Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	STAR	05/04/2010	2008041414764733032	20080414147647

Procedure: STAR BLUFI TWO FORT LAUDERDALE FL KFLL

Airport ID:	Airport:	Reimbursable #:
KFLL	FORT LAUDERDALE/HOLLYWOOD INTL	

City: FORT LAUDERDALE **ST:** FL

GPS #:

Estimated Chart Date: 09/20/2012

FICO #: 1088398

Fac ID: **Fac. Type:** Proc TR

Specialist: SEAN BARBEE

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/13/2012	06/07/2012	DONALD SMITH	
QA:	06/07/2012	06/07/2012	STEVEN SZUKALA	
Liaison:	06/07/2012		Spanlin	REPLACEMENT 7100-4

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

Pkg 2 of 3

FORT LAUDERDALE, FL FOR LAUDERDALE/HOLLYWOOD INTL (KFLL) BLUFI TWO (STAR) ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: 7100-4; 7100-3; 8260-2(S): BLUFI-INT, REV 12; DALOO-INT, REV 1; FREEPORT (ZFP) VDME, REV 6; HEATT-INT, REV 15; KAINS-INT, REV 4; LEBUR-INT, REV 1; MELBOURNE (MLB) VDME, REV 11; PALM BEACH (PBI) VTAC, REV 11; TOPPR-INT, REV 1; TREASURE (TRV) VTAC, REV 16; VIRGINIA KEY (VKZ) VDME, REV 7; (INFO ONLY) DOLPHIN (DHP) VTAC, REV 5.

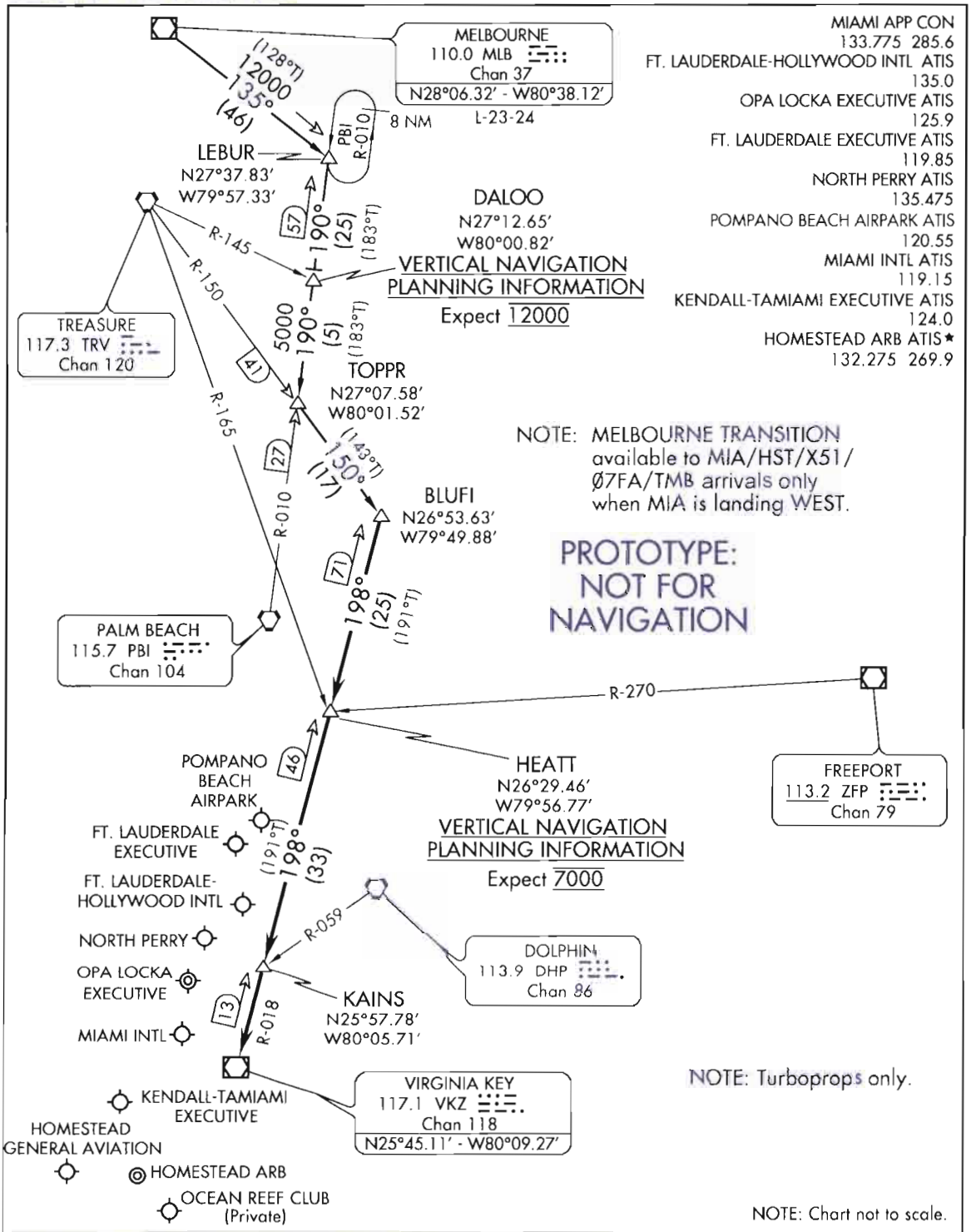
CONTACT: DON SMITH, AJV-352 LEAD, 405.954.1036:

(BLUFI.BLUFI2) PRE-FIG

ST-744 (FAA)

BLUFI TWO ARRIVAL

FORT LAUDERDALE, FLORIDA

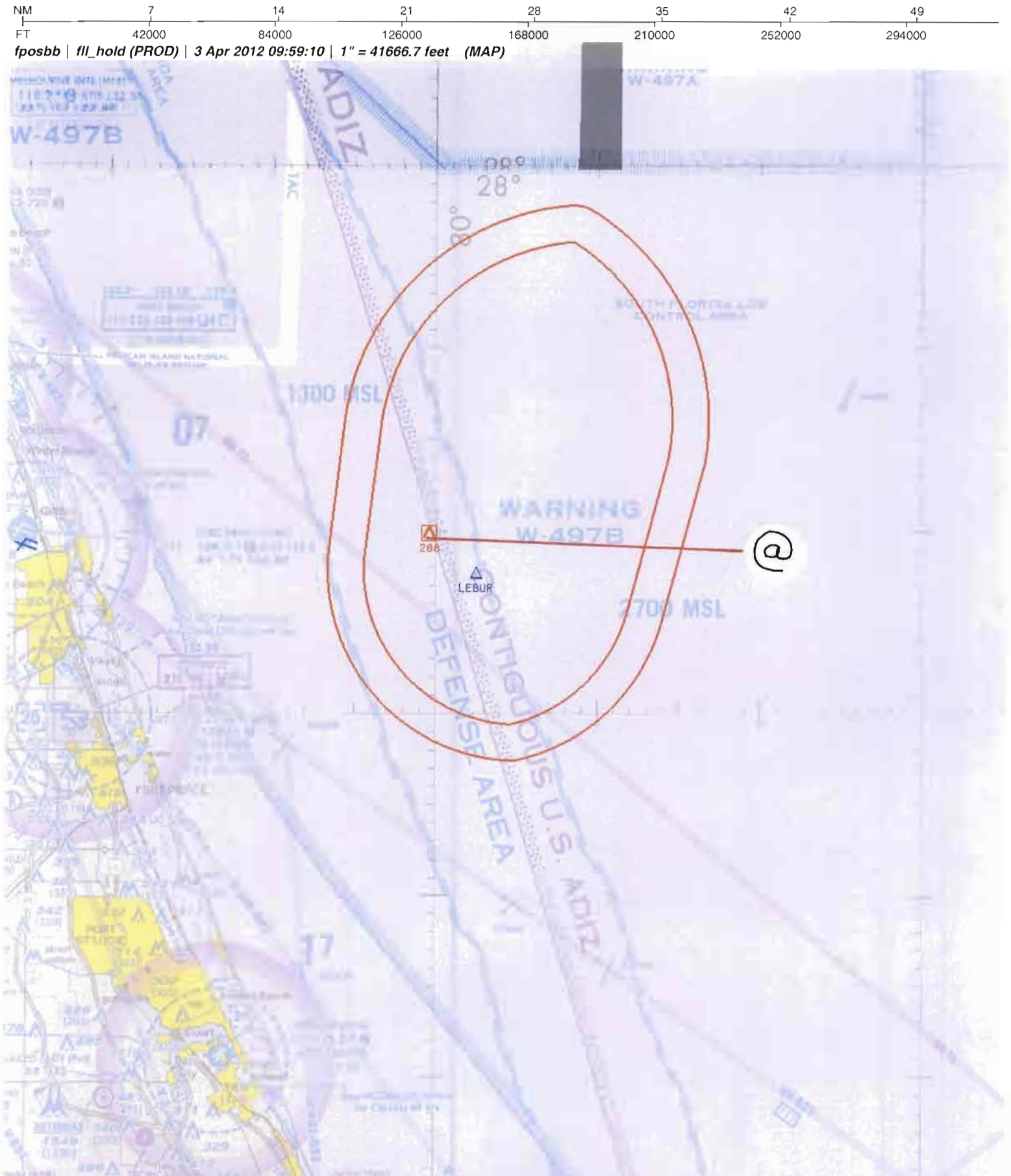


MELBOURNE TRANSITION (MLB.BLUFI2): From over MLB VOR/DME on MLB R-135 to LEBUR INT, then on PBI R-010 to TOPPR INT, then on TRV R-150 to BLUFI INT. Thence . . . . . from over BLUFI INT on VKZ R-018 to HEATT INT/VKZ 46 DME, then on VKZ R-018 to KAINS INT/VKZ 13 DME, then on VKZ R-018 to VKZ VOR/DME. Expect radar vectors to final approach course after KAINS INT/VKZ 13 DME.

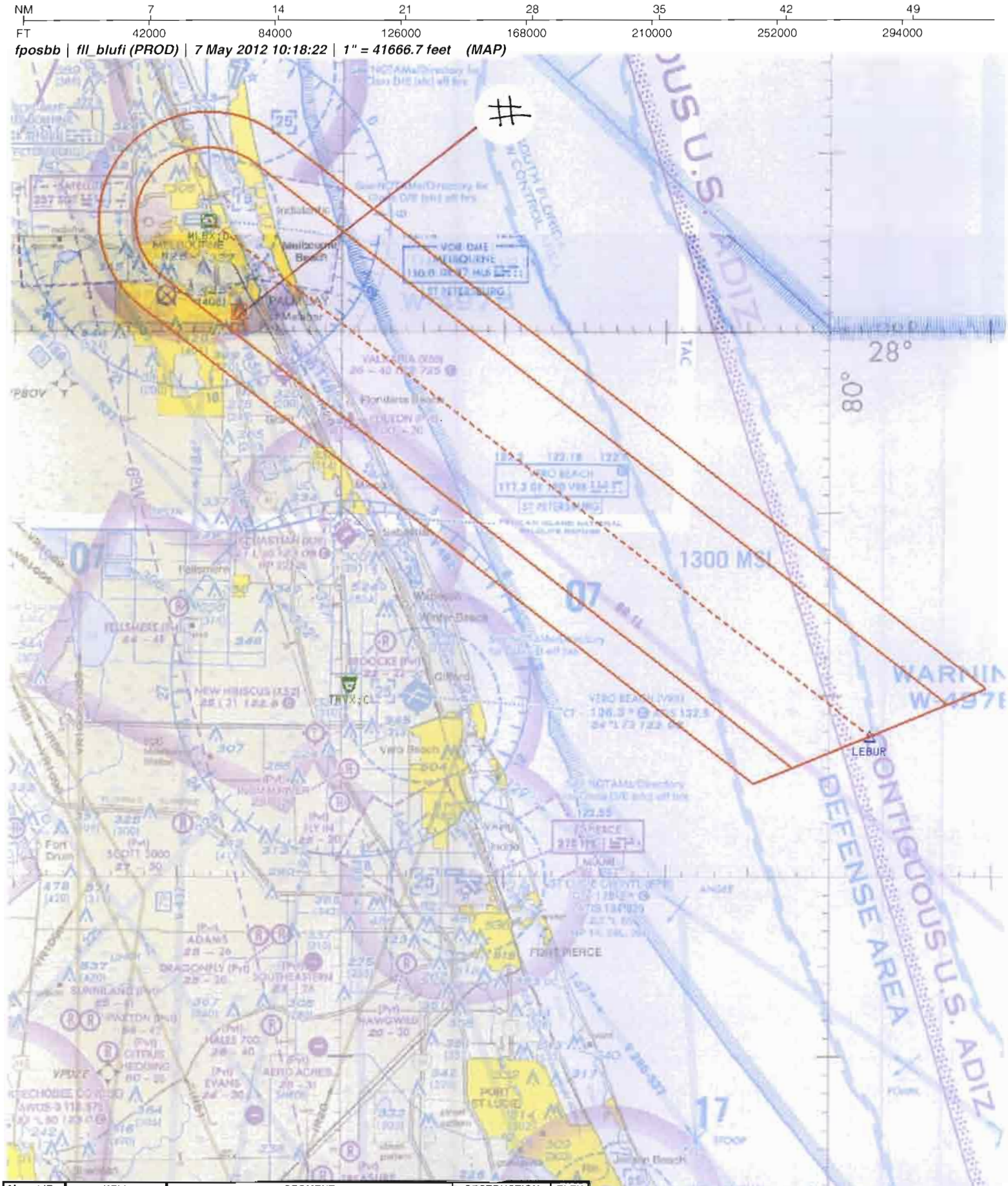
BLUFI TWO ARRIVAL

FORT LAUDERDALE, FLORIDA

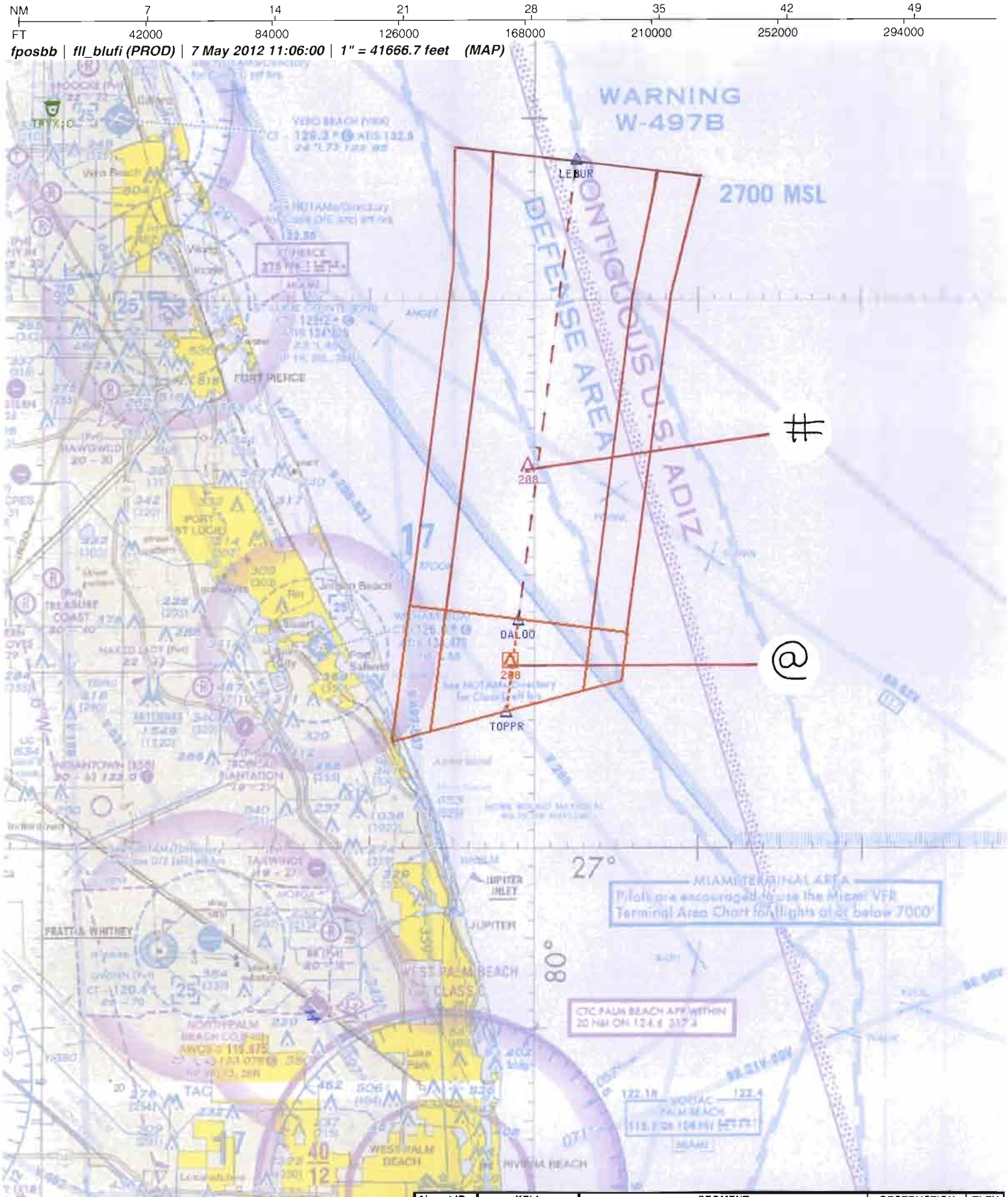
(BLUFI.BLUFI2) PRE-FIG



Airport ID:	KFLL	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Ft. Lauderdale/ Hollywood Intl.	@ LEBUR	Ship	208
City:	Ft. Lauderdale			
State:	FL			
Scale:	1:500,000			
Proc ID:	BLUFI			
Amdt #:	TWO			



Airport ID:	KFLL	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Ft. Lauderdale/ Hollywood Intl.	# MLB VOR/DME - LEBUR	Tower (12-000575)	425
City:	Ft. Lauderdale			
State:	FL			
Scale:	1:500,000			
Proc ID:	BLUFI			
Amdt #:	TWO			



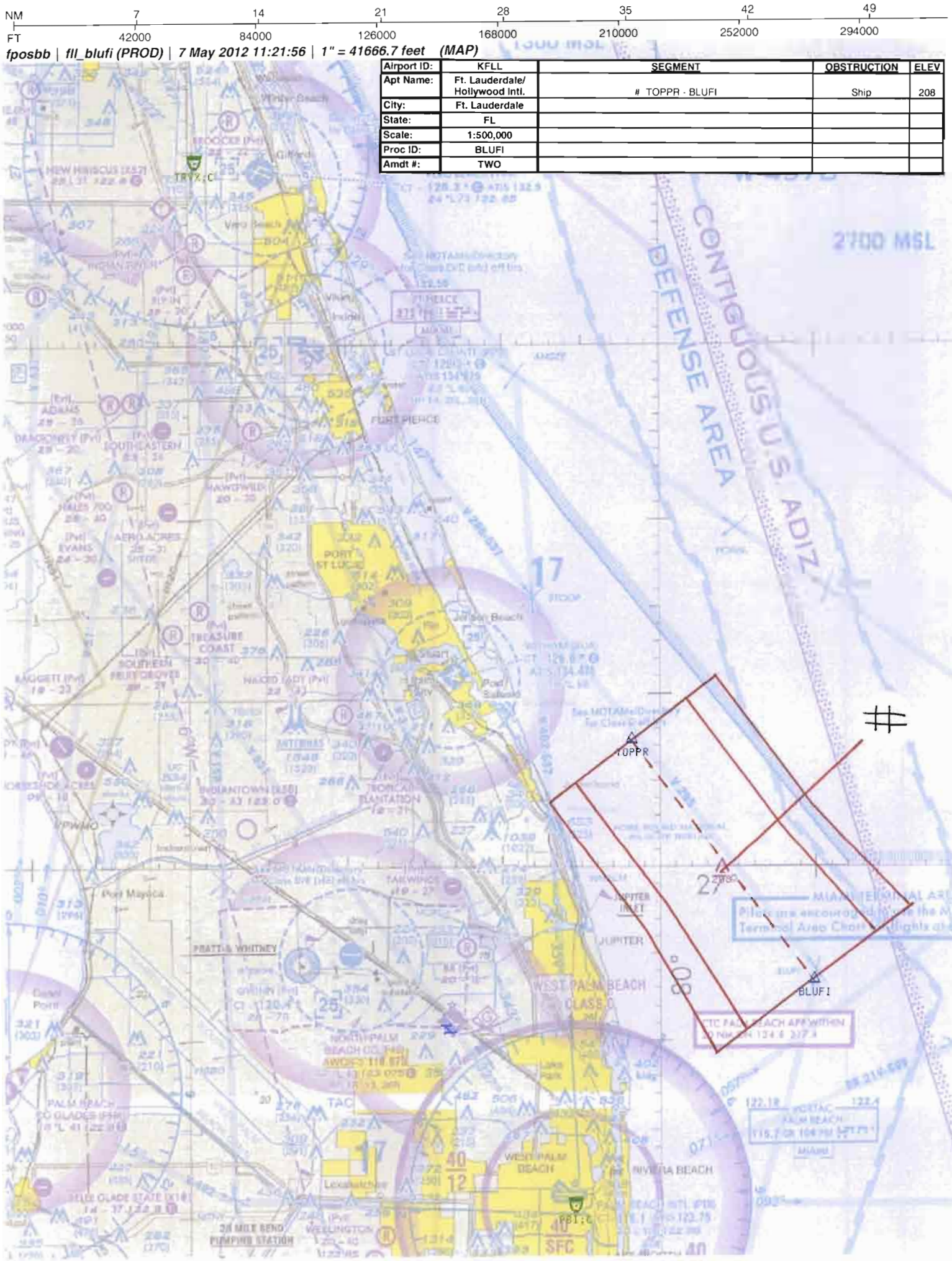
Airport ID:	KFLL	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Ft. Lauderdale/ Hollywood Intl.	# LEBUR - DALOO	Ship	208
City:	Ft. Lauderdale	@ DALOO - TOPPR	Ship	208
State:	FL			
Scale:	1:500,000			
Proc ID:	BLUFI			
Amdt #:	TWO			

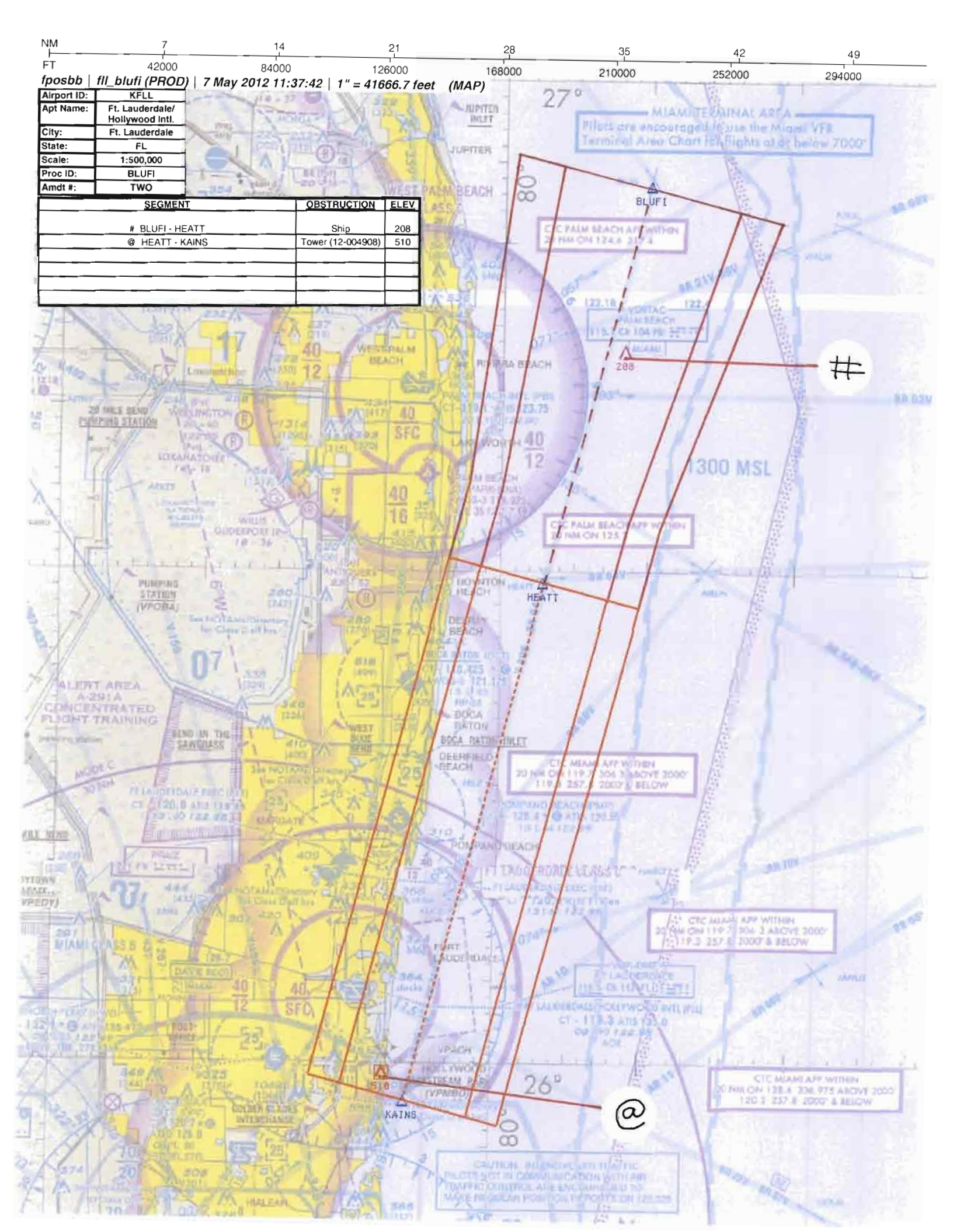
NM 7 14 21 28 35 42 49

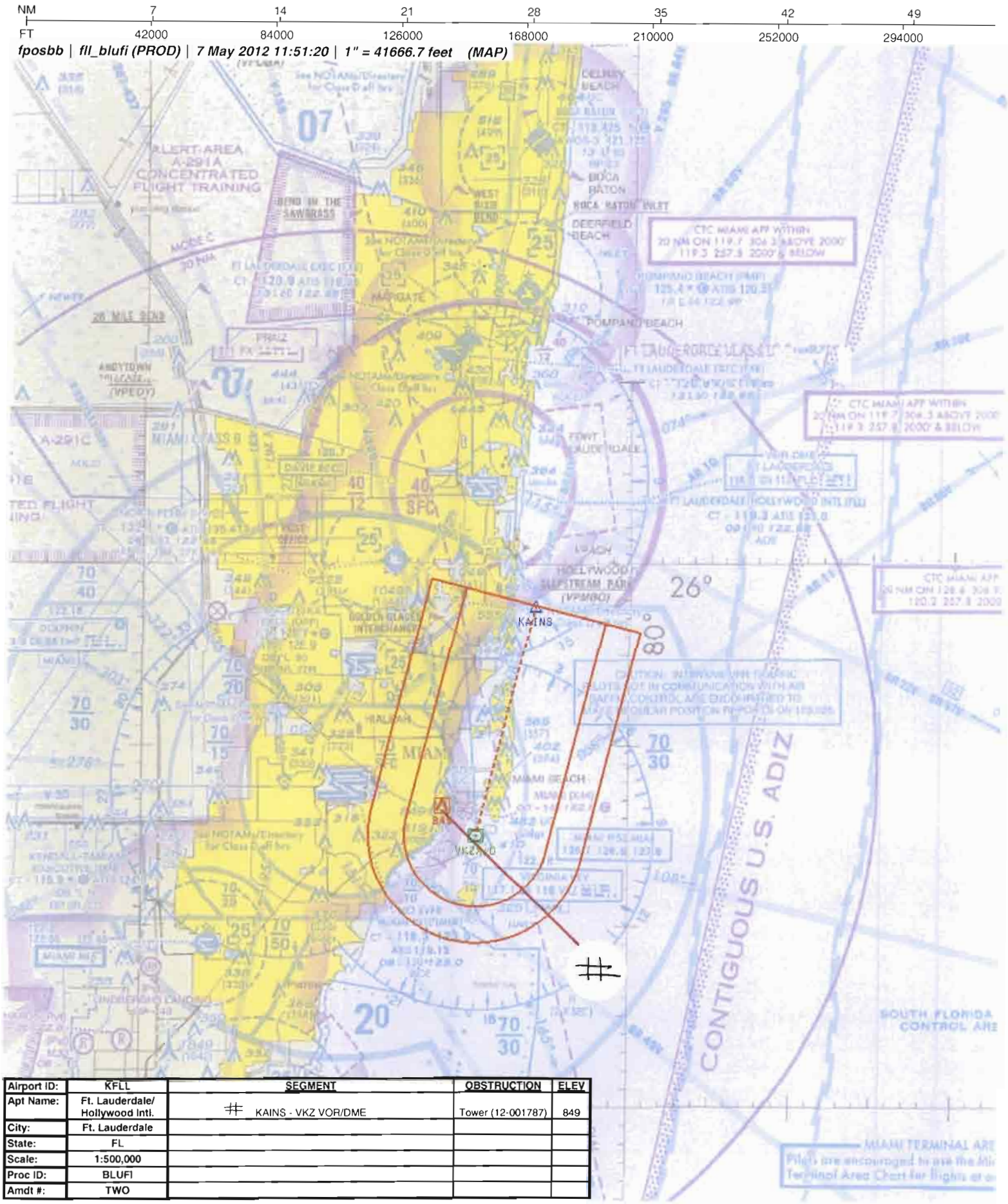
FT 42000 84000 126000 168000 210000 252000 294000

fposbb | fll_blufi (PROD) | 7 May 2012 11:21:56 | 1" = 41666.7 feet (MAP)

Airport ID:	KFLL	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Ft. Lauderdale/ Hollywood Intl.	# TOPPR - BLUFI	Ship	208
City:	Ft. Lauderdale			
State:	FL			
Scale:	1:500,000			
Proc ID:	BLUFI			
Amdt #:	TWO			




NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fposbb | fll_blufi (PROD) | 7 May 2012 11:37:42 | 1" = 41666.7 feet (MAP)
Airport ID: KFLL
Apt Name: Ft. Lauderdale/ Hollywood Intl.
City: Ft. Lauderdale
State: FL
Scale: 1:500,000
Proc ID: BLUFI
Amdt #: TWO
SEGMENT | OBSTRUCTION | ELEV
BLUFI - HEATT | Ship | 208
@ HEATT - KAINS | Tower (12-004908) | 510
BLUFI
HEATT
KAINS
208
#
@
MIAMI TERMINAL AREA
Pilots are encouraged to use the Miami VFR Terminal Area Chart for flights at or below 7000'
1300 MSL
CTC PALM BEACH APP WITHIN
CTC MIAMI APP WITHIN
ALERT AREA A-291A CONCENTRATED FLIGHT TRAINING
27°
26°



Airport ID:	KFLL	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	Ft. Lauderdale/ Hollywood Intl.	KAINS - VKZ VOR/DME	Tower (12-001787)	849
City:	Ft. Lauderdale			
State:	FL			
Scale:	1:500,000			
Proc ID:	BLUFI			
Amdt #:	TWO			

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
MELBOURNE	MLB.BLUFI2	MLB VOR/DME LEBUR INT/MLB 57.30 DME DALOO INT/PBI 32.00 DME TOPPR INT/TRV 41.31 DME	LEBUR INT/MLB 57.30 DME DALOO INT/PBI 32.00 DME TOPPR INT/PBI 26.90 DME BLUFI INT/TRV 58.67 DME	135.00/45.98 (MLB R-135) 190.00/25.30 (PBI R-010) 190.00/5.10 (PBI R-010) 149.99/17.36 (TRV R-150)	12000 12000 5000 5000			

(2) Arrival Route Description: FROM OVER BLUFI INT/VKZ 70.50 DME ON VKZ R-018.23 TO HEATT INT/VKZ 45.62 DME, THEN ON VKZ R-018.23 TO KAINS INT/VKZ 13.03 DME, THEN ON VKZ R-018.23 TO VKZ VOR/DME, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER KAINS INT.

(3) Procedural Data Notes: **NOTE:** TURBOPROPS ONLY; **NOTE:** VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT TO CROSS DALOO AT 12000; **NOTE:** VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT TO CROSS HEATT AT 7000; **NOTE:** MELBOURNE TRANSITION AVAILABLE TO MIA/HST/X51/07FA/TMB ARRIVALS ONLY WHEN MIA IS LANDING WEST.

(4) Fixes and/or Holding Patterns:
CHART HOLDING PATTERN: LEBUR (HOLD N, LT, 190.00 INBOUND, 8 NM LEGS).

(5) Communications: MIAMI APP CON; MIAMI INTL ATIS; FT LAUDERDALE/HOLLYWOOD INTL ATIS; OPA-LOCKA EXECUTIVE ATIS; NORTH PERRY ATIS; FT LAUDERDALE EXECUTIVE ATIS; POMPANO BEACH AIRPARK ATIS; KENDALL-TAMIAMI EXECUTIVE ATIS; HOMESTEAD ARB ATIS.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	09/20/2012

(12) Airports Served			
Airport Name	MIAMI INTL	**City/State**	MIAMI, FL
Airport Name	FORT LAUDERDALE/HOLLYWOOD INTL	**City/State**	FORT LAUDERDALE, FL
Airport Name	FORT LAUDERDALE EXECUTIVE	**City/State**	FORT LAUDERDALE, FL
Airport Name	POMPANO BEACH AIRPARK	**City/State**	POMPANO BEACH, FL
Airport Name	OPA-LOCKA EXECUTIVE	**City/State**	MIAMI, FL
Airport Name	NORTH PERRY	**City/State**	HOLLYWOOD, FL
Airport Name	KENDALL-TAMIAMI EXECUTIVE	**City/State**	MIAMI, FL
Airport Name	HOMESTEAD ARB	**City/State**	HOMESTEAD, FL
Airport Name	HOMESTEAD GENERAL AVIATION	**City/State**	HOMESTEAD, FL
Airport Name	OCEAN REEF CLUB	**City/State**	KEY LARGO, FL

(13) Lost Communications Procedure:

(14) Remarks:

(15) Additional Flight Data: CHART: TRV R-150 AT TOPPR INT; **CHART:** TRV R-165 AT HEATT INT; **CHART:** ZFP R-270 AT HEATT INT; **CHART:** DHP R-059 AT KAINS INT; **CHART:** TRV R-145 AT DALOO INT.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	09/20/2012

(16) Continuation:

(17) Changes:

1. RADIAL FROM MLB VOR/DME TO LEBUR INT CHANGED FROM 130 TO 135.
2. VERO BEACH (VRB) VORTAC CHANGED TO TREASURE (TRV) VORTAC; RADIAL TO TOPPR INT CHANGED FROM 147 TO 150; RADIAL FROM TOPPR INT TO BLUFI INT CHANGED FROM 147 TO 150; RADIAL TO HEATT INT CHANGED FROM 162 TO 165.
3. TRV R-145 CHARTED AT DALOO INT; DHP R-059 CHARTED AT KAINS INT; DELETED NOTE: DME REQUIRED.
4. ARRIVAL ROUTE DESCRIPTION (BLOCK 2) CHANGED FROM: FROM OVER BLUFI INT VIA VKZ R-018 TO VKZ VOR/DME. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER KAINS INT; TO: FROM OVER BLUFI INT/VKZ 70.50 DME ON VKZ R-018.23 TO HEATT INT/VKZ 45.62 DME, THEN ON VKZ R-018.23 TO KAINS INT/VKZ 13.03 DME, THEN ON VKZ R-018.23 TO VKZ VOR/DME, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER KAINS INT.
5. ADDED 8 NM LEG LENGTHS FOR LEBUR INT HOLDING.

(18) Reasons for Changes:

1. MLB VOR/DME MAGVAR CHANGED FROM 2W TO 7W.
2. VERO BEACH (VRB) VORTAC NAME CHANGED TO TREASURE (TRV) VORTAC; MAGVAR CHANGED FROM 4W TO 7W.
3. DALOO AND KAINS IDENTIFIED AS INTERSECTION FIXES; ALL FIXES ON PROCEDURE ARE IDENTIFIED AS BOTH DME AND INTERSECTION FIXES.
4, 5. ATC REQUEST.

06/22/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/12/2012.

1. ADDED EFFECTIVE DATE.

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	SCOTT A. BRONGER, ATCS, ATO-ESA-ZMA-7B		03/12/2012
Approved	**NFPO**	DARRYEL ADAMS, MANAGER, AJV-352	
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	09/20/2012

(19) Graphic Depiction:

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	09/20/2012

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
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        SUSAEAENRT   DALOO K70    R     N27123927W080004895                      W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                      W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                      W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                      W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                      W0065     NAR           TOPPR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
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        SUSAP KMIAK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                    13500460
        SUSAP KMIAK7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP KMIAK7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP KMIAK7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP KMIAK7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP KMIAK7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP KMIAK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KMIAK7GRW08R   0105060924 N25480252W080180516+0000    -0022900008000051200IIMFA1
        SUSAP KMIAK7GRW09    0130160924 N25471056W080183858+0000    -0023000007135856150IIBUL1
        SUSAP KMIAK7GRW12    0093551245 N25475743W080180825+0000    -0022700008000056150IIGEM1
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

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SUSAP KMIAK7GRW27    0130162724 N25471572W080163402+0000    -0022900008026155150IIMIA1
SUSAP KMIAK7GRW30    0093553045 N25471643W080164808+0000    -0022900008094049150IIDCX1
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW08L	N254810.43	W0801805.55	N2548.174	W08018.093
	RW08R	N254802.52	W0801805.16	N2548.042	W08018.086
	RW09	N254710.56	W0801838.58	N2547.176	W08018.643
	RW12	N254757.43	W0801808.25	N2547.957	W08018.138
	RW26L	N254807.27	W0801610.33	N2548.121	W08016.172
	RW26R	N254814.32	W0801631.55	N2548.239	W08016.526
	RW27	N254715.72	W0801634.02	N2547.262	W08016.567
	RW30	N254716.43	W0801648.08	N2547.274	W08016.801

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08L	00008	60
	RW08R	00008	51
	RW09	00007	56
	RW12	00008	56
	RW26L	00008	58
	RW26R	00008	60
	RW27	00008	55

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

RW30 00008 49

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7AFLL     0     090YHN26042135W080090987W003000009         1800018000C    MNAR    FORT LAUDERDALE/HOLLYWOOD INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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        SUSAP KFLLK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                   13500460
        SUSAP KFLLK7EBLUFI22ALL   030DALOOK7EA0E       TF                   19000253
        SUSAP KFLLK7EBLUFI22ALL   040TOPPRK7EA0E       TF                   19000051
        SUSAP KFLLK7EBLUFI22ALL   050BLUFIK7EA0E       TF                   15000174
        SUSAP KFLLK7EBLUFI22ALL   060HEATTK7EA0E       TF                   1982
        SUSAP KFLLK7EBLUFI22ALL   070KAINSK7EA0E       TF                   1982
        SUSAP KFLLK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                   1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFLLK7GRW09L   0090000934 N26043699W080095322+0000    -0023800006057648150IILHI1
        SUSAP KFLLK7GRW09R   0052760934 N26035749W080093364+0000    -0024000005032043100VIFLL0
        SUSAP KFLLK7GRW13    0069301384 N26044406W080093740+0000    -0023800006000055150RILID0
        SUSAP KFLLK7GRW27L   0052762734 N26035717W080084085+0000    -0024000005014240100V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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SUSAP KFLLK7GRW27R    0090002734 N26043649W080082749+0000     -00240000050606491501IUDL1
SUSAP KFLLK7GRW31     0069303184 N26035570W080084455+0000     -00239000060070601501R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW09L	N260436.99	W0800953.22	N2604.617	W08009.887
	RW09R	N260357.49	W0800933.64	N2603.958	W08009.561
	RW13	N260444.06	W0800937.40	N2604.734	W08009.623
	RW27L	N260357.17	W0800840.85	N2603.953	W08008.681
	RW27R	N260436.49	W0800827.49	N2604.608	W08008.458
	RW31	N260355.70	W0800844.55	N2603.928	W08008.743

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00006	48
	RW09R	00005	43
	RW13	00006	55
	RW27L	00005	40
	RW27R	00005	49
	RW31	00006	60

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFXEK7AFXE     0     060YHN26115021W080101454W003000013         1800018000C    MNAR    FORT LAUDERDALE EXECUTIVE

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFXEK7EBLUFI22ALL   010MLB  K7D 0V       IF                                                  18000
        SUSAP KFXEK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                    13500460
        SUSAP KFXEK7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP KFXEK7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP KFXEK7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP KFXEK7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP KFXEK7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP KFXEK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFXEK7GRW08    0060020868 N26115127W080105112+0000    -0022000012000055100IIFXE1
        SUSAP KFXEK7GRW13    0040001318 N26115620W080102592+0000    -0021800012000041100V
        SUSAP KFXEK7GRW26    0060022668 N26115771W080094561+0000    -0022000012000045100R
        SUSAP KFXEK7GRW31    0040003118 N26113138W080095170+0000    -0022300011000048100V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW08	N261151.27	W0801051.12	N2611.855	W08010.852
	RW13	N261156.20	W0801025.92	N2611.937	W08010.432
	RW26	N261157.71	W0800945.61	N2611.962	W08009.760
	RW31	N261131.38	W0800951.70	N2611.523	W08009.862

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00012	55
	RW13	00012	41
	RW26	00012	45
	RW31	00011	48

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KPMPK7APMP     0     044YHN26144970W080063980W003000019         1800018000C    MNAR    POMPANO BEACH AIRPARK

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPMPK7EBLUFI22ALL   010MLB  K7D 0V       IF                                          18000
        SUSAP KPMPK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                   13500460
        SUSAP KPMPK7EBLUFI22ALL   030DALOOK7EA0E       TF                   19000253
        SUSAP KPMPK7EBLUFI22ALL   040TOPPRK7EA0E       TF                   19000051
        SUSAP KPMPK7EBLUFI22ALL   050BLUFIK7EA0E       TF                   15000174
        SUSAP KPMPK7EBLUFI22ALL   060HEATTK7EA0E       TF                   1982
        SUSAP KPMPK7EBLUFI22ALL   070KAINSK7EA0E       TF                   1982
        SUSAP KPMPK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                   1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KPMPK7GRW06    0040010557 N26143829W080065957-0200    -0019800019000039150R
        SUSAP KPMPK7GRW10    0035021006 N26144538W080065981-0200    -0020200018000041100V
        SUSAP KPMPK7GRW15    0044181457 N26151173W080065168-0100    -0021000016000048150RIPMP0
        SUSAP KPMPK7GRW24    0040012357 N26150232W080062464+0200    -0021900013000044150R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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SUSAP KPMPK7GRW28    0035022806 N26144077W080062170+0200    -0022600011000045100V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW06	N261438.29	W0800659.57	N2614.638	W08006.993
	RW10	N261445.38	W0800659.81	N2614.756	W08006.997
	RW15	N261511.73	W0800651.68	N2615.196	W08006.861
	RW24	N261502.32	W0800624.64	N2615.039	W08006.411
	RW28	N261440.77	W0800621.70	N2614.680	W08006.362
	RW33	N261436.94	W0800622.25	N2614.616	W08006.371

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00019	39
	RW10	00018	41
	RW15	00016	48
	RW24	00013	44
	RW28	00011	45
	RW33	00011	55

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR          BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR          DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR          HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR          KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR          LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR          TOPPR

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AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KOPFK7AOPF     0     080YHN25542670W080164160W006000008         1800018000C    MNAR    OPA- LOCKA EXECUTIVE

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KOPFK7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP KOPFK7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP KOPFK7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP KOPFK7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP KOPFK7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP KOPFK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KOPFK7GRW09L   0080020929 N25544553W080171922+0000    -00231000070000511501IOPF1
        SUSAP KOPFK7GRW09R   0043090930 N25535654W080170660+0000    -00233000060000261000V
        SUSAP KOPFK7GRW12    0068001278 N25543402W080171216+0000    -00227000080800531501OLX1
        SUSAP KOPFK7GRW27L   0043092730 N25535880W080161949+0000    -00234000060000501000V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW09L	N255445.53	W0801719.22	N2554.759	W08017.320
	RW09R	N255356.54	W0801706.60	N2553.942	W08017.110
	RW12	N255434.02	W0801712.16	N2554.567	W08017.203
	RW27L	N255358.80	W0801619.49	N2553.980	W08016.325
	RW27R	N255449.76	W0801551.71	N2554.829	W08015.862
	RW30	N255402.67	W0801616.34	N2554.045	W08016.272

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00007	51
	RW09R	00006	26
	RW12	00008	53
	RW27L	00006	50
	RW27R	00007	58
	RW30	00008	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
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STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHWOK7AHWO     0     033YHN26000440W080142660W006000008         1800018000C    MNAR    NORTH PERRY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHWOK7EBLUFI22ALL   010MLB  K7D 0V       IF                                          18000
        SUSAP KHWOK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                    13500460
        SUSAP KHWOK7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP KHWOK7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP KHWOK7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP KHWOK7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP KHWOK7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP KHWOK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHWOK7GRW01L   0033500063 N25595566W080143865+0000    -00231000070350401OOV
        SUSAP KHWOK7GRW01R   0032600063 N25595295W080142777+0000    -00230000070185401OOV
        SUSAP KHWOK7GRW10L   0032400963 N26000815W080143924+0000    -00232000070181401OOV
        SUSAP KHWOK7GRW10R   0032550963 N25595361W080143641+0000    -00229000080255451OOR
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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SUSAP KHWOK7GRW19L   0032601863 N26002231W080142259+0000    -00233000070110401O0V
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SUSAP KHWOK7GRW28L   0032552763 N25595345W080140584+0000    -00229000080210361O0V
SUSAP KHWOK7GRW28R   0032402764 N26000797W080140636+0000    -00231000070060431O0R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW01L	N255955.66	W0801438.65	N2559.928	W08014.644
	RW01R	N255952.95	W0801422.77	N2559.883	W08014.380
	RW10L	N260008.15	W0801439.24	N2600.136	W08014.654
	RW10R	N255953.61	W0801436.41	N2559.894	W08014.607
	RW19L	N260022.31	W0801422.59	N2600.372	W08014.377
	RW19R	N260021.90	W0801438.48	N2600.365	W08014.641
	RW28L	N255953.45	W0801405.84	N2559.891	W08014.097
	RW28R	N260007.97	W0801406.36	N2600.133	W08014.106

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01L	00007	40
	RW01R	00007	40
	RW10L	00007	40
	RW10R	00008	45
	RW19L	00007	40
	RW19R	00007	40
	RW28L	00008	36

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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RW28R 00007 43

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR          BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR          DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR          HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR          KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR          LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR          TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KTMBK7ATMB     0     059YHN25385123W080255961W006000010         1800018000C    MNAR    KENDALL-TAMIAMI EXECUTIVE

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7EBLUFI22ALL   010MLB  K7D 0V       IF                                          18000
        SUSAP KTMBK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                    13500460
        SUSAP KTMBK7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP KTMBK7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP KTMBK7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP KTMBK7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP KTMBK7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP KTMBK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KTMBK7GRW09L   0050030933 N25390949W080262430+0000    -0022400008000050150R
        SUSAP KTMBK7GRW09R   0059990933 N25383444W080262794+0000    -00218000100000501501ITMB1
        SUSAP KTMBK7GRW13    0040011333 N25390205W080262686+0000    -0022400008000040150V
        SUSAP KTMBK7GRW27L   0059992733 N25383723W080252246+0000    -0022500008000050150R
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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SUSAP KTMBK7GRW27R   0050032733 N25391181W080252969+0000    -00225000080000050150R
SUSAP KTMBK7GRW31    0040013134 N25383801W080255210+0000    -00225000080000050150D
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW09L	N253909.49	W0802624.30	N2539.158	W08026.405
	RW09R	N253834.44	W0802627.94	N2538.574	W08026.466
	RW13	N253902.05	W0802626.86	N2539.034	W08026.448
	RW27L	N253837.23	W0802522.46	N2538.621	W08025.374
	RW27R	N253911.81	W0802529.69	N2539.197	W08025.495
	RW31	N253838.01	W0802552.10	N2538.634	W08025.868

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09L	00008	50
	RW09R	00010	50
	RW13	00008	40
	RW27L	00008	50
	RW27R	00008	50
	RW31	00008	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHSTK7AHST     0     112YHN25291878W080230084W003000006         1800018000M    MNAR    HOMESTEAD ARB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSTK7EBLUFI22ALL   010MLB  K7D 0V       IF                                          18000
        SUSAP KHSTK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                   13500460
        SUSAP KHSTK7EBLUFI22ALL   030DALOOK7EA0E       TF                   19000253
        SUSAP KHSTK7EBLUFI22ALL   040TOPPRK7EA0E       TF                   19000051
        SUSAP KHSTK7EBLUFI22ALL   050BLUFIK7EA0E       TF                   15000174
        SUSAP KHSTK7EBLUFI22ALL   060HEATTK7EA0E       TF                   1982
        SUSAP KHSTK7EBLUFI22ALL   070KAINSK7EA0E       TF                   1982
        SUSAP KHSTK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                   1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KHSTK7GRW05    0112000523 N25284262W080234720+0000    -00235000050000543001IHST1
        SUSAP KHSTK7GRW23    0112002323 N25295494W080221448+0000    -0023600006000043300V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

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US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MLB	010		IF		FB					
	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW05	N252842.62	W0802347.20	N2528.710	W08023.787
	RW23	N252954.94	W0802214.48	N2529.916	W08022.241

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00005	54
	RW23	00006	43

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP X51 K7AX51     0     039YHN25295723W080331528W006000007         1800018000C    MNAR    HOMESTEAD GENERAL AVIATION

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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        SUSAP X51 K7EBLUFI22ALL   020LEBURK7EA0E  H    TF                    13500460
        SUSAP X51 K7EBLUFI22ALL   030DALOOK7EA0E       TF                    19000253
        SUSAP X51 K7EBLUFI22ALL   040TOPPRK7EA0E       TF                    19000051
        SUSAP X51 K7EBLUFI22ALL   050BLUFIK7EA0E       TF                    15000174
        SUSAP X51 K7EBLUFI22ALL   060HEATTK7EA0E       TF                    1982
        SUSAP X51 K7EBLUFI22ALL   070KAINSK7EA0E       TF                    1982
        SUSAP X51 K7EBLUFI22ALL   080VKZ  K7D 0VE      TF                    1982

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP X51 K7GRW19    0039991855 N25300752W080332544+0000    -00225000070000050100D
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
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	ALL	LEBUR	020		TF		FB		135.0()	046.0		
	ALL	DALOO	030		TF		FB		190.0()	025.3		
	ALL	TOPPR	040		TF		FB		190.0()	005.1		
	ALL	BLUFI	050		TF		FB		150.0()	017.4		
	ALL	HEATT	060		TF		FB		198.2()			
	ALL	KAINS	070		TF		FB		198.2()			
	ALL	VKZ	080		TF		FB		198.2()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MLB	N280619.02	W0803807.22	N2806.317	W08038.120
	VKZ	N254506.84	W0800915.99	N2545.114	W08009.267
	BLUFI	N265337.86	W0794953.06	N2653.631	W07949.884
	DALOO	N271239.27	W0800048.95	N2712.655	W08000.816
	HEATT	N262927.39	W0795646.13	N2629.457	W07956.769
	KAINS	N255746.89	W0800542.76	N2557.782	W08005.713
	LEBUR	N273750.02	W0795719.69	N2737.834	W07957.328
	TOPPR	N270734.71	W0800130.94	N2707.579	W08001.516
	RW01	N252927.91	W0803325.05	N2529.465	W08033.418
	RW10	N253009.84	W0803318.35	N2530.164	W08033.306
	RW19	N253007.52	W0803325.44	N2530.125	W08033.424
	RW28	N253010.00	W0803245.64	N2530.167	W08032.761

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00007	24
	RW10	00006	40
	RW19	00007	50
	RW28	00007	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MLB   K7011000VDL  N28061902W080380722    N28061902W080380722W0070000341     NARMELBOURNE
        SUSAD        VKZ   K7011710VDH  N25450684W080091599    N25450684W080091599W0040000122     NARVIRGINIA KEY

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUFI K70    R   B N26533786W079495306                    W0066     NAR           BLUFI
        SUSAEAENRT   DALOO K70    R     N27123927W080004895                    W0065     NAR           DALOO
        SUSAEAENRT   HEATT K70    C   B N26292739W079564613                    W0065     NAR           HEATT
        SUSAEAENRT   KAINS K70    C   L N25574689W080054276                    W0063     NAR           KAINS
        SUSAEAENRT   LEBUR K70    R     N27375002W079571969                    W0066     NAR           LEBUR
        SUSAEAENRT   TOPPR K70    R   B N27073471W080013094                    W0065     NAR           TOPPR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 07FAK7A        0     045YHN25193142W080162919W003000008         1800018000P    MNAR    OCEAN REEF CLUB

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 07FAK7EBLUFI22ALL   010MLB  K7D 0V       IF                                          18000
        SUSAP 07FAK7EBLUFI22ALL   020LEBURK7EA0E  H    TF                   13500460
        SUSAP 07FAK7EBLUFI22ALL   030DALOOK7EA0E       TF                   19000253
        SUSAP 07FAK7EBLUFI22ALL   040TOPPRK7EA0E       TF                   19000051
        SUSAP 07FAK7EBLUFI22ALL   050BLUFIK7EA0E       TF                   15000174
        SUSAP 07FAK7EBLUFI22ALL   060HEATTK7EA0E       TF                   1982
        SUSAP 07FAK7EBLUFI22ALL   070KAINSK7EA0E       TF                   1982
        SUSAP 07FAK7EBLUFI22ALL   080VKZ  K7D 0VE      TF                   1982

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 07FAK7GRW04    0045000400                          00008000050070D
        SUSAP 07FAK7GRW22    0045002200                          00008000050070D
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BLUFI	TWO	BLUFI.BLUFI2	ONE	27 OCT 2005	

FAA Form 7100-3 (9/02)

RADIO FIX AND HOLDING DATA RECORD

NAME: BLUFI **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 265337.86N/0794953.06W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H	018.23	014.23	70.50	70.50		5000	45000
2	TREASURE	TRV	VORTAC	H	149.99	142.99	58.67	58.67		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TRV	VORTAC	R-150	59	5000	14500
VKZ	VOR/DME	R-018	71	5000	14500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	VKZ	VOR/DME	018.23	198.23	R	1-1 1/2	7	5000	45000	7	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	265337.86N/0794953.06W	280	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
TREASURE (FAC 2) AND VIRGINIA KEY (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J45	1, 2	1			(US)
EN ROUTE	V295	1, 2	1			(US)
STAR	BLUFI	1, 2		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	1, 2		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KOPF	MIAMI	FL (US)
STAR	BLUFI	1, 2		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED VRB FROM FAC 2; ADDED TRV AS FAC 2.
ADDED FAC 1 NM DIST FROM FAC.
UPDATED FACS 1 AND 2 ESV DATA.
ADDED HOLDING LIMITED NOTE TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN NOTE TO REMARKS.
IDENTIFIED FACILITIES USED TO ESTABLISH FIX COORDINATES (FACS 1 AND 2).
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/01/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: PBI APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DALOO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 271239.27N/0800048.95W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H	010.00	007.00	32.00	32.00		12000	23000
2	TREASURE	TRV	VORTAC	H	144.63	137.63	37.79	37.79		12000	23000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
TREASURE (FAC 2) AND PALM BEACH (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BLUFI	1, 2		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	1, 2		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KOPF	MIAMI	FL (US)
STAR	BLUFI	1, 2		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED INT TO FIX TYPE.
ADDED TREASURE (TRV) VORTAC AS FAC 2.
ADDED NM DIST FROM FAC 1.
IDENTIFIED FACILITIES USED TO ESTABLISH FIX COORDINATES (FACS 1 AND 2).
UDATED FIX USE.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY:
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FREEPORT VOR/DME **STATE:** OA **COUNTRY:** US

LATITUDE/LONGITUDE: 263319.25N/0784152.25W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	FREEPORT	ZFP	VOR/DME	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	ZFP	VOR/DME	066.00	248.00	R	1-1 1/2		2000	17500	4	16
2	SW	ZFP	VOR/DME	233.00	053.00	L	1-1 1/2		2000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (BS-000038)	263045.00N/0784515.00W	371	2D
2	200	STACK (BS-000038)	263045.00N/0784515.00W	371	2D

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLD PAT 1 AND PAT 2 PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHILN (RNAV)			MYAT	ABACO ISLAND, BAHAMAS	(BF)
DP	TOONI (RNAV)			MYAM	MARSH HARBOUR, BAHAMAS	(BF)
DP	FT. LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	FT. LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	BR10L					(BF)
EN ROUTE	BR1L					(BF)
EN ROUTE	BR21V-63V					(BF)
EN ROUTE	BR62V					(BF)
EN ROUTE	BR63V					(BF)
EN ROUTE	BR64V-68V					(BF)
EN ROUTE	BR65V					(BF)
EN ROUTE	BR66V-70V					(BF)
EN ROUTE	BR69V					(BF)
EN ROUTE	BR70V					(BF)
EN ROUTE	BR71V					(BF)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	DEKAL			KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	GISSH			KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY			KHST	HOMESTEAD	FL (US)
STAR	BLUFI			KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	ANNEY			KX51	HOMESTEAD	FL (US)
STAR	BLUFI			KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	ANNEY			K07FA	KEY LARGO	FL (US)
STAR	BLUFI			K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	ANNEY			KMIA	MIAMI	FL (US)
STAR	BLUFI			KMIA	MIAMI	FL (US)

QUALITY CHECKED

STAR	FLIPR (RNAV)	KMIA	MIAMI	FL (US)
STAR	FOWEE	KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	KMIA	MIAMI	FL (US)
STAR	BLUFI	KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)	KOPF	MIAMI	FL (US)
STAR	GISSH	KOPF	MIAMI	FL (US)
STAR	ANNEY	KTMB	MIAMI	FL (US)
STAR	BLUFI	KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	KTMB	MIAMI	FL (US)
STAR	BLUFI	KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)	KPMP	POMPANO BEACH	FL (US)
STAR	GISSH	KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
ADDED HOLD PAT 1 AND PAT 2 PER ATC REQUEST REMARK.

DEVELOPED BY: **DATE:** 03/23/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA TRACON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HEATT **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 262927.39N/0795646.13W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H	018.23	014.23	45.62	45.62		5000	45000
2	FREEPORT	ZFP	VOR/DME	H	270.00	267.00	67.29	67.29		5000	45000
3	TREASURE	TRV	VORTAC	H	164.60	157.60	76.78	76.78		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TRV	VORTAC	R-165	77	5000	14500
VKZ	VOR/DME	R-018	46	5000	14500
ZFP	VOR/DME	R-270	68	5000	14500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
VIRGINIA KEY (FAC 1) AND FREEPORT (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUFIT (RNAV)			KPBI	WEST PALM BEACH	FL (US)
DP	PALM BEACH	1		KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	BR54V	1, 2, 3				(US)
EN ROUTE	BR55V	1, 2, 3				(US)
EN ROUTE	BR64V	1, 2, 3				(US)
EN ROUTE	BR68V	1, 2, 3				(US)
EN ROUTE	J45	1, 2, 3				(US)
EN ROUTE	V295	1, 2, 3				FL (US)
IAP	RNAV (GPS) RWY 24			KPMP	POMPANO BEACH	FL (US)
STAR	BLUFI	1, 2, 3		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2, 3		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2, 3		KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	1, 2, 3		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2, 3		KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2, 3		K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2, 3		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2, 3		KOPF	MIAMI	FL (US)
STAR	BLUFI	1, 2, 3		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2, 3		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. ADDED VIRGINIA KEY (FAC 1) AND FREEPORT (FAC 2) USED TO ESTABLISH FIX COORDINATES REMARK.
2. CHANGED FAC 3 FROM VERO BEACH (VRB) TO TREASURE (TRV).
3. CHANGED VRB ESV TO TRV ESV.
4. CHANGED FAC 3 MAG BRG FROM 161.60 TO 164.60.
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/27/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: PBI APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAINS **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 255746.89N/0800542.76W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H	018.23	014.23	13.03	13.03		2000	17500
2	DOLPHIN	DHP	VORTAC	H	058.56	054.56	16.85	16.85		5000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
VIRGINIA KEY (FAC 1) AND DOLPHIN (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HITAG (RNAV) DEPARTURE			KMIA	MIAMI	FL (US)
EN ROUTE	BR64V	1				(US)
EN ROUTE	V295	1				(US)
STAR	BLUFI	1, 2		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	1		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1		KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	ANNEY	1		K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	ANNEY	1		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)			KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KOPF	MIAMI	FL (US)
STAR	ANNEY	1		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)			KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADD INT TO FIX TYPR.
ADD DHP VORTAC AS FAC 2.
IDENTIFIED FACILITIES USED TO ESTABLISH FIX COORDINATES (FACS 1 AND 2).
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LEBUR **STATE:** OA **COUNTRY:** US

LATITUDE/LONGITUDE: 273750.02N/0795719.69W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H	010.00	007.00	57.30	57.30		12000	23000
2	MELBOURNE	MLB	VOR/DME	L	135.00	128.00	45.98	45.98		12000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PBI	VORTAC	R-010	58	12000	14500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	PBI	VORTAC	010.00	190.00	L	1-1 1/2	8	12000	23000	11	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	SHIP	273936.72N/0800012.29W	208	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 LEFT TURNS AND 8 NM LEG LENGTHS ATC REQUEST.

HOLDING RESTRICTIONS:
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497A, AND W-497B.
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
MELBOURNE (FAC 2) AND PALM BEACH (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BLUFI	1, 2	1	KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2	1	KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2	1	KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	1, 2	1	KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2	1	KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2	1	K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2	1	KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2	1	KOPF	MIAMI	FL (US)
STAR	BLUFI	1, 2	1	KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2	1	KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FAC 2 DUE TO MAGVAR CHANGE FROM W2 TO 7W.
ADDED NM DIST FROM FAC FOR FACS 1 AND 2.
UPDATED FAC 2 ESV DATA.
ADDED PAT 1 REASON FOR NON-STANDARD HOLDING.
MOVED PRIOR COORDINATION NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
MOVED HOLDING LIMITED NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN NOTE TO REMARKS.
IDENTIFIED FACILITIES USED TO ESTABLISH FIX COORDINATES IN REMARKS (FACS 1 AND 2).
CHANGED DISTRIBUTION FPO FROM ATL TO EST.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/03/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MELBOURNE VOR/DME **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280619.02N/0803807.22W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MELBOURNE	MLB	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S	MLB	VOR/DME	195.00	015.00	L	1-1 1/2		3000	17500	12	20
2	W	MLB	VOR/DME	287.62	107.62	R	1		2100	6000	4	5
3	S		WP	198.00	018.00	L		5	3000	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	TOWER (12-001916)	275920.00N/0804334.00W	544	5D
2	200	TOWER (12-002052)	280250.00N/0804033.00W	525	5D
3	200	TOWER (12-001916)	275920.00N/0804334.00W	544	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W497B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OCEAN			KCOF	COCOA BEACH	FL (US)
DP	RIVER			KCOF	COCOA BEACH	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	MALRY			KORL	ORLANDO	FL (US)
DP	SOAPS			KORL	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
EN ROUTE	V3					FL (US)
EN ROUTE	V437					FL (US)
EN ROUTE	V441					FL (US)
EN ROUTE	V492					FL (US)
IAP	VOR/DME RWY 2		1	KCOF	COCOA BEACH	FL (US)
IAP	ILS OR LOC RWY 9R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 27L		2	KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 9R		2	KMLB	MELBOURNE	FL (US)
IAP	NDB RWY 11			KCOI	MERRITT ISLAND	FL (US)
IAP	RNAV (GPS) RWY 11		3	KCOI	MERRITT ISLAND	FL (US)
IAP	VOR/DME GPS - A			KISM	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 22			KX26	SEBASTIAN	FL (US)
IAP	ILS OR LOC RWY 36			KTIX	TITUSVILLE	FL (US)
IAP	GPS RWY 33			KX21	TITUSVILLE	FL (US)
IAP	VOR RWY 11R			KVRB	VERO BEACH	FL (US)
IAP	VOR/DME RWY 29L			KVRB	VERO BEACH	FL (US)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	GISSH			KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY			KHST	HOMESTEAD	FL (US)
STAR	BLUFI			KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	ANNEY			KX51	HOMESTEAD	FL (US)
STAR	BLUFI			KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	ANNEY			K07FA	KEY LARGO	FL (US)
STAR	BLUFI			K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)

QUALITY CHECKED

STAR	ANNEY	KMIA	MIAMI	FL (US)
STAR	BLUFI	KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	KMIA	MIAMI	FL (US)
STAR	LONNI (RNAV)	KMIA	MIAMI	FL (US)
STAR	BLUFI	KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)	KOPF	MIAMI	FL (US)
STAR	GISSH	KOPF	MIAMI	FL (US)
STAR	ANNEY	KTMB	MIAMI	FL (US)
STAR	BLUFI	KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)	KMCO	ORLANDO	FL (US)
STAR	GOOFY	KMCO	ORLANDO	FL (US)
STAR	BLUFI	KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)	KPMP	POMPANO BEACH	FL (US)
STAR	GISSH	KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FAC 1 ADDED.
PAT 1 RAD/CRS/BRG CHANGED FROM 190.00 TO 195.00 AND CRS INBOUND FROM 010.00 TO 015.00.
PAT 2 RAD/CRS/BRG CHANGED FROM 269.00 TO 287.62 AND CRS INBOUND FROM 089.00 TO 107.62, MAX ALTITUDE LOWERED FROM 10000 TO 6000 AND MAX TEMPLATE FROM 9 TO 5.
PAT 3 RAD/CRS/BRG CHANGED FROM 193.00 TO 198.00 AND CRS INBOUND FROM 013.00 TO 018.00.

DEVELOPED BY: **DATE:** 03/09/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: ORL APP CON, MLB ATCT
OTHER: ZMA

RADIO FIX AND HOLDING DATA RECORD

NAME: PALM BEACH VORTAC **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 264048.19N/0800511.42W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	PBI	VORTAC	090.00	270.00	R	1		2000	10000	4	9
2	N	PBI	VORTAC	006.57	186.57	R	1		2000	10000	4	9
3	N	PBI	VORTAC	343.24	163.24	L	1-1 1/2		13000	45000	10	29
4	N		WP	345.19	165.19	L		10	5000	14000	10	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (12-004716)	263521.24N/0801242.76W	1314	5D
1	200	TOWER (12-002718)	264427.00N/0800743.00W	457	5D
2	200	TOWER (12-002502)	264759.72N/0800431.74W	541	1A
3	230	TOWER (12-002502)	264759.72N/0800431.74W	541	1A
4	200	TOWER (12-002502)	264759.72N/0800431.74W	541	1A

REASON FOR NONSTANDARD HOLDING:
PAT 3 AIR TRAFFIC
PAT 4 AIR TRAFFIC

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER (PAT 3 FL300) (UNPLAN FL180) OVER W-497.

REMARKS:
PAT 1 HOLDING ATC REQUEST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BAHMA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	PREDA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	ZAPPA (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	FT. LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	A699					(US)
EN ROUTE	BR21V					(US)
EN ROUTE	BR54V					(US)
EN ROUTE	BR55V					(US)
EN ROUTE	BR63V					(US)
EN ROUTE	BR69V					(US)
EN ROUTE	J79					(US)
EN ROUTE	V3					(US)
EN ROUTE	V492					(US)
EN ROUTE	V531					(US)
EN ROUTE	V537					(US)
IAP	RNAV (GPS) RWY 23			KBCT	BOCA RATON	FL (US)
IAP	VOR/DME-A		2	KBCT	BOCA RATON	FL (US)
IAP	ILS OR LOC RWY 27R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9L			KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC/DME RWY 13			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC/DME RWY 9 (SPECIAL)			K06FA	JUPITER	FL (US)
IAP	RNAV (GPS) RWY 30			KSUA	STUART	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	VOR RWY 8R			KF45	WEST PALM BEACH	FL (US)

QUALITY CHECKED

IAP	VOR OR GPS RWY 15		KLNA	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L		KPBI	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 28R		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 10L		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 14		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 28R		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 32		KPBI	WEST PALM BEACH	FL (US)
STAR	GOOFY		KX04	APOPKA	FL (US)
STAR	CAYSL (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	PRRIE (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	TUXXI		KBCT	BOCA RATON	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	3	KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	4	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	3	KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	4	KX51	HOMESTEAD	FL (US)
STAR	FRWAY (RNAV)		K06FA	JUPITER	FL (US)
STAR	ANNEY	3	K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)	4	K07FA	KEY LARGO	FL (US)
STAR	BAIRN (RNAV)		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	3	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	CYPRESS		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	4	KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	ANNEY	3	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	4	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)		KISM	ORLANDO	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KORL	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KSFB	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	FRWAY (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	FRWAY (RNAV)		KPBI	WEST PALM BEACH	FL (US)
STAR	TUXXI		KPBI	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED CONTROLLING OBSTRUCTIONS.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

DEVELOPED BY: **DATE:** 05/01/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: PBI APP CON/ATCT, MIA APP CON
OTHER: MCO ATCT, MCO APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: TOPPR **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 270734.71N/0800130.94W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H	010.00	007.00	26.90	26.90		5000	23000
2	TREASURE	TRV	VORTAC	H	149.99	142.99	41.31	41.31		5000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TRV	VORTAC	R-150	42	5000	14500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
PALM BEACH (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J45	2				(US)
EN ROUTE	V295	2				FL (US)
STAR	BLUFI	1, 2		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	1, 2		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KX51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		K07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KOPF	MIAMI	FL (US)
STAR	BLUFI	1, 2		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETE VRB AS FAC 2; ADD TRV AS FAC 2.
ADD FAC 1 NM DIST FROM FAC.
UPDATE ESV DATA.
IDENTIFIED FACILITIES USED TO ESTABLISH FIX COORDINATES (FACS 1 AND 2).
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TREASURE VORTAC **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 274042.33N/0802923.01W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TREASURE	TRV	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	TRV	VORTAC	347.04	167.04	L	1-1 1/2		10000	24000	4	19
2	N	TRV	VORTAC	348.00	168.00	R	1-1 1/2		2000	24000	4	19
3	NW	TRV	VORTAC	336.95	156.95	R	1		2000	6000	4	5
4	NW	TRV	VORTAC	303.00	123.00	R	1		2000	6000	4	5
5	N		WP	345.10	165.10	L		10	10000	16000	15	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
2	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
3	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
4	200	TOWER (12-003485)	274431.00N/0803923.00W	398	5D
5	230	TOWER (12-002803)	274408.00N/0802726.00W	524	5D

REASON FOR NONSTANDARD HOLDING:
PAT 5 ATC REQUEST
PAT 1 AVOID ADJACENT AIRSPACE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVAL COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B.
PAT 2 HOLDING ATC REQUEST.
PAT 4 ALTERNATE MISSED APPROACH HOLDING. (DO NOT CHART)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	MARLY			KORL	ORLANDO	FL (US)
DP	SOAPS			KORL	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	BR62V					(US)
EN ROUTE	J45					(US)
EN ROUTE	J79					(US)
EN ROUTE	V159					(US)
EN ROUTE	V225					(US)
EN ROUTE	V295					(US)
EN ROUTE	V3					(US)
EN ROUTE	V51					(US)
EN ROUTE	V537					(US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	NDB RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	NDB-A			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	VOR/DME RWY 14		3	KFPR	FORT PIERCE	FL (US)
IAP	ILS OR LOC RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 14			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 23			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	VOR RWY 11R			KVRB	VERO BEACH	FL (US)
IAP	VOR/DME RWY 29L			KVRB	VERO BEACH	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L		4	KPBI	WEST PALM BEACH	FL (US)

QUALITY 3 CHECKED

STAR	GOOFY		KX04	APOPKA	FL (US)
STAR	CAYSL (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFXE	FORT LAUDERDALE	FL (US)
STAR	SHFTY (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)		KHWO	HOLLYWOOD	FL (US)
STAR	GISSH		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	1	KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1	KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KX51	HOMESTEAD	FL (US)
STAR	FRWAY (RNAV)		K06FA	JUPITER	FL (US)
STAR	ANNEY	1	K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)	5	K07FA	KEY LARGO	FL (US)
STAR	BAIRN (RNAV)		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	1	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)		KOPF	MIAMI	FL (US)
STAR	GISSH		KOPF	MIAMI	FL (US)
STAR	ANNEY	1	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)		KISM	ORLANDO	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KORL	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KSFB	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)		KPMP	POMPANO BEACH	FL (US)
STAR	GISSH		KPMP	POMPANO BEACH	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	FRWAY (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	FRWAY (RNAV)		KPBI	WEST PALM BEACH	FL (US)
STAR	TUXXI		KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX NAME CHANGED FROM VERO BEACH VORTAC TO TREASURE VORTAC.
REMOVED HOLDING FOR LONNI STAR (PAT 4) AND RE-NUMBERED.
CHANGED HOLD PATTERN 3 MAX TEMPLATE FROM 16 TO 5.
CHANGED INBOUND COURSE PAT 2, 3, 4, 5; ADDED 3 DEGREES FOR MAGVAR CHANGE.
CHANGED HOLD PAT 1 INBOUND COURSE FROM 165 TO 167.04 AND MIN ALTITUDE TO 10000.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/16/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: VRB ATCT
OTHER: DAB APP CON/MLB TWR

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VIRGINIA KEY VOR/DME **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 254506.84N/0800915.99W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	VKZ	VOR/DME	120.00	300.00	L	1		2100	6000	4	5
2	SE		WP	120.00	300.00	L		4	2100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG	254532.32N/0801138.27W	1010	4D
1	310	BLDG	254532.32N/0801138.27W	1010	4D
2	200	BLDG	254532.32N/0801138.27W	1010	4D
2	310	BLDG	254532.32N/0801138.27W	1010	4D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUESTED
PAT 2 ATC REQUESTED.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 8R	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Z RWY 9	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Z RWY 12	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 8R	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 9	KMIA	MIAMI	FL (US)

REMARKS:
PAT 1 & 2 CONTROLLING OBSTACLE MAXIMUM PROPOSED BLDG HEIGHT 1010 MSL BY ZONING CODE PER EST FPO.
PRECIPITOUS TERRAIN EVALUATION COMPLETED; PAT 1 AND 2 NO ADJUSTMENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FT. LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	EONNS			KMIA	MIAMI	FL (US)
DP	JONZI (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	MNATE			KMIA	MIAMI	FL (US)
DP	MNATE			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	SKIPS			KMIA	MIAMI	FL (US)
DP	SOUBY			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	FT. LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	AR11					(US)
EN ROUTE	AR17					(US)
EN ROUTE	BR53V					(US)
EN ROUTE	BR64V					(US)
EN ROUTE	BR66V					(US)
EN ROUTE	G430					(US)
EN ROUTE	J20					(US)
EN ROUTE	J45					(US)
EN ROUTE	V159					(US)
EN ROUTE	V295					(US)
EN ROUTE	J113					FL (US)
IAP	ILS OR LOC RWY 27R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9L			KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 9R	1		KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC/DME RWY 13			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 12		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 26L			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R		1	KMIA	MIAMI	FL (US)

IAP	ILS OR LOC RWY 9	1	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 8L	2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 12	2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 8R	2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 9	2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 8R	2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 9	2	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R		KOPF	MIAMI	FL (US)
IAP	LOC RWY 9R	1	KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L		KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R		KTMB	MIAMI	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	GISSH		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY		KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	ANNEY		KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	ANNEY		K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	ANNEY		KMIA	MIAMI	FL (US)
STAR	FLIPR (RNAV)		KMIA	MIAMI	FL (US)
STAR	FOWEE		KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	GISSH		KOPF	MIAMI	FL (US)
STAR	ANNEY		KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	GISSH		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. UPDATED FAC 1 FROM HISTORICAL TO ACTIVE STATUS.

DEVELOPED BY: **DATE:** 03/23/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON
OTHER:

QUALITY 3 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: DOLPHIN VORTAC **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 254759.91N/0802056.53W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	DHP	VORTAC	289.00	109.00	L	1		3000	6000	8	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-000221)	254624.36N/0802516.20W	549	4D
1	310	BLDG (12-005174)	254657.00N/0801125.00W	624	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 27	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 30	KMIA	MIAMI	FL (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED; PAT 1 NO ADJUSTMENT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FT LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	TAKEOFF MINIMUMS			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	FT. LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	A509					(US)
EN ROUTE	AR10					(US)
EN ROUTE	BR49V					(US)
EN ROUTE	G439					(US)
EN ROUTE	J43					(US)
EN ROUTE	J53					(US)
EN ROUTE	J55					(US)
EN ROUTE	J614					(US)
EN ROUTE	J616					(US)
EN ROUTE	J73					(US)
EN ROUTE	J75					(US)
EN ROUTE	J79					(US)
EN ROUTE	J81					(US)
EN ROUTE	J85					(US)
EN ROUTE	V157					(US)
EN ROUTE	V267					(US)
EN ROUTE	V3					(US)
EN ROUTE	V35					(US)
EN ROUTE	V7					(US)
IAP	ILS OR LOC RWY 27R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9L			KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 9R			KFLL	FORT LAUDERDALE	FL (US)
IAP	LOC/DME RWY 13			KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Y RWY 9L			KFLL	FORT LAUDERDALE	FL (US)
IAP	RNAV (RNP) Z RWY 9R			KFLL	FORT LAUDERDALE	FL (US)
IAP	VOR RWY 27R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 8			KFXE	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 12			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 26L			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 30		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9			KMIA	MIAMI	FL (US)

QUALITY CHECKED

IAP	LOC/DME RWY 26R	KMIA	MIAMI	FL (US)
IAP	LOC/DME RWY 8L	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 12	KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R	KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9	KOPF	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L	KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R	KTMB	MIAMI	FL (US)
STAR	BLUFI	KFLL	FORT LAUDERDALE	FL (US)
STAR	FT LAUDERDALE	KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI	KHST	HOMESTEAD	FL (US)
STAR	BLUFI	KHST	HOMESTEAD	FL (US)
STAR	BLUFI	K07FA	KEY LARGO	FL (US)
STAR	BLUFI	KMIA	MIAMI	FL (US)
STAR	CYPRESS	KMIA	MIAMI	FL (US)
STAR	DVALL	KMIA	MIAMI	FL (US)
STAR	FOWEE	KMIA	MIAMI	FL (US)
STAR	BLUFI	KOPF	MIAMI	FL (US)
STAR	BLUFI	KTMB	MIAMI	FL (US)
STAR	BLUFI	KPMP	POMPANO BEACH	FL (US)
STAR	FT LAUDERDALE	KPMP	POMPANO BEACH	FL (US)
STAR	GULLO (RNAV)	KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED LAT/LONGS.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** 01/11/2012 **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON/MIA ATCT
OTHER:

QUALITY CHECKED