

RADIO FIX AND HOLDING DATA RECORD

NAME: PALM BEACH VORTAC STATE: FL COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264048.20N/0800511.36W 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 FEET	MRA	MAA
1	PALM BEACH	PBI	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
2	N	PBI	VORTAC	343.24	163.24	L	1	13000 45000	10 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
2	230	TOWER (12-002502)	264759.72N/0800431.74W	541	1A

REASON FOR NONSTANDARD HOLDING:

PAT 2 AIR TRAFFIC

HOLDING RESTRICTIONS:

PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER (PAT 1 FL300) OVER W-497.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: W3 EPOCH YR: 1985

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT 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	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	FORT 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	V3					(US)
EN ROUTE	V492					(US)
EN ROUTE	V531					(US)
EN ROUTE	V537					(US)
IAP	RNAV (GPS) Y RWY 23			KBCT	BOCA RATON	FL (US)
IAP	ILS OR LOC RWY 10L			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 10R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 28R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9			KFXE	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 15			KPMP	POMPANO BEACH	FL (US)
IAP	RNAV (GPS) RWY 30			KSUA	STUART	FL (US)
IAP	ILS OR LOC RWY 9R			F45	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)
SPECIAL IAP	ILS OR LOC RWY 9			06FA	JUPITER	FL (US)
STAR	GOOFY			X04	APOPKA	FL (US)
STAR	TTYLR			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		2	KHST	HOMESTEAD	FL (US)
STAR	BLUFI			KHST	HOMESTEAD	FL (US)
STAR	ANNEY		2	X51	HOMESTEAD	FL (US)
STAR	BLUFI			X51	HOMESTEAD	FL (US)
STAR	TTYLR			06FA	JUPITER	FL (US)

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STAR	ANNEY	2	07FA	KEY LARGO	FL (US)
STAR	BLUF		07FA	KEY LARGO	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	2	KMIA	MIAMI	FL (US)
STAR	BLUF		KMIA	MIAMI	FL (US)
STAR	BLUF		KOPF	MIAMI	FL (US)
STAR	ANNEY	2	KTMB	MIAMI	FL (US)
STAR	BLUF		KTMB	MIAMI	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUF		KPMP	POMPANO BEACH	FL (US)
STAR	TTYLR		KSUA	STUART	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	TTYLR		F45	WEST PALM BEACH	FL (US)
STAR	TTYLR		KLNA	WEST PALM BEACH	FL (US)
STAR	TTYLR		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

UPDATED FIX USE: ADDED TTYLR STAR AND ASSOCIATED AIRPORTS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ALLAN WILL

May 16, 2022

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RACNO STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 264024.83N/0812928.08W 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	LEE COUNTY	RSW	VORTAC	L	062.62	060.62	17.56	17.56	3000	17500
2	PUNTA GORDA	PGD	VOR	T	124.34	118.34		30.54	3000	12000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PGD	VOR	R-124	31	3000	12000

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	NW		WP	298.30	118.30	R		10	18000	22000	17	19
2	NW	PGD	VOR	304.34	124.34	R	1		3000	12000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-000988)	264802.70N/0814546.20W	1549	4D
2	200	TOWER (12-127810)	264213.92N/0812618.40W	346	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 LEE COUNTY (FAC1) AND PUNTA GORDA (FAC2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TTYLR	1, 2	2	KBCT	BOCA RATON	FL (US)
STAR	VUUDU (RNAV)		1	KBCT	BOCA RATON	FL (US)
STAR	TTYLR	1, 2	2	06FA	JUPITER	FL (US)
STAR	VUUDU (RNAV)		1	06FA	JUPITER	FL (US)
STAR	TTYLR	1, 2	2	KSUA	STUART	FL (US)
STAR	VUUDU (RNAV)		1	KSUA	STUART	FL (US)
STAR	TTYLR	1, 2	2	F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)		1	F45	WEST PALM BEACH	FL (US)
STAR	TTYLR	1, 2	2	KLNA	WEST PALM BEACH	FL (US)
STAR	TTYLR	1, 2	2	KPBI	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)		1	KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

ADDED PAT 2 AND ASSOCIATED DATA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

May 16, 2022

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ST PETERSBURG VORTAC STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 275427.95N/0824103.51W 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 FEET	MRA	MAA
1	ST PETERSBURG	PIE	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N	PIE	VORTAC	344.22	164.22	R	1	2700 6000	4 5
2	W	PIE	VORTAC	276.00	096.00	R	1	2000 6000	4 5
3	N		WP	337.97	157.97	R		2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002427)	275646.00N/0824710.00W	378	5D
2	200	TOWER (12-002201)	275201.58N/0823725.87W	660	1A
2	310	TOWER (12-002201)	275201.58N/0823725.87W	660	1A
3	200	TOWER (12-002427)	275646.00N/0824710.00W	378	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS RWY 1L (SA CAT I)	KTPA	TAMPA	FL (US)
2	ILS RWY 1L (CAT II & III)	KTPA	TAMPA	FL (US)
2	ILS OR LOC RWY 1L	KTPA	TAMPA	FL (US)
2	ILS OR LOC RWY 19R	KTPA	TAMPA	FL (US)

REMARKS:

ASSIGNED FACILITY MAGVAR: 5W (2010).
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALICO			KRSW	FORT MYERS	FL (US)
DP	MOOKY			KRSW	FORT MYERS	FL (US)
DP	SCUBY			KRSW	FORT MYERS	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	NAPLES			KAPF	NAPLES	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	SARASOTA			KSRQ	SARASOTA/BRADENTON	FL (US)
DP	ST PETE			KPIE	ST PETERSBURG/CLEARWATER	FL (US)
DP	LGTNG			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
EN ROUTE	Q104					(US)
EN ROUTE	V152					(US)
EN ROUTE	V35					(US)
EN ROUTE	V441					(US)
EN ROUTE	V509					(US)
EN ROUTE	V533					(US)
EN ROUTE	V579					(US)
EN ROUTE	V581					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 9			KBKV	BROOKSVILLE	FL (US)
IAP	ILS OR LOC RWY 10			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 10 (SA CAT I & II)			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 27			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 9			KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 10			KPCM	PLANT CITY	FL (US)
IAP	RNAV (GPS) RWY 14			KSRQ	SARASOTA (BRADENTON)	FL (US)
IAP	ILS OR LOC RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	ILS OR LOC RWY 32			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 22			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	VOR RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 18		3	KSPG	ST PETERSBURG	FL (US)
IAP	RNAV (GPS) RWY 7			KSPG	ST PETERSBURG	FL (US)
IAP	VOR RWY 18		1	KSPG	ST PETERSBURG	FL (US)
IAP	ILS OR LOC RWY 18			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 36			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I & II)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)

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IAP	NORTH BAY VISUAL RWY 18		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) RWY 18		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) RWY 36		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 36		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 4		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR-B		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 19L		KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 19R	2	KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 1L	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (CAT II)		KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (SA CAT I)		KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (CAT II & III)	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (SA CAT I)	2	KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 10		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 19R		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 1L		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 28		KTPA	TAMPA	FL (US)
IAP	LOC RWY 1R		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 22		KTPF	TAMPA	FL (US)
IAP	ILS OR LOC RWY 23	2	KVDF	TAMPA	FL (US)
STAR	TTYLR		KBCT	BOCA RATON	FL (US)
STAR	BRDGE		KCLW	CLEARWATER	FL (US)
STAR	FORTL		KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL		KFXE	FORT LAUDERDALE	FL (US)
STAR	JOSFF		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	JOSFF		KRSW	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KRSW	FORT MYERS	FL (US)
STAR	FORTL		KHWO	HOLLYWOOD	FL (US)
STAR	PALMZ		KHST	HOMESTEAD	FL (US)
STAR	PALMZ		X51	HOMESTEAD	FL (US)
STAR	TTYLR		06FA	JUPITER	FL (US)
STAR	PALMZ		07FA	KEY LARGO	FL (US)
STAR	MINEE		KLEE	LEESBURG	FL (US)
STAR	ZEILR		KMKY	MARCO ISLAND	FL (US)
STAR	MINEE		KCOI	MERRITT ISLAND	FL (US)
STAR	PALMZ		KMIA	MIAMI	FL (US)
STAR	FORTL		KOPF	MIAMI	FL (US)
STAR	PALMZ		KOPF	MIAMI	FL (US)
STAR	PALMZ		KTMB	MIAMI	FL (US)
STAR	ZEILR		KAPF	NAPLES	FL (US)
STAR	MINEE		KISM	ORLANDO	FL (US)
STAR	MINEE		KMCO	ORLANDO	FL (US)
STAR	MINEE		KORL	ORLANDO	FL (US)
STAR	MINEE		KSFB	ORLANDO	FL (US)
STAR	FORTL		KPMP	POMPANO BEACH	FL (US)
STAR	BRDGE		KSPG	ST PETERSBURG	FL (US)
STAR	DARBS		KSPG	ST PETERSBURG	FL (US)
STAR	LZARD		KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DARBS		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	LZARD		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	TTYLR		KSUA	STUART	FL (US)
STAR	BRDGE		KMCF	TAMPA	FL (US)
STAR	DARBS		KMCF	TAMPA	FL (US)
STAR	LZARD		KMCF	TAMPA	FL (US)
STAR	BRDGE		KTPA	TAMPA	FL (US)
STAR	DARBS		KTPA	TAMPA	FL (US)
STAR	LZARD		KTPA	TAMPA	FL (US)
STAR	BRDGE		KTPF	TAMPA	FL (US)
STAR	DARBS		KTPF	TAMPA	FL (US)
STAR	LZARD		KTPF	TAMPA	FL (US)
STAR	BRDGE		KVDF	TAMPA	FL (US)
STAR	LZARD		KVDF	TAMPA	FL (US)
STAR	MINEE		KTIX	TITUSVILLE	FL (US)
STAR	TTYLR		F45	WEST PALM BEACH	FL (US)
STAR	TTYLR		KLNA	WEST PALM BEACH	FL (US)
STAR	TTYLR		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 30

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

UPDATED FIX USE: ADDED TTYLR STAR AND ASSOCIATED AIRPORTS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 07/14/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

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ALLAN WILL

May 16, 2022

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