

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	1/10/2013	22 AUG 2013

**TYPE:** RNAV SID

**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 TEN 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...

QUALITY  
CHECKED

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**GRAPHIC DEPARTURE PROCEDURE (DP)**

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

**ROCKY MOUNTAIN METROPOLITAN:**

TAKEOFF RWY 11L, 11R: CLIMB HEADING BETWEEN 150 CCW 350 AS ASSIGNED BY ATC. THENCE...

TAKEOFF RWY 29L, 29R, CLIMBING RIGHT TURN HEADING BETWEEN 350 CW 113 AS ASSIGNED BY ATC. THENCE...

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

**FORT COLLINS-LOVELAND MUNI:**

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...

...EXPECT 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...

...EXPECT 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):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
JOPLN	SPAZZ2.JOPLN	SPAZZ	PUB VORTAC	154.08	47.22			
		PUB	JOPLN	159.52	54.23			
TOBE	SPAZZ2.TBE	SPAZZ	PUB VORTAC	154.08	47.22			
		PUB	TBE VOR/DME	139.30	73.54			
ZAPAA	SPAZZ2.ZAPAA	SPAZZ	FRNKE	197.94	19.51			AT/ABOVE FL230
		FRNKE	ZAPAA	200.55	70.15			

QUALITY  
CHECKED

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**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1

NOTE: TURBOJETS ONLY.

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

NOTE: DENVER INTL AIRPORT – 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 AIRPORT, ROCKY MOUNTAIN METROPOLITAN AIRPORT, FT COLLINS-LOVELAND MUNICIPAL AIRPORT AND FRONT RANGE AIRPORT - RADAR REQUIRED.

TAKEOFF MINIMUMS.

DENVER INTL:

RWYS 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 2, 20, NA – ATC

RWY 11R, 11L, 29R, STANDARD.

RWY 29L, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 5900.

FORT COLLINS-LOVELAND MUNI:

RWY 6, 24, NA – VFR RUNWAY.

RWY 15, 33, STANDARD.

FRONT RANGE:

RWY 8, 17, 26, 35, STANDARD.

**TAKEOFF OBSTACLES NOTES:**

DENVER INTL:

NOTE: RWY 16L, MULTIPLE SIGNS BEGINNING 126 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/5359 FT MSL. COMMUNICATION TWR 4749 FT FROM DER, 1358 FT LEFT OF CENTERLINE, 107 FT AGL/5478 FT MSL. NOTE: RWY 25, SIGN 48 FT FROM DER, 450 FT RIGHT OF CENTERLINE, 6 FT AGL/5354 FT MSL.

ROCKY MOUNTAIN METROPOLITAN:

NOTE: RWY 29L: TERRAIN BEGINNING 23 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 5708 FT MSL. FENCE 982 FT FROM DER, 303 FT LEFT OF CENTERLINE, 14 FT AGL/5714 FT MSL. FENCE 1015 FT FROM DER, 392 FT LEFT OF CENTERLINE, 15 FT AGL/5725 FT MSL. MULTIPLE TREES BEGINNING 687 FT FROM DER, 615 FT RIGHT OF CENTERLINE UP TO 70 FT AGL/5839 FT MSL. TREE 3196 FT FROM DER, 1337 FT LEFT OF CENTERLINE, 70 FT AGL/5839 FT MSL.

QUALITY  
CHECKED

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**CENTENNIAL:**

NOTE: RWY 17L, TREES BEGINNING 2968 FT FROM DER, 761 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/5976 FT MSL.

NOTE: RWY 17R, TERRAIN 181 FT FROM DER, 496 FT RIGHT OF CENTERLINE, 5887 FT MSL. FENCE 538 FT FROM DER, 196 FT RIGHT OF CENTERLINE, 8 FT AGL/5886 FT MSL.

TREES BEGINNING 562 FT FROM DER, 61 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/5976 FT MSL. MULTIPLE LIGHT POLES BEGINNING 2362 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/5942 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3282 FT FROM DER, 842 FT RIGHT OF CENTERLINE, 90 FT AGL/6021 FT MSL.

**FORT COLLINS-LOVELAND MUNI:**

NOTE: RWY 33, TREES BEGINNING 833 FT FROM DER, 516 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/5025 FT MSL. MULTIPLE POLES BEGINNING 567 FT FROM DER, 540 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/4995 FT MSL.

**FRONT RANGE:**

NOTE: RWY 17, POLE 3618 FT FROM DER, 516 FT LEFT OF CENTERLINE, 43 FT AGL/5603 FT MSL.

NOTE: RWY 26, TREES BEGINNING 98 FT FROM DER, 456 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/5489 FT MSL.

**CONTROLLING OBSTACLES:****CENTENNIAL:**

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

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

**ROCKY MOUNTAIN METROPOLITAN:**

RWY 29L: 5839 FT MSL TREE 395457.98N/1050837.12W.

**DENVER INTL:**

RWY 16L/R, 17L/R, 25, 34L/R, 35L/R: 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)

**PILOT NAV AREA:**

10 NM ARC CENTERED ON JEPPC, CW FROM POINT A (BEARING 144.92 DEGREES TO JEPPC) TO POINT B (BEARING 234.92 DEGREES TO JEPPC),

MINIMUM ALTITUDE - 10000.

**AIRPORTS SERVED:**

DENVER INTL  
ROCKY MOUNTAIN METROPOLITAN  
CENTENNIAL  
FRONT RANGE  
FORT COLLINS-LOVELAND MUNI

DENVER, CO  
DENVER, CO  
DENVER, CO  
DENVER, CO  
FORT COLLINS/LOVELAND, CO



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**COMMUNICATIONS:**

DENVER INTL: CLNC DEL, ATIS, DEP CON  
CENTENNIAL: CLNC DEL, ATIS, DEP CON  
ROCKY MOUNTAIN METROPOLITAN: CLNC DEL, ATIS, DEP CON  
FORT COLLINS - LOVELAND MUNI: DEP CON  
FRONT RANGE: CLNC DEL, ATIS, DEP CON

**FIXES AND/OR NAVAIDS:****REMARKS:**

CLIMB GRADIENTS AT CENTENNIAL OFF RWY 17L/R 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.

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

KBJC RWY 11L/R AND 29 L/R FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 58 NM PER ATC.  
KAPA RWY 17L/R FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 32 NM PER ATC.  
KAPA RWY 35 L/R FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 36 NM PER ATC.  
KFNL RWY 15 AND 33 FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 78 NM PER ATC.  
KFTG RWY 8/26 AND 17/35 FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 33 NM PER ATC.  
KDEN RWY 8 FLIGHT TRACK DISTANCE TO SPAZZ PNA BOUNDRY 51 NM PER ATC.



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**CHANGES:**

1. REMOVE AT/BELOW FL230 AT SPAZZ
2. CHANGED NOTE TO READ - ACCELERATE TO AT OR ABOVE 250 KNOTS ABOVE 10000. IF SLOWER SPEED IS REQUIRED TO MEET CROSSING RESTRICTIONS ADVISE CLNC DLVRY PRIOR TO TAXI

**REASONS:**

- 1, 2. ATC REQUEST



## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number		Dated	Effective Date
SPAZZ		TWO	SPAZZ2.SPAZZ				ONE		1/10/2013	22 AUG 2013
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
DENVER INTL (KDEN)										
RW08 (AER)	395239.20N/1043944.03W	N	-	-	-	-			CG 475 FT PER NM TO 5934	
	395237.32N/1043524.94W	-	-	VI	090.53	3.32			CG 275 FT PER NM TO 16000	
KIDNG	394837.67N/1042339.58W	Y	FB	CF	113.72	9.90	AT/BELOW 10000		RECOMMENDED NAVAID: DENVER VOR/DME	
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			VI/CF PERMITTED	
TAILL	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				
RW16L (AER)	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		VI/CF PERMITTED	
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				
RW16R (AER)	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		VI/CF PERMITTED	
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				
RW17L (AER)	395153.83N/1043828.70W	N	-	-	-	-			CG 350 FT PER NM TO 5934	
	394818.27N/1043831.33W	-	-	VI	180.54	3.59			CG 250 FT PER NM TO 15000	
RAYDR	393851.15N/1043510.81W	Y	FB	CF	164.71	9.79	AT/BELOW 10000		RECOMMENDED NAVAID: DENVER VOR/DME	
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				

QUALITY  
CHECKED

QUALITY  
CHECKED

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SPAZZ		TWO	SPAZZ2.SPAZZ				ONE		1/10/2013	22 AUG 2013
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW17R (AER)	395140.48N/1043936.56W	N	-	-	-	-			CG 350 FT PER NM TO 5934	
	394815.46N/1043939.02W	-	-	VI	180.53	3.41			CG 250 FT PER NM TO 15000	
RAYDR	393851.15N/1043510.81W	Y	FB	CF	159.82	10.01	AT/BELOW 10000		RECOMMENDED NAVAID: DENVER VOR/DME	
JETAG	393330.07N/1043318.02W	Y	FB	TF	184.79	5.54	AT/BELOW 12000		VI/CF PERMITTED	
JEPPC	392333.92N/1043532.85W	Y	FB	TF	189.95	10.08				
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95				
RW25 (AER)	395026.37N/1044102.17W	N	-	-	-	-			CG 410 FT PER NM TO 9000	
	395028.15N/1044527.35W	-	-	VI	270.51	3.40		AT/BELOW 230K	CG 285 FT PER NM TO 16000	
BRKEM	394850.92N/1045147.63W	Y	FB	CF	251.69	5.14	AT/BELOW 10000		RECOMMENDED NAVAID: DENVER VOR/DME	
NMBSS	394642.49N/1045459.23W	Y	FB	TF	229.03	3.26			VI/CF PERMITTED	
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				
RW34L (AER)	395106.79N/1044147.72W	N	-	-	-	-			CG 410 FT PER NM TO 8000	
5934 MSL		-	-	VA	000.51	-		AT/BELOW 230K	CG 285 FT PER NM TO 15000	
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				
RW34R (AER)	395150.77N/1044113.88W	N	-	-	-	-			CG 410 FT PER NM TO 5934	
5934 MSL		-	-	VA	000.51	-		AT/BELOW 230K	CG 285 FT PER NM TO 15000	
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		

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## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
SPAZZ		TWO	SPAZZ2.SPAZZ				ONE	1/10/2013	22 AUG 2013
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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			
RW35L (AER)	394941.93N/1043937.98W	N	-	-	-	-			CG 450 FR PER NM TO 5934
5934 MSL		-	-	VA	000.53	-			CG 280 FT PER NM TO 15000
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000		
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			
TAIL	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			
RW35R (AER)	394955.27N/1043830.16W	N	-	-	-	-			CG 410 FT PER NM TO 5934
5934 MSL		-	-	VA	000.54	-			CG 260 FT PER NM TO 16000
KIDNG	394837.67N/1042339.58W	Y	FB	DF	-	-	AT/BELOW 10000		
TWWIN	394340.90N/1042132.89W	Y	FB	TF	161.76	5.20			
TAIL	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			
CENTENNIAL (KAPA)									
RW17L (AER)	393502.92N/1045105.30W	N	-	-	-	-			CG 255 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			
RW17R (AER)	393444.34N/1045113.38W	N	-	-	-	-			CG 370 FT PER NM TO 8000
6400 MSL		-	-	VA	177.95	-			

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**DEPARTURE (DATA RECORD)**

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
SPAZZ		TWO		SPAZZ2.SPAZZ			ONE		1/10/2013	22 AUG 2013
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
		-	-	VM	177.95	-				
JEPPC	392333.92N/1043532.85W	Y	FB	DF	-	-				
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95				
RW35L (AER)	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				
RW35R (AER)	393324.18N/1045100.74W	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				
ROCKY MOUNTAIN METROPOLITAN (KBJC)										
JEPPC	392333.92N/1043532.85W	Y	FB	IF	-	-				
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95				
FORT COLLINS-LOVELAND MUNI (KFNL)										
JEPPC	392333.92N/1043532.85W	Y	FB	IF	-	-				
SPAZZ	390239.07N/1044412.98W	Y	FB	TF	197.92	21.95				
FORT RANGE (KFTG)										
RW08 (AER)	394738.42N/1043354.87W	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				

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## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
SPAZZ		TWO	SPAZZ2.SPAZZ				ONE	1/10/2013	22 AUG 2013
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17 (AER)	394708.15N/1043127.24W	N	-	-	-	-			
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			
RW26 (AER)	394736.82N/1043212.43W	N	-	-	-	-			
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			
RW35 (AER)	394549.10N/1043127.22W	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					SPAZZ2.JOPLN
PUB VORTAC	381739.32N/1042546.01W	Y		TF	162.08	47.22			
JOPLN	372437.63N/1041103.71W	Y		TF	167.52	54.23			
SPAZZ	390239.07N/1044412.98W	Y		IF					SPAZZ2.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					SPAZZ2.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			

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC PACKET - 424-18 - SID

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**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013
SUSAP KAPAK2GRW17L	0100011700	N39350292W104510530+0900	+1748505793000047100R		
SUSAP KAPAK2GRW17R	0070001700	N39344434W104511338+0900	+1751705804000041077V		
SUSAP KAPAK2GRW35L	0070003500	N39333523W104511019-0900	+1771605869000037077V		
SUSAP KAPAK2GRW35R	0100013500	N39332418W104510074-0900	+1776605885000053100I1APA1		

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17B		010		VA		FB		170.0()		AA 06400	
	RW17B		020		VM		FB		170.0()			
	RW17B	JEPPC	030		DF		FB	1.0				
	RW17B	SPAZZ	040		TF		FB	1.0				
	RW35B		010		VA		FB		350.0()		AA 06400	
	RW35B		020		VM		FB		350.0()			
	RW35B	JEPPC	030		DF		FB	1.0				
	RW35B	SPAZZ	040		TF		FB	1.0				
	JOPLN	SPAZZ	010		IF		FB					
	JOPLN	PUB	020		TF		FB	1.0				
	JOPLN	JOPLN	030		TF		FB	1.0				
	TBE	SPAZZ	010		IF		FB					
	TBE	PUB	020		TF		FB	1.0				
	TBE	TBE	030		TF		FB	1.0				
	ZAPAA	SPAZZ	010		IF		FB					
	ZAPAA	FRNKE	020		TF		FB	1.0			AA FL230	
	ZAPAA	ZAPAA	030		TF		FB	1.0				

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PUB	N381739.32	W1042546.01	N3817.655	W10425.767
	TBE	N371531.17	W1033600.20	N3715.520	W10336.003
	FRNKE	N384505.00	W1045507.39	N3845.083	W10455.123
	JEPPC	N392333.92	W1043532.85	N3923.565	W10435.548
	JOPLN	N372437.63	W1041103.71	N3724.627	W10411.062
	SPAZZ	N390239.07	W1044412.98	N3902.651	W10444.216
	ZAPAA	N374315.85	W1053722.70	N3743.264	W10537.378
	RW17L	N393502.92	W1045105.30	N3935.049	W10451.088
	RW17R	N393444.34	W1045113.38	N3934.739	W10451.223
	RW35L	N393335.23	W1045110.19	N3933.587	W10451.170
	RW35R	N393324.18	W1045100.74	N3933.403	W10451.012

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW17L	05793	47
RW17R	05804	41
RW35L	05869	37
RW35R	05885	53

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC PACKET - 424-18 - SID

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	PUB	K2011670VTHW	N38173932W104254601	N38173932W104254601E0130047592	NAR	PUEBLO							
SUSAD	TBE	K2011120VDLW	N37153117W103360020	N37153117W103360020E0120057301	NAR	TOBE							

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KB	JCK2	DS	PAZZ24	RW11B	010JEP	PCK2	EA0E					
						IF				18000			
SUSAP	KB	JCK2	DS	PAZZ24	RW11B	020SP	PAZZK2	EA0EE	010TF				
SUSAP	KB	JCK2	DS	PAZZ24	RW29B	010JEP	PCK2	EA0E					
						IF				18000			
SUSAP	KB	JCK2	DS	PAZZ24	RW29B	020SP	PAZZK2	EA0EE	010TF				
SUSAP	KB	JCK2	DS	PAZZ26	JOPLN	010SP	PAZZK2	EA0E					
						IF				18000			
SUSAP	KB	JCK2	DS	PAZZ26	JOPLN	020PUB	K2D	0V	010TF				
SUSAP	KB	JCK2	DS	PAZZ26	JOPLN	030JO	PLNK2	EA0EE	010TF				
SUSAP	KB	JCK2	DS	PAZZ26	TBE	010SP	PAZZK2	EA0E					
						IF				18000			
SUSAP	KB	JCK2	DS	PAZZ26	TBE	020PUB	K2D	0V	010TF				
SUSAP	KB	JCK2	DS	PAZZ26	TBE	030TBE	K2D	0VE	010TF				
SUSAP	KB	JCK2	DS	PAZZ26	ZAPAA	010SP	PAZZK2	EA0E					
						IF				18000			
SUSAP	KB	JCK2	DS	PAZZ26	ZAPAA	020FR	NKEK2	EA0E	010TF				
										+ FL230			
SUSAP	KB	JCK2	DS	PAZZ26	ZAPAA	030ZA	PAAK2	EA0EE	010TF				

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11B	JEPPC	010		IF		FB					
	RW11B	SPAZZ	020		TF		FB	1.0				
	RW29B	JEPPC	010		IF		FB					
	RW29B	SPAZZ	020		TF		FB	1.0				
	JOPLN	SPAZZ	010		IF		FB					
	JOPLN	PUB	020		TF		FB	1.0				
	JOPLN	JOPLN	030		TF		FB	1.0				
	TBE	SPAZZ	010		IF		FB					
	TBE	PUB	020		TF		FB	1.0				
	TBE	TBE	030		TF		FB	1.0				
	ZAPAA	SPAZZ	010		IF		FB					
	ZAPAA	FRNKE	020		TF		FB	1.0			AA FL230	
	ZAPAA	ZAPAA	030		TF		FB	1.0				

## POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
PUB	N381739.32	W1042546.01	N3817.655	W10425.767
TBE	N371531.17	W1033600.20	N3715.520	W10336.003
FRNKE	N384505.00	W1045507.39	N3845.083	W10455.123
JEPPC	N392333.92	W1043532.85	N3923.565	W10435.548
JOPLN	N372437.63	W1041103.71	N3724.627	W10411.062
SPAZZ	N390239.07	W1044412.98	N3902.651	W10444.216
ZAPAA	N374315.85	W1053722.70	N3743.264	W10537.378
RW11L	N395455.05	W1050742.28	N3954.918	W10507.705
RW11R	N395451.10	W1050753.55	N3954.852	W10507.893
RW29L	N395412.12	W1050639.33	N3954.202	W10506.656
RW29R	N395404.95	W1050606.91	N3954.083	W10506.115

## RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW11L	05660	41
RW11R	05673	40
RW29L	05595	41
RW29R	05566	52



DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

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## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013
SUSAP KDENK2DSPAZZ24RW16L	010 0	VI	1725	18000	
SUSAP KDENK2DSPAZZ24RW16L	020RAYDRK2EA0E	010CF DEN K2	1528010514930121D	- 10000	
SUSAP KDENK2DSPAZZ24RW16L	030JETAGK2EA0E	010TF		- 12000	
SUSAP KDENK2DSPAZZ24RW16L	040JEPPCK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW16L	050SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW16R	010 0	VI	1725	18000	
SUSAP KDENK2DSPAZZ24RW16R	020RAYDRK2EA0E	010CF DEN K2	1528010514570116D	- 10000	
SUSAP KDENK2DSPAZZ24RW16R	030JETAGK2EA0E	010TF		- 12000	
SUSAP KDENK2DSPAZZ24RW16R	040JEPPCK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW16R	050SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW17L	010 0	VI	1725	18000	
SUSAP KDENK2DSPAZZ24RW17L	020RAYDRK2EA0E	010CF DEN K2	1528010515670098D	- 10000	
SUSAP KDENK2DSPAZZ24RW17L	030JETAGK2EA0E	010TF		- 12000	
SUSAP KDENK2DSPAZZ24RW17L	040JEPPCK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW17L	050SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW17R	010 0	VI	1725	18000	
SUSAP KDENK2DSPAZZ24RW17R	020RAYDRK2EA0E	010CF DEN K2	1528010515180100D	- 10000	
SUSAP KDENK2DSPAZZ24RW17R	030JETAGK2EA0E	010TF		- 12000	
SUSAP KDENK2DSPAZZ24RW17R	040JEPPCK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW17R	050SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW25	010 0	VI	2625	18000230	-
SUSAP KDENK2DSPAZZ24RW25	020BRKEMK2EA0E	010CF DEN K2	2627009424370051D	- 10000	
SUSAP KDENK2DSPAZZ24RW25	030NMBSSK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW25	040LENNNK2EA0E	010TF		+ 10000	280
SUSAP KDENK2DSPAZZ24RW25	050TIKLRK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW25	060CIROSK2EA0E	010TF		+ 14000	
SUSAP KDENK2DSPAZZ24RW25	070ICECIK2EA0E	010TF		+ 16000	
SUSAP KDENK2DSPAZZ24RW25	080SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW34B	010 0	VA	3525	+ 05934	18000230
SUSAP KDENK2DSPAZZ24RW34B	020BRKEMK2EA0E	L010DF		- 10000	
SUSAP KDENK2DSPAZZ24RW34B	030NMBSSK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW34B	040LENNNK2EA0E	010TF		+ 10000	280
SUSAP KDENK2DSPAZZ24RW34B	050TIKLRK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW34B	060CIROSK2EA0E	010TF		+ 14000	
SUSAP KDENK2DSPAZZ24RW34B	070ICECIK2EA0E	010TF		+ 16000	
SUSAP KDENK2DSPAZZ24RW34B	080SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ24RW35B	010 0	VA	3525	+ 05934	18000
SUSAP KDENK2DSPAZZ24RW35B	020KIDNGK2EA0E	R010DF		- 10000	
SUSAP KDENK2DSPAZZ24RW35B	030TWWINK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW35B	040TAILLK2EA0E	010TF			
SUSAP KDENK2DSPAZZ24RW35B	050FIGTRK2EA0E	010TF		+ 14000	
SUSAP KDENK2DSPAZZ24RW35B	060SUUPRK2EA0E	010TF		+ 16000	
SUSAP KDENK2DSPAZZ24RW35B	070SPAZZK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ26JOPLN	010SPAZZK2EA0E	IF			18000
SUSAP KDENK2DSPAZZ26JOPLN	020PUB K2D 0V	010TF			
SUSAP KDENK2DSPAZZ26JOPLN	030JOPLNK2EA0EE	010TF			
SUSAP KDENK2DSPAZZ26TBE	010SPAZZK2EA0E	IF			18000

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

Page 13 of 22

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VI		FB		082.5 ( )			
	RW08	KIDNG	020		CF		FB	1.0	105.7 ( )	009.9	AB 10000	
	RW08	TWWIN	030		TF		FB	1.0				
	RW08	TAILL	040		TF		FB	1.0				
	RW08	FIGTR	050		TF		FB	1.0			AA 14000	
	RW08	SUUPR	060		TF		FB	1.0			AA 16000	
	RW08	SPAZZ	070		TF		FB	1.0				
	RW16L		010		VI		FB		172.5 ( )			
	RW16L	RAYDR	020		CF		FB	1.0	149.3 ( )	012.1	AB 10000	
	RW16L	JETAG	030		TF		FB	1.0			AB 12000	
	RW16L	JEPPC	040		TF		FB	1.0				
	RW16L	SPAZZ	050		TF		FB	1.0				
	RW16R		010		VI		FB		172.5 ( )			
	RW16R	RAYDR	020		CF		FB	1.0	145.7 ( )	011.6	AB 10000	
	RW16R	JETAG	030		TF		FB	1.0			AB 12000	
	RW16R	JEPPC	040		TF		FB	1.0				
	RW16R	SPAZZ	050		TF		FB	1.0				
	RW17L		010		VI		FB		172.5 ( )			
	RW17L	RAYDR	020		CF		FB	1.0	156.7 ( )	009.8	AB 10000	
	RW17L	JETAG	030		TF		FB	1.0			AB 12000	
	RW17L	JEPPC	040		TF		FB	1.0				
	RW17L	SPAZZ	050		TF		FB	1.0				
	RW17R		010		VI		FB		172.5 ( )			
	RW17R	RAYDR	020		CF		FB	1.0	151.8 ( )	010.0	AB 10000	
	RW17R	JETAG	030		TF		FB	1.0			AB 12000	
	RW17R	JEPPC	040		TF		FB	1.0				
	RW17R	SPAZZ	050		TF		FB	1.0				
	RW25		010		VI		FB		262.5 ( )			AB 230
	RW25	BRKEM	020		CF		FB	1.0	243.7 ( )	005.1	AB 10000	
	RW25	NMBSS	030		TF		FB	1.0				
	RW25	LENNN	040		TF		FB	1.0			AA 10000	AB 280
	RW25	TIKLR	050		TF		FB	1.0				
	RW25	CIROS	060		TF		FB	1.0			AA 14000	
	RW25	ICECI	070		TF		FB	1.0			AA 16000	
	RW25	SPAZZ	080		TF		FB	1.0				
	RW34B		010		VA		FB		352.5 ( )		AA 05934	AB 230
	RW34B	BRKEM	020		DF	L	FB	1.0			AB 10000	
	RW34B	NMBSS	030		TF		FB	1.0				
	RW34B	LENNN	040		TF		FB	1.0			AA 10000	AB 280
	RW34B	TIKLR	050		TF		FB	1.0				
	RW34B	CIROS	060		TF		FB	1.0			AA 14000	
	RW34B	ICECI	070		TF		FB	1.0			AA 16000	

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

RW34B	SPAZZ	080	TF	FB	1.0		
RW35B		010	VA	FB		352.5()	AA 05934
RW35B	KIDNG	020	DF	R FB	1.0		AB 10000
RW35B	TWWIN	030	TF	FB	1.0		
RW35B	TAIL	040	TF	FB	1.0		
RW35B	FIGTR	050	TF	FB	1.0		AA 14000
RW35B	SUUPR	060	TF	FB	1.0		AA 16000
RW35B	SPAZZ	070	TF	FB	1.0		
JOPLN	SPAZZ	010	IF	FB			
JOPLN	PUB	020	TF	FB	1.0		
JOPLN	JOPLN	030	TF	FB	1.0		
TBE	SPAZZ	010	IF	FB			
TBE	PUB	020	TF	FB	1.0		
TBE	TBE	030	TF	FB	1.0		
ZAPAA	SPAZZ	010	IF	FB			
ZAPAA	FRNKE	020	TF	FB	1.0		AA FL230
ZAPAA	ZAPAA	030	TF	FB	1.0		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DEN	N394845.05	W1043938.66	N3948.751	W10439.644
	PUB	N381739.32	W1042546.01	N3817.655	W10425.767
	TBE	N371531.17	W1033600.20	N3715.520	W10336.003
	BRKEM	N394850.92	W1045147.63	N3948.849	W10451.794
	CIROS	N392959.92	W1044905.10	N3929.999	W10449.085
	FIGTR	N392943.58	W1043024.31	N3929.726	W10430.405
	FRNKE	N384505.00	W1045507.39	N3845.083	W10455.123
	ICECI	N392256.00	W1044527.99	N3922.933	W10445.467
	JEPPC	N392333.92	W1043532.85	N3923.565	W10435.548
	JETAG	N393330.07	W1043318.02	N3933.501	W10433.300
	JOPLN	N372437.63	W1041103.71	N3724.627	W10411.062
	KIDNG	N394837.67	W1042339.58	N3948.628	W10423.660
	LENNN	N394315.02	W1045543.70	N3943.250	W10455.728
	NMBSS	N394642.49	W1045459.23	N3946.708	W10454.987
	RAYDR	N393851.15	W1043510.81	N3938.853	W10435.180
	SPAZZ	N390239.07	W1044412.98	N3902.651	W10444.216
	SUUPR	N392321.73	W1043438.07	N3923.362	W10434.635
	TAIL	N393816.75	W1042401.83	N3938.279	W10424.031
	TIKLR	N393734.30	W1045421.73	N3937.572	W10454.362
	TWWIN	N394340.90	W1042132.89	N3943.682	W10421.548
	ZAPAA	N374315.85	W1053722.70	N3743.264	W10537.378
	RW08	N395239.20	W1043944.03	N3952.653	W10439.734
	RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
	RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
	RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
	RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
	RW25	N395026.37	W1044102.17	N3950.440	W10441.036

**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
<b>SPAZZ</b>	<b>TWO</b>	<b>SPAZZ2.SPAZZ</b>	<b>ONE</b>	<b>10 JAN 2013</b>	<b>22 AUG 2013</b>

RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

## RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08	05354	52
RW16L	05350	60
RW16R	05322	55
RW17L	05328	48
RW17R	05378	60
RW25	05355	55
RW34L	05327	50
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59

### DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC PACKET - 424-18 - SID

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFN	LK2	DS	PA	ZZ	24	RW	15	010	JEP	PK2	EA	0E
SUSAP	KFN	LK2	DS	PA	ZZ	24	RW	15	020	SP	AZZ	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	24	RW	33	010	JEP	PK2	EA	0E
SUSAP	KFN	LK2	DS	PA	ZZ	24	RW	33	020	SP	AZZ	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	JO	PLN	010	SP	AZZ	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	JO	PLN	020	PUB	K2	D	0V
SUSAP	KFN	LK2	DS	PA	ZZ	26	JO	PLN	030	JO	PLN	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	TB	E	010	SP	AZZ	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	TB	E	020	PUB	K2	D	0V
SUSAP	KFN	LK2	DS	PA	ZZ	26	TB	E	030	TB	K2	D	0VE
SUSAP	KFN	LK2	DS	PA	ZZ	26	ZA	PAA	010	SP	AZZ	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	ZA	PAA	020	FR	NKE	K2	EA
SUSAP	KFN	LK2	DS	PA	ZZ	26	ZA	PAA	030	ZA	PA	A	K2

[illegible]

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

## ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW15	JEPPC	010		IF		FB					
	RW15	SPAZZ	020		TF		FB	1.0				
	RW33	JEPPC	010		IF		FB					
	RW33	SPAZZ	020		TF		FB	1.0				
	JOPLN	SPAZZ	010		IF		FB					
	JOPLN	PUB	020		TF		FB	1.0				
	JOPLN	JOPLN	030		TF		FB	1.0				
	TBE	SPAZZ	010		IF		FB					
	TBE	PUB	020		TF		FB	1.0				
	TBE	TBE	030		TF		FB	1.0				
	ZAPAA	SPAZZ	010		IF		FB					
	ZAPAA	FRNKE	020		TF		FB	1.0			AA FL230	
	ZAPAA	ZAPAA	030		TF		FB	1.0				

## POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
PUB	N381739.32	W1042546.01	N3817.655	W10425.767
TBE	N371531.17	W1033600.20	N3715.520	W10336.003
FRNKE	N384505.00	W1045507.39	N3845.083	W10455.123
JEPPC	N392333.92	W1043532.85	N3923.565	W10435.548
JOPLN	N372437.63	W1041103.71	N3724.627	W10411.062
SPAZZ	N390239.07	W1044412.98	N3902.651	W10444.216
ZAPAA	N374315.85	W1053722.70	N3743.264	W10537.378
RW15	N402744.21	W1050102.70	N4027.737	W10501.045
RW33	N402625.08	W1050025.89	N4026.418	W10500.432

## RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW15	04973	50
RW33	05016	51



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC PACKET - 424-18 - SID

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	PUB	K2011670VTHW	N38173932W	104254601	N38173932W	104254601E	0130047592	NARPUEBLO					
SUSAD	TBE	K2011120VDLW	N37153117W	103360020	N37153117W	103360020E	0120057301	NARTOBE					

[illegible][illegible][illegible]

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

[illegible]

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW08		010		VA		FB		083.2()		AA 06020	
	RW08		020		VM		FB		083.2()			
	RW08	JEPPC	030		DF		FB	1.0				
	RW08	SPAZZ	040		TF		FB	1.0				
	RW17		010		VA		FB		172.0()		AA 06020	
	RW17		020		VM		FB		172.0()			
	RW17	JEPPC	030		DF		FB	1.0				
	RW17	SPAZZ	040		TF		FB	1.0				
	RW26		010		VA		FB		263.2()		AA 06020	
	RW26		020		VM		FB		263.2()			
	RW26	JEPPC	030		DF		FB	1.0				
	RW26	SPAZZ	040		TF		FB	1.0				
	RW35		010		VA		FB		352.0()		AA 06020	
	RW35		020		VM		FB		352.0()			
	RW35	JEPPC	030		DF		FB	1.0				
	RW35	SPAZZ	040		TF		FB	1.0				
	JOPLN	SPAZZ	010		IF		FB					
	JOPLN	PUB	020		TF		FB	1.0				
	JOPLN	JOPLN	030		TF		FB	1.0				
	TBE	SPAZZ	010		IF		FB					
	TBE	PUB	020		TF		FB	1.0				
	TBE	TBE	030		TF		FB	1.0				
	ZAPAA	SPAZZ	010		IF		FB					
	ZAPAA	FRNKE	020		TF		FB	1.0			AA FL230	
	ZAPAA	ZAPAA	030		TF		FB	1.0				

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PUB	N381739.32	W1042546.01	N3817.655	W10425.767
	TBE	N371531.17	W1033600.20	N3715.520	W10336.003
	FRNKE	N384505.00	W1045507.39	N3845.083	W10455.123
	JEPPC	N392333.92	W1043532.85	N3923.565	W10435.548
	JOPLN	N372437.63	W1041103.71	N3724.627	W10411.062
	SPAZZ	N390239.07	W1044412.98	N3902.651	W10444.216
	ZAPAA	N374315.85	W1053722.70	N3743.264	W10537.378
	RW08	N394738.42	W1043354.87	N3947.640	W10433.915
	RW17	N394708.15	W1043127.24	N3947.136	W10431.454
	RW26	N394736.82	W1043212.43	N3947.614	W10432.207
	RW35	N394549.10	W1043127.22	N3945.818	W10431.454

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH

**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SPAZZ	TWO	SPAZZ2.SPAZZ	ONE	10 JAN 2013	22 AUG 2013

RW08	05450	50
RW17	05473	55
RW26	05485	45
RW35	05512	54