

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
NDINA	FIVE	NDINA5.NDINA	FOUR	09/18/2014	19 JUL 2018
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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DP ROUTE DESCRIPTION:

DANIEL FIELD: TAKEOFF RWY 5, 11, 23, 29: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO PMPAS. THEN ON DEPICTED ROUTE TO NDINA. THEN FLY HEADING 273.02, FOR RADAR VECTORS, THENCE...

THOMSON-MCDUFFIE COUNTY: TAKEOFF RWY 10, 28: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO PMPAS. THEN ON DEPICTED ROUTE TO NDINA, THEN FLY HEADING 273.02, FOR RADAR VECTORS...

...MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 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>
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PROCEDURAL DATA NOTES:

NOTE: RADAR AND GPS REQUIRED.

NOTE: RNAV 1.

NOTE: DO NOT EXCEED 250 KIAS UNTIL ADVISED BY ATC.

NOTE: FOR PROP AIRCRAFT DURING MASTERS GOLF TOURNAMENT WEEK ONLY.

NOTE: TOP ALTITUDE ASSIGNED BY ATC.

TAKEOFF MINIMUMS:

DANIEL FIELD:

RWY 5, 11, STANDARD.

RWY 23, STANDARD WITH MINIMUM CLIMB OF 337 FT PER NM TO 1300.

RWY 29, STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 1300.

THOMSON-MCDUFFIE COUNTY

RWY 10 STANDARD.

RWY 28, 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 700, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DEPARTURE END OF RUNWAY.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

DANIEL FIELD:

RWY 23: 1049 FT MSL TOWER (13-001381) 332615.00N/0820526.00W

RWY 29: 1049 FT MSL TOWER (13-001381) 332615.00N/0820526.00W

THOMSON-MCDUFFIE COUNTY:

RWY 28: 629 FT MSL TREE 333143.50N/0823246.70W



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NDINA	FIVE	NDINA5.NDINA	FOUR	09/18/2014	19 JUL 2018

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAGVAR:KHQU 4W, EPOCH YEAR: 1995.
DME/DME ASSESMENT: NOT CONDUCTED.

PILOT NAVIGATION AREA:

7NM ARC CENTERED ON PMPAS (IF), CW
FROM: POINT A (BEARING 228.16 TO PMPAS)
TO: POINT B (BEARING 318.16 TO PMPAS)
MINIMUM ALTITUDE-2100

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
THOMSON-MCDUFFIE COUNTY (KHQU)	THOMSON	GA
DANIEL FIELD (KDNL)	AUGUSTA	GA

COMMUNICATIONS:

TOWER, CTAF, CLNC DEL, AGS DEP CON

FIXES AND/OR NAVAIDS:

ANNAN

REMARKS:

KHQU IS OUTSIDE PNA SECTOR IAW 8260.53 PARA 8.1.2 AND FIG 3 APPROVAL LETTER ON FILE.
CONTROLLING OBSTACLE NUMBERS NOT REQUIRED BY GUIDANCE BUT INCLUDED TO AID FUTURE PROCEDURE EVALUATORS.
PROCEDURE IS GPS REQUIRED BECAUSE KHQU IS TOO CLOSE TO FIX PMPAS ON MISTY AND NDINA SIDS. COULD NOT LOWER DME/DME EVALUATION LOW ENOUGH TO OBTAIN LESS THAN 500 FT PER NM CG. ATC ELECTED TO STANDARDIZE ALL PROCEDURES SINCE MOST OF MASTERS GOLF TOURNAMENT AIRCRAFT WOULD BE GPS CAPABLE. PNA MINIMUM ALTITUDE IS 1000 FT ABOVE TALLEST OBSTACLE AIRCRAFT COULD ENCOUNTER ENROUTE TO FIRST FIX, BUT IS NOT CHARTED OR MANDATORY BECAUSE NEW TAKEOFF MINS PROTECT AIRCRAFT FROM KNOWN OBSTACLES.

THIS IS AN ABBREVIATED AMMENDMENT

FLIGHT INSPECTED BY:

MARC J HINCK

Digitally signed by

ALLAN WILL

Apr 16, 2018

OFFICE SYMBOL:

FICO

DATE:

4/13/18

DEVELOPED BY:

AJ FIELDS

Digitally signed by

AJ FIELDS

Mar 08, 2018

OFFICE SYMBOL:

AJV-5412

DATE:

03/08/2018

APPROVED BY:

GEORGE DAVIS

Digitally signed by

ALLAN WILL

Apr 16, 2018

OFFICE SYMBOL:

AJV-5410

DATE:



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NDINA	FIVE	NDINA5.NDINA	FOUR	09/18/2014	19 JUL 2018

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
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OTHER:

ZTL, AGS APP CON, HQU AND DNL AMGR

CHANGES - REASONS:

1. CHANGED ALL REFERENCES TO NDINA FOUR TO NDINA FIVE, CHANGED ALL COMPUTER CODES FROM 4 TO 5.--ABBREVIATED AMENDMENT.
2. CHANGED DP ROUTE DESCRIPTION FROM DANIEL FIELD: TAKEOFF RWY 5, 11, 23, 29: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO PMPAS. THEN ON DEPICTED ROUTE TO NDINA. THEN FLY HEADING 273.02, EXPECT RADAR VECTORS, THENCE...
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TO
DANIEL FIELD: TAKEOFF RWY 5, 11, 23, 29: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO PMPAS. THEN ON DEPICTED ROUTE TO NDINA. THEN FLY HEADING 273.02, FOR RADAR VECTORS, THENCE...
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3. PROCEDURAL DATA NOTES: CHANGED NOTE DO EXCEED 230 KIAS UNTIL ADVISED BY ATC, TO DO NOT EXCEED 250 KIAS UNTIL ADVISED BY ATC. THIS IS THE REASON DRIVING THIS AMENDMENT.
4. ADDED NOTE: TOP ALTITUDE ASSIGNED BY ATC--REQUIRED NOTE.
5. CHANGED ALL REFERENCES TO THOMPSON-MCDUFFIE COUNTY TO THOMSON-MCDUFFIE COUNTY--MATCH AIRNAV DATA.
6. TAKEOFF OBSTACLE NOTES DELETED FROM THIS FORM--ONLY DOCUMENTED ON THE AIRPORTS 15A NOW.

QUALITY
3
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>
NDINA		FIVE		NDINA5.NDINA		FOUR		09/18/2014	19 JUL 2018
<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>
PMPAS	332740.48N/0823138.11W	-	-	IF	-	-			
ANNAN	332730.26N/0824433.99W	Y	FB	TF	269.16	10.82			
NDINA	332719.75N/0825608.74W	Y	FO	TF	269.02	9.69			
		-	-	VM	269.02	-			

QUALITY
3
CHECKED