

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.  
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name WAVUN (RNAV)	Number FOUR	STAR Computer Code WAVUN.WAVUN4	Superseded Number THREE	Dated 22 JUN 2017	Effective Date 08 NOV 2018				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
URSUS	URSUS.WAVUN4	URSUS	URSUS						
		URSUS	ZOLLA	359.18	14.64	FL200			
		ZOLLA	FOWEE	359.18	41.81	FL200			
		FOWEE	SKIPS	359.13	37.16	16000			
		SKIPS	ZBV VORTAC	359.10	09.05	11000			
FREEPORT	ZFP.WAVUN4	ZFP VOR/DME	ZFP VOR/DME						
		ZFP VOR/DME	MAYKO	218.45	25.00	16000			
		MAYKO	BAHMA	218.36	18.50	12000			
		BAHMA	ZBV VORTAC	218.24	16.75	11000			
NASSAU	ZQA.WAVUN4	ZQA VOR/DME	ZQA VOR/DME						
		ZQA VOR/DME	MAJUR	315.00	29.00	FL220			
		MAJUR	CAREY	314.82	25.69	FL220			
		CAREY	ZBV VORTAC	282.46	58.06	11000			

ARRIVAL ROUTE DESCRIPTION:

FROM ZBV VORTAC ON TRACK 301.71/9.07 TO WIERS (MEA 9000), THEN ON TRACK 301.65/11.17 TO DEKAL (MEA 6000), THEN ON TRACK 301.44/6.08 TO WAVUN (MEA 4000), THEN ON TRACK 301.26/13.13 TO KEVEY (MEA 4000), THEN ON TRACK 277.52/28.18 TO FRRDY (MEA 4000), THEN ON HEADING 277.52 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: NASSAU TRANSITION; ATC ASSIGNED ONLY

NOTE: URSUS TRANSITION; ATC ASSIGNED ONLY

NOTE: FREEPORT TRANSITION; ATC ASSIGNED ONLY

NOTE: TURBOJETS EXPECT TO CROSS DEKAL AT 6000. ATC MAY ASSIGN 5000 AND 250 KTS ALL OTHER AIRCRAFT EXPECT 4000.

NOTE: LANDING FORT LAUDERDALE/HOLLYWOOD INTL WEST: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO KEVEY.

NOTE: LANDING FORT LAUDERDALE/HOLLYWOOD INTL EAST: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO FRRDY.

NOTE: LANDING FORT LAUDERDALE EXECUTIVE, POMPANO BEACH AIRPARK: EXPECT RADAR VECTORS AFTER DEKAL.

NOTE: LANDING HOLLYWOOD NORTH PERRY, MIAMI-OPA LOCKA EXECUTIVE: EXPECT RADAR VECTORS AFTER WAVUN.

QUALITY  
13  
CHECKED

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>WAVUN (RNAV)</b>	<b>FOUR</b>	<b>WAVUN.WAVUN4</b>	<b>THREE</b>	<b>22 JUN 2017</b>	<i>08 NOV 2018</i>

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CAREY: HOLD NE, RT, 314.82 INBOUND, 8 NM LEGS.  
CHART HOLDING AT ZBV: HOLD NE, RT, 301.71 INBOUND, 8 NM LEGS.  
CHART HOLDING AT DEKAL: HOLD SW, LT, 301.65 INBOUND, 5 NM LEGS.

COMMUNICATIONS:

MIAMI APPROACH CONTROL: (5000' AND ABOVE) 119.45/290.325.  
MIAMI APPROACH CONTROL: (4000' AND BELOW) 128.60/306.475.  
FORT LAUDERDALE/HOLLYWOOD INTL ATIS, FORT LAUDERDALE EXECUTIVE ATIS, POMPANO BEACH AIRPARK ATIS, NORTH PERRY ATIS, MIAMI-OPA LOCKA EXECUTIVE ATIS.

AIRPORTS SERVED:

FORT LAUDERDALE/HOLLYWOOD INTL, FORT LAUDERDALE, FL. (KFLI)  
FORT LAUDERDALE EXECUTIVE, FORT LAUDERDALE, FL. (KFYE)  
POMPANO BEACH AIRPARK, POMPANO BEACH, FL. (KPMP)  
MIAMI-OPA LOCKA EXECUTIVE, MIAMI, FL. (KOPF)  
NORTH PERRY, HOLLYWOOD, FL. (KHWO)

LOST COMMUNICATIONS PROCEDURE:REMARKS:

ABBREVIATED AMENDMENT, WAVUN FOUR DOESN'T SATISFY PERIODIC REVIEW REQUIREMENTS.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)  
REFERENCE MAGNETIC VARIATION = KFLI 06W/2015

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

Name

Organization

Date

Digitally signed by

**JACOB POWERS**

Jul 09, 2018

Signature

DEVELOPED BY:

J MCMILLAN

Operations Support Specialist, ZMA-7D

06/13/2018

Name

Organization

Date

Digitally signed by

**JACOB POWERS**

Jul 09, 2018

Signature

APPROVED BY:

MARLON ROBINSON

AJV-544

Name

Organization

Date

Digitally signed by

**JACOB POWERS**

Jul 09, 2018

Signature

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CHANGES:

1. ZQA TRANSITION; ADDED; ATC ASSIGNED ONLY
2. URSUS TRANSITION; ADDED; ATC ASSIGNED ONLY
3. ZFP TRANSITION; ADDED; ATC ASSIGNED ONLY

REASONS:

- 1-3: ATC REQUEST



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name WAVUN (RNAV)	Number FOUR	STAR Computer Code WAVUN.WAVUN4	Superseded Number THREE	Dated 22 JUN 2017	Effective Date 08 NOV 2018				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
URSUS	240000.19N / 0790411.28W	Y		IF					URSUS.WAVUN4
ZOLLA	241434.93N / 0790605.32W	Y	FB	TF	353.18	14.64			
FOWEE	245613.41N / 0791132.85W	Y	FB	TF	353.18	41.81			
SKIPS	253314.01N / 0791627.72W	Y	FB	TF	353.13	37.16			
ZBV VORTAC	254215.00N / 0791740.00W	Y	FB	TF	353.10	09.05			
En Route Transition									
ZFP VOR/DME	263319.25N / 0784152.25W	Y		IF					ZFP.WAVUN4
MAYKO	261208.76N / 0785647.33W	Y	FB	TF	212.45	25.00			
BAHMA	255628.02N / 0790746.31W	Y	FB	TF	212.36	18.50			
ZBV VORTAC	254215.00N / 0791740.00W	Y	FB	TF	212.24	16.75			
En Route Transition									
ZQA VOR/DME	250131.86N / 0772647.14W	Y		IF					ZQA.WAVUN4
MAJUR	251948.20N / 0775139.61W	Y	FB	TF	309.00	29.00			
CAREY	253555.81N / 0781347.91W	Y	FB	TF	308.82	25.69			
ZBV VORTAC	254215.00N / 0791740.00W	Y	FB	TF	276.46	58.06			
Common Route									
ZBV VORTAC	254215.00N / 0791740.00W	Y		IF					ZBV.WAVUN4
WIERS	254611.57N / 0792643.31W	Y	FB	TF	295.71	09.07			
DEKAL	255102.02N / 0793752.89W	Y	FB	TF	295.65	11.17			
WAVUN	255339.00N / 0794358.00W	Y	FB	TF	295.44	06.08			
KEVEY	255915.59N / 0795708.68W	Y	FB	TF	295.26	13.13			
FRRDY	255957.26N / 0802824.83W	Y	FO	TF	271.52	28.18			
KFLL, KFXE, KPMP, KOPF, KHWO				VM	271.52				

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