

**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SUPERSEDED NUMBER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>
BNGOS	FOUR	BNGOS4.BNGOS	THREE	11/03/2022	<b>21 Mar 2024</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:**

MIAMI INTL:

TAKEOFF RWY 8L: CLIMB ON HEADING 092.38 TO 520, THEN DIRECT CSALT, THEN ON TRACK 006.96 TO DEALZ, THEN ON TRACK 347.54 TO LIIVV, THEN ON TRACK 296.84 TO NIBLT, THEN ON TRACK 312.23 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 8R: CLIMB ON HEADING 092.38 TO 520, THEN DIRECT CSALT, THEN ON TRACK 006.96 TO DEALZ, THEN ON TRACK 347.54 TO LIIVV, THEN ON TRACK 296.84 TO NIBLT, THEN ON TRACK 312.23 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 9: CLIMB ON HEADING 092.37 TO INTERCEPT COURSE 082.39 TO CSALT, THEN ON TRACK 006.96 TO DEALZ, THEN ON TRACK 347.54 TO LIIVV, THEN ON TRACK 296.84 TO NIBLT, THEN ON TRACK 312.23 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 12: CLIMB ON HEADING 124.46 TO INTERCEPT COURSE 077.74 TO CSALT, THEN ON TRACK 006.96 TO DEALZ, THEN ON TRACK 347.54 TO LIIVV, THEN ON TRACK 296.84 TO NIBLT, THEN ON TRACK 312.23 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 26L: CLIMB ON HEADING 272.39 TO INTERCEPT COURSE 282.38 TO KROCS, THEN ON TRACK 315.14 TO RUSSS, THEN ON TRACK 324.91 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 26R: CLIMB ON HEADING 272.39 TO INTERCEPT COURSE 282.40 TO KROCS, THEN ON TRACK 315.14 TO RUSSS, THEN ON TRACK 324.91 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 27: CLIMB ON HEADING 272.39 TO INTERCEPT COURSE 297.85 TO KROCS, THEN ON TRACK 315.14 TO RUSSS, THEN ON TRACK 324.91 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 30: CLIMB ON HEADING 304.47 TO 520, THEN DIRECT WADLE, THEN ON TRACK 322.67 TO CROSS MRENO AT OR ABOVE 5000, THENCE ...

...ON TRACK 321.65 TO BNGOS, THEN ON TRANSITION, MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

HOMESTEAD ARB:

TAKEOFF RWY 6: CLIMB ON HEADING 055.32 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING 235.33 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

...ON TRACK 321.65 TO BNGOS, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.



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BNGOS	FOUR	BNGOS4.BNGOS	THREE	11/03/2022	<b>21 Mar 2024</b>

## MIAMI EXEC:

TAKEOFF RWY 9L: CLIMB ON HEADING 093.31 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING 093.31 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING 133.34 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING 273.32 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING 273.32 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 313.35 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

...ON TRACK 321.65 TO BNGOS, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

## MIAMI HOMESTEAD GENERAL AVIATION:

TAKEOFF RWY 10: CLIMB ON HEADING 095.69 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 18: CLIMB ON HEADING 185.49 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 275.69 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 005.49 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

...ON TRACK 321.65 TO BNGOS, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

## MIAMI-OPA LOCKA EXEC:

TAKEOFF RWY 9L: CLIMB ON HEADING 092.94 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 9R: CLIMB ON HEADING 092.96 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 12: CLIMB ON HEADING 127.84 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING 272.97 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING 272.95 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

TAKEOFF RWY 30: CLIMB ON HEADING 307.84 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE...

...ON TRACK 321.65 TO BNGOS, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
BNGOS	FOUR	BNGOS4.BNGOS	THREE	11/03/2022	<b>21 Mar 2024</b>

<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>
DOLIE	BNGOS4.DOLIE	BNGOS	COREA	TRACK 321.54	10.20	5000	1400	
		COREA	DOLIE	TRACK 321.35	53.87	5000	1600	
COREA	BNGOS4.COREA	BNGOS	COREA	TRACK 321.54	10.20	5000	1400	
MERKS	BNGOS4.MERKS	BNGOS	MERKS	TRACK 270.00	8.00	5000	1400	

**PBN REQUIREMENT NOTES:**

RNAV - 1 DME/DME/IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY.

NOTE: ACCELERATE TO 250 KIAS UNTIL LEAVING 10000, IF UNABLE, ADVISE ATC.

NOTE: MERKS TRANSITION ATC ASSIGNED ONLY EXCEPT AIRCRAFT LANDING: MKY, RSW, APF, PGD AND FMY.

**TAKEOFF MINIMUMS:**

MIAMI INTL:

RWY 8L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 215 FT/NM TO 1400.

RWY 8R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 235 FT/NM TO 1400.

RWY 9: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 240 FT/NM TO 1400.

RWY 12: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 230 FT/NM TO 1400.

RWY 26L, 26R, 27, 30: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

HOMESTEAD ARB:

RWY 6: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 24: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2200.

MIAMI EXEC:

RWY 9L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1300.

RWY 9R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1500.

RWY 13: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 27L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1900.

RWY 27R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1700.

RWY 31: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400.

MIAMI HOMESTEAD GENERAL AVIATION:

RWY 10: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2400.

RWY 18: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1800.

RWY 28: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1900.

RWY 36: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 2200.

MIAMI-OPA LOCKA EXEC:

RWY 27L, 30: STANDARD.

RWY 9L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1000.

RWY 9R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 700.

RWY 12, 27R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 600.



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**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

MIAMI INTL:

RWY 8L: 164 FT MSL TOWER 254832.18N/0801527.90W.

RWY 9: 1049 FT MSL BUILDING 254649.65N/0801106.99W.

RWY 12: 1049 MSL BUILDING 254542.37N/0801135.45W.

HOMESTEAD ARB:

RWY 6, 24: 1849 FT MSL TOWER 253223.94N/0802806.43W.

MIAMI EXEC:

RWY 9L, 9R, 13, 27L, 27R, 31: 1849 FT MSL TOWER 253223.94N/0802806.43W.

MIAMI HOMESTEAD GENERAL AVIATION:

RWY 10, 18, 28, 36: 1849 FT MSL TOWER 253223.94N/0802806.43W.

MIAMI-OPA LOCKA EXEC:

RWY 9L, 9R, 12, 27R: 1050 FT MSL ANTENNA 255730.91N/0801243.24W.

**MSA:**

KMIA: MSA FROM KMIA, 2900

KOPF: MSA FROM KOPF, 2900

KTMB: MSA FROM KTMB, 2900

KX51: MSA FROM KX51, 2900

KHST: MSA FROM KHST, 2900

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

MIAMI INTL - CHART: TOP ALTITUDE: 5000

HOMESTEAD ARB - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

MIAMI EXEC - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

MIAMI HOMESTEAD GENERAL AVIATION - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

MIAMI-OPA-LOCKA EXEC - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART: MINIMUM CROSSING ALTITUDE AT MRENO - AT OR ABOVE 5000.

DME/DME ASSESSMENT: SAT RNP 2.0.

AIRPORT MV: MIA 5W/2000, HST 6W/2015, TMB 6W/2010, X51 6W/2010, OPF 6W/2010

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KMIA	MIAMI	FL
KHST	HOMESTEAD	FL
KTMB	MIAMI	FL
KX51	HOMESTEAD	FL
KOPF	MIAMI	FL

QUALITY  
19  
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
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**COMMUNICATIONS:**

KMIA: CHART: ATIS, TOWER, GND CON, CLNC DEL, CPDLC.  
KTMB: CHART: ATIS/ASOS, CLNC DEL, GND CON, TOWER  
KOPF: CHART: ATIS/ASOS, CLNC DEL, GND CON, TOWER  
KHST: CHART: ATIS, CTAF, CLNC DEL, GND CON, TOWER  
KX51: CHART: AWOS, CTAF

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

CHART NOTE: (MIAMI INTL ONLY) SEE ADDITIONAL REQUIREMENTS ON AAUP.  
ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION).  
REQUIREMENTS WORKSHEET AND NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
ABBREVIATED AMENDMENT.

**FLIGHT INSPECTED BY****SIGNATURE**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE  
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

*Digitally signed by*  
**CASIMIR L TABAKA**

Jan 23, 2024

**OFFICE****DATE****DEVELOPED BY****SIGNATURE**

JOSEPH BLANCO

**Joseph Anthony Blanco**  
Digitally signed by Joseph Anthony Blanco  
Date: 2024.01.22 13:07:08 -06'00'

**OFFICE****DATE**

AJV-A432

01/20/2024

**APPROVED BY****SIGNATURE**

CASIMIR L. TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
Jan 23, 2024

**OFFICE****DATE**

AJV-A432

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMA, MIA ATCT, EASTERN FPT

**CHANGES - REASONS:**

1. KMIA: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "CROSS MRENO AT 5000" TO "AT OR ABOVE 5000" - ATC REQUEST.
2. KHST: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "OR AS ASSIGNED FOR RADAR VECTORS TO CROSS MRENO AT 5000..." TO "OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE..." - ATC REQUEST.
3. KTMB: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "OR AS ASSIGNED FOR RADAR VECTORS TO CROSS MRENO AT 5000, THENCE . ." TO "OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE..." - ATC REQUEST.
4. KX51: DP ROUTE DESCRIPTION: ALL RUNWAYS UPDATED FROM "AS ASSIGNED FOR RADAR VECTORS TO CROSS MRENO AT 5000, THENCE..." TO "OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE..." - ATC REQUEST.
5. KOPF: DP ROUTE DESCRIPTION: ALL RUNWAYS: UPDATED FROM "OR AS ASSIGNED FOR RADAR VECTORS TO CROSS MRENO AT 5000, THENCE.... TO "OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS MRENO AT OR ABOVE 5000. THENCE..." - ATC REQUEST.



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BNGOS	FOUR	BNGOS4.BNGOS	THREE	11/03/2022	<b>21 Mar 2024</b>

6. PROCEDURAL DATA NOTE: UPDATED FROM "ACCELERATE TO 250 KIAS, IF UNABLE, ADVISE ATC" TO "ACCELERATE TO 250 KIAS UNTIL LEAVING 10000, IF UNABLE, ADVISE ATC" - ATC REQUEST.

7. ADDED MSA INFORMATION -8260.46J.

8. TAKEOFF MINIMUMS: ALL AIRPORTS AND RUNWAYS: UPDATED ALL FROM "FT PER NM" TO "FT/MN" - 8260.46J.

9. ADDED MAGVAR INFORMATION FOR ALL ADDITIONAL AIRPORTS SERVED BY THIS PROCEDURE - IAW MEMO 283

10. UPDATED COMMUNICATIONS BLOCK TO DELETE DEP CON - IAW 8260.46J

11. UPDATED NOTE CHART MANDATORY 5000 AT MRENO TO CHART MINIMUM CROSSING ALTITUDE AT MRENO AT OR ABOVE 5000



**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>
BNGOS		FOUR		BNGOS4.BNGOS		THREE		11/03/2022	<b>21 Mar 2024</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>
RW08L (AER)	254810.43N/0801805.55W	N	-	-	-	-			
520 MSL	-	-	-	VA	087.38	-	AT/ABOVE 520		CG 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 215 FT/NM TO 1400.
CSALT	254823.36N/0800938.32W	Y	FB	DF	-	-			
DEALZ	255338.46N/0800926.38W	Y	FB	TF	001.96	05.24			
LIIVV	255917.91N/0801124.52W	Y	FB	TF	342.54	05.91			
NIBLT	260757.53N/0803526.06W	Y	FB	TF	291.84	23.30			
MRENO	262145.03N/0805537.06W	Y	FB	TF	307.23	22.77	AT/ABOVE 5000		
RW08R (AER)	254802.52N/0801805.16W	N	-	-	-	-			
520 MSL	-	-	-	VA	087.38	-	AT/ABOVE 520		CG 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 235 FT/NM TO 1400.
CSALT	254823.36N/0800938.32W	Y	FB	DF	-	-			
DEALZ	255338.46N/0800926.38W	Y	FB	TF	001.96	05.24			
LIIVV	255917.91N/0801124.52W	Y	FB	TF	342.54	05.91			
NIBLT	260757.53N/0803526.06W	Y	FB	TF	291.84	23.30			
MRENO	262145.03N/0805537.06W	Y	FB	TF	307.23	22.77	AT/ABOVE 5000		
RW09 (AER)*	254710.56N/0801838.57W*	N	-	-	-	-			*DISPL THLD (1358.0 FT)
-	254719.96N/0801450.89W	-	-	VI	087.37	03.43			CG 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 240 FT/NM TO 1400.
CSALT	254823.36N/0800938.32W	Y	FB	CF	077.39	04.82			
DEALZ	255338.46N/0800926.38W	Y	FB	TF	001.96	05.24			
LIIVV	255917.91N/0801124.52W	Y	FB	TF	342.54	05.91			



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BNGOS		FOUR		BNGOS4.BNGOS		THREE		11/03/2022	<b>21 Mar 2024</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>
NIBLT	260757.53N/0803526.06W	Y	FB	TF	291.84	23.30			
MRENO	262145.03N/0805537.06W	Y	FB	TF	307.23	22.77	AT/ABOVE 5000		
RW12 (AER)	254757.43N/0801808.24W	N	-	-	-	-			
-	254641.53N/0801539.87W	-	-	VI	119.46	02.56			CG 500 FT/NM TO 520, THEN MINIMUM CLIMB OF 230 FT/NM TO 1400.
CSALT	254823.36N/0800938.32W	Y	FB	CF	072.74	05.70			
DEALZ	255338.46N/0800926.38W	Y	FB	TF	001.96	05.24			
LIIVV	255917.91N/0801124.52W	Y	FB	TF	342.54	05.91			
NIBLT	260757.53N/0803526.06W	Y	FB	TF	291.84	23.30			
MRENO	262145.03N/0805537.06W	Y	FB	TF	307.23	22.77	AT/ABOVE 5000		
RW26L (AER)	254807.27N/0801610.33W	N	-	-	-	-			
-	254759.19N/0801925.35W	-	-	VI	267.39	02.94			CG 500 FT/NM TO 520.
KROCS	254828.48N/0802334.65W	Y	FB	CF	277.38	03.02			
RUSSS	255051.86N/0802642.60W	Y	FB	TF	310.14	03.70			
MRENO	262145.03N/0805537.06W	Y	FB	TF	319.91	40.32	AT/ABOVE 5000		
RW26R (AER)	254814.32N/0801631.55W	N	-	-	-	-			
-	254805.03N/0802015.54W	-	-	VI	267.39	03.37			CG 500 FT/NM TO 520.
KROCS	254828.48N/0802334.65W	Y	FB	CF	377.40	03.02			
RUSSS	255051.86N/0802642.60W	Y	FB	TF	310.14	03.70			
MRENO	262145.03N/0805537.06W	Y	FB	TF	319.91	40.32	AT/ABOVE 5000		





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BNGOS		FOUR		BNGOS4.BNGOS		THREE		11/03/2022	21 Mar 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW27 (AER)*	254715.72N/0801634.02W*	N	-	-	-	-			*DISPL THLD (261.0 FT)
-	254707.11N/0802001.47W	-	-	VI	267.39	03.12			CG 500 FT/NM TO 520.
KROCS	254828.48N/0802334.65W	Y	FB	CF	292.85	03.48			
RUSSS	255051.86N/0802642.60W	Y	FB	TF	310.14	03.70			
MRENO	262145.03N/0805537.06W	Y	FB	TF	319.91	40.32	AT/ABOVE 5000		
RW30 (AER)*	254716.43N/0801648.08W*	N	-	-	-	-			*DISPL THLD (945.0 FT)
520 MSL	-	-	-	VA	299.47	-	AT/ABOVE 520		CG 500 FT/NM TO 520.
WADLE	255119.27N/0802447.66W	Y	FB	DF	-	-			
MRENO	262145.03N/0805537.06W	Y	FB	TF	317.67	41.11	AT/ABOVE 5000		
MRENO	262145.03N/0805537.06W	Y	-	IF	-	-	AT/ABOVE 5000		
BNGOS	263043.52N/0810502.41W	Y	FB	TF	316.65	12.31			
BNGOS	263043.52N/0810502.41W	Y	-	IF	-	-			BNGOS4.DOLIE
COREA	263808.96N/0811252.29W	Y	FB	TF	316.54	10.20			
DOLIE	271708.21N/0815436.17W	Y	FB	TF	316.35	53.87			
BNGOS	263043.52N/0810502.41W	Y	-	IF	-	-			BNGOS4.COREA
COREA	263808.96N/0811252.29W	Y	FB	TF	316.54	10.20			
BNGOS	263043.52N/0810502.41W	Y	-	IF	-	-			BNGOS4.MERKS
MERKS	263001.29N/0811355.41W	Y	FB	TF	265.00	08.00			

