

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
PARCH (RNAV)	FOUR	PARCH.PARCH4	THREE	07/19/2018	17 APR 2025

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
KENNEBUNK	ENE.PARCH4	ENE VOR/DME	ENE VOR/DME						
			ASPEN	212.80	38.85	7000	2500		
			PVD VOR/DME	212.59	69.42	4000	2500		
			TRAIT	233.00	34.34	3000	2100		
PLYMM	PLYMM.PARCH4	PLYMM	PARCH	232.68	14.43	3000	1400		
			PVD VOR/DME	260.25	48.85	4000	2100		
			TRAIT	233.00	34.34	3000	2100		
PROVIDENCE	PVD.PARCH4	PVD VOR/DME	PARCH	232.68	14.43	3000	1400		
			TRAIT	233.00	34.34	3000	2100		
			PARCH	232.68	14.43	3000	1400		
SANDY POINT	SEY.PARCH4	SEY VOR/DME	SEY VOR/DME						
			PARCH	273.77	25.03	3000	1700		

ARRIVAL ROUTE DESCRIPTION:

JFK: FROM PARCH ON TRACK 264.95/32.44 TO CCC VOR/DME, THEN ON TRACK 229.11/18.10 TO ROBER.

LANDING JFK RWY 22L/R: FROM ROBER ON TRACK 283.47/14.19 TO CRAIL, THEN ON TRACK THEN ON TRACK 283.47. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING JFK RWY 4L/R, 13L/R, 31L/R: FROM ROBER ON TRACK 277.90/33.88 TO JFK VOR/DME, THEN ON HEADING 277.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING FRG: FROM PARCH ON TRACK 264.95/32.44 TO CCC VOR/DME, THEN ON TRACK 229.11/18.10 TO ROBER, THEN ON TRACK 283.47/5.00 TO KMANN, THEN ON TRACK 283.47. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

NOTE: PVD TRANSITION - ATC ASSIGNED ONLY.

NOTE: USE CAUTION - PARACHUTE JUMP ACTIVITY SOUTHEAST OF CCC VOR/DME AOB 14500 FT(SR-SS).

NOTE: EXPECT TO CROSS TRAIT AT FL240.

NOTE: EXPECT TO CROSS CALVERTON VOR/DME AT 12000 AND AT 250 KIAS.

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PARCH (RNAV)	FOUR	PARCH.PARCH4	THREE	07/19/2018	17 APR 2025

FIXES AND/OR HOLDING PATTERNS:

- CHART HOLDING AT CCC VOR/DME: HOLD E, LT, 264.00 INBOUND, 10 NM LEGS.
- CHART HOLDING AT ENE VOR/DME: HOLD NE, LT, 223.00 INBOUND, 16 NM LEGS.
- CHART HOLDING AT FRILL: HOLD E, LT, 260.00 INBOUND, 10 NM LEGS.
- CHART HOLDING AT PVD VOR/DME: HOLD NE, RT, 236.00 INBOUND, 7 NM LEGS.
- CHART HOLDING AT SHANK: HOLD E, RT, 260.00 INBOUND, 12 NM LEGS.
- CHART HOLDING AT TRAIT: HOLD NE, RT, 232.68 INBOUND, 10 NM LEGS.
- CHART FIX: ALLEX, EBONY, BRADD, DOVEY, KANNI, SAILE, TAFFY, TOPPS, TUSKY, WHALE, VITOL.

COMMUNICATIONS:

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
JFK	NEW YORK	NY
FRG	FARMINGDALE	NY

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

- CHARTING: INPUT EXPECT NOTES NEXT TO TRAIT AND CCC VOR/DME IN GRAPHIC VIEW.
- HOLDING OVER OPEN WATER IN THE ATLANTIC ASSUME 295 SHIP HEIGHT.
- THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
- LOWEST ASSIGNED ATC ALTITUDE AT CRAIL, 2000.
- LOWEST ASSIGNED ATC ALTITUDE AT JFK VOR/DME, 2000.
- LOWEST ASSIGNED ATC ALTITUDE AT KMANN, 2000.

ADDITIONAL FLIGHT DATA:

- DME/DME ASSESSMENT: SAT (RNP 2.0)
- MAG VAR: JFK 13W/2020.
- CHART AT CRAIL TERMINUS: JFK LDG RWY 22L/R.
- CHART AT JFK VOR/DME TERMINUS: JFK LDG RWY 4L/R, 13L/R, 31L/R.
- CHART AT KMANN TERMINUS: LDG FRG.



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
PARCH (RNAV)	FOUR	PARCH.PARCH4	THREE	07/19/2018	17 APR 2025
				<i>Digitally signed by</i>	
FLIGHT INSPECTED BY:	ORGANIZATION:	DATE:	Flight Inspected Signature:	DAVID DANNER	
JEREMY R VIRTS	AJF	02/11/2025		Feb 13, 2025	
				<i>Digitally signed by</i>	
DEVELOPED BY:			Developed By Signature:	DAVID DANNER	
TRAVIS BRISTOW	AJV-A421	09/12/2024		Feb 13, 2025	
				<i>Digitally signed by</i>	
APPROVED BY:			Approved By Signature:	DAVID DANNER	
DAVID DANNER	AJV-A421	02/20/2025		Feb 13, 2025	

CHANGES:

1. TRANSITION ROUTES: CHANGED ENE VOR/DME TO ASPEN MEA/MOCA FROM "17000/2000" TO "7000/2500".
2. TRANSITION ROUTES: CHANGED ASPEN TO PVD VOR/DME MEA FROM "17000" TO "4000".
3. TRANSITION ROUTES: CHANGED PLYMM TO PVD VOR/DME MEA/MOCA FROM "17000/1800" TO "4000/2100".
4. TRANSITION ROUTES: CHANGED SEY VOR/DME TO PARCH MOCA FROM "1500" TO "1700".
5. TRANSITION ROUTES: ADDED PVD VOR/DME ENROUTE TRANSITION.
6. ARRIVAL ROUTE DESCRIPTIONS: CHANGED "LDG RWY 22R/L: FROM ROBER VIA 283.47 TRACK CRAIL (MEA 1700), THEN VIA 301.72 TRACK TO CAPIT (MEA 1700) EXPECT RADAR VECTORS TO FINAL APPROACH COURSE" TO "LANDING JFK RWY 22L/R: FROM ROBER ON TRACK 283.47/14.19 TO CRAIL, THEN ON TRACK THEN ON TRACK 283.47. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE".
7. ARRIVAL ROUTE DESCRIPTIONS: CHANGED "LDG REPUBLIC (KFRG) AIRPORT: APPROACHING ROBER EXPECT RADAR VECTORS TO FINAL APPROACH COURSE" TO "LANDING FRG: FROM PARCH ON TRACK 264.95/32.44 TO CCC VOR/DME, THEN ON TRACK 229.11/18.10 TO ROBER, THEN ON TRACK 283.47/5.00 TO KMANN, THEN ON TRACK 283.47. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE".
8. PROCEDURAL DATA NOTES: REMOVED "RADAR REQUIRED".
9. PROCEDURAL DATA NOTES: REMOVED "RNAV 1".
10. PROCEDURAL DATA NOTES: CHANGED FROM "USE CAUTION - PARACHUTE JUMP ACTIVITY SOUTHEAST OF CCC VOR/DME AT AND BELOW 13500 FT (SR-SS)" TO "USE CAUTION - PARACHUTE JUMP ACTIVITY SOUTHEAST OF CCC VOR/DME AOB 14500 FT (SR-SS)".
11. PROCEDURAL DATA NOTES: ADDED CHART NOTE "PVD TRANSITION - ATC ASSIGNED ONLY".
12. PROCEDURAL DATA NOTES: CHANGED FROM "PROCEDURE APPLICABLE TO TURBOJET AIRCRAFT ONLY" TO "JET AIRCRAFT ONLY".
13. PROCEDURAL DATA NOTES: REMOVED "DME/DME/IRU OR GPS REQUIRED".
14. PROCEDURAL DATA NOTES: REMOVED "EXPECT CLEARANCE TO CROSS ROBER AT 9000 FT".
15. FIX AND/OR HOLDING PATTERNS: AMENDED CCC HOLDING PATTERN LEG LENGTH FROM "4" TO "10" NM.
16. FIX AND/OR HOLDING PATTERNS: AMENDED TRAIT HOLDING PATTERN LEG LENGTH FROM "5" TO "10" NM.
17. ADDITIONAL FLIGHT DATA: ADDED "CHART AT CRAIL TERMINUS: JFK LDG RWY 22L/R".
18. ADDITIONAL FLIGHT DATA: ADDED "CHART AT JFK VOR/DME TERMINUS: JFK LDG RWY 4L/R, 13L/R, 31L/R".
19. ADDITIONAL FLIGHT DATA: ADDED "CHART AT KMANN TERMINUS: LDG FRG".
20. AIRPORTS SERVED: CHANGED FROM "JOHN F KENNEDY INTL" TO "JFK".
21. AIRPORTS SERVED: CHANGED FROM "REPUBLIC" TO "FRG".
22. COMMUNICATIONS: REMOVED BOSTON CENTER FROM 8260-17.1 FORM.
23. ARRIVAL ROUTE DESCRIPTION: CHANGED "LDG RWY 4R/L, RWY 13R/L, RWY 31R/L: FROM ROBER VIA 277.90 TRACK TO JFK VOR/DME (MEA 1500), EXPECT RADAR VECTORS TO FINAL APPROACH COURSE" TO "LANDING JFK RWY 4L/R, 13L/R, 31L/R: FROM ROBER ON TRACK 277.90/33.88 TO JFK VOR/DME, THEN ON HEADING 277.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE".



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PARCH (RNAV)	FOUR	PARCH.PARCH4	THREE	07/19/2018	17 APR 2025
24. ARRIVAL ROUTE DESCRIPTION: CHANGED "FROM PARCH VIA 264.95 TRACK TO CCC VOR/DME (MEA 2300), THEN VIA 229.11 TRACK TO ROBER (MEA 1900). THENCE..." TO "JFK: FROM PARCH ON TRACK 264.95/32.44 TO CCC VOR/DME, THEN ON TRACK 229.11/18.10 TO ROBER".					
25. PBN REQUIREMENT NOTES: ADDED "RNAV 1 - DME/DME/IRU OR GPS".					
26. EQUIPMENT REQUIREMENT NOTES: ADDED "RADAR REQUIRED".					
27. REMARKS: ADDED LOWEST ASSIGNED ALTITUDE DATA FOR KMANN, CRAIL, AND JFK VOR/DME.					
28. REMARKS: ADDED "HOLDING OVER OPEN WATERS IN THE ATLANTIC ASSUME 295 SHIP HEIGHT".					
29. REMARKS: ADDED "CHARTING: INPUT EXPECT NOTES NEXT TO TRAIT AND CCC VOR/DME IN GRAPHICS VIEW".					
30. PROCEDURAL DATA NOTES: CHANGED "EXPECT CLEARANCE TO CROSS TRAIT AT FL240" TO "NOTES: EXPECT TO CROSS TRAIT AT FL240".					
31. PROCEDURAL DATA NOTES: CHANGED "EXPECT CLEARANCE TO CROSS CCC VOR/DME AT 12000 AND 250 KIAS" TO "NOTE: EXPECT TO CROSS CALVERTON VOR/DME AT 12000 AND AT 250 KIAS".					
32. REMOVED FIX ERICK FROM STAR.					

REASONS:

- 1-4. MEA'S CHANGED PER UPDATED DME ASSESMENT AND MOCA VALUES CHANGED PER NEW OBST ANALYSIS.
5. ATC REQUEST.
6. ATC REQUEST FIX CAPIT BE REMOVED FROM PROCEDURE AND REPLACED WITH FIX CRAIL.
7. ATC REQUEST TO ADD FIX KMANN TO ALLOW FOR EFFICIENT ROUTE DESCRIPTION.
- 8-9. NOTE REMOVED FROM PROCEDURAL DATA NOTES SECTION AND ADDED IN APPROPRIATE BLOCK PER CHART NOTE CRITERIA.
10. ATC REQUEST HIGHER PARACHUTE JUMP ZONE ALTITUDE.
11. PER CHART NOTE CRITERIA 8260.19J 4-5-12(D)(3).
12. ATC REQUEST FOR JET AIRCRAFT ONLY AND CHARTED PER CRITERIA 8260.19J 4-5-12 (D)(3)(A).
13. NOTE REMOVED FROM PROCEDURAL DATA NOTES SECTION AND ADDED IN APPROPRIATE BLOCK PER CHART NOTE CRITERIA.
14. ATC REQUEST TO REMOVE EXPECTED ALTITUDE FROM FIX ROBER.
- 15-16. ATC REQUEST LONGER HOLDING PATTERN LEG LENGTH.
- 17-19. PER CRITERIA CHART TERMINUS POINTS 8260.19J 4-5-1(H)(2).
- 20-21. PER CHART NOTE CRITERIA TO PROPERLY DISPLAY AIRPORT IDENTIFIERS 8260.19J 4-5-12(G).
22. MATCH PARCH 3 COMMUNICATION DATA.
- 23-24. REMOVED MEA VALUES FROM ARRIVAL DESCRIPTION.
- 25-26. PER CHART NOTE CRITERIA 8260.19J 4-5-12(D)(2)(B).
27. IAW AFS MEMO DATED 08/11/2023.
28. TO ACCOUNT FOR LARGER SHIPS IN THE ATLANTIC OCEAN.
29. CHARTING REQUESTED BY ATC.
- 30-31. ATC REQUEST TO MAINTAIN EXPECT NOTES PER WAIVER; REMOVE THE WORD "CLEARANCE".
32. ATC REQUEST.

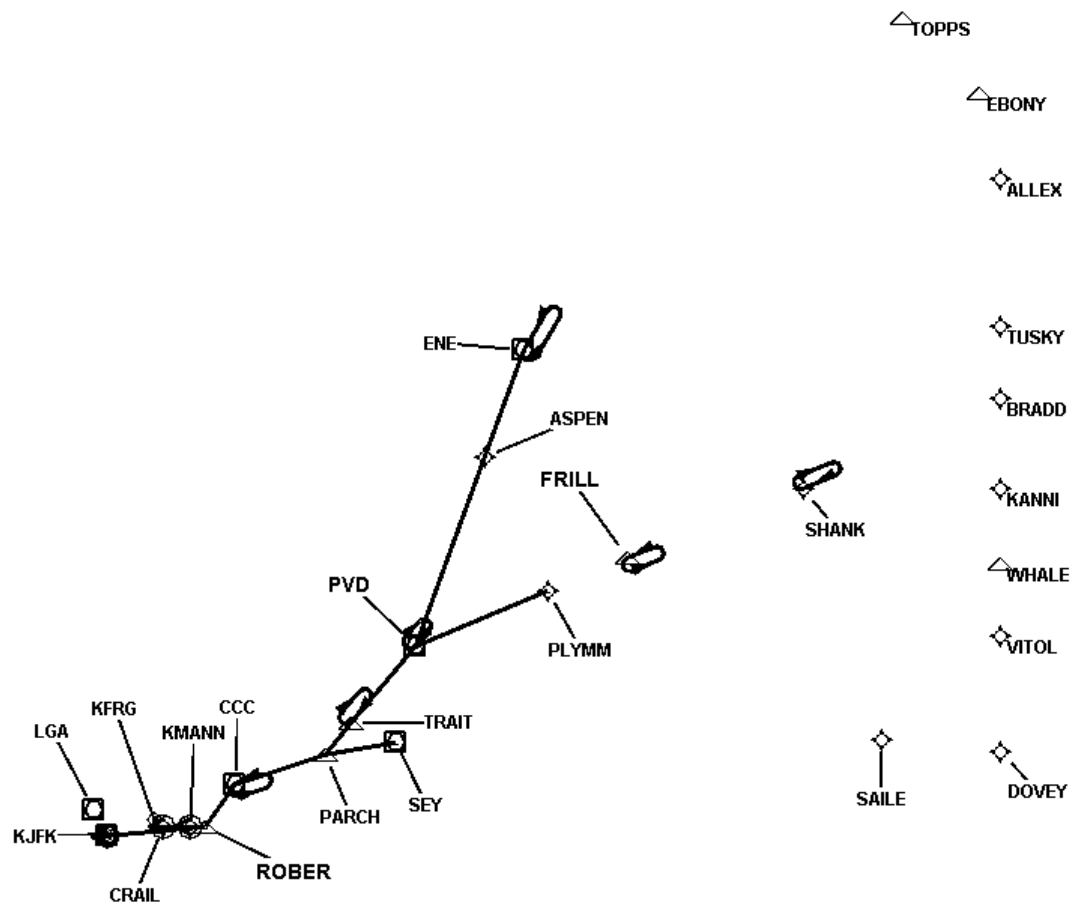


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Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name PARCH (RNAV)	Number FOUR	STAR Computer Code PARCH.PARCH4		Superseded Number THREE	Dated 07/19/2018	Effective Date 17 APR 2025			
<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>
En Route Transition									
ENE VOR/DME	432532.42N / 0703648.69W	Y		IF					ENE.PARCH4
ASPEN	424857.55N / 0705441.39W	Y	FB	TF	199.80	38.85			
PVD VOR/DME	414327.63N / 0712546.71W	Y	FB	TF	199.59	69.42			
TRAIT	411704.75N / 0715503.35W	Y	FB	TF	220.00	34.34			
PARCH	410557.22N / 0720714.66W	Y	FB	TF	219.68	14.43			
En Route Transition									
PLYMM	420237.49N / 0702536.89W	Y		IF					PLYMM.PARCH4
PVD VOR/DME	414327.63N / 0712546.71W	Y	FB	TF	247.25	48.85			
TRAIT	411704.75N / 0715503.35W	Y	FB	TF	220.00	34.34			
PARCH	410557.22N / 0720714.66W	Y	FB	TF	219.68	14.43			
En Route Transition									
PVD VOR/DME	414327.63N / 0712546.71W	Y		IF					PVD.PARCH4
TRAIT	411704.75N / 0715503.35W	Y	FB	TF	220.00	34.34			
PARCH	410557.22N / 0720714.66W	Y	FB	TF	219.68	14.43			
En Route Transition									
SEY VOR/DME	411002.77N / 0713433.91W	Y		IF					SEY.PARCH4
PARCH	410557.22N / 0720714.66W	Y	FB	TF	260.77	25.03			
Common Route									
PARCH	410557.22N / 0720714.66W	Y		IF					PARCH.PARCH4
CCC VOR/DME	405546.63N / 0724755.89W	Y	FB	TF	251.95	32.44			
ROBER	404107.67N / 0730157.40W	Y	FB	TF	216.11	18.10			
Common Route									
PARCH	410557.22N / 0720714.66W	Y		IF					PARCH.PARCH4
CCC VOR/DME	405546.63N / 0724755.89W	Y	FB	TF	251.95	32.44			

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 STAR (DATA RECORD)

Arrival Name PARCH (RNAV)	Number FOUR	STAR Computer Code PARCH.PARCH4		Superseded Number THREE	Dated 07/19/2018	Effective Date 17 APR 2025			
<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>
ROBER	404107.67N / 0730157.40W	Y	FB	TF	216.11	18.10			
KMANN	404109.92N / 0730831.74W	Y	FO	TF	270.47	05.00			
KFRG				FM	270.47				
Runway Transition									
ROBER	404107.67N / 0730157.40W	Y		IF					
JFK VOR/DME	403758.38N / 0734617.01W	Y	FO	TF	264.90	33.88			
KJFK:RWY 4L,RWY 4R,RWY 13L,RWY 13R,RWY 31L,RWY 31R				VM	264.90				
Runway Transition									
ROBER	404107.67N / 0730157.40W	Y		IF					
CRAIL	404113.08N / 0732036.28W	Y	FO	TF	270.47	14.19			
KJFK:RWY 22L,RWY 22R				FM	270.47				

