NOTE: For turbojet aircraft only.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Rwys 5L, 5R, 23L: RADAR required.
NOTE: LANDING northeast: Select Rwy 5L.
NOTE: Expect to receive landing direction (northeast/ southwest) from Washington ARTCC; RDU approach will assign landing runway.
NOTE: LANDING southwest: Select Rwy 23R.

NOTE: Chart not to scale.
ARRIVAL ROUTE DESCRIPTION

HAFNR TRANSITION (HAFNR.ALDAN2)
KPASS TRANSITION (KPASS.ALDAN2)
ROANOKE TRANSITION (ROA.ALDAN2)

From over SBV VORTAC on track 176° to FRAZI, then on track 176° to FAVKO, cross FAVKO at/above 10000 and at/below 12000, then on track 176° to ALDAN, cross ALDAN at/above 10000 and at/below 12000. Then on assigned runway transition.

LANDING RWY 23R: From over ALDAN on track 153° to GAZER, cross GAZER at/above 8000 and at/below 9000, then on track 153° to HARSH, cross HARSH at 8000 and 210K, then on track 153° to BUTTS, cross BUTTS at 6000. Expect RNAV (RNP) approach.

LANDING RWY 23L: From over ALDAN on track 153° to GAZER, cross GAZER at/above 8000 and at/below 9000, then on track 153° to HARSH, cross HARSH at 8000 and 210K, then on track 153° to BUTTS, cross BUTTS at 6000, then on track 153°. Expect RADAR vectors to final approach course.

LANDING RWYS 5L/5R: From over ALDAN on track 176° to FOBAT, then on track 176° to BILLA, then on track 176° to BLNKR, cross BLNKR at 8000 and 210K, then on track 191° to GABL, then on track 224° to HEAVE, then on track 234° to JEMMY, then on track 234°. Expect RADAR vectors to final approach course.
ARRIVAL ROUTE DESCRIPTION

FRANKLIN TRANSITION (FKN.ARGAL6): From over FKN VORTAC on FKN R-249 to DUFFI, then on RDU R-068 to ARGAL. Thence . . .

HOPEWELL TRANSITION (HPW.ARGAL6): From over HPW VORTAC on HPW R-215 to DUFFI, then on RDU R-068 to ARGAL. Thence . . .

SALISBURY TRANSITION (SBY.ARGAL6): From over SBY VORTAC on SBY R-213 and CCV R-031 to CCV VORTAC, then on CCV R-236 to DRIVE, then on FKN R-071 to FKN VORTAC, then on FKN R-249 to DUFFI, then on RDU R-068 to ARGAL. Thence . . .

SNOW HILL TRANSITION (SWL.ARGAL6): From over SWL VORTAC on SWL R-219 and CCV R-041 to CCV VORTAC, then on CCV R-236 to DRIVE, then on FKN R-071 to FKN VORTAC, then on FKN R-249 to DUFFI, then on RDU R-068 to ARGAL. Thence . . .

. . . . from over ARGAL on RDU R-068 to RDU VORTAC. Expect RADAR vectors to final approach course after ARGAL.

NOTE: RADAR required.
RALEIGH-DURHAM INTL (RNAV)

NOTE: Chart not to scale.

RALEIGH/DURHAM, NORTH CAROLINA

TYI
TAR RIVER

10 NM

TIBIA
6000  210K

TOYER
234°

STINT
4000

TIME
4000

AGOLE
4000

SULIE
4000

CABED
9000

8000

ORLAC
8000

210K

FL 80

244°

(10)

TILTZ

17000

306°

(11)

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

KINSTON TRANSITION (ISO.BLOGS2)

From over BLOGS on track 309° to CABED, cross CABED at/above 8000 and at/below 9000. Thence on assigned runway transition.

LANDING RWYS 5L/5R: From over CABED on track 311° to ORLAC, cross ORLAC at 8000 and at 210K, then on track 294° to TILTZ, then on track 245° to STINT, then on track 234° to TOYER, then on track 234°. Expect RADAR vectors to final approach course.

LANDING RWYS 23L/23R: From over CABED on track 319° to AGOLE, cross AGOLE at/above 8000, then on track 319° to SULIE, then on track 340° to TIBIA, cross TIBIA at 6000 and at 210K, then on track 054° to UNCUl, then on track 054°. Expect RADAR vectors to final approach course.

TAR RIVER TRANSITION (TYI.BLOGS2)

WILMINGTON TRANSITION (ILM.BLOGS2)

NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: Turbojet aircraft only.

NOTE: Landing southwest: Select Rwy 23L.

NOTE: Landing northeast: Select Rwy 5R.

NOTE: Expect to receive landing direction (northeast/southwest) from Washington ARTCC; RDU approach will assign landing runway.

NOTE: Turboprop aircraft only.

NOTE: DME/DME/IRU or GPS required.

NOTE: Radar required.

NOTE: RNAV 1.

NOTE: Radar vectors to final approach course.

AL 5.4 (FAA)

SE-2, 02 JAN 2020 to 30 JAN 2020
ARRIVAL ROUTE DESCRIPTION

KINSTON TRANSITION (ISO.BRADE6): From over ISO VORTAC on ISO R-302 to BRADE, thence . . . .

TAR RIVER TRANSITION (TYI.BRADE6): From over TYI VORTAC on TYI R-238 to BRADE, thence . . . .

WILMINGTON TRANSITION (ILM.BRADE6): From over ILM VORTAC on ILM R-012 to TILTZ, then on ISO R-302 to BRADE, thence . . . .

. . . . from over BRADE on RDU R-125 to RDU VORTAC. Expect RADAR vectors to final approach course after WENDI.
BUZZY EIGHT ARRIVAL

BUZZY EIGHT ARRIVAL (BUZZY.BUZZY8) 19003
RALEIGH/DURHAM, NORTH CAROLINA

ARRIVAL ROUTE DESCRIPTION

COLUMBIA TRANSITION (CAE.BUZZY8): From over CAE VORTAC on CAE R-043 and SDZ R-225 to SDZ VORTAC, then on SDZ R-033 to BUZZY.

... Thence on RALEIGH/DURHAM VORTAC R-242 to RDU. Expect RADAR vectors to final approach course after BUZZY.

NOTE: Chart not to scale.
NOTE: Chart not to scale.

**KAROO TWO ARRIVAL (RNAV) Transition Routes**

**RALEIGH/DURHAM, NORTH CAROLINA**

### ARGAL Transition (ARGAL.KAROO2)

- **ALTITUDE:** FL180
- **DME:** 215 (49)
- **ICAO:** COUPN
- **NOTE:** DME/DME/IRU or GPS required.
- **NOTE:** Turbojet aircraft only.
- **NOTE:** Rwys 5L/5R: RADAR required for non-GPS equipped aircraft.
- **NOTE:** Rwys 23L/23R: RADAR required.
- **NOTE:** LANDING NORTHEAST: Select Rwy 5R.
- **NOTE:** LANDING SOUTHWEST: Select Rwy 23L.
- **NOTE:** Rwys 23L/23R: RADAR required.

### SALISBURY Transition (SBY.KAROO2)

- **ALTITUDE:** FL180
- **DME:** 215 (49)
- **ICAO:** COUPN
- **NOTE:** DME/DME/IRU or GPS required.
- **NOTE:** RNAV 1.

### HOPEWELL Transition (HPW.KAROO2)

- **ALTITUDE:** FL180
- **DME:** 215 (49)
- **ICAO:** COUPN
- **NOTE:** DME/DME/IRU or GPS required.
- **NOTE:** Turbojet aircraft only.
- **NOTE:** Rwys 5L/5R: RADAR required for non-GPS equipped aircraft.

### SNOW HILL Transition (SWL.KAROO2)

- **ALTITUDE:** FL180
- **DME:** 215 (49)
- **ICAO:** COUPN
- **NOTE:** DME/DME/IRU or GPS required.

**See following page for arrival routes**

**NOTES CONTINUED ON FOLLOWING PAGE**

**NARRATIVE ON FOLLOWING PAGE**
ARRIVAL ROUTE DESCRIPTION

From ARGAL on track 248° to cross KAROO between 8000 and 12000.

LANDING RWYS 5L/R: From KAROO on track 248° to MUFLY, then on track 231° to cross NEWIE at 8000 and at 210K, then on track 224° to OCHRE, then on track 234° to STINT, then on track 234° to TOYER, then on track 234°. Expect RADAR vectors to final approach course.

LANDING RWYS 23L/R: From KAROO on track 259° to cross LEASA between 6000 and 8000, then on track 261° to cross PAINS at 6000 and at 230K. Expect RNAV (RNP) approach.

NOTE: Chart not to scale.
MALNR FOUR ARRIVAL (RNAV)

NOTE: Chart not to scale.

RALEIGH-DURHAM INTL (RDU)

TREATMENT (TREAL.MALNR4)
PYRES TRANSITION (PYRES.MALNR4)
PETTO TRANSITION (PETTO.MALNR4)

FLORENCE TRANSITION (FLO.MALNR4)

NOTE: Radar required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: FLORENCE TRANSITION: Assigned by ATC only.

CONTINUED ON FOLLOWING PAGE)
(NARRATIVE ON FOLLOWING PAGE)

SE-2, 02 Jan 2020 to 30 Jan 2020
NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: FLORENCE TRANSITION: Assigned by ATC only.
NOTE: LANDING NORTHEAST: Select Rwy 5L.
   Expect to receive landing direction from Washington ARTCC, RDU approach will
   assign landing runway.
NOTE: LANDING SOUTHWEST: Select Rwy 23R.
   Expect to receive landing direction from Washington ARTCC, RDU approach will assign
   landing runway.

ARRIVAL ROUTE DESCRIPTION

From MALNR on track 039° to cross BUZZY between 10000 and 16000 and at 250K, then on track 062° to RASKL.

LANDING RWYS 5L/5R: From RASKL on track 067° to cross NEDIE between 6000 and 8000, then on track 068° to cross
   OTTOS at 6000 and at 230K. Expect RNAV (RNP) approach or RADAR vectors to final approach course.

LANDING RWY 23L: From RASKL on track 063° to cross WISPY at or below 12000, then on track 063° to cross CAKEY
   at 8000 and at 210K, then on track 098° to JODUS, then on track 073° to KENCH, then on track 054° to LEZZY, then on
   track 054°. Expect RADAR vectors to final approach course.

LANDING RWY 23R: From RASKL on track 063° to cross WISPY at or below 12000, then on track 063° to cross CAKEY
   at 8000 and at 210K, then on track 019° to FRETO, then on track 032° to GLEYs, then on track 054° to JOLTY, then on
   track 054°. Expect RADAR vectors to final approach course.
ARRIVAL ROUTE DESCRIPTION

GORDONSVILLE TRANSITION (GVE.SBV6): From over GVE VORTAC on GVE R-213 and SBV R-032 to SBV VORTAC. Thence . . .

PULASKI TRANSITION (PSK.SBV6): From over PSK VORTAC on PSK R-100 to TABER, then on SBV R-300 to SBV VORTAC. Thence . . .

ROANOKE TRANSITION (ROA.SBV6): From over ROA VOR/DME on ROA R-132 and SBV R-314 to SBV VORTAC. Thence . . .

. . . from over SBV VORTAC on SBV R-172 and RDU VORTAC R-356 to RDU VORTAC. For arrivals to KRDU, KLHZ, KJNX, and KTDA airports: Expect RADAR vectors to final approach course after BILLA.

For arrivals to KHNZ and KTDF airports: Expect RADAR vectors to final approach course after ALDAN.