| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: IAP | Date Open: 12/22/2011 | Task #: 2006082108904102002 | Request #: 20060821089041 |
|---|---|---|---|---|---|
| Procedure: RNAV (GPS) RWY 6 ORIG | | Airport ID: KIAG | Airport: NIAGARA FALLS INTL | | Reimbursable #: |
| City: NIAGARA FALLS | ST: NY | GPS #: | | Estimated Chart Date: 01/10/2013 | FICO #: |
| Fac ID: | Fac. Type: LPV | Specialist: JEFF RAWDON(Contractor) | | | |

LPV

## Procedure Review

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| Lead: | 05/01/2012 | 10/03/2012 | SHANA SORRELL | |
| QA: | 10/03/2012 | 10/04/2012 | STEVEN SZUKALA | |
| Liaison: | 10/04/2012 | | Spurlin | |

PZ

**Procedure Comments:**

**Remark Type:** INFORMATION

pg 1.f3

NIAGARA FALLS, NY NIAGARA FALLS INTL (KIAG) RNAV (GPS) RWY 6, ORIG (LPV) ENROUTE-NO FC: 11.27.12 PUB: 1.10.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): WOTGU, ORIG; YULUC, ORIG; ZEXOD, ORIG; ZUPUV, ORIG.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

| WAAS CH 90132 W06A | APP CRS 060° | Rwy ldg 5188<br>THRE 584<br>Apt Elev 590 |
|---|---|---|

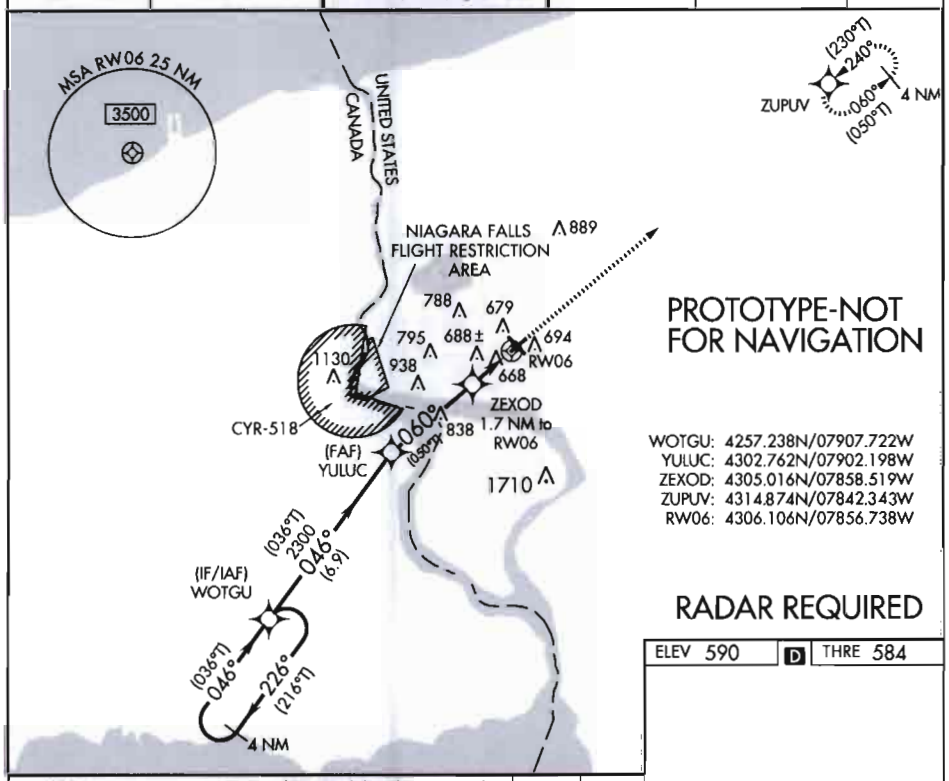
# RNAV (GPS) RWY 6

## NIAGARA FALLS INTL (IAG)

Baro-VNAV NA when using Buffalo Niagara Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV/ NA below -18 C (0 F) or above 54 C (130 F). Rwy 6 straight-in and circling and circling to rwy 10r/24 at night. DME/DME RNP -0.3 NA. Helicopter Visibility reduction below 1sm not authorized. When local altimeter setting not received, use Buffalo Niagara Intl altimeter setting and increase all DA 51 feet and all MDA 60 feet, increase LNAV cat C/D visibility 1/8 mile and circling cat D 1/4 mile.

MISSED APPROACH: Climb to 3600 direct ZUPUV and hold.

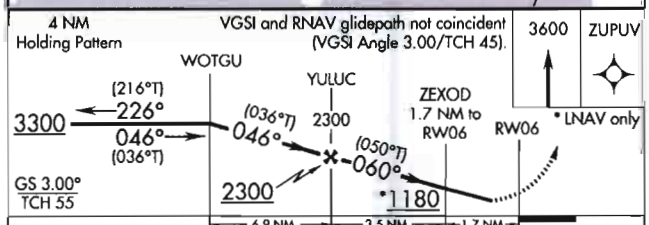
| ATIS | BUFFALO APP CON | NIAGARA TOWER* | GND CON | CLNC DEL | UNICOM |
|---|---|---|---|---|---|
| 120.8 269.4 | 126.5 317.6 | 118.5 (CTAF) 349.0 | 121.7 275.8 | 119.25 251.1 | 122.95 |



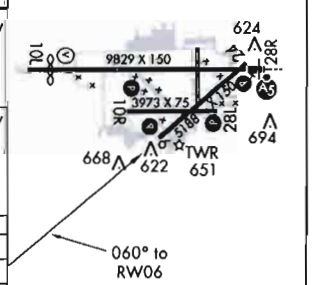

PROTOTYPE-NOT FOR NAVIGATION

WOTGU: 4257.238N/07907.722W
YULUC: 4302.762N/07902.198W
ZEXOD: 4305.016N/07858.519W
ZUPUV: 4314.874N/07842.343W
RW06: 4306.106N/07856.738W

RADAR REQUIRED




| CATEGORY | A | B | C | D |
|---|---|---|---|---|
| LPV DA | 862-1 | | 278 (300-1) | |
| LNAV/VNAV DA | 847-1 | | 263 (300-1) | |
| LNAV MDA | 940-1 | | 356 (400-1) | |
| CIRCLING | 1100-1 510 (600-1) | | 1100-1½ 510 (600-1½) | 1360-2½ 770 (800-2½) |




TDZ/CL Rwy 28R
REIL Rwys 6,10R, 24, and 28L
HIRL Rwy 10L-28R
MIRL Rwys 6-24 and 10R-28L

NM 7 14 21 28 35 42 49

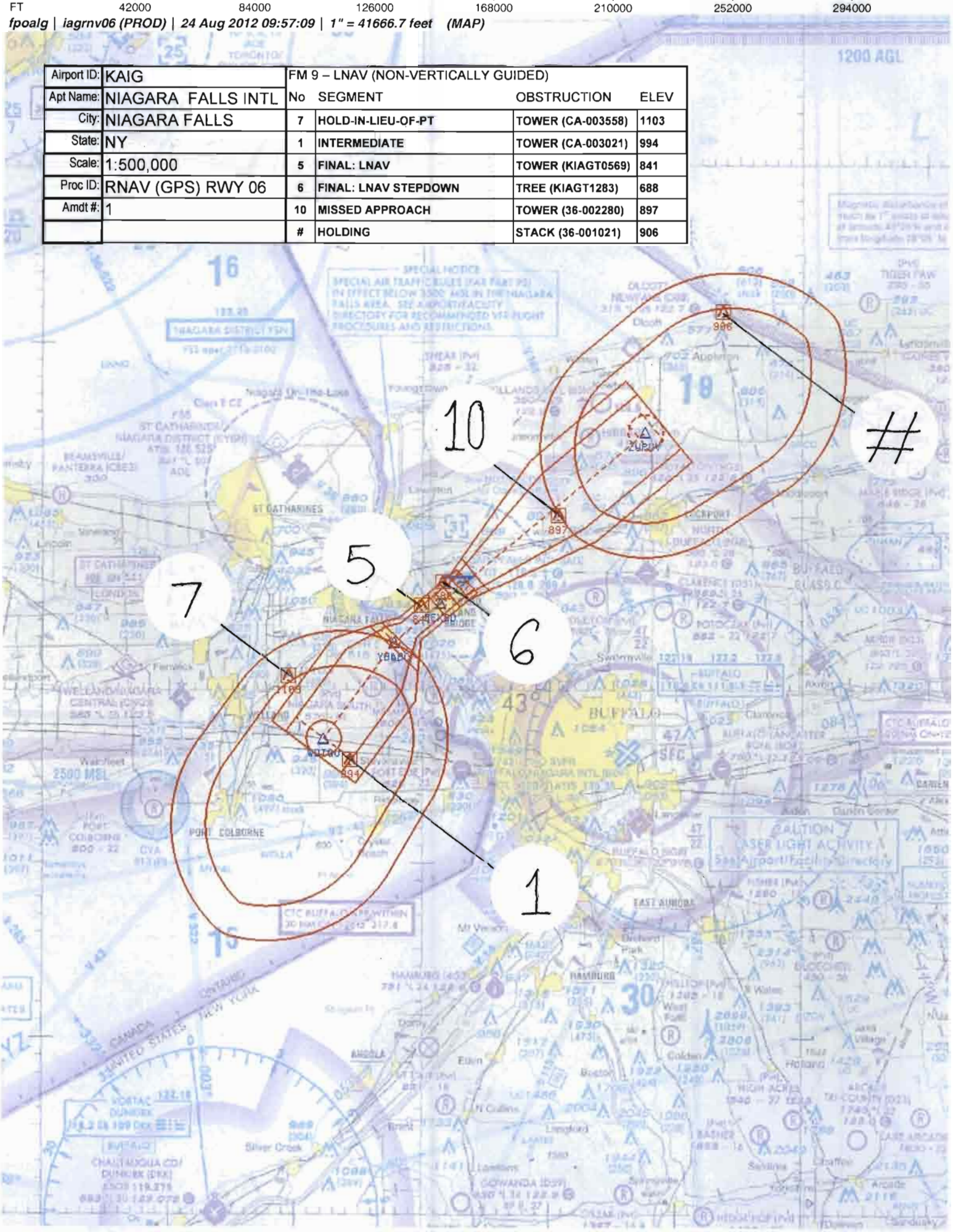
FT 42000 84000 126000 168000 210000 252000 294000

*fpoalg | iagrnv06 (PROD) | 24 Aug 2012 09:57:09 | 1" = 41666.7 feet (MAP)*

| | |
|---|---|
| Airport ID: | KAIG |
| Apt Name: | NIAGARA FALLS INTL |
| City: | NIAGARA FALLS |
| State: | NY |
| Scale: | 1:500,000 |
| Proc ID: | RNAV (GPS) RWY 06 |
| Amdt #: | 1 |
| | |

FM 9 – LNAV (NON-VERTICALLY GUIDED)

| No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| 7 | HOLD-IN-LIEU-OF-PT | TOWER (CA-003558) | 1103 |
| 1 | INTERMEDIATE | TOWER (CA-003021) | 994 |
| 5 | FINAL: LNAV | TOWER (KIAGT0569) | 841 |
| 6 | FINAL: LNAV STEPDOWN | TREE (KIAGT1283) | 688 |
| 10 | MISSED APPROACH | TOWER (36-002280) | 897 |
| # | HOLDING | STACK (36-001021) | 906 |

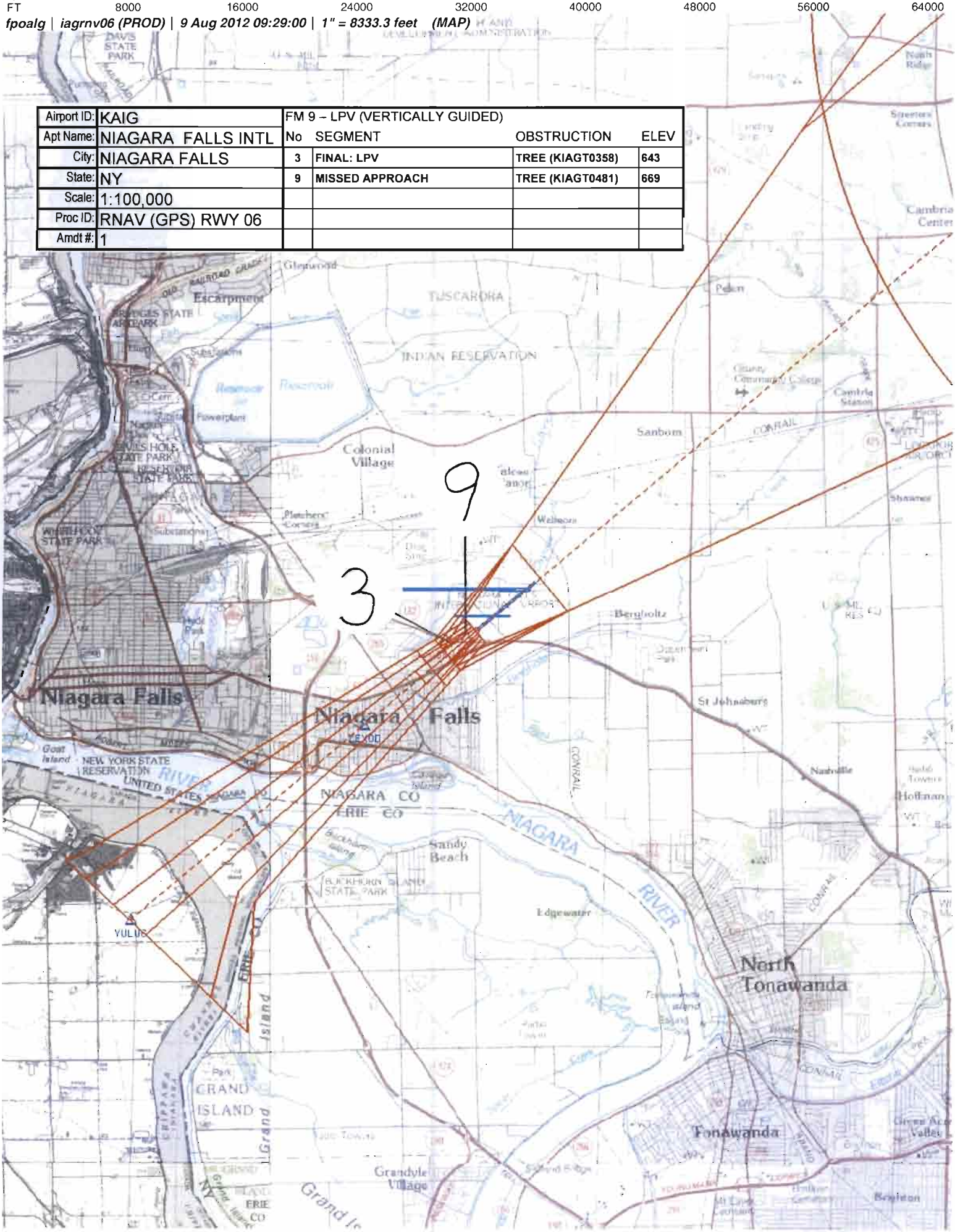

10
#
5
7
6
1
1200 AGL
2500 MSL
BUFFALO
NIAGARA FALLS
ST CATHARINES
PORT COLBORNE
EAST AURORA
HAMBURG
ANGOLA
Silver Creek
Dunkirk
Fredonia
Lockport
Medina
Albion
Batavia
Alden
Akron
Swormville
Williamsville
Tonawanda
Kenmore
Cheektowaga
Lancaster
Depew
Orchard Park
Eden
Gowanda
Springville
Arcade
Sardinia
Holland
Colden
Boston
Lawtons
Langford
Brant
Mt Vernon
Derby
Dayton
Ellicott
Clarence
Appleton
Youngstown
Lewiston
Niagara On-the-Lake
Welland/Niagara Central (CYCP)
Fenwick
Port Colborne
Watchfeet
Fantasia
Lincoln
Vineyard
Beamsville/Panterra (CRE3)
Niagara District (CYSN)
St Catharines/Niagara District (CYSN)
Niagara Falls Bridge
Buffalo Niagara Intl
Buffalo Lancaster Rgnl
Buffalo Chautauqua Cdi/Dunkirk (DKK)
Dunkirk VOR/DME
Niagara District YSN
CTC Buffalo Center
Caution Laser Light Activity
Special Notice
Special air traffic rules (FAR Part 93) in effect below 3500' AGL in the Niagara Falls area. See Airport/Facility Directory for recommended VFR flight procedures and restrictions.
Canada
United States
New York
Ontario
Niagara Falls
Niagara Falls Intl
Niagara Falls Bridge
Buffalo Niagara Intl
Buffalo Lancaster Rgnl
Buffalo Chautauqua Cdi/Dunkirk (DKK)
Dunkirk VOR/DME
Port Colborne

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpoalg | iagrnv06 (PROD) | 9 Aug 2012 09:29:00 | 1" = 8333.3 feet (MAP)*

| | | | | | |
|---|---|---|---|---|---|
| Airport ID: | KAIG | FM 9 – LPV (VERTICALLY GUIDED) | | | |
| Apt Name: | NIAGARA FALLS INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City: | NIAGARA FALLS | 3 | FINAL: LPV | TREE (KIAGT0358) | 643 |
| State: | NY | 9 | MISSED APPROACH | TREE (KIAGT0481) | 669 |
| Scale: | 1:100,000 | | | | |
| Proc ID: | RNAV (GPS) RWY 06 | | | | |
| Amdt #: | 1 | | | | |



NM 1 2 3 4 5 6 7 8 9 10

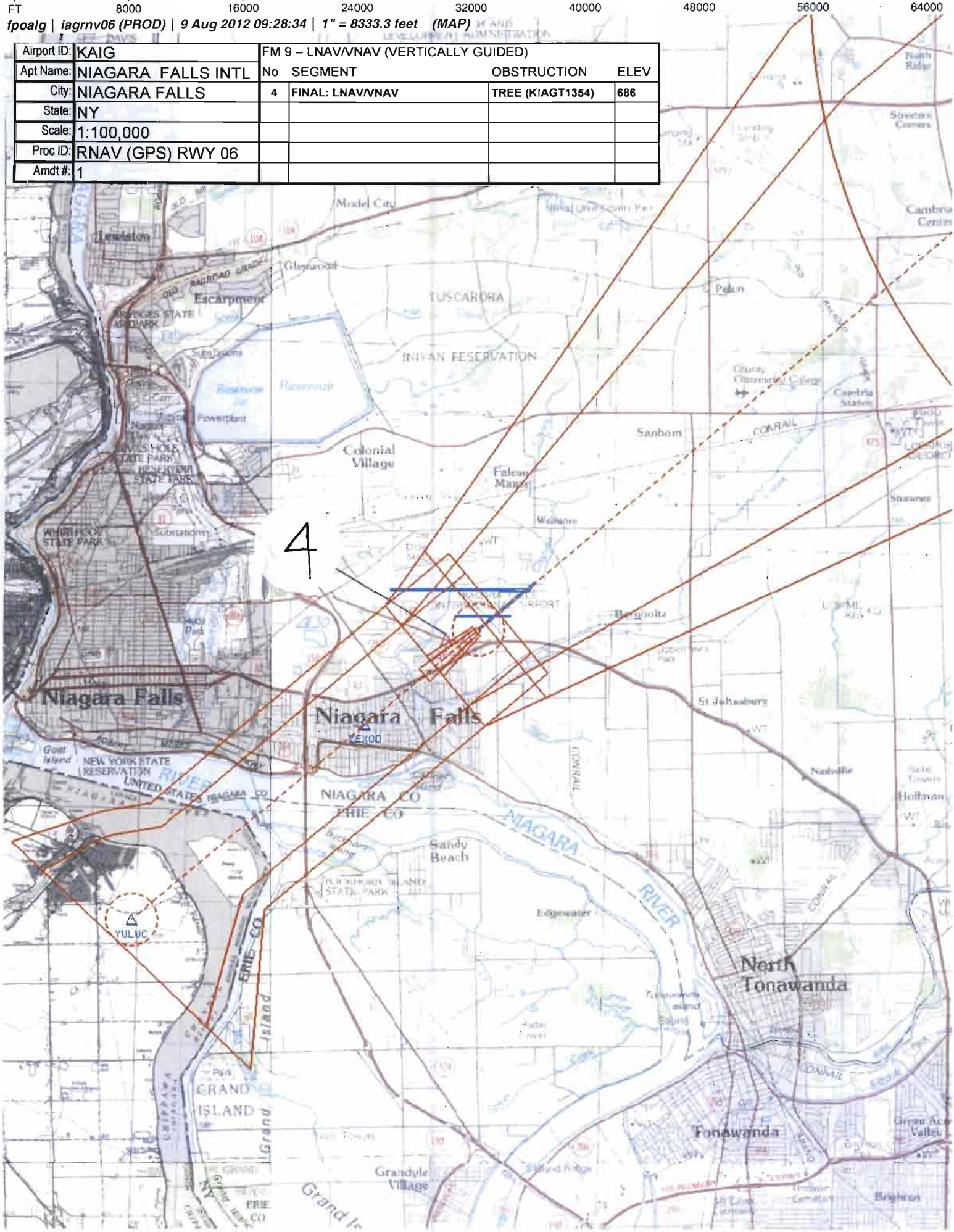
FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpoalg | iagrnv06 (PROD) | 9 Aug 2012 09:28:34 | 1" = 8333.3 feet (MAP)*

| | |
|---|---|
| Airport ID: | KAIG |
| Apt Name: | NIAGARA FALLS INTL |
| City: | NIAGARA FALLS |
| State: | NY |
| Scale: | 1:100,000 |
| Proc ID: | RNAV (GPS) RWY 06 |
| Amdt #: | 1 |

FM 9 – LNAV/VNAV (VERTICALLY GUIDED)

| No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| 4 | FINAL: LNAV/VNAV | TREE (KIAGT1354) | 686 |



NM 1 2 3 4 5 6 7 8 9 10

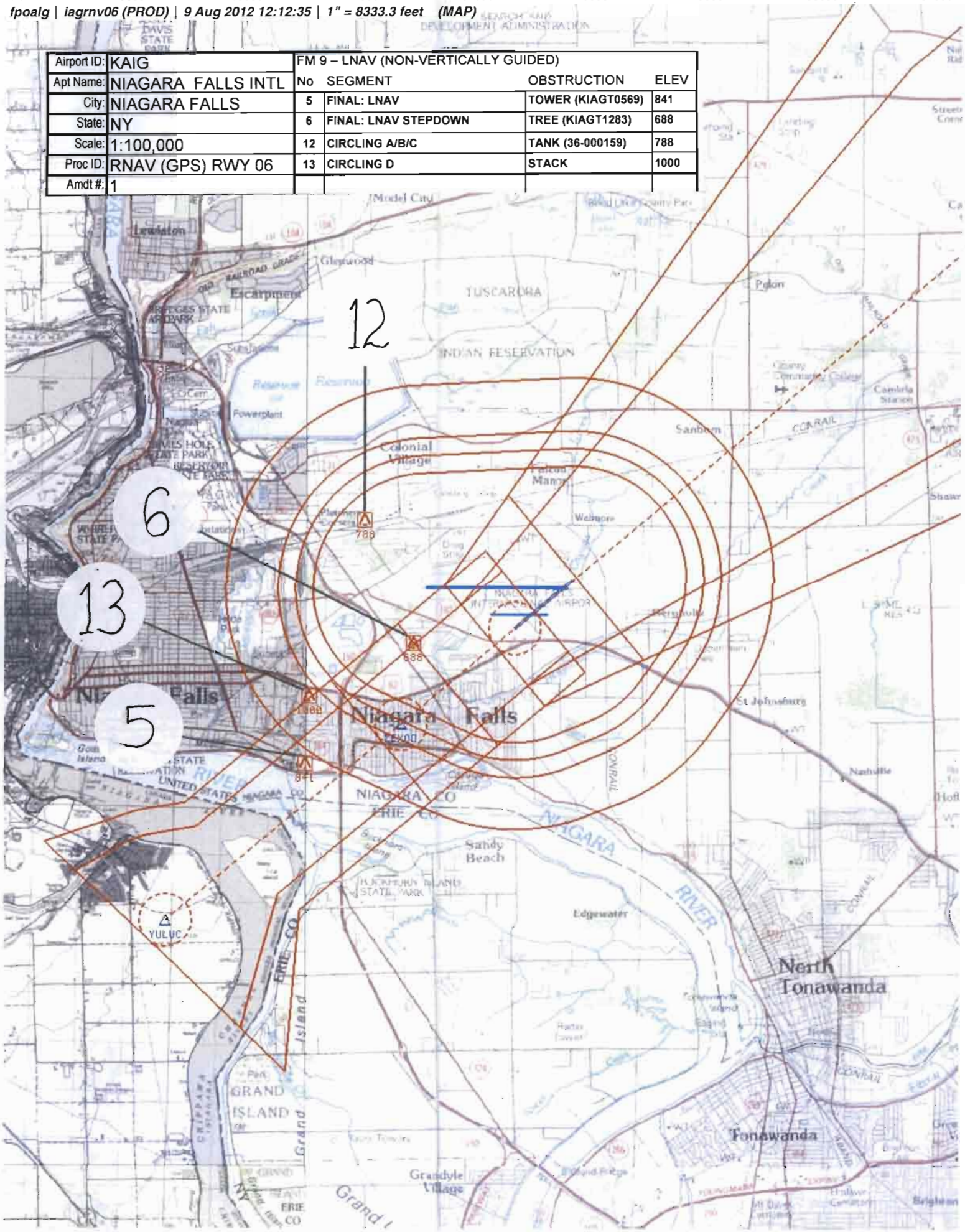
FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpoalg | iagrnv06 (PROD) | 9 Aug 2012 12:12:35 | 1" = 8333.3 feet (MAP)*

| | |
|---|---|
| Airport ID: | KAIG |
| Apt Name: | NIAGARA FALLS INTL |
| City: | NIAGARA FALLS |
| State: | NY |
| Scale: | 1:100,000 |
| Proc ID: | RNAV (GPS) RWY 06 |
| Amdt #: | 1 |

FM 9 – LNAV (NON-VERTICALLY GUIDED)

| No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| 5 | FINAL: LNAV | TOWER (KIAGT0569) | 841 |
| 6 | FINAL: LNAV STEPDOWN | TREE (KIAGT1283) | 688 |
| 12 | CIRCLING A/B/C | TANK (36-000159) | 788 |
| 13 | CIRCLING D | STACK | 1000 |



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| WOTGU (IF/IAF) | YULUC (FB) | 046.25 / 6.85 | 2300 |
| YULUC (FAF) | ZEXOD/1.70 NM TO RW06 (FB) | 060.09 / 3.51 | |
| ZEXOD/1.70 NM TO RW06 | RW06 (MAP) (FO) | 060.09 / 1.70 | |
| RW06 (MAP) | 847 MSL | 060.09 | |
| 847 MSL | ZUPUV (FO) | | 3600 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

CLIMB TO 3600 DIRECT ZUPUV AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SW WOTGU, RT, 046.25 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
3. FAC: 060.09 FAF: YULUC DIST FAF TO MAP: 5.21 THLD: 5.21
4. MIN. ALT: WOTGU 3300, YULUC 2300, ZEXOD/1.70 NM TO RW06 1180*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: YULUC 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW06 3500

**ADDITIONAL FLIGHT DATA:**
HOLD NE, LT, 240.31 INBOUND.
CHART FAS OBST: 688 TREE 430551N/0785819W
CHART CYR 518.
CHART NIAGARA FALLS FLIGHT RESTRICTION AREA.
DISTANCE TO THLD FROM 263 HATH: 0.65 NM.
WAAS CHANNEL # 90132
REFERENCE PATH ID: W06A
LTP HAE: 142.4 M

MAG VAR: 10W EPOCH YEAR: 1985

## MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| LPV DA | 862 | 1 | 278 | 862 | 1 | 278 | 862 | 1 | 278 | 862 | 1 | 278 | | | |
| LNAV/VNAV DA | 847 | 1 | 263 | 847 | 1 | 263 | 847 | 1 | 263 | 847 | 1 | 263 | | | |
| LNAV MDA | 940 | 1 | 356 | 940 | 1 | 356 | 940 | 1 | 356 | 940 | 1 | 356 | | | |
| CIRCLING | 1100 | 1 | 508 | 1100 | 1 | 508 | 1100 | 1 1/2 | 508 | 1360 | 2 1/2 | 768 | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING BUFFALO NIAGARA INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

@ CAT D 800-2 1/2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 2

| CITY AND STATE | ELEVATION: 592 THRE: 584 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| NIAGARA FALLS, NY | AIRPORT NAME: NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AMDT: NONE |
| | | | | DATED |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| [ ] YES [X] NO | | **ROUTINE** |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| [X] | [ ] | [X] | [X] | [X] | [X] | [X] **ZOB, KIAG ATCT, BUF APP CON, AIRPORT MANAGER** |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: **DONALD E. SMITH (AUSTIN GOTCHER)** | FIFO **AJV-352** | DATE: **08/08/2012** |
| **APPROVED BY** | | |
| NAME: **DARRYEL ADAMS** **MANAGER** | FIFO **AJV-352** | DATE: |

CHANGES:

**ORIGINAL PROCEDURE**

REASONS:

**FPT REQUEST**

QUALITY 2 CHECKED

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART NOTE: RWY 6 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 10R/24 NA AT NIGHT.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BUFFALO NIAGARA INTL ALTIMETER SETTING AND INCREASE ALL DA 51 FEET AND ALL MDA 60 FEET, INCREASE LNAV CAT C/D VISIBILITY 1/8 MILE AND CIRCLING CAT D 1/4 MILE.

QUALITY CHECKED 2

| CITY AND STATE | ELEVATION: 592 THRE: 584 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| NIAGARA FALLS, NY | AIRPORT NAME: NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AMDT: NONE |
| | | | | DATED: |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ _____ |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | FIFO | DATE: |
| **APPROVED BY** | | |
| NAME: | FIFO | DATE: |

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KIAG |
| RUNWAY | RW06 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W06A |
| LTP/FTP LATITUDE | 430606.3600N |
| LTP/FTP LONGITUDE | 0785644.3000W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +01424 |
| FPAP LATITUDE | 430703.4600N |
| FPAP LONGITUDE | 0785510.9000W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1168 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | C642F72E |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +01781 |
| FPAP ORTHOMETRIC HEIGHT | +01781 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 592 THRE: 584 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| NIAGARA FALLS, NY | AIRPORT NAME: NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AMDT: NONE |
| | | | | DATED: |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ _____ |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | FIFO | DATE: |
| **APPROVED BY** | | |
| NAME: | FIFO | DATE: |

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   WOTGU CY0    W     N42571428W079074331                      W0105     NAR           WOTGU
        SCANEAENRT   YULUC CY0    W     N43024569W079021190                      W0106     NAR           YULUC
        SUSAEAENRT   ZEXOD K60    W     N43050097W078583116                      W0107     NAR           ZEXOD
        SUSAEAENRT   ZUPUV K60    W     N43145245W078422058                      W0109     NAR           ZUPUV

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAGK6AIAG     0     098YHN43062721W078564503W010000592         1800018000C    MNAR    NIAGARA FALLS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAGK6FR06   AWOTGU 010WOTGUCYEA0EE AR   HF                    04630040    + 03300     18000                A JS
        SUSAP KIAGK6FR06   R      010WOTGUCYEA0E  I    IF                                + 03300     18000                A JS
        SUSAP KIAGK6FR06   R      020YULUCCYEA1E  F 051TF                    04630069    + 02300                 RW06  K6PGA JS
        SUSAP KIAGK6FR06   R      020YULUCCYEA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KIAGK6FR06   R      021ZEXODK6EA0E S  031TF                    06010035    V 0118001181        -300         A JS
        SUSAP KIAGK6FR06   R      030RW06 K6PG0GY M 031TF                    06010017      00639             -300         A JS
        SUSAP KIAGK6FR06   R      040         0  M     CA                    0601        + 00847                          A JS
        SUSAP KIAGK6FR06   R      050ZUPUVK6EA0EY      DF                                + 03600                          A JS
        SUSAP KIAGK6FR06   R      060ZUPUVK6EA0EE  L   HM                    24030040    + 03600                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAGK6GRW06    0051880602 N43060636W078564430+0200    +0142400584000055150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAGK6PR06   RW06 001 0000W06A0N4306063600W07856443000+014240300N4307034600W078551090001067511168000550F400500C642F72E
        SUSAP KIAGK6PR06   RW06 002E      +01781+01781LPV       90132

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIAGK6SRW06 K6PG                0   18018003525                                                                        M
```

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 592 THRE: 584 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| NIAGARA FALLS, NY | AIRPORT NAME: NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AMDT: NONE |
| | | | | DATED: |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WOTGU | WOTGU | 010 | IAF | HF | R | FO | | 046.3(036.3T) | 004.0 | AA 03300 | |
| | | WOTGU | 010 | FACF | IF | | FB | | | | AA 03300 | |
| | | YULUC | 020 | FAF | TF | | FB | 0.5 | 046.3(036.3T) | 006.9 | AA 02300 | |
| | | ZEXOD | 021 | SDF | TF | | FB | 0.3 | 060.1(050.1T) | 003.5 | AA 01180 GS 01181 | |
| | | RW06 | 030 | MAP | TF | | FO | 0.3 | 060.1(050.1T) | 001.7 | AT 00639 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 060.1(050.1T) | | AA 00847 | |
| | ZUPUV | 050 | | DF | | FO | | | | AA 03600 | |
| | ZUPUV | 060 | | HM | L | FO | | 240.3(230.3T) | 004.0 | AA 03600 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|---|
| | WOTGU | N425714.28 | W0790743.31 | N4257.238 | W07907.722 |
| | YULUC | N430245.69 | W0790211.90 | N4302.762 | W07902.198 |
| | ZEXOD | N430500.97 | W0785831.16 | N4305.016 | W07858.519 |
| | ZUPUV | N431452.45 | W0784220.58 | N4314.874 | W07842.343 |
| | RW06 | N430606.36 | W0785644.30 | N4306.106 | W07856.738 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|---|
| | RW06 | 00584 | 55 |

QUALITY 2 CHECKED

| CITY AND STATE | ELEVATION: 592 THRE: 584 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| NIAGARA FALLS, NY | AIRPORT NAME: NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AMDT: NONE |
| | | | | DATED: |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC. | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| INTERMEDIATE | WOTGU (IF/IAF) | YULUC | 1. TOWER (CA-003021) | 425535.00N/0790536.00W | 994 (4D) | 500 | AT806 | 2300 |
| | | | 2. TERRAIN | 425842.00N/0790930.00W | 657 (700) | | AS1500 | 2200 |
| FINAL: LPV | YULUC | RW06 | 3. TREE (KIAGT0358) | 430556.19N/0785654.29W | 643 (1A) | 34:1 | MA28 | 862/278 |
| FINAL: LNAV/VNAV | YULUC | RW06 | 4. TREE (KIAGT1354) | 430600.45N/0785731.09W | 686 (1A) | 161 | | 847/263 |
| FINAL: LNAV | YULUC | ZEXOD/1.70 NM TO RW06 | 5. TRMSN TWR (KIAGT0569) | 430428.69N/0790000.92W | 841 (1A) | 250 | RA51 DG38 | 1180 |
| FINAL: LNAV STEPDOWN | ZEXOD/1.70 NM TO RW06 | RW06 | 6. TREE (KIAGT1283) | 430551.42N/0785819.26W | 688 (1A) | 250 | | 940 |
| 2. HOLD-IN-LIEU-OF-PT | WOTGU | P-5 | 7. TOWER (CA-003558) | 430024.00N/0791031.00W | 1103 (4D) | 1000 | AT1197 | 3300 |
| | | | 8. TERRAIN | 425040.80N/0790557.90W | 710 (700) | | AS1500 | 2200 |
| 3. MISSED APPROACH — MAP: | DA / DA / RW06 | ZUPUV | 9. TREE (KIAGT0481) | 430554.03N/0785714.38W | 669 (1A) | ASC | | 3600 |
| | | | 10. TOWER (36-002280) | 430940.15N/0784910.27W | 897 (1A) | 1000 | | 1900 |
| ELEV: | 660/686/840 | | 11. TERRAIN | 430906.00N/0785303.00W | 667 (700) | | AS1500 | 2200 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 508 | 12. TANK (36-000159) | 430715.70N/0785905.69W | 788 (1A) | 300 | | 1100 |
| CATEGORY B | 1.5 NM | 450 | 508 | 12. TANK (36-000159) | 430715.70N/0785905.69W | 788 (1A) | 300 | | 1100 |
| CATEGORY C | 1.7 NM | 450 | 508 | 12. TANK (36-000159) | 430715.70N/0785905.69W | 788 (1A) | 300 | | 1100 |
| CATEGORY D | 2.3 NM | 550 | 768 | 13. STACK | 430515.00N/0785957.00W | 1000 (4D) | 300 | AC50 | 1360 |
| CATEGORY E | 4.5 NM | 550 | | | | | | | |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW06

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 360-360 | TWR (36-001310) | 141/ 28.8 | 2449 (5D) | 3500 | | | | | |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 592 / AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| NIAGARA FALLS, NY | NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AEA |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | 3. ALTIMETER SETTING |
|---|---|---|---|
| BUF APP CON<br>IAG TOWER | N W S | OTHER:<br>ASOS | SOURCE: KIAG / KBUF |
| | F A A | | DISTANCE: 0 / 13.79 |
| SATISFACTORY ON: | A / C | | HOURS REMOTE OPERATION:<br>BACKUP |
| X V H F X U H F H F | LOCATION: KIAG | | ADJUSTMENT: 0 / 51 |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: | CAT 1 |
| | | CAT 3 |
| 5. APPROACH & RUNWAY LIGHTING | | ALS |
| | | (S) SALS |
| | X | MALSR 28R (PCL) |
| | X | HIRL 10L, 28R |
| | X | MIRL 24 (PCL), 06 (PCL), 10R (PCL), 28L (PCL) |
| | X | REIL 24 (PCL), 06 (PCL), 10R (PCL), 28L (PCL) |
| | | TDZ |
| | | C/LINE |
| | X | OTHER (SPECIFY)<br>PAPI-2L 10R (PCL), 28L (PCL) PAPI-4L 24 (PCL), 06 (PCL), 28R VASI-4L 10L |
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | |
| | INSTRUMENT | NPI-G 24, 10L, 06, 10R, 28R, 28L |
| 7. RUNWAY VISUAL RANGE | APPROACH | 28R |
| | MIDFIELD | |
| | ROLL OUT | |
| 8. GLIDE PATH | GP ANGLE: 3.00 | ELEV RWY THRESHOLD: 584.3 |
| | DISTANCE FROM RWY: | ELEV GP ANTENNA: |
| | | THRESHOLD CROSSING HEIGHT: 55.0 |
| 9. FINAL APPROACH COURSE AIMING | X | RUNWAY THRESHOLD FT. FROM THRESHOLD |
| | X | ON CENTERLINE FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY:<br>DONALD E. SMITH (AUSTIN GOTCHER) | DATE:<br>08/08/2012 |
| TITLE:<br>AERONAUTICAL INFORMATION SPECIALIST | OFFICE:<br>AJV-352 |

## PART C - REMARKS:

ISA DEVIATION USED: -31.83C (57.29F)

VDP NOT ESTABLISHED - VISUAL SURFACES PENETRATED.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS'

20:1 PENETRATIONS
R06
648 TREE (KIAGT0323) 430557.10N/0785649.71W (28.27)
643 TREE (KIAGT0358) 430556.19N/0785654.29W (7.28)
640 TREE (36-022619) 430556.19N/0785654.30W (4.26)
R10R
652 TREE (KIAGT0721) 430614.99N/0785726.13W (8.51)
611 VEGETATI (36-022606) 430617.32N/0785715.44W (7.12)
646 TREE (36-022608) 430615.02N/0785726.17W (2.36)
653 TREE (KIAGT1385) 430613.93N/0785728.12W (2.15)
R24
651 TREE (KIAGT0614) 430649.65N/0785539.93W (4.45)
647 TREE (36-022568) 430649.69N/0785539.94W (0.35)

34:1 - R06
664 TREE (KIAGT0443) 430557.28N/0785710.42W (24.52)
670 TREE (36-022626) 430554.49N/0785711.41W (23.54)
640 TREE (KIAGT0379) 430554.40N/0785654.63W (21.47)
666 TREE (KIAGT0459) 430554.21N/0785709.96W (21.44)
655 TREE (KIAGT0433) 430555.82N/0785705.46W (21.05)
661 TREE (KIAGT0445) 430553.43N/0785706.58W (20.61)
669 TREE (KIAGT0466) 430555.58N/0785713.82W (20.59)
659 TREE (36-022632) 430557.29N/0785710.28W (19.78)
664 TREE (KIAGT0456) 430552.70N/0785708.19W (19.52)
655 TREE (KIAGT0436) 430554.63N/0785705.12W (19.34)
660 TREE (KIAGT0446) 430553.92N/0785707.36W (19.24)
642 TREE (KIAGT0398) 430552.39N/0785655.04W (18.95)
635 TREE (KIAGT0367) 430555.10N/0785654.30W (18.36)
657 TREE (KIAGT0441) 430556.13N/0785708.66W (18.28)
653 TREE (KIAGT0434) 430556.28N/0785706.55W (18.10)
658 TREE (36-022624) 430553.60N/0785706.89W (17.42)
653 TREE (KIAGT0437) 430557.24N/0785708.37W (16.88)
669 TREE (KIAGT0481) 430554.03N/0785714.38W (16.69)
654 TREE (KIAGT0442) 430555.49N/0785708.02W (15.13)
663 TREE (36-022627) 430554.76N/0785712.58W (15.10)
628 TREE (36-022618) 430556.70N/0785654.14W (14.68)
658 TREE (KIAGT0451) 430555.94N/0785711.23W (14.61)
659 TREE (36-022625) 430552.67N/0785708.20W (14.45)
645 TREE (KIAGT0428) 430555.80N/0785704.13W (13.23)
648 TREE (36-022623) 430556.28N/0785706.49W (13.20)
651 TREE (KIAGT0438) 430554.98N/0785706.82W (13.17)
659 TREE (KIAGT0461) 430554.80N/0785711.73W (12.60)
646 TREE (KIAGT0430) 430557.10N/0785706.71W (12.39)
634 TREE (KIAGT0403) 430553.41N/0785656.56W (10.35)
654 TREE (KIAGT0453) 430552.27N/0785707.24W (10.29)
664 TREE (KIAGT0487) 430554.50N/0785716.03W (9.83)
630 TREE (KIAGT0387) 430553.60N/0785654.91W (9.48)
629 TREE (KIAGT0384) 430554.62N/0785655.64W (9.20)
636 TREE (KIAGT0415) 430557.02N/0785702.71W (8.94)
637 TREE (KIAGT0420) 430556.28N/0785702.81W (8.36)
630 TREE (KIAGT0394) 430556.66N/0785659.20W (8.13)
615 TREE (KIAGT0331) 430556.94N/0785650.77W (7.78)
628 TREE (KIAGT0385) 430553.25N/0785654.34W (7.76)
659 TREE (KIAGT0476) 430555.76N/0785716.08W (7.15)
654 TREE (KIAGT0464) 430552.55N/0785709.97W (6.26)
633 TREE (36-022621) 430557.15N/0785702.83W (5.99)
624 TREE (KIAGT0376) 430553.85N/0785653.86W (5.71)
CONT.

QUALITY 2 CHECKED

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| 3. MISSED APPROACH | MAP: | | | | | | | |
| | | | | | | | | |
| | ELEV: | | | | | | | |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | REQUIRED | 350 | ACTUAL | | | | | | |
| CATEGORY B | 1.5 NM | | 450 | | | | | | | |
| CATEGORY C | 1.7 NM | | 450 | | | | | | | |
| CATEGORY D | 2.3 NM | | 550 | | | | | | | |
| CATEGORY E | 4.5 NM | | 550 | | | | | | | |

5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID:

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 592 AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| NIAGARA FALLS, NY | NIAGARA FALLS INTL | RNAV | RNAV (GPS) RWY 6, ORIG | AEA |

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | | 3. ALTIMETER SETTING |
|---|---|---|---|---|
| SATISFACTORY ON: | | N W S | OTHER: | SOURCE: |
| | | F A A | | DISTANCE: |
| | | A / C | | HOURS REMOTE OPERATION: |
| V H F / U H F / H F | LOCATION: | | | ADJUSTMENT: |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | |
| | MONITOR POINT: | |
| | HRS OPTN: CAT 1 | |
| | HRS OPTN: CAT 3 | |
| 5. APPROACH & RUNWAY LIGHTING | | ALS |
| | | (S) SALS |
| | | MALS |
| | | HIRL |
| | | MIRL |
| | | REIL |
| | | TDZ |
| | | C/LINE |
| | | OTHER (SPECIFY) |
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | |
| | INSTRUMENT | |
| 7. RUNWAY VISUAL RANGE | APPROACH | |
| | MIDFIELD | |
| | ROLL OUT | |
| 8. GLIDE PATH | GP ANGLE: | ELEV RWY THRESHOLD: |
| | DISTANCE FROM RWY: | ELEV GP ANTENNA: |
| | | THRESHOLD CROSSING HEIGHT: |
| 9. FINAL APPROACH COURSE AIMING | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS:

| PART D - PREPARED BY: | DATE: |
|---|---|
| TITLE: | OFFICE: |

## PART C - REMARKS:

CONTINUED.
629 TREE (KIAGT0402) 430554.88N/0785658.13W (5.53)
626 TREE (KIAGT0393) 430557.03N/0785659.57W (4.22)
617 TREE (KIAGT0348) 430557.10N/0785654.32W (4.14)
619 TREE (KIAGT0360) 430556.72N/0785655.26W (3.84)
621 TREE (KIAGT0372) 430555.65N/0785655.40W (3.57)
658 TREE (KIAGT0492) 430553.33N/0785715.09W (3.17)
654 TREE (KIAGT0474) 430553.64N/0785713.16W (2.99)
631 TREE (36-022622) 430554.13N/0785700.43W (2.24)
644 TREE (KIAGT0447) 430552.35N/0785706.40W (1.85)
658 TREE (KIAGT0495) 430552.32N/0785714.74W (1.83)
629 TREE (KIAGT0416) 430554.72N/0785700.30W (1.59)
623 TREE (36-022620) 430557.03N/0785659.54W (1.27)
619 TREE (KIAGT0377) 430556.63N/0785657.04W (0.69)
632 TREE (KIAGT0427) 430555.13N/0785703.13W (0.63)
608 POLE (KIAGT0334) 430556.85N/0785651.02W (0.19)

FPT NOTIFIED OF PENETRATIONS.

SERVICE A: KIAG:YES / KBUF:YES

VGSI DATA: 3.00/45.3

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.44:1

TAA AND FEEDERS/INITIALS NOT DEVELOPED PER FTP/ATC.

INTERMEDIATE SEGMENT OFFSET 13.84 DEGREES TO REMAIN CLEAR OF RESTRICTED AREA AROUND FALLS.

TCH 55 IN ORDER TO MITIGATE GQS PENETRATIONS.

RASS PRESSURE PATTERNS SAME
KIAG 589.5, KBUF 726.9
RA = 50.96.
SEE ATTACHED AIRSPACE LETTER.

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WOTGU **STATE:** **COUNTRY:** CA

**LATITUDE/LONGITUDE:** 425714.28N/0790743.31W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SW | | WP | 226.25 | 046.25 | R | | 4 | 3300 | 6000 | 5 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | TOWER (CA-003558) | 430024.00N/0791031.00W | 1103 | 4D |

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

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 6 | | 1 | KIAG | NIAGARA FALLS | NY (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 01/10/2013

**DEVELOPED BY:** **DATE:** 07/31/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AUSTIN GOTCHER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** EST
**ARTCC:** ZOB
**ATC FACILITY:** BUF APP CON
**OTHER:** IAG ATCT

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** YULUC **STATE:** **COUNTRY:** CA

**LATITUDE/LONGITUDE:** 430245.69N/0790211.90W **TYPE:** WP

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

**REMARKS:**
8260.54A FORMULA 2-16B USED TO ESTABLISH PFAF FIX COORDINATES.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 6 | | | KIAG | NIAGARA FALLS | NY (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 01/10/2013

**DEVELOPED BY:** **DATE:** 07/31/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AUSTIN GOTCHER)

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

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** EST
**ARTCC:** ZOB
**ATC FACILITY:** BUF APP CON
**OTHER:** IAG ATCT

QUALITY CHECKED 2

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ZEXOD **STATE:** NY **COUNTRY:** US

**LATITUDE/LONGITUDE:** 430500.97N/0785831.16W **TYPE:** WP

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

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 6 | | | KIAG | NIAGARA FALLS | NY (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 01/10/2013

**DEVELOPED BY:** **DATE:** 07/31/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AUSTIN GOTCHER)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** EST
**ARTCC:** ZOB
**ATC FACILITY:** BUF APP CON
**OTHER:** IAG ATCT

QUALITY 2 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ZUPUV **STATE:** NY **COUNTRY:** US

**LATITUDE/LONGITUDE:** 431452.45N/0784220.58W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

**PATTERNS:**

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG LENGTH TIME | LEG LENGTH DME | HOLDING ALTITUDES MIN | HOLDING ALTITUDES MAX | TEMPLATES MIN | TEMPLATES MAX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NE | | WP | 060.31 | 240.31 | L | | 4 | 3600 | 6000 | 5 | 6 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 200 | STACK (36-001021) | 432122.00N/0783613.00W | 906 | 5D |

**REASON FOR NONSTANDARD HOLDING:**
PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**
HOLDING LIMITED TO ESTABLISHED PATTERN

**REMARKS:**
PRECIPITOUS TERRAIN EVALUATION COMPLETE

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | RNAV (GPS) RWY 6 | | 1 | KIAG | NIAGARA FALLS | NY (US) |
| IAP | RNAV (GPS) Y RWY 24 | | 1 | KIAG | NIAGARA FALLS | NY (US) |
| IAP | RNAV (GPS) Z RWY 24 | | 1 | KIAG | NIAGARA FALLS | NY (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 01/10/2013

**DEVELOPED BY:** **DATE:** 07/31/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JEFF RAWDON)

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

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** EST
**ARTCC:** ZOB
**ATC FACILITY:** BUF APP CON
**OTHER:** IAG ATCT

QUALITY 2 CHECKED

# TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **NIAGARA FALLS** STATE: **NY**

AIRPORT NAME: **NIAGARA FALLS INTL** ID: **KIAG**

PROCEDURE: **RNAV (GPS) RWY 6** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

**ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.**

1. Distance from **THLD** to 1000' point **3.02**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **050.09**
4. High Terrain in **FINAL** segment containing 1000' point **623**
5. Distance from **THLD** to 1500' point **4.81**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **050.09**
8. High Terrain in **FINAL** segment containing 1500' point **623**
9. Threshold Coordinates (if straight-in) ... **430606.36N** / **0785644.30W**
10. ARP Coordinates ..... **430627.21N** / **0785645.03W**
11. Runway Approach End and distance furthest from ARP.....RWY **10L**
    Distance **1.02** NM
12. FAF Coordinates ..... **430245.69N** / **0790211.90W**
    (Click to Select)

**REMARKS: Approach/Drawing attached.**