

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

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
JOJJO	FIVE	JOJJO5.JOJJO	FOUR	01/03/19	

<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:**

**CHARLOTTE/DOUGLAS INTL (KCLT):**

**TAKEOFF RWY 18C:** CLIMB ON HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...  
**TAKEOFF RWY 18L:** CLIMB ON HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...  
**TAKEOFF RWY 18R:** CLIMB ON HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...  
**TAKEOFF RWY 36C:** CLIMB ON HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...  
**TAKEOFF RWY 36L:** CLIMB ON HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...  
**TAKEOFF RWY 36R:** CLIMB ON HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC ON RADAR VECTORS TO WAYDS, THENCE...

...ON DEPICTED ROUTE TO JOJJO, THEN ON ASSIGNED TRANSITION. MAINTAIN 8000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

**CONCORD-PADGETT RGNL (KJQF):**

**TAKEOFF RWY 2:** CLIMB ON HEADING 016.46 TO 2200, THEN ON HEADING ASSIGNED BY ATC, THENCE...  
**TAKEOFF RWY 20:** CLIMBING LEFT TURN HEADING 150.00 TO 2400, THEN ON HEADING ASSIGNED BY ATC, THENCE...

**GASTONIA MUNI (KAKH):**

**TAKEOFF RWY 3:** CLIMB ON HEADING 049.34 TO 2700 BEFORE TURNING LEFT, THEN ON HEADING ASSIGNED BY ATC, THENCE...  
**TAKEOFF RWY 21:** CLIMB ON HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH, THEN ON HEADING ASSIGNED BY ATC, THENCE...

**LINCOLNTON-LINCOLN COUNTY RGNL (KIPJ):**

**TAKEOFF RWY 5:** CLIMB ON HEADING 063.15 TO 2000 BEFORE PROCEEDING ON COURSE, THEN ON HEADING ASSIGNED BY ATC, THENCE...  
**TAKEOFF RWY 23:** CLIMB ON HEADING 243.16 TO 2800 BEFORE TURNING LEFT, THEN ON HEADING ASSIGNED BY ATC, THENCE...

**MID-CAROLINA RGNL (KRUQ):**

**TAKEOFF RWY 2:** CLIMB ON HEADING ASSIGNED BY ATC, THENCE...  
**TAKEOFF RWY 20:** CLIMB ON HEADING 201.99 TO 1700 BEFORE TURNING RIGHT, THEN ON HEADING ASSIGNED BY ATC, THENCE...

... ON RADAR VECTORS TO WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. THEN ON ASSIGNED TRANSITION. MAINTAIN 3000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

**DEPARTING CHARLOTTE-MONROE EXECUTIVE (KEQY), LANCASTER COUNTY-MC WHIRTER FIELD (KLKR), STANLY COUNTY (KVUJ), MID-CAROLINA RGNL (KRUQ), AND ROCK HILL/YORK CO/ BRYANT FIELD (KUZA):** CLIMB ON HEADING ASSIGNED BY ATC, ON RADAR VECTORS TO WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. THEN ON ASSIGNED TRANSITION. MAINTAIN 3000, EXPECT FILED ALTITUDE WITHIN 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>
CUBIM	JOJJO5.CUBIM	JOJJO	WLLGO	TRACK 304.55	7.46	7800	5100	
		WLLGO	BENBY	TRACK 304.92	17.49	11300	5200	



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JOJJO	FIVE	JOJJO5.JOJJO	FOUR	01/03/19	
	BENBY	TIELR	TRACK 329.37	75.63	FL180 8500
	TIELR	CUBIM	TRACK 329.44	10.03	FL180 6200
DOOGE	JOJJO5.DOOGE	JOJJO	MTCHL	TRACK 330.98	6.32 7500 4300
	MTCHL	DOOGE	TRACK 331.52	86.47	FL180 7800
NOONN	JOJJO5.NOONN	JOJJO	WLLGO	TRACK 304.55	7.46 7800 5100
	WLLGO	BENBY	TRACK 304.92	17.49	11300 5200
	BENBY	SLEPP	TRACK 304.75	55.13	FL180 8500
	SLEPP	BFORE	TRACK 272.36	37.69	FL180 5100
	BFORE	NOONN	TRACK 271.93	68.27	FL180 6100

**PROCEDURAL DATA NOTES:**

**NOTE:** FOR TURBO JETS ONLY.

**NOTE:** IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

**NOTE:** NOONN TRANSITION ATC ASSIGNED ONLY.

**NOTE:** CHARLOTTE/DOUGLAS INTL ONLY: ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC. UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC

**NOTE:** ALL OTHER AIRPORTS: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC.

**PBN REQUIREMENTS NOTES:**

RNAV 1 - DME/DME/IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

**CHARLOTTE/DOUGLAS INTL (KCLT):**

**RWY 18C, 18L, 18R, 36C, 36R:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260.

**RWY 36L:** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400.

**CONCORD-PADGETT RGNL (KJQF):**

**RWY 2:** STANDARD.

**RWY 20:** STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 2400.

**GASTONIA MUNI (KAKH):**

**RWY 3, 21:** STANDARD.

**CHARLOTTE-MONROE EXECUTIVE (KEQY):**

**RWY 5, 23:** STANDARD.

**LINCOLN-TON-LINCOLN COUNTY RGNL (KIPJ):**

**RWY 5, 23:** STANDARD.

**LANCASTER COUNTY-MC WHIRTER FIELD (KLKR):**

**RWY 6, 24:** STANDARD.

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**STANLY COUNTY (KVUJ):**

**RWY 4L, 22R:** NA - ENVIRONMENTAL.

**RWY 22L:** STANDARD

**RWY 4R:** 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 1000.

**MID-CAROLINA RGNL (KRUQ):**

**RWY 2:** STANDARD.

**RWY 20:** 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 1300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

**ROCK HILL/YORK CO/BRYANT FIELD (KUZA):**

**RWY 2, 20:** STANDARD.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**CHARLOTTE/DOUGLAS INTL (KCLT):**

**RWY 36L:** 2748 FT MSL TOWER 352145.00N/0810918.00W.

**CONCORD-PADGETT RGNL (KJQF):**

**RWY 20:** 1950 FT MSL TOWER 351715.00N/0804144.00W.

**STANLY COUNTY (KVUJ):**

**RWY 4R:** : 732 FT MSL TREE (37-111225) 352557.53N/0800829.12W (CLIMB GRADIENT), 803 FT MSL TREE (37-112801) 352620.07N/0800816.77W (CLIMB TO ALTITUDE), 820 FT MSL TREE (37-116182) 352627.52N/0800810.70W (CEILING), 790 FT MSL (37-114938) 352637.40N/0800804.59N (VISIBILITY).

**MID-CAROLINA RGNL (KRUQ):**

**RWY 20:** 1121 FT MSL TOWER 353613.00N/0803234.12W.

**MSA:**

KCLT MSA FROM KCLT 3800.

KJQF MSA FROM KJQF 3800.

KAKH MSA FROM KAKH 3800.

KEQY MSA FROM KEQY 3100.

KIPJ MSA FROM KIPJ 3800.

KLKR MSA FROM KLKR 2300.

KVUJ MSA FROM KVUJ 3100.

KRUQ MSA FROM KRUQ 3400.

KUZA MSA FROM KUZA 3800.

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

AIRPORT MV: KCLT (P) 7W/2000, KJQF 6W/1995, KAKH 6W/2000, KEQY 6W/1990, KIPJ 6W/1995, KLKR 7W/2000, KVUJ 6W/1985, KRUQ 6W/1985, KUZA 5W/1990.

DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHARLOTTE/DOUGLAS INTL - CHART:** TOP ALTITUDE 8000

**CONCORD-PADGETT RGNL - CHART:** TOP ALTITUDE 3000.

**GASTONIA MUNI - CHART:** TOP ALTITUDE 3000.

**CHARLOTTE-MONROE EXECUTIVE - CHART:** TOP ALTITUDE 3000.

**LINCOLN-TON-LINCOLN COUNTY RGNL - CHART:** TOP ALTITUDE 3000.

**LANCASTER COUNTY-MC WHIRTER FIELD - CHART:** TOP ALTITUDE 3000.



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**STANLY COUNTY - CHART:** TOP ALTITUDE 3000.  
**MID-CAROLINA RGNL - CHART:** TOP ALTITUDE 3000.  
**ROCK HILL/YORK CO/BRYANT FIELD - CHART:** TOP ALTITUDE 3000.  
**CHART NOTE: (CHARLOTTE/DOUGLAS INTL ONLY)** SEE ADDITIONAL REQUIREMENTS ON AAUP.  
**CHART:** MEA/MOCA FROM WAYDS TO LONEE, 5500/3800; MEA/MOCA FROM LONEE TO JOJJO, 6300/3600.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KCLT	CHARLOTTE	NC
KJQF	CONCORD	NC
KAKH	GASTONIA	NC
KEQY	MONROE	NC
KIPJ	LINCOLNTON	NC
KLKR	LANCASTER	SC
KVUJ	ALBEMARLE	NC
KRUQ	SALISBURY	NC
KUZA	ROCK HILL	SC

**COMMUNICATIONS:**

**CHARLOTTE/DOUGLAS INTL:** CHART: ATIS, CLNC DEL, GND CON, TOWER.  
**CONCORD-PADGETT RGNL:** CHART: ATIS, CLNC DEL, GND CON, TOWER, UNICOM.  
**GASTONIA MUNI:** CHART: ASOS, CLNC DEL, UNICOM.  
**CHARLOTTE-MONROE EXECUTIVE:** CHART: ASOS, CLNC DEL, UNICOM.  
**LINCOLNTON-LINCOLN COUNTY RGNL:** CHART: AWOS, CLNC DEL (GCO), UNICOM.  
**LANCASTER COUNTY-MC WHIRTER FIELD:** CHART: AWOS, GCO, UNICOM.  
**STANLY COUNTY:** CHART: ATIS, CLNC DEL, GND CON, TOWER.  
**MID-CAROLINA RGNL:** CHART: AWOS, CLNC DEL, UNICOM.  
**ROCK HILL/YORK CO/BRYANT FIELD:** CHART: ASOS, CLNC DEL, UNICOM

**FIXES AND/OR NAVAIDS:**

LONEE

**REMARKS:**

1. CONCORD-PADGETT RGNL RWY 20 CLIMB GRADIENT ROUNDED TO 320 FT PER NM FOR PUBLICATION (COMPUTED VALUE 317 FT PER NM).
2. MID-CAROLINA RGNL COUNTY RWY 20 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 202 FT PER NM).
3. ABBREVIATED AMENDMENT.





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JOJJO	FIVE	JOJJO5.JOJJO	FOUR	01/03/19	

NOONN: SLEPP - BFORE "4500" TO "5100" AND BFORE - NOONN FROM "5600" TO "6100".



**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>ACTUAL EFFECTIVE DATE</u>				
JOJJO	FIVE	JOJJO5.JOJJO	FOUR	01/03/19					
<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>
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-			
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM TO 1260
		-	-	VM	175.96	-			
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-			
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-			
1260 MSL		-	-	VA	175.97	-			CG 500 FT/NM TO 1260
		-	-	VM	175.97	-			
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-			
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-			
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM TO 1260
		-	-	VM	193.00	-			
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-			
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-			
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1260
		-	-	VM	323.00	-			
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-			
RW36L (AER)	351202.23N/0805755.07W	N	-	-	-	-			
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1400



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JOJJO		FIVE		JOJJO5.JOJJO		FOUR		01/03/19			
<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>		
		-	-	VM	308.00	-					
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-					
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-					
1260 MSL		-	-	VA	355.97	-			CG 500 FT/NM TO 1260		
		-	-	VM	018.00	-					
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-					
WAYDS	352635.52N/0811632.64W	Y	-	IF	-	-					
LONEE	353047.32N/0812349.25W	Y	FB	TF	305.22	7.27					
JOJJO	353316.96N/0812810.93W	Y	FB	TF	305.00	4.34					
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO5.CUBIM		
WLLGO	353643.94N/0813617.44W	Y	FB	TF	297.55	7.46					
BENBY	354454.69N/0815516.68W	Y	FB	TF	297.92	17.49					
TIELR	364440.11N/0825244.00W	Y	FB	TF	322.37	75.63					
CUBIM	365237.35N/0830020.97W	Y	FB	TF	322.44	10.03					
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO5.DOUGE		
MTCHL	353824.20N/0813244.70W	Y	FB	TF	323.98	6.32					
DOUGE	364838.93N/0823514.37W	Y	FB	TF	324.52	86.47					
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO5.NOONN		
WLLGO	353643.94N/0813617.44W	Y	FB	TF	297.55	7.46					





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JOJJO	FIVE	JOJJO5.JOJJO	FOUR	01/03/19					
<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>
BENBY	354454.69N/0815516.68W	Y	FB	TF	297.92	17.49			
SLEPP	361022.06N/0825532.16W	Y	FB	TF	297.75	55.13			
BFORE	360710.06N/0834154.49W	Y	FB	TF	265.36	37.69			
NOONN	360038.37N/0850543.68W	Y	FB	TF	264.93	68.27			

