

RADIO FIX AND HOLDING DATA RECORD

NAME: BEAUX

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 285812.71N/0795829.19W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:
USE TYPE**

USE TITLE

FAC PAT

AIRPORT IDENT CITY

STATE

STAR	ALYNA (RNAV)			KLEE	LEESBURG	FL (US)
STAR	ALYNA (RNAV)			KISM	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KMCO	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KORL	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KSFB	ORLANDO	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/16/20.
1. CHANGED ALL FIX USE REFERENCES FROM ALINA TO ALYNA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: **ALLAN WILL**

Mar 04, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: TPA APP CON

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BORST

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 275501.42N/0822500.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
DADES (RNAV)

FAC PAT

AIRPORT IDENT CITY
KTPA TAMPA

STATE
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

Digitally signed by

SIGNATURE: **ALLAN WILL**

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CAMKO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 283320.85N/0810948.09W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC PAT

AIRPORT IDENT

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KTPA TAMPA
KVDF TAMPA

CITY

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DADES STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 282145.62N/0821507.80W TYPE: WP, INT, DME

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	MRA	MAA
1	ST PETERSBURG	PIE	VORTAC	H	045.00	040.00	35.59	35.59	5000	17500
2	LAKELAND	LAL	VORTAC	H	329.77	330.77	25.83	25.83	1800	17500
3	GATORS	GNV	VORTAC	L	183.21	179.21	79.57	79.57	7000	17500
4	ORLANDO	ORL	VORTAC	H	257.70	257.70	49.69	49.69	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GNV	VORTAC	R-183	80	7000	17500
ORL	VORTAC	R-258	50	7000	14500

FIX RESTRICTIONS:

MRA V7-521 5000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	LAL	VORTAC	329.77	149.77	R	1	3000 6000	6 7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002115)	283018.09N/0822051.65W	714	1A

HOLDING RESTRICTIONS:

TACAN HOLDING NOT AUTHORIZED PAT 1 - TACAN AZIMUTH UNUSABLE 321-339 BLO 6000.
 HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 MRA FLAG BASED ON FLIGHT CHECK EVAL RESTRICTING PIE RECEPTION TO 5000.
 ST PETERSBURG (FAC1) AND LAKELAND (FAC2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V521	1, 2				FL (US)
EN ROUTE	V581	1, 2				FL (US)
EN ROUTE	V7	1, 2				FL (US)
IAP	ILS OR LOC RWY 9	2	1	KBKV	BROOKSVILLE	FL (US)
IAP	RNAV (GPS) RWY 1			KINF	INVERNESS	FL (US)
IAP	RNAV (GPS) RWY 22			KTPF	TAMPA	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	LZARD	1, 3, 4		KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

UPDATED FIX USE, ADDED STAR DADES (RNAV) TO KMCF, KPIE, KVDF.
 ADDED CONTROLLER LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

Digitally signed by

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: ALLAN WILL

Mar 04, 2021

QUALITY
14
CHECKED

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZJX, ZMA
 ATC FACILITY: TPA APP CON, BKV ATCT
 OTHER: ZMA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRUDJ

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284249.75N/0810705.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC PAT

AIRPORT IDENT

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KTPA TAMPA
KVDF TAMPA

CITY

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420
Digitally signed by

NAME: MARLON ROBINSON

SIGNATURE: **ALLAN WILL**

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EDISN STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 292414.67N/0822013.11W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	N		WP	359.01	179.01	L	10	12000	26000	15	21	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	TOWER (12-001966)	292133.00N/0821942.00W	1048	3C

REASON FOR NONSTANDARD HOLDING:
 PAT 1 ATC REQUEST.

REMARKS:
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:	USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR		DADES (RNAV)		1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR		DADES (RNAV)		1	KMCF	TAMPA	FL (US)
STAR		DADES (RNAV)		1	KTPA	TAMPA	FL (US)
STAR		DADES (RNAV)		1	KVDF	TAMPA	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:
 ADDED PAT 1 HOLDING DATA.
 UPDATED FIX USE, ADDED PAT 1 USAGE FOR ALL.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: PHILLIP BRANDENBURG
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE:		<i>Digitally signed by</i> ALLAN WILL Mar 04, 2021	
DISTRIBUTION:	NFDC FPO: EST ARTCC: ZJX ATC FACILITY: TPA APP CON OTHER: ZMA		

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GSPAR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281914.63N/0821505.82W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KVDF TAMPA

FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

DISTRIBUTION:

NFDC
FPO: EST Mar 04, 2021
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIBAC

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 290538.63N/0793404.65W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	AR15					(US)
EN ROUTE	AR17					(US)
EN ROUTE	AR6					(US)
STAR	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KRSW	FORT MYERS	FL (US)
STAR	ALYNA (RNAV)			KLEE	LEESBURG	FL (US)
STAR	CWRLD (RNAV)			KLEE	LEESBURG	FL (US)
STAR	SHFTY (RNAV)			KMKY	MARCO ISLAND	FL (US)
STAR	SHFTY (RNAV)			KAPF	NAPLES	FL (US)
STAR	ALYNA (RNAV)			KISM	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KMCO	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KORL	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KORL	ORLANDO	FL (US)
STAR	ALYNA (RNAV)			KSFB	ORLANDO	FL (US)
STAR	CWRLD (RNAV)			KSFB	ORLANDO	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

UPDATED FIX USE, ADDED DADES (RNAV) FOR KTPA, KMCF, KPIE, KVDF, ADDED ALINA (RNAV) FOR KMCO, KORL, KISM, KLEE, KFSB. ADDED CONTROLLER HIGH, EN ROUTE LOW, CONTROLLER LOW TO REQUIRED CHARTING.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/16/20.

1. CHANGED ALL FIX USE REFERENCES FROM ALINA TO ALYNA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

Digitally signed by

SIGNATURE:

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: ZJX, MCO APP CON, MCO ATCT

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HNING

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 282700.12N/0815537.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC PAT

AIRPORT IDENT

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KTPA TAMPA
KVDF TAMPA

CITY

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

Digitally signed by

SIGNATURE: **ALLAN WILL**

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: TPA APP CON
OTHER: ZMA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUNKR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 300705.07N/0822418.74W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	338.74	158.74	R	10	18000	26000	15	21

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JAFAR (RNAV)		1	KISM	ORLANDO	FL (US)
STAR	JAFAR (RNAV)		1	KMCO	ORLANDO	FL (US)
STAR	JAFAR (RNAV)		1	KORL	ORLANDO	FL (US)
STAR	DADES (RNAV)		1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)		1	KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)		1	KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)		1	KVDF	TAMPA	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

12/15/20. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/17/20.
 1. ADDED HOLDING RESTRICTION HOLDING LIMITED TO ESTABLISHED PATTERN.
 2. ADDED REMARK PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 3. ADDED CONTROLLER LOW, ENROUTE LOW TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC

FPO: ATL

ARTCC: ZJX

ATC FACILITY: TPA APP CON

OTHER: ZMA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAYJA STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 293512.71N/0822131.98W TYPE: WP, INT, DME

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	MRA	MAA
1	TAYLOR	TAY	VORTAC	H	172.53	169.53	55.86	55.86	15000	45000
2	CROSS CITY	CTY	VORTAC	L	092.98	090.98		36.10	15000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CTY	VORTAC	R-093	37	18000	45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

TAYLOR (FAC 1) AND CROSS CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JETIN (RNAV)			KJAX	JACKSONVILLE	FL (US)
STAR	LZARD	1, 2		KSPG	ST PETERSBURG	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	LZARD	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	LZARD	1, 2		KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	LZARD	1, 2		KTPA	TAMPA	FL (US)
STAR	LZARD	1, 2		KTPF	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)
STAR	LZARD	1, 2		KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

ADDED EN ROUTE HIGH/LOW, CONTROLLER HIHG/LOW TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: PHILLIP BRANDENBURG
 APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON
 SIGNATURE: *Digitally signed by*
ALLAN WILL
 Mar 04, 2021

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX, ZMA
 ATC FACILITY: TPA APP CON, JAX APP CON
 OTHER: ZMA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NICCK

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 291116.48N/0811010.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SNFLD (RNAV)			KISM	ORLANDO	FL (US)
STAR	SNFLD (RNAV)			KMCO	ORLANDO	FL (US)
STAR	DADES (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)			KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)			KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)			KVDF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

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ALLAN WILL

DISTRIBUTION:

NFDC

Mar 04, 2021

FPO: EST

ARTCC: ZJX

ATC FACILITY: TPA APP CON

OTHER: ZMA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLENE STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 284423.26N/0821528.85W TYPE: WP, INT, DME

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	MRA	MAA
1	GATORS	GNV	VORTAC	L	183.21	179.21	57.00	57.00	7000	23000
2	ORLANDO	ORL	VORTAC	H	283.83	283.83		50.13	7000	23000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GNV	VORTAC	R-183	57	5000	23000
ORL	VORTAC	R-284	51	5000	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N	GNV	VORTAC	183.21	183.21	L	1-1 1/2	7000 23000	10 21
2	N	WP	WP	359.02	179.02	L	10	12000 26000	15 21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-003503)	283652.00N/0821254.00W	545	5D
2	230	AAO	284215.00N/0822203.00W	400	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC CONTROL REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

GATORS (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	LZARD	1, 2	1	KSPG	ST PETERSBURG	FL (US)
STAR	DADES (RNAV)		2	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)		2	KMCF	TAMPA	FL (US)
STAR	LZARD	1, 2	1	KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)		2	KTPA	TAMPA	FL (US)
STAR	LZARD	1, 2	1	KTPA	TAMPA	FL (US)
STAR	LZARD	1, 2	1	KTPF	TAMPA	FL (US)
STAR	DADES (RNAV)		2	KVDF	TAMPA	FL (US)
STAR	LZARD	1, 2	1	KVDF	TAMPA	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

CHANGED PAT 2 CRS INBOUND FROM 184.23 TO 179.02, DME FROM 7 TO 10, MAX ALT FROM 23000 TO 26000, MIN/MAX TEMPLATE FROM 10/20 TO 15/21.
 ADDED CONTROLLER LOW, EN ROUTE LOW TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: PHILLIP BRANDENBURG

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*
ALLAN WILL

DISTRIBUTION: NFDC
 FPO: EST
 ARTCC: ZJX, ZMA
 ATC FACILITY: TPA APP CON
 Mar 04, 2021

QUALITY
 14
 CHECKED

OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROSTR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 282920.92N/0811927.98W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC

PAT

AIRPORT IDENT

KPIE
KMCF
KTPA
KVDF

CITY

ST PETERSBURG-CLEARWATER
TAMPA
TAMPA
TAMPA

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WORAK

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284229.13N/0804631.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC PAT

AIRPORT IDENT

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KTPA TAMPA
KVDF TAMPA

CITY

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZINGR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 284648.22N/0803438.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E		WP	075.42	255.42	L	10	18000 26000	17 21

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	DADES (RNAV)		1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DADES (RNAV)		1	KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)		1	KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)		1	KVDF	TAMPA	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*
ALLAN WILL

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

Mar 04, 2021

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOPER

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 283857.39N/0805610.65W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)
STAR DADES (RNAV)

FAC PAT

AIRPORT IDENT

KPIE ST PETERSBURG-CLEARWATER
KMCF TAMPA
KTPA TAMPA
KVDF TAMPA

CITY

STATE

FL (US)
FL (US)
FL (US)
FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: PHILLIP BRANDENBURG

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

Digitally signed by

SIGNATURE:

ALLAN WILL

Mar 04, 2021

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON
OTHER:

QUALITY
14
CHECKED