

NFDD No. 027

02/08/2024

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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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HAGOL (RNAV)	FIVE	HAGOL5.HAGOL	FOUR	12/10/2015	21 MAR 2024

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB ON HEADING 096.16 TO 1400, THEN DIRECT KINNG, THEN ON TRACK 008.20 TO HYANS, THEN ON TRACK 349.92 TO HAGOL, THENCE ...
TAKEOFF RWY 18L: CLIMB ON HEADING 186.21 TO INTERCEPT COURSE 171.00 TO LASNG, THEN ON TRACK 108.43 TO CODKO, THEN ON TRACK 042.97 TO JBETH, THEN ON TRACK 019.10 TO FOPAS, THEN ON TRACK 349.74 TO HYANS, THEN ON TRACK 349.92 TO HAGOL, THENCE ...
TAKEOFF RWY 18C: CLIMB ON HEADING 186.18 TO 1400, THEN DIRECT FLOEE, THEN ON TRACK 264.43 TO MIPIE, THEN ON TRACK 317.10 TO HERMM, THEN ON TRACK 007.38 TO AMMOT, THEN ON TRACK 036.22 TO HAGOL, THENCE ...
TAKEOFF RWY 18R: CLIMB ON HEADING 186.17 TO INTERCEPT COURSE 202.14 TO FANSA, THEN ON TRACK 261.32 TO MIPIE, THEN ON TRACK 317.10 TO HERMM, THEN ON TRACK 007.38 TO AMMOT, THEN ON TRACK 036.22 TO HAGOL, THENCE ...
TAKEOFF RWY 27: CLIMB ON HEADING 276.19 TO 1400, THEN DIRECT BONLE, THEN ON TRACK 359.57 TO MACOD, THEN ON TRACK 046.64 TO HAGOL, THENCE ...
TAKEOFF RWY 36L: CLIMB ON HEADING 006.17 TO INTERCEPT COURSE 327.32 TO CIGMA, THEN ON TRACK 017.39 TO DJOHN, THEN ON TRACK 020.41 TO HAGOL, THENCE ...
TAKEOFF RWY 36C: CLIMB ON HEADING 006.18 TO INTERCEPT COURSE 327.30 TO CIGMA, THEN ON TRACK 017.39 TO DJOHN, THEN ON TRACK 020.41 TO HAGOL, THENCE ...
TAKEOFF RWY 36R: CLIMB ON HEADING 006.21 TO 1400, THEN DIRECT HAGSS, THEN ON TRACK 011.69 TO HAGOL, THENCE ...

...TURBOJETS: MAINTAIN 5000, ALL OTHER AIRCRAFT: MAINTAIN 4000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
PLASH	HAGOL5.PLASH	HAGOL	PLASH	TRACK 024.66	28.31	17900	2600	
RINTE	HAGOL5.RINTE	HAGOL	PLASH	TRACK 024.66	28.31	17900	2600	
		PLASH	RINTE	TRACK 050.93	23.02	17900	2600	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT

PROCEDURAL DATA NOTES:

NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.
NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CINCINNATI CLNC DEL.
NOTE: INCREASE SPEED TO 250 KIAS UNTIL REACHING/LEAVING 10,000 FEET. IF UNABLE, ADVISE ATC.

TAKEOFF MINIMUMS:

RWY 9, 18L, 18R, 27, 36L, 36C, 36R: STANDARD
RWY 18C: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

FAA Form 8260-15B (03/23) Supersedes Previous Edition

Electronic Version

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QUALITY
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MSA:
MSA FROM KCVG 3000

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
AIRPORT MV: CVG (P) 6W/2020.
CHART TOP ALTITUDE: (JETS) 5000/(PROPS) 4000.
DME/DME ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KCVG	COVINGTON	KY

COMMUNICATIONS:
CHART: ATIS, TOWER, GND CON, CLNC DEL

FIXES AND/OR NAVAIDS:
BNGLE, JBNCH

REMARKS:
RWY 18C: CLIMB GRADIENT FOR DTA AT DF FIX.

FLIGHT INSPECTED BY		SIGNATURE	OFFICE	DATE	
JEFFREY A FINDLEY	Digitally signed by ERIC N SUSKI Feb 02, 2024		FPO	01/31/2024	
DEVELOPED BY		SIGNATURE	OFFICE	DATE	
ERIC SUSKI (COLE NESTBITT)	Digitally signed by ERIC N SUSKI Feb 02, 2024		AJV-A431	09/20/2023	
APPROVED BY		SIGNATURE	OFFICE	DATE	TITLE
ERIC SUSKI	Digitally signed by ERIC N SUSKI Feb 02, 2024		AJV-A430		MANAGER
REQUIRED EFFECTIVE DATE	Feb 02, 2024				
ROUTINE					

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZID, CVG APP CON, CVG ATCT, AMGR

CHANGES - REASONS:
1. DP ROUTE DESCRIPTION: RWY 9 TRANSITION CREATED. - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.
2. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): DQN ENROUTE TRANSITION DELETED. - REMOVAL OF GROUND-BASED NAVAIDS FROM PROCEDURE IAW DP GRAPHIC WORKSHEET.
3. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): ROD ENROUTE TRANSITION DELETED. - REMOVAL OF GROUND-BASED NAVAIDS FROM PROCEDURE IAW DP GRAPHIC WORKSHEET.
4. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): PLASH ENROUTE TRANSITION CREATED. - REMOVAL OF GROUND-BASED NAVAIDS FROM PROCEDURE IAW DP GRAPHIC WORKSHEET.
5. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): RINTEN ENROUTE TRANSITION CREATED. - REMOVAL OF GROUND-BASED NAVAIDS FROM PROCEDURE IAW DP GRAPHIC WORKSHEET.
6. DP COMPUTER CODE: CHANGED FROM HAGOL4.HAGOL TO HAGOL5.HAGOL - IAW 8260.46J.
7. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 18L FROM "TAKEOFF RWY 18L: CLIMB HEADING 184.21 TO INTERCEPT COURSE 168.37 TO CAMUM, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 18L: CLIMB ON HEADING 186.21 TO INTERCEPT COURSE 171.63 TO LASNG, THEN ON TRACK 108.43 TO CODKO, THEN ON TRACK 042.97/4.80 TO JBETH, THEN ON TRACK 019.10/5.29 TO FOPAS, THEN ON TRACK 349.74 TO HYANS, THEN ON TRACK 349.92 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HAGOL (RNAV)	FIVE	HAGOL5.HAGOL	FOUR	12/10/2015	21 MAR 2024
8. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 18C FROM "TAKEOFF RWY 18C: CLIMB HEADING 184.18 TO 1400, THEN DIRECT FLOEE, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 18C: CLIMB ON HEADING 186.18 TO 1400, THEN DIRECT FLOEE, THEN ON TRACK 264.43 TO MIPIE, THEN ON TRACK 317.10 TO HERMM, THEN ON TRACK 007.38 TO AMMOT, THEN ON TRACK 036.22 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
9. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 18R FROM "TAKEOFF RWY 18R: CLIMB HEADING 184.17 TO INTERCEPT COURSE 203.10 TO FANSA, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 18R: CLIMB ON HEADING 186.17 TO INTERCEPT COURSE 202.14 TO FANSA, THEN ON TRACK 261.32 TO MIPIE, THEN ON TRACK 317.10 TO HERMM, THEN ON TRACK 007.38 TO AMMOT, THEN ON TRACK 036.22 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
10. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 27 FROM "TAKEOFF RWY 27: CLIMB HEADING 274.19 TO 1400, THEN DIRECT BONLE, THEN RIGHT TURN DIRECT AMMOT, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 27: CLIMB ON HEADING 276.19 TO 1400, THEN DIRECT BONLE, THEN ON TRACK 359.57 TO MACOD, THEN ON TRACK 046.64 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
11. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 36R FROM "TAKEOFF RWY 36R: CLIMB HEADING 004.21 TO 1400, THEN DIRECT HAGSS, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 36R: CLIMB ON HEADING 006.21 TO 1400, THEN DIRECT HAGSS, THEN ON TRACK 011.69 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
12. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 36C FROM "TAKEOFF RWY 36C: CLIMB HEADING 004.18 TO INTERCEPT COURSE 325.30 TO CIGMA, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 36C: CLIMB ON HEADING 006.18 TO INTERCEPT COURSE 328.59 TO CIGMA, THEN ON TRACK 017.39 TO DJOHN, THEN ON TRACK 020.41 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
13. DP ROUTE DESCRIPTION: CHANGED TAKEOFF RWY 36L FROM "TAKEOFF RWY 36L: CLIMB HEADING 004.17 TO INTERCEPT COURSE 325.32 TO CIGMA, THEN ON DEPICTED ROUTE TO HAGOL, THENCE..." TO "TAKEOFF RWY 36L: CLIMB ON HEADING 006.17 TO INTERCEPT COURSE 333.24 TO CIGMA, THEN ON TRACK 017.39 TO DJOHN, THEN ON TRACK 020.41 TO HAGOL, THENCE ..." - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
14. DP ROUTE DESCRIPTION: CHANGE MAINTAIN ALTITUDE FOR TURBOJET AIRCRAFT FROM "6000" TO "5000" - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
15. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): TRANSITION COMPUTER CODE: FROM HAGOL4.DQN TO HAGOL5.PLASH - IAW 8260.46J					
16. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): TRANSITION COMPUTER CODE: FROM HAGOL4.ROD TO HAGOL5.RINTE - IAW 8260.46J.					
17. PBN REQUIREMENT NOTES: ADDED RNAV 1 - DME/DME/IRU OR GPS. - IAW 8260.46J.					
18. EQUIPMENT REQUIREMENT NOTES: ADDED "RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT." - IAW 8260.46J.					
19. PROCEDURAL DATA NOTES: REMOVED "DME/DME/IRU OR GPS REQUIRED", "RADAR REQUIRED." AND "RNAV 1." - NOTES MOVED TO NEW SECTION OF THIS FORM IAW 8260.46J.					
20. PROCEDURAL DATA NOTES: ADDED "NOTE: INCREASE SPEED TO 250 KIAS UNTIL REACHING/LEAVING 10,000 FEET. IF UNABLE, ADVISE ATC. - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
21. TAKEOFF MINIMUMS: CHANGE FROM "TAKEOFF MINIMUMS: RWY 9, NA-ATC. RWY 18L, 18C, 18R, 27, 36R, 36C, 36L, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400." TO "RWY 9, 18L, 18R, 27, 36L, 36C, 36R: STANDARD; RWY 18C: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400" - ADDED RWY 9 TRANSITION PER FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
22. ADDITIONAL FLIGHT DATA: CHANGED NOTE FROM "REFERENCE MAG VAR: KCVG 4W EPOC YEAR: 95." TO "AIRPORT MV: CVG 6W/2020." - IAW MEMO 283.					
23. ADDITIONAL FLIGHT DATA: REMOVED "CHART NOTE: ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC." - UPDATED AND MOVED TO PROCEDURAL NOTES.					
24. COMMUNICATIONS: CHANGED FROM "ATIS, TOWER, GND CON, CLNC DEL, DEP CON" TO "ATIS, TOWER, GND CON, CLNC DEL" - REMOVED DEP CON IAW 8260.46J.					
25. FIXES AND/OR NAVAIDS: REMOVED "ANTEO, CODKO, JBETH, FOPAS, ZUGLU, MIPIE, HERMM, DJOHN." - NO LONGER REQUIRED ALL FIXES ARE INCORPORATED IN DP ROUTE DESCRIPTION AND TRANSITION ROUTES IAW 8260.46J.					
26. REMARKS: ADDED "18C: CLIMB GRADIENT FOR DTA AT DF FIX." - IAW 8260.46J.					
27. TAKEOFF OBSTACLES NOTES: REMOVED AND REPLACED WITH "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)." - IAW 8260.46J					
28. FIXES AND/OR NAVAIDS: REMOVED "ANTEO, ZUGLU" - FPT/ATC REQUEST AND GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					
29. ADDITIONAL FLIGHT DATA: CHANGED TOP ALTITUDE FROM "(JETS) 6000/(PROPS) 4000" TO "(JETS) 5000/(PROPS) 4000" - CHANGE IN JETS ALTITUDE TO MAINTAIN SEPARATION FROM RNP-AR APPROACHES IAW GRAPHIC DP WORKSHEET AND DISTRO PACKAGE.					

12/12/2023: THIS IS AN UPDATED COPY FOR THE FORM DEVELOPED ON 09/20/2023:

1. DP ROUTE DESCRIPTION: CHANGED FROM "TAKEOFF RWY 18L: CLIMB ON HEADING 186.21 TO INTERCEPT COURSE 171.63 TO LASNG," TO "TAKEOFF RWY 18L: CLIMB ON HEADING 186.21 TO INTERCEPT COURSE 171.00 TO LASNG,"
2. DP ROUTE DESCRIPTION: CHANGED FROM "TAKEOFF RWY 36L: CLIMB ON HEADING 006.17 TO INTERCEPT COURSE 333.24 TO CIGMA," TO "TAKEOFF RWY 36L: CLIMB ON HEADING 006.17 TO INTERCEPT COURSE 327.32 TO CIGMA,"
3. DP ROUTE DESCRIPTION: CHANGED FROM "TAKEOFF RWY 36C: CLIMB ON HEADING 006.18 TO INTERCEPT COURSE 328.59 TO CIGMA," TO "TAKEOFF RWY 36C: CLIMB ON HEADING 006.18 TO INTERCEPT COURSE 327.30 TO CIGMA,"



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
HAGOL (RNAV)		FIVE		HAGOL5.HAGOL		FOUR		12/10/2015	21 MAR 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW09 (AER)	390246.90N/0844142.35W	N	-	-	-	-			
1400 MSL	-	-	-	VA	090.16	-	AT/ABOVE 1400		
KINNG	390244.65N/0842906.14W	Y	FB	DF	-	-			
HYANS	391502.55N/0842829.69W	Y	FB	TF	002.20	12.30			
HAGOL	393409.51N/0843536.78W	Y	FB	TF	343.92	19.88			
RW18L (AER)	390321.08N/0843848.00W	N	-	-	-	-			
-	390033.64N/0843848.78W	-	-	VI	180.21	2.79			
LASNG	385725.17N/0843744.05W	Y	FB	CF	165.00	3.25			
CODKO	385604.95N/0842959.38W	Y	FB	TF	102.43	6.19			
JBETH	385954.99N/0842617.41W	Y	FB	TF	036.97	4.80			
FOPAS	390504.20N/0842445.09W	Y	FB	TF	031.10	5.29			
HYANS	391502.55N/0842829.69W	Y	FB	TF	343.74	10.38			
HAGOL	393409.51N/0843536.78W	Y	FB	TF	343.92	19.88			
RW18C (AER)	390353.07N/0844007.02W	N	-	-	-	-			
1400 MSL	-	-	-	VA	180.18	-	AT/ABOVE 1400		CG 500 FT/NM TO 1400
FLOEE	385724.12N/0844008.60W	Y	FB	DF	-	-			
MIPIE	385600.61N/0844848.81W	Y	FB	TF	258.43	6.91			
HERMM	385844.92N/0845250.25W	Y	FB	TF	311.10	4.16			
AMMOT	391149.88N/0845226.01W	Y	FB	TF	001.38	13.07			
HAGOL	393409.51N/0843536.78W	Y	FB	TF	030.22	25.84			

QUALITY
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<u>DP NAME</u>							<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HAGOL (RNAV)							FIVE	HAGOL5.HAGOL	FOUR	12/10/2015	21 MAR 2024
<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>		
RW18R (AER)	390415.17N/0844101.46W	N	-	-	-	-					
-	390153.24N/0844102.00W	-	-	VI	180.17	2.36					
FANSA	385715.14N/0844245.21W	Y	FB	CF	196.14	4.82					
MIPIE	385600.61N/0844848.81W	Y	FB	TF	255.32	4.89					
HERMM	385844.92N/0845250.25W	Y	FB	TF	311.10	4.16					
AMMOT	391149.88N/0845226.01W	Y	FB	TF	001.38	13.07					
HAGOL	393409.51N/0843536.78W	Y	FB	TF	030.22	25.84					
RW27 (AER)	390246.54N/0843910.24W	N	-	-	-	-					
1400 MSL	-	-	-	VA	270.19	-	AT/ABOVE 1400				
BONLE	390245.57N/0845135.55W	Y	FO	DF	-	-					
MACOD	391748.47N/0845346.42W	Y	FB	TF	353.57	15.13					
HAGOL	393409.51N/0843536.78W	Y	FB	TF	040.64	21.56					
RW36L (AER)	390256.10N/0844101.76W	N	-	-	-	-					
-	390558.71N/0844101.06W	-	-	VI	000.17	3.04					
CIGMA	390842.01N/0844348.81W	Y	FB	CF	321.32	3.48					
DJOHN	391207.47N/0844255.60W	Y	FB	TF	011.39	3.49					
HAGOL	393409.51N/0843536.78W	Y	FB	TF	014.41	22.73					
RW36C (AER)	390204.36N/0844007.47W	N	-	-	-	-					
-	390505.91N/0844006.72W	-	-	VI	000.18	3.02					
CIGMA	390842.01N/0844348.81W	Y	FB	CF	321.30	4.61					



DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
HAGOL (RNAV)		FIVE					HAGOL5.HAGOL		FOUR		12/10/2015		21 MAR 2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS					
DJOHN	391207.47N/0844255.60W	Y	FB	TF	011.39	3.49								
HAGOL	393409.51N/0843536.78W	Y	FB	TF	014.41	22.73								
RW36R (AER)	390142.24N/0843848.46W	N	-	-	-	-								
1400 MSL	-	-	-	VA	000.21	-	AT/ABOVE 1400							
HAGSS	390924.37N/0843847.85W	Y	FB	DF	-	-								
HAGOL	393409.51N/0843536.78W	Y	FB	TF	005.69	24.85								
HAGOL	393409.51N/0843536.78W	Y	-	IF	-	-			HAGOL5.PLASH					
PLASH	400059.27N/0842349.47W	Y	FB	TF	018.66	28.31								
HAGOL	393409.51N/0843536.78W	Y	-	IF	-	-			HAGOL5.RINTE					
PLASH	400059.27N/0842349.47W	Y	FB	TF	018.66	28.31								
RINTE	401716.11N/0840234.51W	Y	FB	TF	044.93	23.02								