT, WHEN DEN IS LANDING SOUTH PROCEED ON THE ILS RWY 16L, WHEN DEN IS LANDING NORTH, PROCEED ON THE ILS RWY 34R.

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: DEN 08E/2015
CHART AT BASHE TERMINUS: DEN LDG RWY 7, 8
CHART AT CAPTJ TERMINUS: DEN LDG RWY 25, 26
CHART AT DOGGG TERMINUS: DEN LDG RWY 35R
CHART AT HIMOM TERMINUS: DEN LDG RWY 34L/R, 35L
CHART AT KAILE TERMINUS: DEN LDG RWY 16L/R, 17L/R

FLIGHT INSPECTED BY: JEREMY C LEIGHTON	<i>Digitally signed by</i> ROBERT G HAMILTON Feb 06, 2025	ORGANIZATION: AJF	DATE: 01/24/2025	Flight Inspected Signature:	_____
DEVELOPED BY: Jenifer Nordstom	<i>Digitally signed by</i> ROBERT G HAMILTON Feb 06, 2025	ZDV Airspace&Procedur es	05/01/2024	Developed By Signature:	_____
APPROVED BY: Bev Bordy	<i>Digitally signed by</i> ROBERT G HAMILTON Feb 06, 2025	AJV-A430		Approved By Signature:	_____

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
LONGZ (RNAV)	FOUR	LONGZ.LONGZ4	THREE	05/16/2024	

CHANGES:

1. ADDED EN ROUTE TRANSITIONS BEGINNING AT BIVVY, GRAYZ, AND TORYS WPS WITH NOTE: ATC ASSIGNED ONLY.
2. ADDED HOLDING AT BABAA WP: HOLD NW, LT, 127.33 INBOUND, 10 NM LEGS.
3. CHANGED MAX ALTITUDE AT FLNEL FROM FL210 TO FL190.
4. REMOVED 280 KIAS SPEED RESTRICTION FROM BIVVY WP AND VESTL WP.
5. CHANGED NOTE: FROM LANDING SOUTH SELECT RWY 16R TO LANDING SOUTH SELECT RWY 16L.
6. CHANGED LOST COMMUNICATIONS FROM EXECUTE ILS RWY 16R TO EXECUTE ILS RWY 16L.
7. REVISED MEAs.
8. REMOVED AIRPORT NAME FROM AIRPORTS SERVED AND ADDED AIRPORT ID; REMOVED K IDENT FROM 17.1 FORM.
9. REMOVED DEN APP CON FROM COMMUNICATIONS.
10. ADDED DEN ARTCC TO COMMUNICATIONS.
11. CHANGED HOLDING AT YYALE FROM 088.47 TO 092.00 INBOUND.

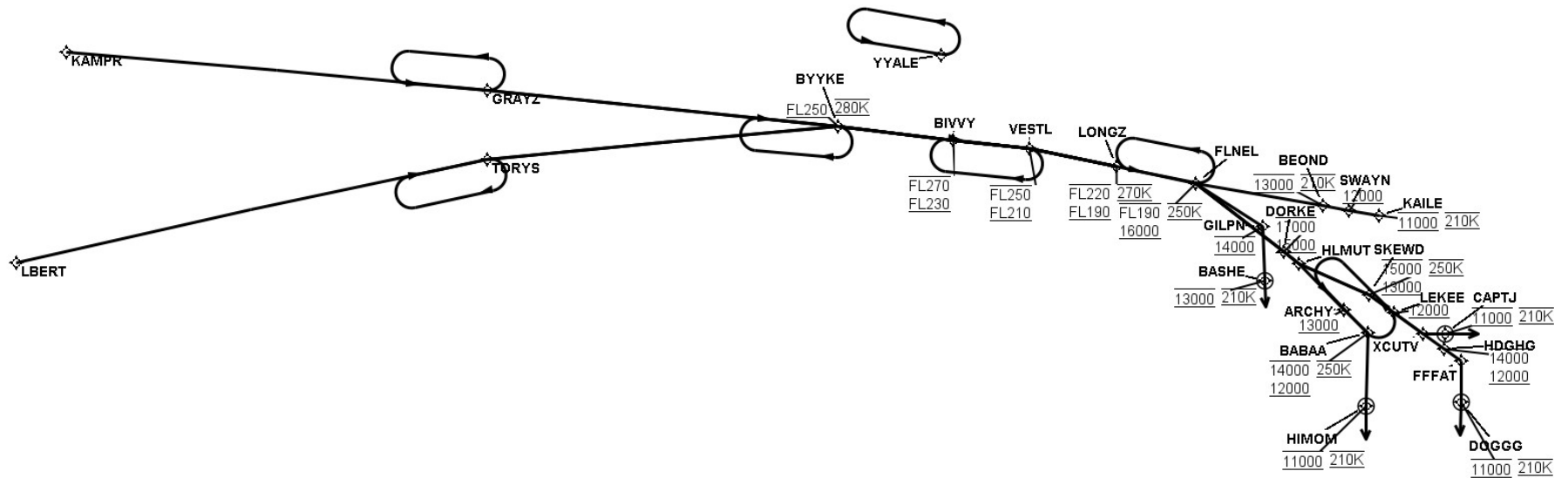
REASONS:

1. ATC REQUEST TO MITIGATE REROUTING AND RE-CLEARING AIRCRAFT DURING BUSY OR INCLEMENT WEATHER.
- 2-3. ATC REQUEST.
4. INDUSTRY REQUEST TO REDUCE CHART CLUTTER AND CONFUSION.
5. ATC REQUEST OPERATIONAL NEED.
6. ATC REQUEST TO MATCH NOTE CHANGE.
7. NEW OBSTACLE/TERRAIN EVALUATION AND DME/DME ASSESSMENT.
8. CURRENT DOCUMENTATION STANDARDS.
9. APPROACH CONTROL AUTOMATICALLY CHARTED AND DOES NOT NEED TO BE DOCUMENTED IN THIS SECTION IAW 8260.19J PARA 4-5-12(F).
- 10-11. ATC REQUEST.

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
LONGZ (RNAV)	FOUR	LONGZ.LONGZ4	THREE	05/16/2024	
Graphic Depiction 1					



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)**

Arrival Name LONGZ (RNAV)		Number FOUR		STAR Computer Code LONGZ.LONGZ4			Superseded Number THREE		Dated 05/16/2024	Effective Date
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
En Route Transition										
BIVVY	402712.13N / 1060920.44W	Y		IF			FL230BFL270		BIVVY.LONGZ4	
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250			
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K		
En Route Transition										
BYYKE	402914.01N / 1063150.34W	Y		IF			AT/ABOVE FL250	AT 280K	BYYKE.LONGZ4	
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270			
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250			
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K		
En Route Transition										
GRAYZ	403441.06N / 1074031.43W	Y		IF					GRAYZ.LONGZ4	
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	095.57	52.65	AT/ABOVE FL250	AT 280K		
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270			
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250			
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K		
En Route Transition										
KAMPR	404022.29N / 1090251.90W	Y		IF					KAMPR.LONGZ4	
GRAYZ	403441.06N / 1074031.43W	Y	FB	TF	094.73	62.95				
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	095.57	52.65	AT/ABOVE FL250	AT 280K		
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270			
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250			
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K		
En Route Transition										
LBERT	400850.90N / 1091240.34W	Y		IF					LBERT.LONGZ4	
TORYS	402417.08N / 1074035.34W	Y	FB	TF	077.16	72.15				
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	084.25	52.72	AT/ABOVE FL250	AT 280K		



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name LONGZ (RNAV)	Number FOUR	STAR Computer Code LONGZ.LONGZ4		Superseded Number THREE		Dated 05/16/2024		Effective Date	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270		
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250		
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K	
En Route Transition									
TORYS	402417.08N / 1074035.34W	Y		IF					TORYS.LONGZ4
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	084.25	52.72	AT/ABOVE FL250	AT 280K	
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270		
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250		
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K	
Common Route									
LONGZ	402311.18N / 1053721.13W	Y		IF			FL190BFL220	AT 270K	LONGZ.LONGZ4
FLNEL	402043.05N / 1052159.30W	Y	FB	TF	101.78	12.00	16000BFL190	AT 250K	
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL190	AT 250K	
GILPN	401413.89N / 1050847.43W	Y	FB	TF	122.62	12.00	AT 14000		
BASHE	400607.83N / 1050825.32W	Y	FO	TF	178.00	08.10	AT 13000	AT 210K	
KDEN:RWY 7,RWY 8				FM	178.00				
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL190	AT 250K	
BEOND	401719.61N / 1045706.64W	Y	FB	TF	099.96	19.33	AT 13000	AT 210K	
SWAYN	401636.54N / 1045154.09W	Y	FB	TF	100.17	04.05	AT/ABOVE 12000		
KAILE	401548.35N / 1044606.37W	Y	FB	TF	100.22	04.51	AT 11000	AT 210K	
KDEN:RWY 16L,RWY 16R,RWY 17L,RWY 17R									

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name LONGZ (RNAV)		Number FOUR		STAR Computer Code LONGZ.LONGZ4			Superseded Number THREE		Dated 05/16/2024	Effective Date
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
Runway Transition										
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL190	AT 250K		
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000			
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00				
SKEWD	400357.73N / 1044800.42W	Y	FB	TF	114.08	11.48	13000B15000	AT 250K		
LEKEE	400113.76N / 1044301.57W	Y	FB	TF	125.50	04.70	AT/ABOVE 12000			
XCUTV	395810.74N / 1043728.95W	Y	FB	TF	125.55	05.24				
CAPTJ	395808.94N / 1043311.12W	Y	FO	TF	090.50	03.30	AT 11000	AT 210K		
KDEN:RWY 25,RWY 26				FM	090.50					
Runway Transition										
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL190	AT 250K		
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000			
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00				
ARCHY	400148.15N / 1045249.16W	Y	FB	TF	135.25	09.65	AT/ABOVE 13000			
BABAA	395814.55N / 1044814.83W	Y	FB	TF	135.33	05.00	12000B14000	AT 250K		
HIMOM	394717.19N / 1044832.22W	Y	FO	TF	181.17	10.95	AT 11000	AT 210K		
KDEN:RWY 34L,RWY 34R,RWY 35L				FM	181.17					
Runway Transition										
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL190	AT 250K		
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000			
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00				
SKEWD	400357.73N / 1044800.42W	Y	FB	TF	114.08	11.48	13000B15000	AT 250K		
LEKEE	400113.76N / 1044301.57W	Y	FB	TF	125.50	04.70	AT/ABOVE 12000			
XCUTV	395810.74N / 1043728.95W	Y	FB	TF	125.55	05.24				
HDGHG	395551.26N / 1043314.89W	Y	FB	TF	125.48	04.00	12000B14000			

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name LONGZ (RNAV)	Number FOUR	STAR Computer Code LONGZ.LONGZ4		Superseded Number THREE		Dated 05/16/2024	Effective Date		
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
FFFAT	395401.30N / 1042957.17W	Y	FB	TF	125.82	03.13			
DOGGG	394754.32N / 1043003.31W	Y	FO	TF	180.74	06.11	AT 11000	AT 210K	
KDEN:RWY 35R				FM	180.74				

