

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

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
SPAZZ	FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	<b>13 SEP 2018</b>

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**  
**DENVER INTL:**

**TAKEOFF RWY 8:** CLIMB HEADING 082.53 TO INTERCEPT COURSE 105.72 TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 153.76 TO TWWIN, THEN ON TRACK 191.56 TO TAIL, THEN ON TRACK 202.01 TO CROSS FIGTR AT OR ABOVE 14000, THEN ON TRACK 199.28 TO CROSS SUUPR AT OR ABOVE 16000, THEN ON TRACK 191.84 TO SPAZZ, THENCE ...

**TAKEOFF RWY 16L:** CLIMB HEADING 172.51 TO INTERCEPT COURSE 149.26 TO CROSS RAYDR AT OR BELOW 10000, THEN ON TRACK 156.79 TO CROSS JETAG AT OR BELOW 12000, THEN ON TRACK 181.95 TO JEPPC, THEN ON TRACK 189.92 TO SPAZZ, THENCE ...

**TAKEOFF RWY 16R:** CLIMB HEADING 172.51 TO INTERCEPT COURSE 145.71 TO CROSS RAYDR AT OR BELOW 10000, THEN ON TRACK 156.79 TO CROSS JETAG AT OR BELOW 12000, THEN ON TRACK 181.95 TO JEPPC, THEN ON TRACK 189.92 TO SPAZZ, THENCE ...

**TAKEOFF RWY 17L:** CLIMB HEADING 172.54 TO INTERCEPT COURSE 156.71 TO CROSS RAYDR AT OR BELOW 10000, THEN ON TRACK 156.79 TO CROSS JETAG AT OR BELOW 12000, THEN ON TRACK 181.95 TO JEPPC, THEN ON TRACK 189.92 TO SPAZZ, THENCE ...

**TAKEOFF RWY 17R:** CLIMB HEADING 172.53 TO INTERCEPT COURSE 151.82 TO CROSS RAYDR AT OR BELOW 10000, THEN ON TRACK 156.79 TO CROSS JETAG AT OR BELOW 12000, THEN ON TRACK 181.95 TO JEPPC, THEN ON TRACK 189.92 TO SPAZZ, THENCE ...

**TAKEOFF RWY 25:** CLIMB HEADING 262.51 AT OR BELOW 230 KIAS TO INTERCEPT COURSE 243.69 TO CROSS BRKEM AT OR BELOW 10000, THEN ON TRACK 221.03 TO NMBSS, THEN ON TRACK 181.40 TO CROSS LENNN AT OR ABOVE 10000 AT OR BELOW 280 KIAS, THEN ON TRACK 161.46 TO TIKLR, THEN ON TRACK 143.63 TO CROSS CIROS AT OR ABOVE 14000, THEN ON TRACK 150.32 TO CROSS ICECI AT OR ABOVE 16000, THEN ON TRACK 169.25 TO SPAZZ, THENCE ...

**TAKEOFF RWY 34L:** CLIMB HEADING 352.51 TO 5934 AT/BELOW 230 KIAS, THEN CLIMBING LEFT TURN DIRECT TO CROSS BRKEM AT OR BELOW 10000, THEN ON TRACK 221.03 TO NMBSS, THEN ON TRACK 181.40 TO CROSS LENNN AT OR ABOVE 10000 AT OR BELOW 280 KIAS, THEN ON TRACK 161.46 TO TIKLR, THEN ON TRACK 143.63 TO CROSS CIROS AT OR ABOVE 14000, THEN ON TRACK 150.32 TO CROSS ICECI AT OR ABOVE 16000, THEN ON TRACK 169.25 TO SPAZZ, THENCE ...

**TAKEOFF RWY 34R:** CLIMB HEADING 352.51 TO 5934 AT OR BELOW 230 KIAS, THEN CLIMBING LEFT TURN DIRECT TO CROSS BRKEM AT OR BELOW 10000, THEN ON TRACK 221.03 TO NMBSS, THEN ON TRACK 181.40 TO CROSS LENNN AT OR ABOVE 10000 AT OR BELOW 280 KIAS, THEN ON TRACK 161.46 TO TIKLR, THEN ON TRACK 143.63 TO CROSS CIROS AT OR ABOVE 14000, THEN ON TRACK 150.32 TO CROSS ICECI AT OR ABOVE 16000, THEN ON TRACK 169.25 TO SPAZZ, THENCE ...

**TAKEOFF RWY 35L:** CLIMB HEADING 352.53 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 153.76 TO TWWIN, THEN ON TRACK 191.56 TO TAIL, THEN ON TRACK 202.01 TO CROSS FIGTR AT OR ABOVE 14000, THEN ON TRACK 199.28 TO CROSS SUUPR AT OR ABOVE 16000, THEN ON TRACK 191.84 TO SPAZZ, THENCE ...

**TAKEOFF RWY 35R:** CLIMB HEADING 352.54 TO 5934, THEN CLIMBING RIGHT TURN DIRECT TO CROSS KIDNG AT OR BELOW 10000, THEN ON TRACK 153.76 TO TWWIN, THEN ON TRACK 191.56 TO TAIL, THEN ON TRACK 202.01 TO CROSS FIGTR AT OR ABOVE 14000, THEN ON TRACK 199.28 TO CROSS SUUPR AT OR ABOVE 16000, THEN ON TRACK 191.84 TO SPAZZ, THENCE ...

... AS DEPICTED. MAINTAIN FL230 OR FILED LOWER ALTITUDE. EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**CENTENNIAL:**

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

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

... RADAR VECTORS TO JEPPC, THEN AS DEPICTED. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.



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**ROCKY MOUNTAIN METROPOLITAN:**

**TAKEOFF RWY 12L/R:** CLIMB 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 ...

... RADAR VECTORS TO JEPPC, THEN AS DEPICTED. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**NORTHERN COLORADO RGNL:**

**TAKEOFF RWY 15:** CLIMB 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 JEPPC, THEN AS DEPICTED. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**FRONT RANGE:**

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

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

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

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

... RADAR VECTORS TO JEPPC, THEN AS DEPICTED. MAINTAIN FL230 OR FILED LOWER ALTITUDE, EXPECT HIGHER FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
JOPLN	SPAZZ4.JOPLN	SPAZZ	PUB VORTAC	154.08	47.22			
		PUB	JOPLN	159.52	54.23			
TOBE	SPAZZ4.TBE	SPAZZ	PUB VORTAC	154.08	47.22			
		PUB	TBE VOR/DME	139.30	73.54			
ZAPAA	SPAZZ4.ZAPAA	SPAZZ	FRNKE	197.94	19.51			AT/ABOVE FL230
		FRNKE	ZAPAA	200.55	70.15			

**PROCEDURAL DATA NOTES:**

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.



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

NOTE: DENVER INTL - TAKEOFF RWY 8, 16L, 16R, 17L, 17R, 25, 34L, 34R, 35L, 35R - RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: ZAPAA TRANSITION: FOR NON-GPS EQUIPPED AIRCRAFT PUB AND ALS DME'S MUST BE OPERATIONAL.

NOTE: CENTENNIAL, ROCKY MOUNTAIN METROPOLITAN, NORTHERN COLORADO RGNL AND FRONT RANGE - RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

**DENVER INTL:**

RWY 7, 26: NA - ATC.

RWY 8: STANDARD WITH MINIMUM CLIMB OF 475 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 275 FT PER NM TO 16000.

RWY 16L, 16R: STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 10000.

RWY 17L, 17R: STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 250 FT PER NM TO 15000.

RWY 25: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 9000, THEN MINIMUM CLIMB OF 285 FT PER NM TO 16000.

RWY 34L: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 8000, THEN MINIMUM CLIMB OF 285 FT PER NM TO 15000.

RWY 34R: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 285 FT PER NM TO 15000.

RWY 35L: STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 280 FT PER NM TO 15000.

RWY 35R: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 5934, THEN MINIMUM CLIMB OF 260 FT PER NM TO 16000.

**CENTENNIAL:**

RWY 10, 28: NA - ATC.

RWY 35L, 35R: STANDARD.

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

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

**ROCKY MOUNTAIN METROPOLITAN:**

RWY 3, 21: NA - ATC.

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

**NORTHERN COLORADO RGNL:**

RWY 6, 24: NA- VFR RUNWAY.

RWY 15, 33: STANDARD.

**FRONT RANGE:**

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).

**FRONT RANGE:**

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



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**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.

**DENVER INTL:**

**RWY 16L, 16R, 17L, 17R, 25, 34L, 34R, 35L, 35R:** 13494 FT MSL AAO 395114.70N/1054121.90W.

**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 JEPPC (IF), CW

**FROM:** POINT A (BEARING 145 DEGREES TO JEPPC)

**TO:** POINT B (BEARING 235 DEGREES TO JEPPC)

**MINIMUM ALTITUDE - 10000**

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
DENVER INTL (KDEN)	DENVER	CO
CENTENNIAL (KAPA)	DENVER	CO
ROCKY MOUNTAIN METROPOLITAN (KBJC)	DENVER	CO
NORTHERN COLORADO RGNL (KFNL)	FORT COLLINS/LOVELAND	CO
FRONT RANGE (KFTG)	DENVER	CO

**COMMUNICATIONS:**

**DENVER INTL:** D-ATIS DEP, CLNC DEL, CPDLC, DEP CON

**CENTENNIAL:** ATIS, CLNC DEL, DEN DEP CON

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

**NORTHERN COLORADO RGNL:** DEP CON

**FRONT RANGE:** 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 17L, 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 TRANSITON CROSSING ALTITUDES.



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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 FAO 8260.46. SID NAMES CORRESPOND WITH WAYPOINT NAMES AT OUTER BOUNDARY OF DENVER TRACON/ARTCC AIRSPACE. WAIVER APPROVED AND ON FILE.

- KBJC RWY 12L, 12R, 30L, 30R:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 58 NM PER ATC.
- KAPA RWY 17L, 17R:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 32 NM PER ATC.
- KAPA RWY 35L, 35R:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 36 NM PER ATC.
- KFNL RWY 15, 33:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 78 NM PER ATC.
- KFTG RWY 8, 17, 26, 35:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 33 NM PER ATC.
- KDEN RWY 8:** FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDARY 51 NM PER ATC.

**FLIGHT INSPECTED BY:**

**OFFICE SYMBOL:**                      **DATE:**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

**DEVELOPED BY:**                      *Digitally signed by*  
 LONNIE EVERHART                      **DONALD H LANIER**  
 (TARA MARTINELLI)                      Jul 11, 2018

*Digitally signed by*  
**DONALD H LANIER**                      **OFFICE SYMBOL:**                      **DATE:**  
 Jul 11, 2018                                      AJV-5400                                      04/13/2018

**APPROVED BY:**                      *Digitally signed by*  
 LONNIE EVERHART                      **DONALD H LANIER**  
     Jul 11, 2018

**OFFICE SYMBOL:**                      **DATE:**  
 AJV-5400

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b><u>A4A</u></b>	<b><u>ALPA</u></b>	<b><u>AOPA</u></b>	<b><u>APA</u></b>	<b><u>HAI</u></b>	<b><u>NBAA</u></b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

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

**CHANGES - REASONS:**

1. CHANGED ALL REFERENCES TO FORT COLLINS - LOVELAND MUNI TO NORTHERN COLORADO RGNL - AIRPORT NAME CHANGE EFFECTIVE 2/1/2018
2. CHANGED CENTENNIAL, ROCKY MOUNTAIN METROPOLITAN, NORTHERN COLORADO RGNL, AND FRONT RANGE THENCE INSTRUCTIONS TO REMOVED "EXPECT RADAR VECTORS" AND REPLACED WITH "RADAR VECTORS" - PER THE 8260-46F, 1-1-6, "EXPECT" CANNOT BE USED WHEN REFERRING TO RADAR VECTORS.
3. REMOVED TAKEOFF OBSTACLE NOTES AT ALL AIRPORTS AND REPLACED WITH "SEE 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - TAKEOFF OBSTACLE NOTES ARE NO LONGER REQUIRED ON SID'S PER MEMO #259, WAIVER REQUEST, FAA ORDER 8260.46F.
4. PILOT NAVIGATION AREA: CHANGED POINT A BEARING FROM 144.92 TO 145 AND POINT B BEARING FROM 234.92 TO 235 - IAW FAA ORDER 8260.46F DOCUMENTATION CRITERIA.
5. COMMUNICATIONS BLOCK: MATCHED AND/OR STANDERDIZED TO CURRENT FREQUENCIES ON PUBLISHED TPP - COORDINATED/VERIFIED WITH FPT/ATC.
6. REMARKS BLOCK: WAIVER INFORMATION ADDED IN REFERENCE TO NAMING CONVENTION IAW FAAO 8260.46F.
7. COORDINATED WITH BLOCK: ADDED A4A AND REMOVED ATA FROM OTHER - AIRPORT SERVED BY SCHEDULED AIR CARRIERS/ATA REPLACED BY A4A.
8. 8260-15C: UPDATED CENTENNIAL (KAPA) RWY 17L, 17R, 35R (AER) LAT/LONG COORDINATES - TO MATCH COORDINATES REFLECTED IN AIRNAV.
9. 8260-15C: UPDATED FRONT RANGE (KFTG) RWY 8, 17, 26 (AER) LAT/LONG COORDINATES - TO MATCH COORDINATES REFLECTED IN AIRNAV.



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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>
<b>DENVER INTL</b>	<b>(KDEN)</b>								
<b>RW08 (AER)</b>	395239.20N/1043944.03W	N	-	-	-	-			CG 475 FT PER NM TO 5934 THEN CG 275 FT PER NM TO 16000
	395237.32N/1043524.94W	-	-	VI	090.53	3.32			RECOMMENDED NAVAID: DENVER VOR/DME
KIDNG	394837.67N/1042339.58W	Y	FB	CF	113.72	9.90	AT/BELOW 10000		
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			
TAIIL	393816.75N/1042401.83W	Y	FB	TF	199.56	5.73			
FIGTR	392943.58N/1043024.31W	Y	FB	TF	210.01	9.87	AT/ABOVE 14000		
SUUPR	392321.73N/1043438.07W	Y	FB	TF	207.28	7.15	AT/ABOVE 16000		
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	199.84	21.99			
<b>RW16L (AER)</b>	395349.33N/1044112.50W	N	-	-	-	-			CG 325 FT PER NM TO 10000
	395003.29N/1044115.12W	-	-	VI	180.51	3.79			RECOMMENDED NAVAID: DENVER VOR/DME
RAYDR	393851.15N/1043510.81W	Y	FB	CF	157.26	12.13	AT/BELOW 10000		
JETAG	393330.07N/1043318.02W	Y	FB	TF	164.79	5.54	AT/BELOW 12000		
JEPPC	392333.92N/1043532.85W	Y	FB	TF	189.95	10.08			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW16R (AER)</b>	395344.87N/1044145.90W	N	-	-	-	-			CG 325 FT PER NM TO 10000
	394914.50N/1044149.02W	-	-	VI	180.51	4.50			RECOMMENDED NAVAID: DENVER VOR/DME
RAYDR	393851.15N/1043510.81W	Y	FB	CF	153.71	11.57	AT/BELOW 10000		
JETAG	393330.07N/1043318.02W	Y	FB	TF	164.79	5.54	AT/BELOW 12000		
JEPPC	392333.92N/1043532.85W	Y	FB	TF	189.95	10.08			



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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>
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW17L (AER)</b>	395153.83N/1043828.70W	N	-	-	-	-			CG 350 FT PER NM TO 5934 THEN CG 250 FT PER NM TO 15000
	394818.27N/1043831.33W	-	-	VI	180.54	3.59			RECOMMENDED NAVAID: DENVER VOR/DME
RAYDR	393851.15N/1043510.81W	Y	FB	CF	164.71	9.79	AT/BELOW 10000		
JETAG	393330.07N/1043318.02W	Y	FB	TF	164.79	5.54	AT/BELOW 12000		
JEPPC	392333.92N/1043532.85W	Y	FB	TF	189.95	10.08			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW17R (AER)</b>	395140.48N/1043936.56W	N	-	-	-	-			CG 350 FT PER NM TO 5934 THEN CG 250 FT PER NM TO 15000
	394815.46N/1043939.02W	-	-	VI	180.53	3.41			RECOMMENDED NAVAID: DENVER VOR/DME
RAYDR	393851.15N/1043510.81W	Y	FB	CF	159.82	10.01	AT/BELOW 10000		
JETAG	393330.07N/1043318.02W	Y	FB	TF	164.79	5.54	AT/BELOW 12000		
JEPPC	392333.92N/1043532.85W	Y	FB	TF	189.95	10.08			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RWY25 (AER)</b>	395026.37N/1044102.17W	N	-	-	-	-			CG 410 FT PER NM TO 9000 THEN CG 285 FT PER NM TO 16000
	395028.15N/1044527.35W	-	-	VI	270.51	3.40	AT/BELOW 230K		RECOMMENDED NAVAID: DENVER VOR/DME
BRKEM	394850.92N/1045147.63W	Y	FB	CF	251.69	5.14	AT/BELOW 10000		
NMBSS	394642.49N/1045459.23W	Y	FB	TF	229.03	3.26			
LENNN	394315.02N/1045543.70W	Y	FB	TF	189.40	3.50	AT/ABOVE 10000	AT/BELOW 280K	
TIKLR	393734.30N/1045421.73W	Y	FB	TF	169.46	5.77			



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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>				
SPAZZ	FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	<b>13 SEP 2018</b>				
<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>
CIROS	392959.92N/1044905.10W	Y	FB	TF	151.63	8.60	AT/ABOVE 14000		
ICECI	392256.00N/1044527.99W	Y	FB	TF	158.32	7.60	AT/ABOVE 16000		
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	177.25	20.29			
<b>RW34L (AER)</b>	395106.79N/1044147.72W	N	-	-	-	-			CG 410 FT PER NM TO 8000 THEN CG 285 FT PER NM TO 15000
5934 MSL	-	-	-	VA	000.51	-			AT/BELOW 230K
BRKEM	394850.92N/1045147.63W	Y	FB	DF	-	-	AT/BELOW 10000		
NMBSS	394642.49N/1045459.23W	Y	FB	TF	229.03	3.26			
LENNN	394315.02N/1045543.70W	Y	FB	TF	189.40	3.50	AT/ABOVE 10000	AT/BELOW 280K	
TIKLR	393734.30N/1045421.73W	Y	FB	TF	169.46	5.77			
CIROS	392959.92N/1044905.10W	Y	FB	TF	151.63	8.60	AT/ABOVE 14000		
ICECI	392256.00N/1044527.99W	Y	FB	TF	158.32	7.60	AT/ABOVE 16000		
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	177.25	20.29			
<b>RW34R (AER)</b>	395150.77N/1044113.88W	N	-	-	-	-			CG 410 FT PER NM TO 5934 THEN CG 285 FT PER NM TO 15000
5934 MSL	-	-	-	VA	000.51	-			AT/BELOW 230K
BRKEM	394850.92N/1045147.63W	Y	FB	DF	-	-	AT/BELOW 10000		
NMBSS	394642.49N/1045459.23W	Y	FB	TF	229.03	3.26			
LENNN	394315.02N/1045543.70W	Y	FB	TF	189.40	3.50	AT/ABOVE 10000	AT/BELOW 280K	
TIKLR	393734.30N/1045421.73W	Y	FB	TF	169.46	5.77			
CIROS	392959.92N/1044905.10W	Y	FB	TF	151.63	8.60	AT/ABOVE 14000		
ICECI	392256.00N/1044527.99W	Y	FB	TF	158.32	7.60	AT/ABOVE 16000		





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<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>			
SPAZZ		FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	<b>13 SEP 2018</b>			
<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>
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	177.25	20.29			
<b>RW35L (AER)</b>	394941.93N/1043937.98W	N	-	-	-	-			CG 450 FT PER NM TO 5934 THEN CG 280 FT PER NM TO 15000
5934 MSL	-	-	-	VA	000.53	-			
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000		
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			
TAIIL	393816.75N/1042401.83W	Y	FB	TF	199.56	5.73			
FIGTR	392943.58N/1043024.31W	Y	FB	TF	210.01	9.87	AT/ABOVE 14000		
SUUPR	392321.73N/1043438.07W	Y	FB	TF	207.28	7.15	AT/ABOVE 16000		
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	199.84	21.99			
<b>RW35R (AER)</b>	394955.27N/1043830.16W	N	-	-	-	-			CG 410 FT PER NM TO 5934 THEN CG 260 FT PER NM TO 16000
5934 MSL	-	-	-	VA	000.54	-			
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000		
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			
TAIIL	393816.75N/1042401.83W	Y	FB	TF	199.56	5.73			
FIGTR	392943.58N/1043024.31W	Y	FB	TF	210.01	9.87	AT/ABOVE 14000		
SUUPR	392321.73N/1043438.07W	Y	FB	TF	207.28	7.15	AT/ABOVE 16000		
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	199.84	21.99			
<b>CENTENNIAL</b>	<b>(KAPA)</b>								
RW17L (AER)	393502.91N/1045105.31W	N	-	-	-	-			CG 255 FT PER NM TO 8000



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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE				
SPAZZ	FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	13 SEP 2018				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
6400 MSL	-	-	-	VA	177.95	-			
	-	-	-	VM	177.95				
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW17R (AER)</b>	393444.35N/1045113.39W	N	-	-	-	-			CG 370 FT PER NM TO 8000
6400 MSL	-	-	-	VA	177.95	-			
	-	-	-	VM	177.95				
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW35L (AER)</b>	393335.23N/1045110.19W	N	-	-	-	-			
6400 MSL	-	-	-	VA	357.95	-			
	-	-	-	VM	357.95	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW35R (AER)</b>	393324.15N/1045100.76W	N	-	-	-	-			
6400 MSL	-	-	-	VA	357.95	-			
	-	-	-	VM	357.95	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			



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 DEPARTURE (DATA RECORD)

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE				
SPAZZ	FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	<b>13 SEP 2018</b>				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
<b>ROCKY MOUNTAIN METROPOLITAN (KBJC)</b>									
JEPPC	392333.92N/1043532.85W	Y	FB	IF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>NORTHERN COLORADO RGNL (KFNL)</b>									
JEPPC	392333.92N/1043532.85W	Y	FB	IF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>FORT RANGE (KFTG)</b>									
<b>RW08 (AER)</b>	394738.42N/1043354.88W	N	-	-	-	-			
6020 MSL	-	-	-	VA	091.15	-			
	-	-	-	VM	091.15	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW17 (AER)</b>									
6020 MSL	-	-	-	VA	179.99	-			
	-	-	-	VM	179.99	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW26 (AER)</b>									
	394736.82N/1043212.42W	N	-	-	-	-			



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SPAZZ		FOUR	SPAZZ4.SPAZZ	THREE	11/13/2014	<b>13 SEP 2018</b>			
<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>
6020 MSL	-	-	-	VA	271.17	-			
	-	-	-	VM	271.17	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
<b>RW35 (AER)</b>	394549.10N/1043127.23W	N	-	-	-	-			
6020 MSL	-	-	-	VA	359.99	-			
	-	-	-	VM	359.99	-			
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-			
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95			
SPAZZ	390239.07N/1044412.98W	Y	-	IF	-	-			SPAZZ4.JOPLN
PUB VORTAC	381739.32N/1042546.01W	Y	-	TF	162.08	47.22			
JOPLN	322437.63N/1041103.71W	Y	-	TF	167.52	54.23			
SPAZZ	390239.07N/1044412.98W	Y	-	IF	-	-			SPAZZ4.TBE
PUB VORTAC	381739.32N/1042546.01W	Y	-	TF	162.08	47.22			
TBE VOR/DME	371531.17N/1033600.20W	Y	-	TF	147.30	73.54			
SPAZZ	390239.07N/1044412.98W	Y	-	IF	-	-			SPAZZ4.ZAPAA
FRNKE	384505.00N/1045507.39W	Y	-	TF	205.94	19.51	AT/ABOVE FL230		
ZAPAA	374315.85N/1053722.70W	Y	-	TF	208.55	70.15			

