

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
EMMYS	SEVEN	EMMYS7.ZIRKL	SIX	08/06/2018	30 JAN 2020

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

DENVER INTL:

TAKEOFF RWY 8: CLIMB ON HEADING 082.53 TO 5934, THEN DIRECT TO CROSS TIGHT AT OR BELOW 10000, THEN ON TRACK 082.27/5.51 TO CROSS HAAHN AT OR BELOW 12000, THEN ON TRACK 082.35/17.29 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY16L: CLIMB ON HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 072.54/11.60 TO TWEDT, THEN ON TRACK 072.70/11.09 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY 16R: CLIMB ON HEADING 172.51 TO INTERCEPT COURSE 117.93 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 072.54/11.60 TO TWEDT, THEN ON TRACK 072.70/11.09 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY 17L: CLIMB ON HEADING 172.54 TO INTERCEPT COURSE 127.46 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 072.54/11.60 TO TWEDT, THEN ON TRACK 072.70/11.09 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY 17R: CLIMB ON HEADING 172.53 TO INTERCEPT COURSE 117.95 TO CROSS GISTT AT OR ABOVE 7000, THEN ON TRACK 065.00/9.15 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 072.54/11.60 TO TWEDT, THEN ON TRACK 072.70/11.09 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY 25: CLIMB ON HEADING 262.51 TO 5934, THEN CONTINUE CLIMB ON HEADING 262.51 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO EMMYS, THENCE ...

TAKEOFF RWY 34L: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 059.00 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 097.54/8.92 TO CROSS BRSTO AT/BELOW 12000, THEN ON TRACK 092.27/14.35 TO CROSS GASSS AT/ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY 34R: CLIMB ON HEADING 352.51 TO INTERCEPT COURSE 059.00 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT/BELOW 10000, THEN ON TRACK 097.54/8.92 TO CROSS BRSTO AT/BELOW 12000, THEN ON TRACK 092.27/14.35 TO CROSS GASSS AT/ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY35L: CLIMB ON HEADING 352.53 TO INTERCEPT COURSE 024.97 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 097.54/8.92 TO CROSS BRSTO AT OR BELOW 12000, THEN ON TRACK 092.27/14.35 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

TAKEOFF RWY35R: CLIMB ON HEADING 352.54 TO INTERCEPT COURSE 017.95 TO NUGGS, THEN ON TRACK 079.80/9.65 TO CROSS HIDEF AT OR BELOW 10000, THEN ON TRACK 097.54/8.92 TO CROSS BRSTO AT OR BELOW 12000, THEN ON TRACK 092.27/14.35 TO CROSS GASSS AT OR ABOVE 14000, THEN ON TRACK 076.79/3.00 TO SNIPR, THEN ON TRACK 076.82/5.11 TO EMMYS, THENCE ...

... ON DEPICTED ROUTE TO ZIRKL. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

CENTENNIAL:

TAKEOFF RWY 17L/R: CLIMB ON HEADING 169.95 TO 6400, THEN CONTINUE CLIMB ON HEADING 169.95 OR AS ASSIGNED BY ATC, THENCE ...

TAKEOFF RWY 35L/R: CLIMB ON HEADING 349.95 TO 6400 THEN CONTINUE CLIMB ON HEADING 349.95 OR AS ASSIGNED BY ATC, THENCE ...

... RADAR VECTORS TO EMMYS, THEN ON DEPICTED ROUTE TO ZIRKL. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ROCKY MOUNTAIN METROPOLITAN:

TAKEOFF RWY 12L/R: CLIMB ON HEADING BETWEEN 150 CCW 350 AS ASSIGNED BY ATC. THENCE ...

TAKEOFF RWY 30L/R: CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 113 AS ASSIGNED BY ATC. THENCE ...



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... RADAR VECTORS TO EMMYS, THEN ON DEPICTED ROUTE TO ZIRKL. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

NORTHERN COLORADO RGNL:

TAKEOFF RWY 15: CLIMB ON HEADING BETWEEN 180 CCW 350 AS ASSIGNED BY ATC. THENCE ...

TAKEOFF RWY 33: CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 150 AS ASSIGNED BY ATC. THENCE ...

... RADAR VECTORS TO EMMYS, THEN ON DEPICTED ROUTE TO ZIRKL. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

COLORADO AIR AND SPACE PORT:

TAKEOFF RWY 8: CLIMB ON HEADING 083.15 TO 6020, THEN CONTINUE CLIMB ON HEADING 083.15 OR AS ASSIGNED BY ATC, THENCE ...

TAKEOFF RWY 17: CLIMB ON HEADING 171.99 TO 6020, THEN CONTINUE CLIMB ON HEADING 171.99 OR AS ASSIGNED BY ATC, THENCE ...

TAKEOFF RWY 26: CLIMB ON HEADING 263.17 TO 6020, THEN CONTINUE CLIMB ON HEADING 263.17 OR AS ASSIGNED BY ATC, THENCE ...

TAKEOFF RWY 35: CLIMB ON HEADING 351.99 TO 6020, THEN CONTINUE CLIMB ON HEADING 351.99 OR AS ASSIGNED BY ATC, THENCE ...

... RADAR VECTORS TO EMMYS, THEN ON DEPICTED ROUTE TO ZIRKL. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
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PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: DENVER INTL AIRPORT-TAKEOFF RWY 16L, 16R, 17L, 17R, 34L, 34R, 35L, 35R - RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: ACCELERATE TO AT OR ABOVE 250 KNOTS ABOVE 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS ADVISE CLNC DEL PRIOR TO TAXI.

NOTE: DENVER INTL - RWY 25 DEPARTURES - RADAR REQUIRED.

NOTE: CENTENNIAL, ROCKY MOUNTAIN METROPOLITAN, NORTHERN COLORADO RGNL AND COLORADO AIR AND SPACE PORT AIRPORTS - RADAR REQUIRED.

TAKEOFF MINIMUMS:

DENVER INTL:

RWY 7, 26: NA - ATC.

RWY 8: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 260 FT PER NM TO 14000.

RWY 16L: STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 8700.

RWY16R: STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 215 FT PER NM TO 14000.

RWY 17L: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 280 FT PER NM TO 9300.

RWY17R: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 235 FT PER NM TO 14000.

RWY 25: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5934.

RWY 34L/R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 220 FT PER NM TO 14000.

RWY35L: STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 5934 THEN MINIMUM CLIMB OF 220 FT PER NM TO 14000.

RWY35R: STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 9000.

CENTENNIAL:

RWY 10, 28: NA - ATC.

RWY 35L/R: STANDARD.

RWY 17L: STANDARD WITH MINIMUM CLIMB OF 255 FT PER NM TO 8000.



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RWY 17R: STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 8000.

ROCKY MOUNTAIN METROPOLITAN:

RWY 3, 21: NA - ATC.

RWY 12L/R, 30R/L: STANDARD.

NORTHERN COLORADO RGNL:

RWY 6, 24: NA - VFR RUNWAY.

RWY 15, 33: STANDARD.

COLORADO AIR AND SPACE PORT:

RWY 8, 17, 26, 35: STANDARD.

TAKEOFF OBSTACLES NOTES:

DENVER INTL:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

ROCKY MOUNTAIN METROPOLITAN:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CENTENNIAL:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

NORTHERN COLORADO RGNL:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

COLORADO AIR AND SPACE PORT:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

CENTENNIAL:

RWY 17L: 6559 FT MSL AAO 392953.93N/1045044.26W.

RWY 17R: 6021 FT MSL OBS LIGHT ON BLDG 393302.52N/1045119.43W, 6559 FT MSL AAO 392953.93N/1045044.26W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDEN 8E EPOCH YR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

ALL AIRPORTS - CHART: TOP ALTITUDE: FL230.

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON EMMYS (IF), CW

FROM: POINT A (BEARING 029 DEGREES TO EMMYS)

TO: POINT B (BEARING 118 DEGREES TO EMMYS)

MINIMUM ALTITUDE 14000

AIRPORTS SERVED:

AIRPORT NAME

CITY

STATE



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DENVER INTL (KDEN)			DENVER		CO
CENTENNIAL (KAPA)			DENVER		CO
ROCKY MOUNTAIN METROPOLITAN (KBJC)			DENVER		CO
NORTHERN COLORADO RGNL (KFNL)			FORT COLLINS/LOVELAND		CO
COLORADO AIR AND SPACE PORT (KCFO)			DENVER		CO

COMMUNICATIONS:

DENVER INTERNATIONAL AIRPORT: D-ATIS DEP, CLNC DEP, CPDLC, DEN DEP CON

CENTENNIAL AIRPORT: ATIS, CLNC DEL, DEN DEP CON

ROCKY MOUNTAIN METROPOLITAN: ATIS, CLNC DEL, DEN DEP CON

NORTHERN COLORADO RGNL: DEN DEP CON

COLORADO AIR AND SPACE PORT: ATIS, CLNC DEL, DEN DEP CON, DEN CLNC DEL (WHEN TOWER CLOSED)

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT

CLIMB GRADIENTS AT CENTENNIAL OFF RWY 17R ARE OBSTACLE DRIVEN WITH THE CLIMB TO ALTITUDE DETERMINED BY LOCATION OF 8000 MVA AND PROXIMITY TO HIGHER MVA'S.

DENVER INTL CLIMB GRADIENTS ARE FOR FMS ENGAGEMENT AT SPECIFIC LOCATIONS AND FOR CROSSING GASSS AT/ABOVE 14000.

THE AIRLINE INDUSTRY HAS REQUESTED THAT BLOCK ALTITUDES NOT BE PUBLISHED ON THE PROCEDURE, WAIVER ON FILE TO REMOVE AT/ABOVE ALTITUDES ASSOCIATED WITH CROSS AT OR BELOW ALTITUDES.

ATC HAS REQUESTED TO DEVIATE FROM THE STANDARD NAMING CONVENTION CONTAINED IN FAAO 8260.46. SID NAMES CORRESPOND WITH WAYPOINT NAMES AT OUTER BOUNDARY OF DENVER TRACON/ARTCC AIRSPACE. WAIVER APPROVED AND ON FILE.

FLIGHT INSPECTED BY:

PROCESSED IAW AIRCRAFT OPS GRP (AJW-33) MEMO,
10/3/18, SUB: FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

ALLAN WILL

Dec 04, 2019

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

Nov 12, 2019

OFFICE SYMBOL:

AJV-A423

DATE:

08/19/2019

APPROVED BY:

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Dec 04, 2019

OFFICE SYMBOL:

AJV-A420

DATE:



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REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☒	☒	☒	☒	☐	☒

OTHER:

ZDV, BJC ATCT, DEN APP CON, CO AERO MGR, AMGR'S

CHANGES - REASONS:

1. CHANGED ALL AIRPORT NAME REFERENCES FROM FRONT RANGE TO COLORADO AIR AND SPACE PORT, ID CHANGED FROM KFTG TO KCFO - PER FPT/APT REQUEST.



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EMMYS		SEVEN		EMMYS7.ZIRKL		SIX		08/06/2018	30 JAN 2020
<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>
DENVER INTL (KDEN)									
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 400 FT PER NM TO 5934 THEN CG 260 FT PER NM TO 14000
5934 MSL	-	-	-	VA	090.53	-			
TIGHT	395228.24N/1042412.70W	Y	FB	DF	-	-	AT/BELOW 10000		
HAAHN	395226.46N/1041702.92W	Y	FB	TF	090.27	5.51	AT/BELOW 12000		
GASSS	395217.90N/1035435.25W	Y	FB	TF	090.35	17.29	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW16L (AER)	395349.33N/1044112.50W	N	-	-	-	-			
	394927.10N/1044115.54W	-	-	VI	180.51	4.37			CG 250 FT PER NM TO 8700
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	5.94	AT/ABOVE 7000		RECOMMENDED NAVAID: DENVER VOR/DME
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
TWEDT	395031.18N/1040848.39W	Y	FB	TF	080.54	11.60			
GASSS	395217.90N/1035435.25W	Y	FB	TF	080.70	11.09	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW16R (AER)	395344.87N/10444145.90W	N	-	-	-	-			CG 400 FT PER NM TO 5934 THEN CG 215 PER NM TO 14000
	394939.89N/1044148.73W	-	-	VI	180.51	3.98			

QUALITY
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CHECKED

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<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>
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.93	6.47	AT/ABOVE 7000		RECOMMENDED NAVAID: DENVER VOR/DME
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
TWEDT	395031.18N/1040848.39W	Y	FB	TF	080.54	11.60			
GASSS	395217.90N/1035435.25W	Y	FB	TF	080.70	11.09	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			CG 465 FT NM TO 5934 THEN CG 280 FT PER NM TO 9300
	394842.22N/1043831.05W	-	-	VI	180.54	3.19			
GISTT	394557.50N/1043501.10W	Y	FB	CF	135.46	3.85	AT/ABOVE 7000		RECOMMENDED NAVAID: DENVER VOR/DME
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		
TWEDT	395031.18N/1040848.39W	Y	FB	TF	080.54	11.60			
GASSS	395217.90N/1035435.25W	Y	FB	TF	080.70	11.09	AT/ABOVE 14000		
SNIPER	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-			CG 465 FT NM TO 5934 THEN CG 235 FT NM TO 14000
	394833.02N/1043938.81W	-	-	VI	180.53	3.12			
GISTT	394557.50N/1043501.10W	Y	FB	CF	125.95	4.41	AT/ABOVE 7000		RCOMMENDED NAVAID: DENVER VOR/DME
KIDNG	394837.67N/1042339.58W	Y	FB	TF	073.00	9.15	AT/BELOW 10000		

QUALITY
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
TWEDT	395031.18N/1040848.39W	Y	FB	TF	080.54	11.60			
GASSS	395217.90N/1035435.25W	Y	FB	TF	080.70	11.09	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-			CG 400 FT PER NM TO 5934
5934 MSL	-	-	-	VA	270.51	-			
	-	-	-	VM	270.51	-			
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN CG 220 FT PER NM TO 14000
	3955.15.28N/1044144.84W	-	-	VI	000.51	4.14			RECOMMENDED NAVAID: DENVER VOR/DME
NUGGS	395655.57N/1043638.33W	Y	FB	CF	067.00	4.27			
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
BRSTO	395453.04N/1041255.58W	Y	FB	TF	105.54	8.92	AT/BELOW 12000		
GASSS	395217.90N/1035435.25W	Y	FB	TF	100.27	14.35	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			

QUALITY
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CHECKED

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

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
EMMYS		SEVEN		EMMYS7.ZIRKL		SIX		08/06/2018	30 JAN 2020
<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>
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 500 FT PER NM TO 5934 THEN CG 220 FT PER NM TO 14000
	395526.24N/1044111.39W	-	-	VI	000.51	3.59			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	067.00	3.80			RECOMMENDED NAVAID: DENVER VOR/DME
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
BRSTO	395453.04N/1041255.58W	Y	FB	TF	105.54	8.92	AT/BELOW 12000		
GASSS	395217.90N/1035435.25W	Y	FB	TF	100.27	14.35	AT/ABOVE 14000		
SNIPER	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-			CG 320 FT PER NM TO 5934 THEN CG 220 FT PER NM TO 14000
	395325.62N/1043935.30W	-	-	VI	000.53	3.73			
NUGGS	395655.57N/1043638.33W	Y	FB	CF	032.97	4.17			RECOMMENDED NAVAID: DENVER VOR/DME
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
BRSTO	395453.04N/1041255.58W	Y	FB	TF	105.54	8.92	AT/BELOW 12000		
GASSS	395217.90N/1035435.25W	Y	FB	TF	100.27	14.35	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-			CG 285 FT PER NM TO 9000
	395403.53N/1043827.11W	-	-	VI	000.54	4.14			

QUALITY
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CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	EFFECTIVE DATE
EMMYS		SEVEN		EMMYS7.ZIRKL		SIX		08/06/2018	30 JAN 2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
NUGGS	395655.57N/1043638.33W	Y	FB	CF	025.95	3.18			RECOMMENDED NAVAID: DENVER VOR/DME
HIDEF	395717.16N/1042405.90W	Y	FB	TF	087.80	9.65	AT/BELOW 10000		
BRSTO	395453.04N/1041255.58W	Y	FB	TF	105.54	8.92	AT/BELOW 12000		
GASSS	395217.90N/1035435.25W	Y	FB	TF	100.27	14.35	AT/ABOVE 14000		
SNIPR	395234.18N/1035042.42W	Y	FB	TF	084.79	3.00			
EMMYS	395301.71N/1034405.41W	Y	FB	TF	084.82	5.11			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
CENTENNIAL		(KAPA)							
RW17L (AER)	393502.91N/1045105.31W	N	-	-	-	-			CG 255 FT PER NM TO 8000
6400 MSL	-	-	-	VA	177.95	-			
	-	-	-	VM	177.95	-			
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW17R (AER)	393444.35N/1045113.39W	N	-	-	-	-			CG 370 FT PER NM TO 8000
6400 MSL	-	-	-	VA	177.95	-			
	-	-	-	VM	177.95	-			
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW35L (AER)	393335.23N/1045110.19W	N	-	-	-	-			
6400 MSL	-	-	-	VA	357.95	-			
	-	-	-	VM	357.95				

QUALITY
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FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	EFFECTIVE DATE
EMMYS		SEVEN		EMMYS7.ZIRKL		SIX		08/06/2018	30 JAN 2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW35R (AER)	393324.15N/1045100.76W	N	-	-	-	-			
6400 MSL	-	-	-	VA	357.95	-			
	-	-	-	VM	357.95	-			
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
EMMYS	395301.71N/1034405.41W	Y	-	IF	-	-			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
ROCKY MOUNTAIN METROPOLITAN		(KBJC)							
EMMYS	395301.71N/1034405.41W	Y	-	IF	-	-			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
NORTHERN COLORADO RGNL		(KFNL)							
EMMYS	395301.71N/1034405.41W	Y	-	IF	-	-			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			
COLORADO AIR AND SPACE PORT		(KCFO)							
RW08 (AER)	394738.42N/1043354.88W	N	-	-	-	-			
6020 MSL	-	-	-	VA	090.15	-			
	-	-	-	VM	091.15				



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	EFFECTIVE DATE
EMMYS		SEVEN		EMMYS7.ZIRKL		SIX		08/06/2018	30 JAN 2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW17 (AER)	394708.14N/1043127.25W	N	-	-	-	-			
6020 MSL	-	-	-	VA	179.99	-			
		-	-	VM	179.99				
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW26 (AER)	394736.82N/1043212.42W	N	-	-	-	-			
6020 MSL	-	-	-	VA	271.17	-			
	-	-	-	VM	271.17				
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
RW35 (AER)	394549.10N/1043127.23W	N	-	-	-	-			
6020 MSL	-	-	-	VA	359.99	-			
	-	-	-	VM	359.99	-			
EMMYS	395301.71N/1034405.41W	Y	FB	DF	-	-			
EMMYS	395301.71N/1034405.41W	Y	-	IF	-	-			
ZIRKL	400756.94N/1012217.29W	Y	FB	TF	081.45	109.97			

