| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: STAR | Date Open: 05/05/2010 | Task #: 2008041414764711003 | Request #: 20080414147647 |
|---|---|---|---|---|---|
| Procedure: STAR GOOFY SIX ORLANDO FL KMCO | | Airport ID: KMCO | Airport: ORLANDO INTL | | Reimbursable #: |
| City: ORLANDO | ST: FL | GPS #: | | Estimated Chart Date: 09/20/2012 | FICO #: |
| Fac ID: | Fac. Type: Proc TR | Specialist: WES COMBS(Contractor) | | | |

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| Lead: | 02/08/2012 | 06/19/2012 | STEVEN SZUKALA | |
| QA: | 06/19/2012 | 06/19/2012 | STEVEN SZUKALA | |
| Liaison: | 06/19/2012 | | Al Fonse | |

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

pg 5 of 6

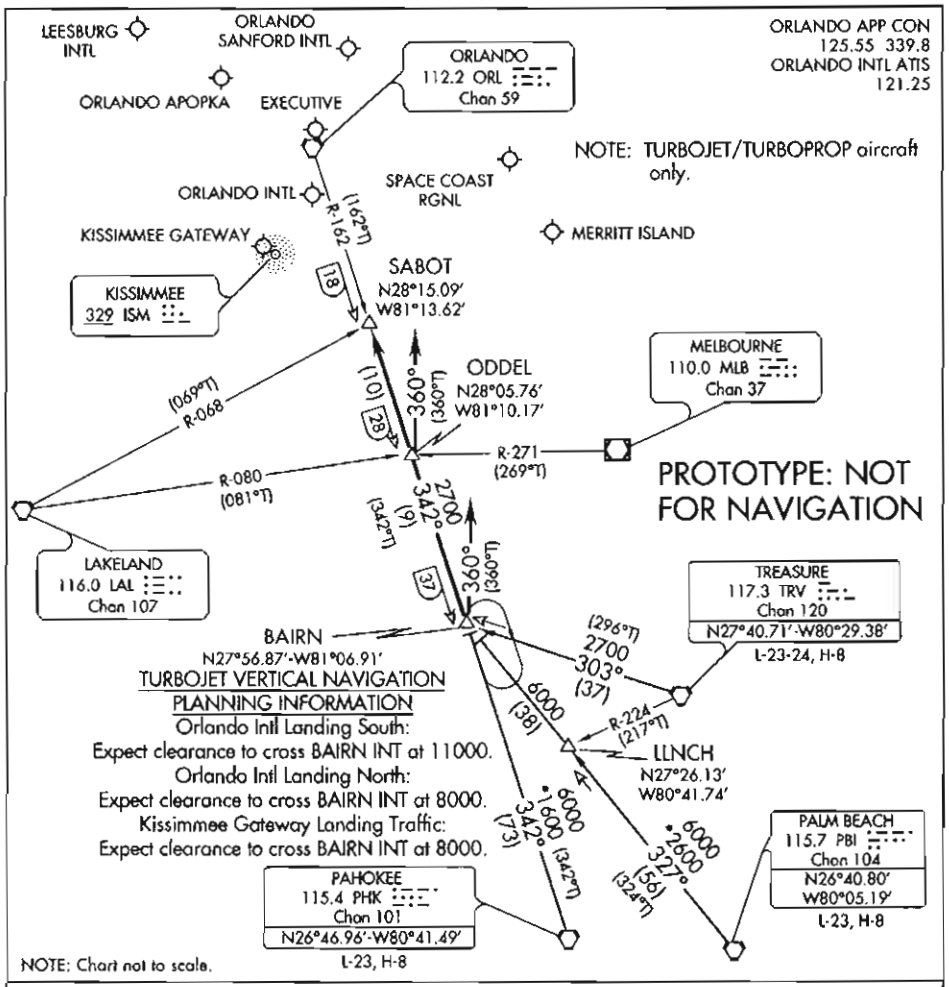
ORLANDO, FL ORLANDO INTL (KMCO) GOOFY SIX (STAR) ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: 7100-4; 7100-3; 8260-2(S): LLNCH-INT, REV 3; ODDEL-INT, REV 4; PAHOKEE (PHK) VTAC, REV 10; PALM BEACH (PBI) VTAC, REV 11; SABOT-INT, REV 8; (INFO ONLY) BAIRN-INT, REV 10; TREASURE (TRV) VTAC, REV 16.

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

# GOOFY SIX ARRIVAL

ORLANDO, FLORIDA




PAHOKEE TRANSITION (PHK.GOOFY6): From over PHK VORTAC via PHK R-342 to BAIRN INT. Thence. . . .

PALM BEACH TRANSITION (PBI.GOOFY6): From over PBI VORTAC via PBI R-327 to BAIRN INT. Thence. . . .

TREASURE TRANSITION (TRV.GOOFY6): From over TRV VORTAC via TRV R-303 to BAIRN INT. Thence. . . .

ORLANDO INTL:

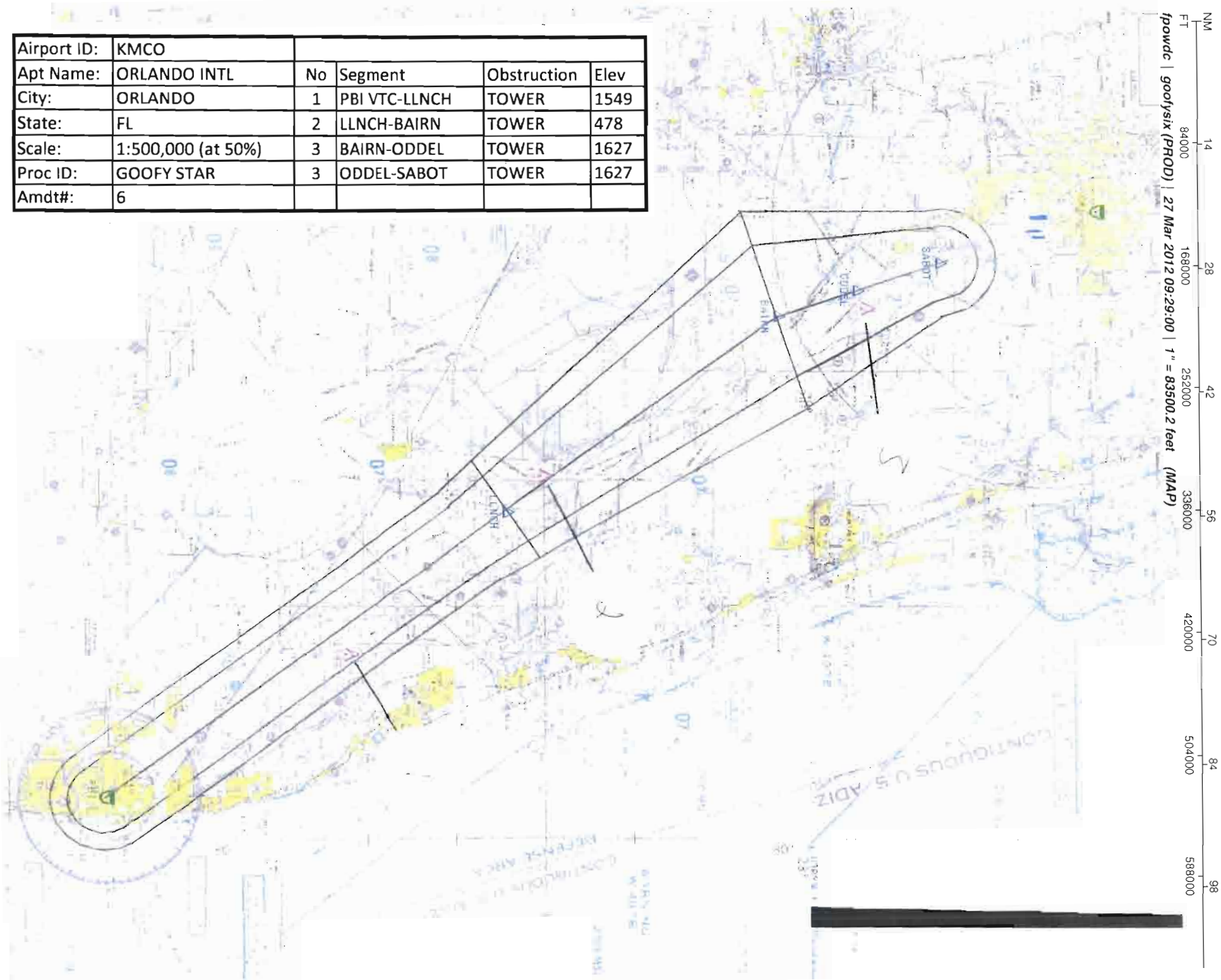
. . . .RWY 17/18: From over BAIRN INT on ORL VORTAC R-162 to ODDEL INT. Depart ODDEL INT heading 360° for vector to final approach course.

. . . .RWY 35/36: Depart BAIRN INT heading 360° for vector to final approach course.

LEESBURG INTL: . . . .From over BAIRN INT on ORL VORTAC R-162 to SABOT INT. Expect RADAR vectors to the airport.

ALL OTHER AIRPORTS: . . . .From over BAIRN INT on ORL VORTAC R-162 to SABOT INT. Expect RADAR vectors to final approach course.

| Airport ID: | KMCO | | | | |
|---|---|---|---|---|---|
| Apt Name: | ORLANDO INTL | No | Segment | Obstruction | Elev |
| City: | ORLANDO | 1 | PBI VTC-LLNCH | TOWER | 1549 |
| State: | FL | 2 | LLNCH-BAIRN | TOWER | 478 |
| Scale: | 1:500,000 (at 50%) | 3 | BAIRN-ODDEL | TOWER | 1627 |
| Proc ID: | GOOFY STAR | 3 | ODDEL-SABOT | TOWER | 1627 |
| Amdt#: | 6 | | | | |



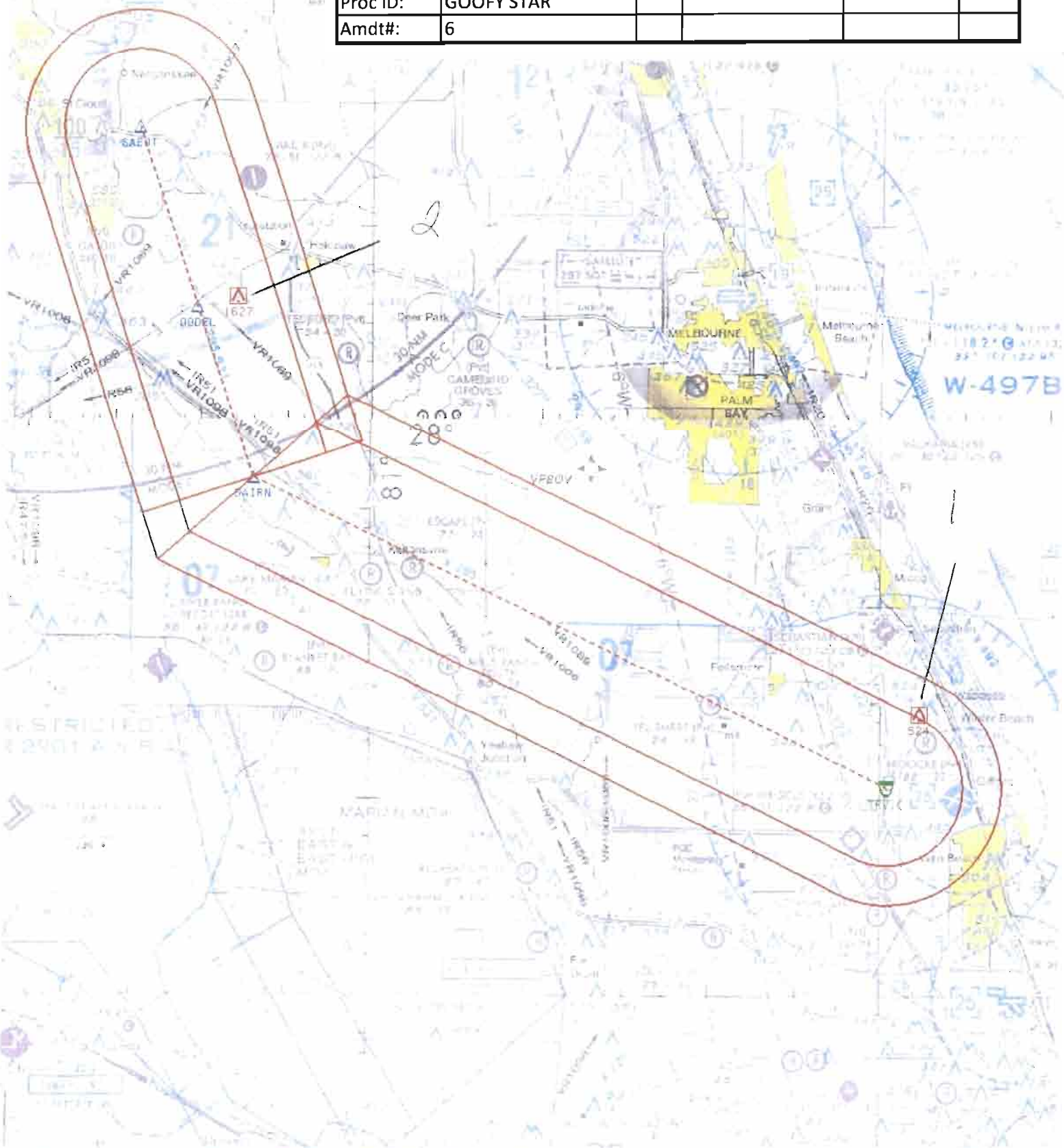
| Airport ID: | KMCO | | | | |
|---|---|---|---|---|---|
| Apt Name: | ORLANDO INTL | No | Segment | Obstruction | Elev |
| City: | ORLANDO | 1 | PHK VTC-BAIRN | TOWER | 560 |
| State: | FL | 2 | BAIRN-ODDEL | TOWER | 1627 |
| Scale: | 1:500,000 (at 50%) | 2 | ODDEL-SABOT | TOWER | 1627 |
| Proc ID: | GOOFY STAR | | | | |
| Amdt#: | 6 | | | | |

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

*fpowdc | goofysix (PROD) | 26 Mar 2012 17:00:18 | 1" = 41666.7 feet (MAP)*

| Airport ID: | KMCO | | | | |
|---|---|---|---|---|---|
| Apt Name: | ORLANDO INTL | No | Segment | Obstruction | Elev |
| City: | ORLANDO | 1 | TRV VTC-BAIRN | TOWER | 524 |
| State: | FL | 2 | BAIRN-ODDEL | TOWER | 1627 |
| Scale: | 1:500,000 | 2 | ODDEL-SABOT | TOWER | 1627 |
| Proc ID: | GOOFY STAR | | | | |
| Amdt#: | 6 | | | | |



| Airport ID: | KMCO | | | | |
|---|---|---|---|---|---|
| Apt Name: | ORLANDO INTL | No | Segment | Obstruction | Elev |
| City: | ORLANDO | # | BAIRN HOLDING | TOWER | 441 |
| State: | FL | | | | |
| Scale: | 1:500,000 | | | | |
| Proc ID: | GOOFY STAR | | | | |
| Amdt#: | 6 | | | | |

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 |
|---|---|---|---|---|---|---|---|---|
| PALM BEACH | PBI.GOOFY6 | PBI VORTAC<br>LLNCH INT | LLNCH INT<br>BAIRN INT | 327.30/55.74 (PBI R-327)<br>327.30/37.94 (PBI R-327) | 6000<br>6000 | 2600 | | |
| PAHOKEE | PHK.GOOFY6 | PHK VORTAC | BAIRN INT | 342.11/73.29 (PHK R-342) | 6000 | 1600 | | |
| TREASURE | TRV.GOOFY6 | TRV VORTAC | BAIRN INT | 303.00/36.97 (TRV R-303) | 2700 | | | |

**(2) Arrival Route Description:**

ORLANDO INTL: ...RWY 17/18: FROM OVER BAIRN INT ON ORL VORTAC R-162 TO ODDEL INT. DEPART ODDEL INT HEADING 360 FOR VECTOR TO FINAL APPROACH COURSE. ...RWY 35/36: DEPART BAIRN INT HEADING 360 FOR VECTOR TO FINAL APPROACH COURSE.

LEESBURG REGIONAL: ...FROM OVER BAIRN INT ON ORLVORTAC R-162 TO SABOT INT. EXPECT RADAR VECTORS TO THE AIRPORT.

ALL OTHER AIRPORTS: ...FROM OVER BAIRN INT ON ORL VORTAC R-162 TO SABOT INT. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**(3) Procedural Data Notes:**

TURBOJET VERTICAL NAVIGATION PLANNING INFORMATION:

ORLANDO INTL LANDING SOUTH: EXPECT CLEARANCE TO CROSS BAIRN INT AT 11000.

ORLANDO INTL LANDING NORTH: EXPECT CLEARANCE TO CROSS BAIRN INT AT 8000.

KISSIMMEE GATEWAY LANDING TRAFFIC: EXPECT CLEARANCE TO CROSS BAIRN INT AT 8000.

FOR TURBOJET/TURBOPROP AIRCRAFT ONLY.

**(4) Fixes and/or Holding Patterns:**

CHART HOLDING AT BAIRN INT (HOLD S, RT, 341.82 INBOUND).

QUALITY CHECKED 1

**(5) Communications:**

ORLANDO APPROACH CONTROL 125.55/339.8, ORLANDO INTL ATIS 121.25.

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-4 (7/02)

| (12) Airports Served | |
|---|---|
| Airport Name: ORLANDO INTL | City/State: ORLANDO, FL |
| Airport Name: EXECUTIVE | City/State: ORLANDO, FL |
| Airport Name: ORLANDO APOPKA | City/State: APOPKA, FL |
| Airport Name: ORLANDO SANFORD INTL | City/State: ORLANDO, FL |
| Airport Name: LEESBURG INTL | City/State: LEESBURG, FL |
| Airport Name: KISSIMMEE GATEWAY | City/State: ORLANDO, FL |

**(13) Lost Communications Procedure:**

**(14) Remarks:**

**(15) Additional Flight Data:**

CHART BAIRN INT TO ORL VORTAC, MEA 2700. CHART MLB VOR/DME, LAL VORTAC, AND ISM NDB.

QUALITY CHECKED

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-4 (7/02)

**(16) Continuation:**

(12) ADDITIONAL AIRPORTS SERVED:

| | |
|---|---|
| MERRITT ISLAND | MERRITT ISLAND, FL |
| SPACE COAST RGNL | TITUSVILLE, FL |

**(17) Changes:**

1. VRB VORTAC CHANGED TO TRV VORTAC; VERO BEACH TRANSITION CHANGED TO TREASURE TRANSITION.
2. TRV MAG VAR CHANGED FROM 4 TO 7 DEGREES.
3. NOTE ADDED FOR TURBOJET/TURBOPROP AIRCRAFT ONLY.
4. UHF FREQUENCY CHANGED FROM 338.2 TO 339.8.
5. REMOVED VKZ VOR/DME FROM CHARTING; INTERSECTION MADE UP FROM TRV VORTAC AND PBI VORTAC.
6. CHANGED BAIRN TO ORL VORTAC MEA FROM 2600 T0 2700.

**(18) Reasons for Changes:**

1-2. VERO BEACH VORTAC CHANGED NAME TO TREASURE VORTAC – UPDATED MAGVAR.
3. ATC REQUEST.
4. CHANGED UHF FREQUENCY ON FORM TO MATCH UHF FREQUENCY ON GOOFY 5 GRAPHIC.
5. IAW 8260.3 PARA 1761.
6. NEW CONTROLLING OBSTACLE.

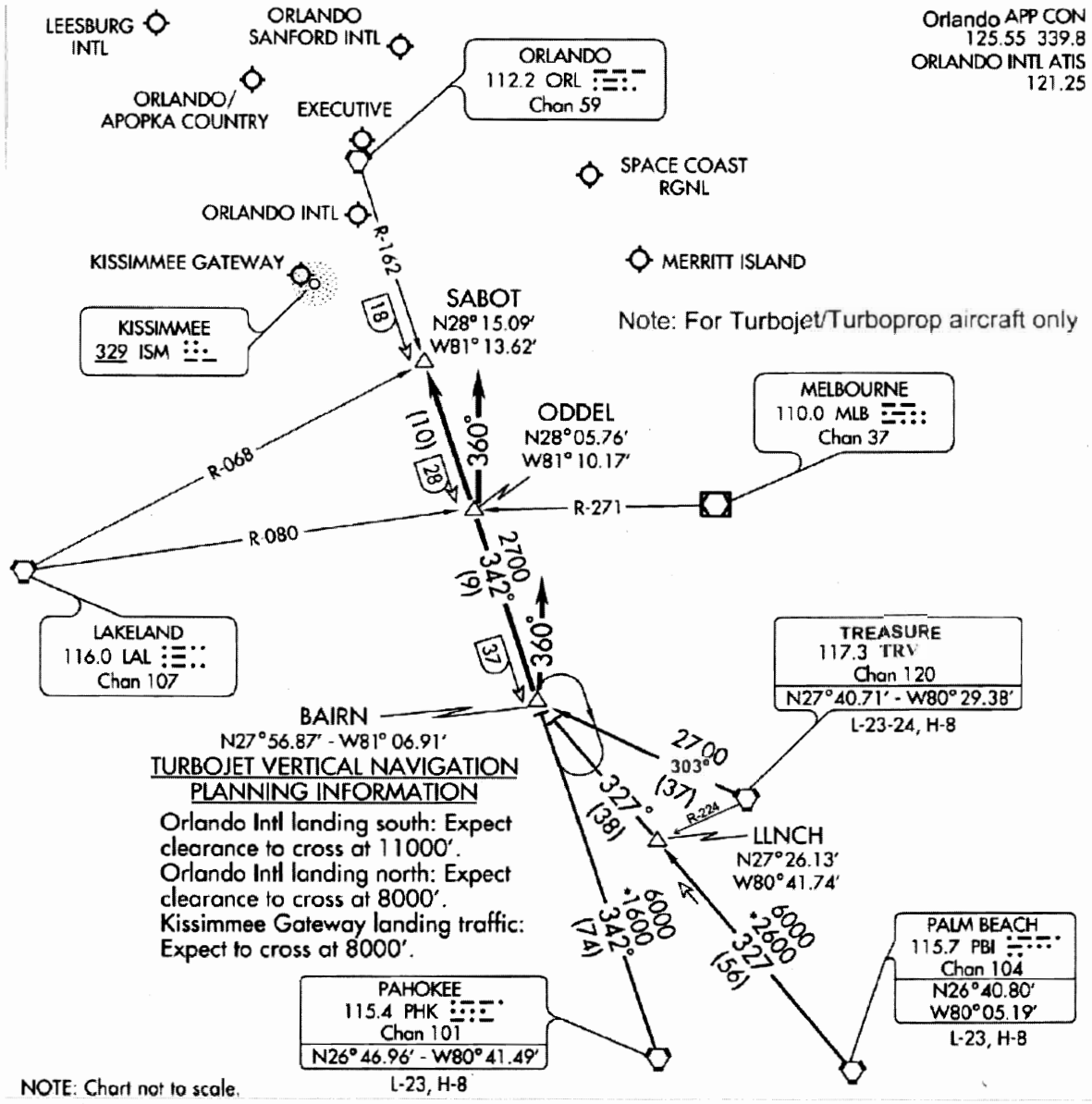
| | Name *(Typed and Signed)*, Title and Organization | | DATE |
|---|---|---|---|
| **Developed By** | SCOTT A. BRONGER | | |
| **Approved** | **FIFO** | | |
| | **Reg. ATD** | | |

QUALITY CHECK

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-4 (7/02)

**(19) Graphic Depiction:**




QUALITY CHECKED

| (6) Arrival Name | (7) Number | (8) STAR Computer Code | (9) Superseded Nr. | (10) Dated | (11) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-4 (7/02)

**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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   ODDEL K70    C   L N28054551W081101024                      W0059     NAR           ODDEL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7AMCO     0     120YHN28254582W081183238W006000096         1800018000C    MNAR    ORLANDO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP KMCOK7EGOOFY61PBI   020LLNCHK7EA0E       TF                    32730557
        SUSAP KMCOK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                    32730379
        SUSAP KMCOK7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP KMCOK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                    34210733
        SUSAP KMCOK7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP KMCOK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                    30300370
        SUSAP KMCOK7EGOOFY63RW17B 010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KMCOK7EGOOFY63RW17B 020ODDELK7EA0E       TF                    3420
        SUSAP KMCOK7EGOOFY63RW17B 030KMCO K7PA0AE      VM                    3600
        SUSAP KMCOK7EGOOFY63RW18B 010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KMCOK7EGOOFY63RW18B 020ODDELK7EA0E       TF                    3420
        SUSAP KMCOK7EGOOFY63RW18B 030KMCO K7PA0AE      VM                    3600
        SUSAP KMCOK7EGOOFY63RW35B 010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KMCOK7EGOOFY63RW35B 020KMCO K7PA0AE      VM                    3600
        SUSAP KMCOK7EGOOFY63RW36B 010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KMCOK7EGOOFY63RW36B 020KMCO K7PA0AE      VM                    3600
```

QUALITY 1 CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-3 (9/02)

**US Department of Transportation**
**Federal Aviation Administration**

## STAR (Data Record)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7GRW17L   0090001855 N28263731W081165729+0000    -000050009000005 5150IIARK2
        SUSAP KMCOK7GRW17R   0100001855 N28260820W081174517+0000    -000040009000005 3150IIDIZ2
        SUSAP KMCOK7GRW18L   0120051855 N28265400W081192030+0000    +000030009300005 5200R
        SUSAP KMCOK7GRW18R   0120041855 N28265386W081193711+0000    +000030009300005 5200IITFE1
        SUSAP KMCOK7GRW35L   0100000055 N28242920W081174413+0000    -000150008700005 7150IIDDO3
        SUSAP KMCOK7GRW35R   0090000055 N28250820W081165638+0000    -000050009000005 7150IICER2
        SUSAP KMCOK7GRW36L   0120040055 N28245501W081193583+0000    -000010009100005 5200R
        SUSAP KMCOK7GRW36R   0120050055 N28245515W081191904+0000    -000010009100005 6200IIOJP3
```

QUALITY CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | RW17B | BAIRN | 010 | | IF | | FB | | | | | |
| | RW17B | ODDEL | 020 | | TF | | FB | | 342.0() | | | |
| | RW17B | KMCO | 030 | | VM | | FB | | 360.0() | | | |
| | RW18B | BAIRN | 010 | | IF | | FB | | | | | |
| | RW18B | ODDEL | 020 | | TF | | FB | | 342.0() | | | |
| | RW18B | KMCO | 030 | | VM | | FB | | 360.0() | | | |
| | RW35B | BAIRN | 010 | | IF | | FB | | | | | |
| | RW35B | KMCO | 020 | | VM | | FB | | 360.0() | | | |
| | RW36B | BAIRN | 010 | | IF | | FB | | | | | |
| | RW36B | KMCO | 020 | | VM | | FB | | 360.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| ODDEL | N280545.51 | W0811010.24 | N2805.759 | W08110.171 |
| RW17L | N282637.31 | W0811657.29 | N2826.622 | W08116.955 |
| RW17R | N282608.20 | W0811745.17 | N2826.137 | W08117.753 |
| RW18L | N282654.00 | W0811920.30 | N2826.900 | W08119.338 |
| RW18R | N282653.86 | W0811937.11 | N2826.898 | W08119.619 |
| RW35L | N282429.20 | W0811744.13 | N2824.487 | W08117.736 |
| RW35R | N282508.20 | W0811656.38 | N2825.137 | W08116.940 |
| RW36L | N282455.01 | W0811935.83 | N2824.917 | W08119.597 |
| RW36R | N282455.15 | W0811919.04 | N2824.919 | W08119.317 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|

QUALITY CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-3 (9/02)

| | | |
|---|---|---|
| RW17L | 00090 | 55 |
| RW17R | 00090 | 53 |
| RW18L | 00093 | 55 |
| RW18R | 00093 | 55 |
| RW35L | 00087 | 57 |
| RW35R | 00090 | 57 |
| RW36L | 00091 | 55 |
| RW36R | 00091 | 56 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

**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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORLK7AORL     0     060YHN28324370W081195850W006000113         1800018000C    MNAR    EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORLK7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP KORLK7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP KORLK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP KORLK7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP KORLK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP KORLK7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP KORLK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP KORLK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KORLK7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KORLK7GRW07    0060040727 N28323418W081202139+0100    +00045001060000039150IIORL1
        SUSAP KORLK7GRW14    0046251368 N28325568W081202865+0100    +00040001040000028100V
        SUSAP KORLK7GRW25    0060042527 N28325769W081191955-0100    +00057001100000046150IIEXO1
        SUSAP KORLK7GRW32    0046253169 N28322573W081194942-0100    +00055001090000028100V
```

QUALITY CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

ARINC SUMMARY - 424-18 - STAR

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW07 | N283234.18 | W0812021.39 | N2832.570 | W08120.357 |
| RW14 | N283255.68 | W0812028.65 | N2832.928 | W08120.478 |
| RW25 | N283257.69 | W0811919.55 | N2832.962 | W08119.326 |
| RW32 | N283225.73 | W0811949.42 | N2832.429 | W08119.824 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW07 | 00106 | 39 |
| RW14 | 00104 | 28 |
| RW25 | 00110 | 46 |
| RW32 | 00109 | 28 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7AX04     0     039NHN28422691W081345507W006000142         1800018000C    MNAR    ORLANDO APOPKA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP X04 K7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP X04 K7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP X04 K7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP X04 K7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP X04 K7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP X04 K7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP X04 K7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                          18000
        SUSAP X04 K7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7GRW15    0039871542 N28423575W081350128-0400    +0015000139094310060V
        SUSAP X04 K7GRW33    0039873343 N28421013W081344329+0400    +0010700125000025060V
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

ARINC SUMMARY - 424-18 - STAR

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW15 | N284235.75 | W0813501.28 | N2842.596 | W08135.021 |
| RW33 | N284210.13 | W0813443.29 | N2842.169 | W08134.722 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW15 | 00139 | 10 |
| RW33 | 00125 | 25 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFBK7ASFB     0     096YHN28463610W081140790W005000055         1800018000C    MNAR    ORLANDO SANFORD INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFBK7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP KSFBK7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP KSFBK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP KSFBK7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP KSFBK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP KSFBK7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP KSFBK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP KSFBK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KSFBK7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFBK7GRW09C   0035780949 N28464243W081144371-0100    -0012100052000035075V
        SUSAP KSFBK7GRW09L   0096010949 N28465427W081151020-0200    -0011100055100054150IISND1
        SUSAP KSFBK7GRW09R   0066470949 N28461182W081135238-0300    -0015800039164745075IIOOS1
        SUSAP KSFBK7GRW18    0060021849 N28465983W081140524-0100    -0013100048000045150R
        SUSAP KSFBK7GRW27C   0035782749 N28464249W081140350+0100    -0013300048000027075V
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

```
SUSAP KSFBK7GRW27L   0066472749 N28461189W081125620+0300    -0020400024000045075R
SUSAP KSFBK7GRW27R   0096012749 N28465441W081134028+0200    -0016800036059945150IIFNU1
SUSAP KSFBK7GRW36    0060020049 N28460040W081140510+0100    -0014700043000045150V
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW09C | N284642.43 | W0811443.71 | N2846.707 | W08114.729 |
| RW09L | N284654.27 | W0811510.20 | N2846.905 | W08115.170 |
| RW09R | N284611.82 | W0811352.38 | N2846.197 | W08113.873 |
| RW18 | N284659.83 | W0811405.24 | N2846.997 | W08114.087 |
| RW27C | N284642.49 | W0811403.50 | N2846.708 | W08114.058 |
| RW27L | N284611.89 | W0811256.20 | N2846.198 | W08112.937 |
| RW27R | N284654.41 | W0811340.28 | N2846.907 | W08113.671 |
| RW36 | N284600.40 | W0811405.10 | N2846.007 | W08114.085 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW09C | 00052 | 35 |
| RW09L | 00055 | 54 |
| RW09R | 00039 | 45 |
| RW18 | 00048 | 45 |
| RW27C | 00048 | 27 |
| RW27L | 00024 | 45 |
| RW27R | 00036 | 45 |
| RW36 | 00043 | 45 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLEEK7ALEE     0     063YHN28492240W081483030W005000076         1800018000C    MNAR    LEESBURG INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLEEK7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP KLEEK7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP KLEEK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP KLEEK7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP KLEEK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP KLEEK7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP KLEEK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP KLEEK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KLEEK7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLEEK7GRW03    0049570400 N28485817W081484244+0200    -0007200067000045100R
        SUSAP KLEEK7GRW13    0063001348 N28494383W081485802-0100    -0005000074028955100R
        SUSAP KLEEK7GRW21    0049572200 N28493586W081481249-0200    -0005100074031045100V
        SUSAP KLEEK7GRW31    0063003148 N28490828W081480957+0100    -0007100067040045100R
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW03 | N284858.17 | W0814842.44 | N2848.970 | W08148.707 |
| RW13 | N284943.83 | W0814858.02 | N2849.731 | W08148.967 |
| RW21 | N284935.86 | W0814812.49 | N2849.598 | W08148.208 |
| RW31 | N284908.28 | W0814809.57 | N2849.138 | W08148.160 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW03 | 00067 | 45 |
| RW13 | 00074 | 55 |
| RW21 | 00074 | 45 |
| RW31 | 00067 | 45 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISMK7AISM     0     060YHN28172330W081261350W005000082         1800018000C    MNAR    KISSIMMEE GATEWAY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISMK7EGOOFY61PBI   010PBI  K7D 0V       IF                                          18000
        SUSAP KISMK7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP KISMK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP KISMK7EGOOFY61PHK   010PHK  K7D 0V       IF                                          18000
        SUSAP KISMK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP KISMK7EGOOFY61TRV   010TRV  K7D 0V       IF                                          18000
        SUSAP KISMK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP KISMK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                          18000
        SUSAP KISMK7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KISMK7GRW06    0050010631 N28171264W081263858+0000    -0003400080000045150R
        SUSAP KISMK7GRW15    0060011531 N28174649W081263011-0100    -00034000800000051100IIISM1
        SUSAP KISMK7GRW24    0050012431 N28173883W081255111+0000    -0004000078000045150V
        SUSAP KISMK7GRW33    0060013331 N28165606W081255462+0100    -0004500076000045100R
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW06 | N281712.64 | W0812638.58 | N2817.211 | W08126.643 |
| RW15 | N281746.49 | W0812630.11 | N2817.775 | W08126.502 |
| RW24 | N281738.83 | W0812551.11 | N2817.647 | W08125.852 |
| RW33 | N281656.06 | W0812554.62 | N2816.934 | W08125.910 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW06 | 00080 | 45 |
| RW15 | 00080 | 51 |
| RW24 | 00078 | 45 |
| RW33 | 00076 | 45 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOIK7ACOI     0     036YHN28202980W080410770W005000006         1800018000C    MNAR    MERRITT ISLAND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOIK7EGOOFY61PBI   010PBI  K7D 0V       IF                                      18000
        SUSAP KCOIK7EGOOFY61PBI   020LLNCHK7EA0E       TF                    32730557
        SUSAP KCOIK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                    32730379
        SUSAP KCOIK7EGOOFY61PHK   010PHK  K7D 0V       IF                                      18000
        SUSAP KCOIK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                    34210733
        SUSAP KCOIK7EGOOFY61TRV   010TRV  K7D 0V       IF                                      18000
        SUSAP KCOIK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                    30300370
        SUSAP KCOIK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                      18000
        SUSAP KCOIK7EGOOFY62ALL   020SABOTK7EA0EE      TF                    3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCOIK7GRW11    0036011143 N28203566W080412676-0100    -0026400006000033075R
        SUSAP KCOIK7GRW29    0036012943 N28202385W080404873+0100    -0027300003000031075V
```

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW11 | N282035.66 | W0804126.76 | N2820.594 | W08041.446 |
| RW29 | N282023.85 | W0804048.73 | N2820.398 | W08040.812 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW11 | 00006 | 33 |
| RW29 | 00003 | 31 |

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

**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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PBI   K7011570VTH  N26404819W080051142    N26404819W080051142W0030000162     NARPALM BEACH
        SUSAD        PHK   K7011540VTHA N26465787W080412916    N26465787W080412916E0000000162     NARPAHOKEE
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAIRN K70    C   L N27565237W081065435                      W0060     NAR           BAIRN
        SUSAEAENRT   LLNCH K70    C   B N27260767W080414446                      W0061     NAR           LLNCH
        SUSAEAENRT   SABOT K70    R   L N28150510W081133716                      W0059     NAR           SABOT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTIXK7ATIX     0     073YHN28305328W080475722W005000034         1800018000C    MNAR    SPACE COAST RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTIXK7EGOOFY61PBI   010PBI  K7D 0V       IF                                        18000
        SUSAP KTIXK7EGOOFY61PBI   020LLNCHK7EA0E       TF                     32730557
        SUSAP KTIXK7EGOOFY61PBI   030BAIRNK7EA0EE H    TF                     32730379
        SUSAP KTIXK7EGOOFY61PHK   010PHK  K7D 0V       IF                                        18000
        SUSAP KTIXK7EGOOFY61PHK   020BAIRNK7EA0EE H    TF                     34210733
        SUSAP KTIXK7EGOOFY61TRV   010TRV  K7D 0V       IF                                        18000
        SUSAP KTIXK7EGOOFY61TRV   020BAIRNK7EA0EE H    TF                     30300370
        SUSAP KTIXK7EGOOFY62ALL   010BAIRNK7EA0E  H    IF                                        18000
        SUSAP KTIXK7EGOOFY62ALL   020SABOTK7EA0EE      TF                     3420

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTIXK7GRW09    0050000941 N28305422W080483629+0000    -0018300032019060100R
        SUSAP KTIXK7GRW18    0073191841 N28312543W080474879+0100    -0019000030032250150R
        SUSAP KTIXK7GRW27    0050002741 N28305494W080474238+0000    -0018500031000045100V
        SUSAP KTIXK7GRW36    0073190041 N28301616W080474759-0100    -0017800034000058150IITIX1
```

QUALITY CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PBI | PBI | 010 | | IF | | FB | | | | | |
| | PBI | LLNCH | 020 | | TF | | FB | | 327.3() | 055.7 | | |
| | PBI | BAIRN | 030 | | TF | | FB | | 327.3() | 037.9 | | |
| | PHK | PHK | 010 | | IF | | FB | | | | | |
| | PHK | BAIRN | 020 | | TF | | FB | | 342.1() | 073.3 | | |
| | TRV | TRV | 010 | | IF | | FB | | | | | |
| | TRV | BAIRN | 020 | | TF | | FB | | 303.0() | 037.0 | | |
| | ALL | BAIRN | 010 | | IF | | FB | | | | | |
| | ALL | SABOT | 020 | | TF | | FB | | 342.0() | | | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| PBI | N264048.19 | W0800511.42 | N2640.803 | W08005.190 |
| PHK | N264657.87 | W0804129.16 | N2646.965 | W08041.486 |
| TRV | N274042.33 | W0802923.01 | N2740.706 | W08029.384 |
| BAIRN | N275652.37 | W0810654.35 | N2756.873 | W08106.906 |
| LLNCH | N272607.67 | W0804144.46 | N2726.128 | W08041.741 |
| SABOT | N281505.10 | W0811337.16 | N2815.085 | W08113.619 |
| RW09 | N283054.22 | W0804836.29 | N2830.904 | W08048.605 |
| RW18 | N283125.43 | W0804748.79 | N2831.424 | W08047.813 |
| RW27 | N283054.94 | W0804742.38 | N2830.916 | W08047.706 |
| RW36 | N283016.16 | W0804747.59 | N2830.269 | W08047.793 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW09 | 00032 | 60 |
| RW18 | 00030 | 50 |
| RW27 | 00031 | 45 |
| RW36 | 00034 | 58 |

CHECKED

| (11) Arrival Name | (12) Number | (13) STAR Computer Code | (14) Superseded Nr. | (15) Dated | (16) Effective Date |
|---|---|---|---|---|---|
| GOOFY | SIX | BAIRN.GOOFY6 | FIVE | 25 DEC 03 | |

FAA Form 7100-3 (9/02)

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** LLNCH **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 272607.67N/0804144.46W **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 | 348.00 | 344.00 | 104.84 | 104.84 | | 6000 | 45000 |
| 2 | PALM BEACH | PBI | VORTAC | H | 327.31 | 324.31 | 55.74 | 55.74 | | 6000 | 45000 |
| 3 | TREASURE | TRV | VORTAC | H | 224.12 | 217.12 | | 18.22 | | 6000 | 45000 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| PBI | VORTAC | R-327 | 56 | 6000 | 17500 |
| VKZ | VOR/DME | R-348 | 105 | 6000 | 18000 |

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

**REMARKS:**
PALM BEACH (FAC 2) AND TREASURE (FAC 3) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | J113 | 1, 2 | | | | (US) |
| EN ROUTE | V531 | 2 | | | | (US) |
| IAP | RNAV (GPS) RWY 5 | | | KOBE | OKEECHOBEE | FL (US) |
| STAR | GOOFY | 2, 3 | | KX04 | APOPKA | FL (US) |
| STAR | BAIRN (RNAV) | | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 2, 3 | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 2, 3 | | KCOI | MERRITT ISLAND | FL (US) |
| STAR | BAIRN (RNAV) | | | KISM | ORLANDO | FL (US) |
| STAR | GOOFY | 2, 3 | | KISM | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 2, 3 | | KMCO | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | | KORL | ORLANDO | FL (US) |
| STAR | GOOFY | 2, 3 | | KORL | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | | KSFB | ORLANDO | FL (US) |
| STAR | GOOFY | 2, 3 | | KSFB | ORLANDO | FL (US) |
| STAR | GOOFY | 2, 3 | | KTIX | TITUSVILLE | FL (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
UPDATED FAC 1 AND 2 TO CURRENT AVNIS DATA.
MADE FAC 2 AND 3 COORD FACS.
ADDED FAC 3 TO FIX MAKE UP.
ADDED INT TO FIX TYPE.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 04/12/2012 **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:** MCO APP CON
**OTHER:** ZJX, MCO ATCT

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ODDEL **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 280545.51N/0811010.24W **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 | LAKELAND | LAL | VORTAC | H | 080.46 | 081.46 | 45.31 | 45.31 | | 2600 | 17500 |
| 2 | MELBOURNE | MLB | VOR/DME | L | 276.00 | 269.00 | 28.35 | 28.35 | | 2600 | 17500 |
| 3 | ORLANDO | ORL | VORTAC | H | 161.81 | 161.81 | 28.13 | 28.13 | | 2600 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| LAL | VORTAC | R-080 | 46 | 2600 | 14500 |

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

**REMARKS:**
LAKELAND (FAC 1) AND ORLANDO (FAC 3) USED TO ESTABLISH FIX COORDINATES

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V267, V295, V441, V531 | 1, 2, 3 | | | | FL (US) |
| IAP | RNAV (GPS) RWY 24 | | | KX07 | LAKE WALES | FL (US) |
| IAP | RNAV (GPS) RWY 35L | | | KMCO | ORLANDO | FL (US) |
| IAP | RNAV (GPS) RWY 35R | | | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KX04 | APOPKA | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KISM | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KORL | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2, 3 | | KSFB | ORLANDO | FL (US) |

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

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**
UPDATED FAC 1-3 TO CURRENT AVNIS DATA.
MADE FACS 1 AND 3 COORD FACS.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

**DEVELOPED BY:** **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

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

**SIGNATURE:**

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

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 264657.87N/0804129.16W **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 | PAHOKEE | PHK | VORTAC | H | | | | | | | 45000 |

**FIX RESTRICTIONS:**
SPECIAL ILS OR LOC/DME RWY 9, K06FA, JUPITER, FL

**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 | PHK | VORTAC | 182.15 | 002.15 | R | 1 | | 1800 | 5000 | 4 | 5 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| UPN | 200 | TOWER (12-004410) | 264128.00N/0804717.00W | 513 | 5D |
| 1 | 200 | TOWER (12-003734) | 263955.74N/0803837.45W | 491 | 1A |

**HOLDING RESTRICTIONS:**
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2000.

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | ALICO | | | KRSW | FORT MYERS | FL (US) |
| DP | SCUBY | | | KRSW | FORT MYERS | 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 | NAPLES | | | KAPF | NAPLES | FL (US) |
| DP | CITRUS | | | KMCO | ORLANDO | FL (US) |
| DP | ORLANDO | | | KMCO | ORLANDO | FL (US) |
| DP | SANFORD | | | KSFB | ORLANDO | FL (US) |
| DP | ST. PETE | | | KPIE | ST PETERSBURG-CLEARWATER | FL (US) |
| DP | TAMPA | | | KTPA | TAMPA | FL (US) |
| DP | PALM BEACH | | | KPBI | WEST PALM BEACH | FL (US) |
| EN ROUTE | J53 | | | | | FL (US) |
| EN ROUTE | J81 | | | | | FL (US) |
| EN ROUTE | V267 | | | | | FL (US) |
| EN ROUTE | V437 | | | | | FL (US) |
| EN ROUTE | V492 | | | | | FL (US) |
| EN ROUTE | V51 | | | | | FL (US) |
| EN ROUTE | V601 | | | | | FL (US) |
| IAP | ILS OR LOC RWY 10R | | | KFPR | FORT PIERCE | FL (US) |
| IAP | ILS OR LOC/DME RWY 9 | | 1 | K06FA | JUPITER | FL (US) |
| IAP | RNAV (GPS) RWY 32 | | | KOBE | OKEECHOBEE | FL (US) |
| IAP | RNAV (GPS) RWY 17 | | | KPHK | PAHOKEE | FL (US) |
| IAP | RNAV (GPS) RWY 35 | | | KPHK | PAHOKEE | FL (US) |
| IAP | VOR/DME-A | | | KPHK | PAHOKEE | FL (US) |
| IAP | RNAV (GPS) RWY 12 | | | KSUA | STUART | FL (US) |
| IAP | ILS OR LOC RWY 8R | | | KF45 | WEST PALM BEACH | FL (US) |
| IAP | RNAV (GPS) RWY 13 | | | KF45 | WEST PALM BEACH | FL (US) |
| IAP | RNAV (GPS) RWY 8R | | | KF45 | WEST PALM BEACH | FL (US) |
| IAP | VOR RWY 8R | | | KF45 | WEST PALM BEACH | FL (US) |
| 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) |
| STAR | GOOFY | | | KX04 | APOPKA | FL (US) |
| STAR | BRDGE | | | KCLW | CLEARWATER | FL (US) |
| STAR | FORTL | | | KFLL | FORT LAUDERDALE | FL (US) |
| STAR | BAIRN (RNAV) | | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 1 | | KCOI | MERRITT ISLAND | FL (US) |
| STAR | CYPRESS | | | KMIA | MIAMI | FL (US) |
| STAR | SSCOT (RNAV) | | | KMIA | 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 | BRDGE | KSPG | ST PETERSBURG | FL (US) |
| STAR | BRDGE | KPIE | ST PETERSBURG-CLEARWATER | FL (US) |
| STAR | DEAKK (RNAV) | KPIE | ST PETERSBURG-CLEARWATER | FL (US) |
| STAR | BRDGE | KMCF | TAMPA | FL (US) |
| STAR | DEAKK (RNAV) | KMCF | TAMPA | FL (US) |
| STAR | BRDGE | KTPA | TAMPA | FL (US) |
| STAR | DEAKK (RNAV) | KTPA | TAMPA | FL (US) |
| STAR | BRDGE | KTPF | TAMPA | FL (US) |
| STAR | BRDGE | KVDF | TAMPA | FL (US) |
| STAR | DEAKK (RNAV) | KVDF | TAMPA | FL (US) |
| STAR | GOOFY | KTIX | TITUSVILLE | 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:** 10 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
CHANGED PAT 1 TEMPLATE SIZE FROM MIN 5, MAX 7 TO MIN 4, MAX 5.
UPDATED CONTROLLING OBSTRUCTION FOR UPN HOLDING.
CHANGED AIRSPEEDS TO 200.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

**DEVELOPED BY:** **DATE:** 04/06/2012 **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, MCO APP CON
**OTHER:** ZJX, MCO ATCT

QUALITY CHECKED

# 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 | 1-1 1/2 | | 2000 | 10000 | 4 | 9 |
| 2 | N | PBI | VORTAC | 006.57 | 186.57 | R | 1-1 1/2 | | 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 4

| | | | | | |
|---|---|---|---|---|---|
| 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:**
CHANGED PATS 1 AND 2 LEG TIME FROM 1 TO 1-1 1/2.
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:** SABOT **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 281505.10N/0811337.16W **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 | ORLANDO | ORL | VORTAC | H | 161.82 | 161.82 | 18.35 | 18.35 | | 2000 | 17500 |
| 2 | LAKELAND | LAL | VORTAC | H | 068.00 | 069.00 | | 44.66 | | 2600 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| LAL | VORTAC | R-068 | 45 | 26 | 175 |

**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 | ORL | VORTAC | 341.82 | 161.82 | R | 1-1 1/2 | | 2000 | 17500 | 5 | 18 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (12-003440) | 281653.12N/0811941.31W | 384 | 1A |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**
LAKELAND (FAC 2) AND ORLANDO (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| EN ROUTE | V267-295-531 | 1, 2 | | | | FL (US) |
| IAP | GOOFY | 1, 2 | | KX04 | APOPKA | FL (US) |
| IAP | VOR/DME RWY 18L | | 1 | KMCO | ORLANDO | FL (US) |
| IAP | VOR/DME RWY 18R | | 1 | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 1, 2 | | KCOI | MERRITT ISLAND | FL (US) |
| STAR | GOOFY | 1, 2 | | KISM | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | | KORL | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | | KSFB | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | | KTIX | TITUSVILLE | FL (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
UPDATED FAC 1 AND 2 TO CURRENT AVNIS DATA.
ADDED DIST FROM FAC TO FAC 1 AND 2.
MADE FAC 1 AND 2 COORD FACS.
ADDED ESV FOR LAL VORTAC.
REMOVED PAT 2.
UPDATED CONTROLLING OBSTRUCTION.
MOVED HOLDING RESTRICTION OUT OF REMARKS SECTION.
ADDED PRECIPITOUS TERRAIN NOTE.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

**DEVELOPED BY:** **DATE:** 04/06/2012 **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:** MCO APP CON, MCO ATCT
**OTHER:** ZJX

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BAIRN **STATE:** FL **COUNTRY:** US

**LATITUDE/LONGITUDE:** 275652.37N/0810654.35W **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 | ORLANDO | ORL | VORTAC | H | 161.82 | 161.82 | 37.45 | 37.45 | | 2000 | 17500 |
| 2 | TREASURE | TRV | VORTAC | H | 303.00 | 296.00 | 36.97 | 36.97 | | 2000 | 17500 |

**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 | S | ORL | VORTAC | 161.82 | 341.82 | R | 1-1 1/2 | | 2000 | 17500 | 5 | 18 |
| 2 | S | | WP | 168.11 | 348.11 | R | | 5 | 2600 | 17500 | 5 | 17 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (12-000705) | 275156.00N/0810055.00W | 441 | 5D |
| 2 | 200 | TOWER (12-000705) | 275156.00N/0810055.00W | 441 | 5D |

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**
ORLANDO (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2901A/B, AVON EAST MOA, AND MARIAN MOA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
KMCO 6W MAGVAR USED FOR PAT 2.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | PALM BEACH | 1, 2 | | KPBI | WEST PALM BEACH | FL (US) |
| EN ROUTE | V267-295-531 | 1, 2 | | | | (US) |
| IAP | RNAV (GPS) RWY 4 | | | KX26 | SEBASTIAN | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KX04 | APOPKA | FL (US) |
| STAR | BAIRN (RNAV) | | 2 | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KLEE | LEESBURG | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KCOI | MERRITT ISLAND | FL (US) |
| STAR | BAIRN (RNAV) | | 2 | KISM | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KISM | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | 2 | KMCO | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KMCO | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | 2 | KORL | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KORL | ORLANDO | FL (US) |
| STAR | BAIRN (RNAV) | | 2 | KSFB | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KSFB | ORLANDO | FL (US) |
| STAR | GOOFY | 1, 2 | 1 | KTIX | TITUSVILLE | FL (US) |

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

**COMPULSORY REPORTING POINT:** NO

INFO ONLY

**RECORD REVISION NUMBER:** 10 **DATE OF REVISION:** 09/20/2012

**REASON FOR REVISION:**
UPDATE FIX USE
ADDED ORLANDO (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES REMARK.
UPDATED HOLD PAT 1 AND PAT 2 CONTROLLING OBSTACLE DATA TO THE NEW STATE CODE.
CHANGED FAC 2 FROM VERO BEACH (VRB) TO TREASURE (TRV).
CHANGED FAC 2 MAG BRG FROM 300.00 TO 303.00 FOR MAGVAR UPDATE.
CHANGED PAT 2 CRS INBOUND FROM 347.11 TO 348.11.
ADDED KMCO 6W MAGVAR USED FOR PAT 2 REMARK.
ADDED DP TO REQUIRED CHARTING.

**DEVELOPED BY:** **DATE:** 03/20/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** EST
**ARTCC:** ZMA

QUALITY CHECKED

**ATC FACILITY:** MCO APP CON
**OTHER:** ZJX, MCO ATCT

# 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

INFO ONLY

**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 | | 4 | KVRB | VERO BEACH | FL (US) |
| IAP | ILS OR LOC RWY 8R | | | KF45 | WEST PALM BEACH | FL (US) |
| IAP | ILS OR LOC RWY 10L | | | KPBI | WEST PALM BEACH | FL (US) |

| | | | | | |
|---|---|---|---|---|---|
| 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