

GENERAL**Operational Hours****ATS Hours:** H24**AD OPS Hours:** Attended continuously**Airport Information****RFF:** FAA Index D / CAT 8**Fuel:** Jet A**PCN:** RWY 14/32: 54/F/B/W/T

RWY 05/23: 64/F/B/W/T

Operations**TWY Restriction**

TWY K1 CLSD between 0200-1300±.

TWY P between APCH end RWY 14 and TWY P2 CLSD to ACFT with wingspan above 32m / 105ft.

VOR TEST FACILITY (VOT): 109.0**Warnings****BUF VOR/DME** unusable:

R036-R261 below 11000ft.

R262-R275 below 2300ft.

R278-R035 below 6000ft.

Heavy concentration of birds up to 5000ft on and in vicinity of AD.

Deer in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR.**Arrival Procedure****Non-standard GP intercept position RWY 32**GP intercepts RWY 32 at *314m / 1030ft* after landing threshold.Remaining DIST beyond GP is *1552m / 5091ft*.

DEPARTURE**Take-off Minima**

RWY		05/23	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	-
RWY		14/32	
1+2 ENG	ft - ft/SM	0 - 1.0V	-
3+4 ENG		0 - 0.5V	-

Speed

MAX IAS 250KT below 10000ft.

Communication**COM Failure:** See CRAR.

06-SEP-2018
BUF-KBUF

United States Buffalo Buffalo Niagara Intl

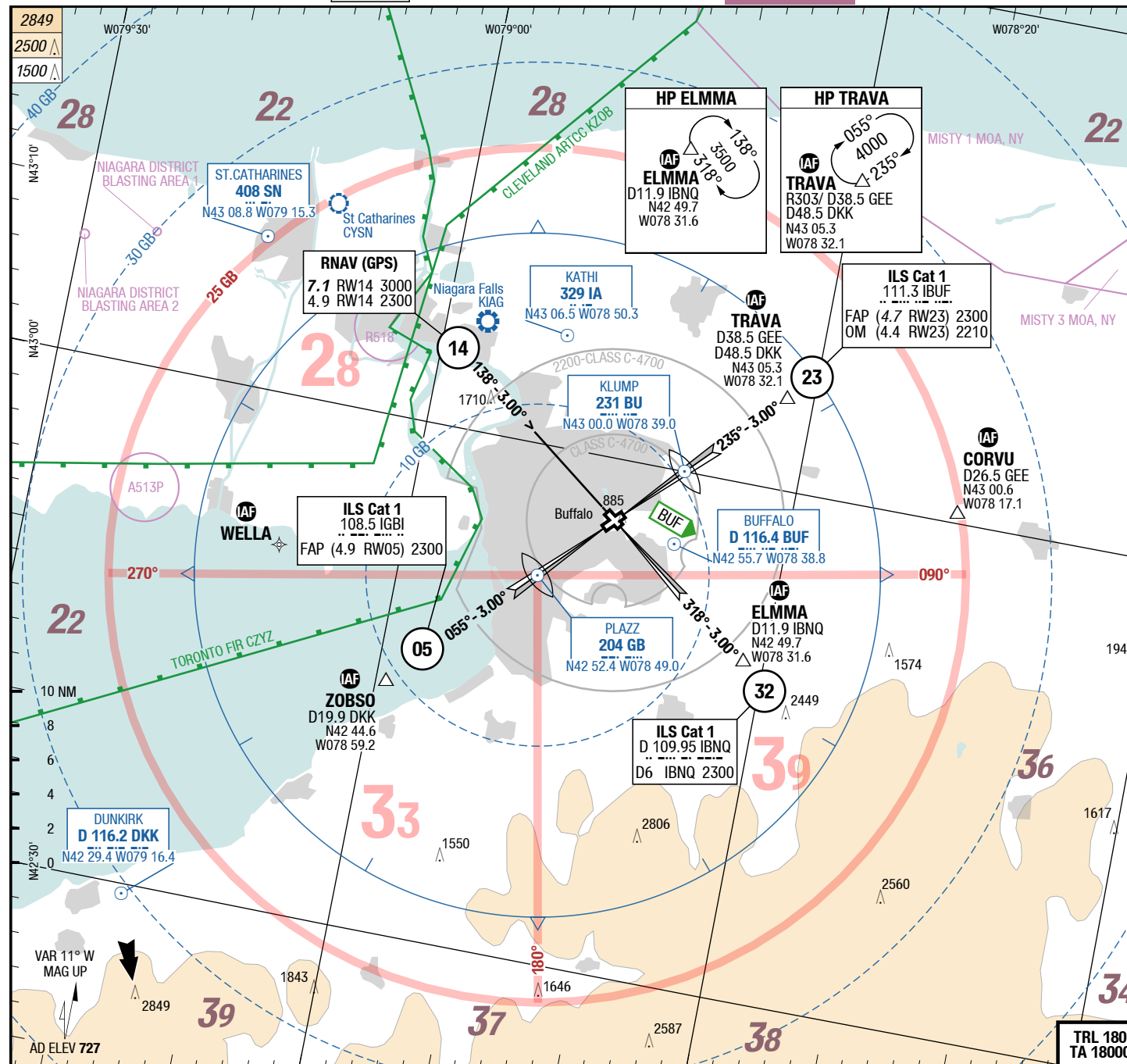
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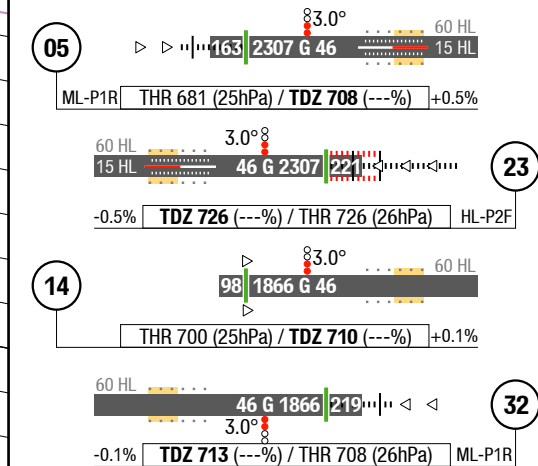
Buffalo Niagara Intl Buffalo United States

AGC
AFC



D- ATIS 135.350
APP 126.150 (053° - 233°)
126.500 (234° - 052°)
DEP 126.150 (053° - 233°)
126.500 (234° - 052°)
TWR 120.500
RDO 122.200
GND 133.200
DLV 124.700 Pre Taxi CLR
CPDLC
PDC

Landing RWY system:



Changes: APL

RWY	TORA	ASDA	TODA
05	2691	2470	2691
23	2691	2528	2691
14	2183	1963	2183
32	2183	2085	2183

CAUTION:
Be alert to RWY crossing clearances.
Readback of all RWY holding instructions is required.

- ① RUN-UP AREA for ACFT with wingspan between 24m-36m only.
② TWY K1 CLSD daily 0200-1100±

VAR 11° W
MAG UP

AD ELEV 727

HS1: Maintain vigilance TWY D and TWY A waiver for ATC crossings

D- ATIS	135.350	
RDO	122.200	
TWR	120.500	
GND	133.200	
DLV	124.700	Pre Taxi CLR
CPDLC	DCL	
PDC		

— **COORDINATES**

1	N42 56.0	W078 44.1
2, 3	N42 56.0	W078 44.0
4-6	N42 56.1	W078 44.0
7-12	N42 56.1	W078 43.9
14	N42 56.1	W078 43.9
15, 16	N42 56.2	W078 43.9
18-26	N42 56.2	W078 43.8

Not to scale

TERMINAL



BUF-KBUF

SID

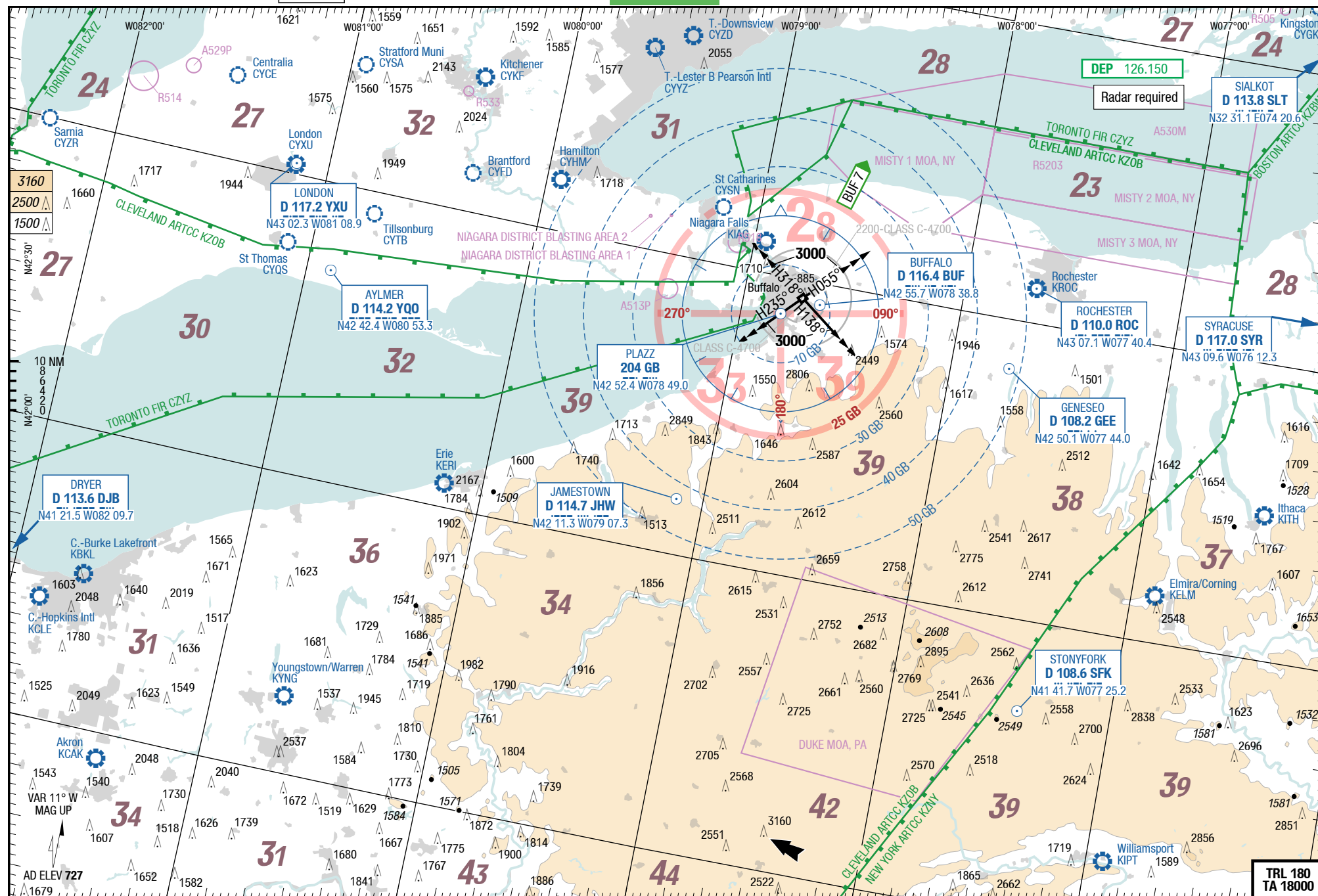
SID

NIL

BUFFALO 7 (BUF 7)

4-10

BUFFALO 7 (BUF 7)



Changes: NAVAID, PROC renumbered

TRL 180
TA 18000

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BUF-KBUF

5-10

BUFFALO 7 (BUF 7)**BUFFALO 7**

RWYs 05 (055°) / 14 (138°) / 23 (235°) / 32 (318°)

DESIGNATOR	ROUTING	ALTITUDES
BUFFALO 7 BUF 7 126.150 ①②		
		initial climb 10000 or assigned lower ALT
RWY 05	HDG 055° - passing 3000 expect vectors	
RWY 14	HDG 138° - passing 3000 expect vectors	
RWY 23	HDG 235° - passing 3000 expect vectors	
RWY 32	HDG 318° - passing 3000 expect vectors	

① Expect further clearance to requested ALT 10 minutes after departure.

② PROP ACFT: Expect vectors below 3000ft.

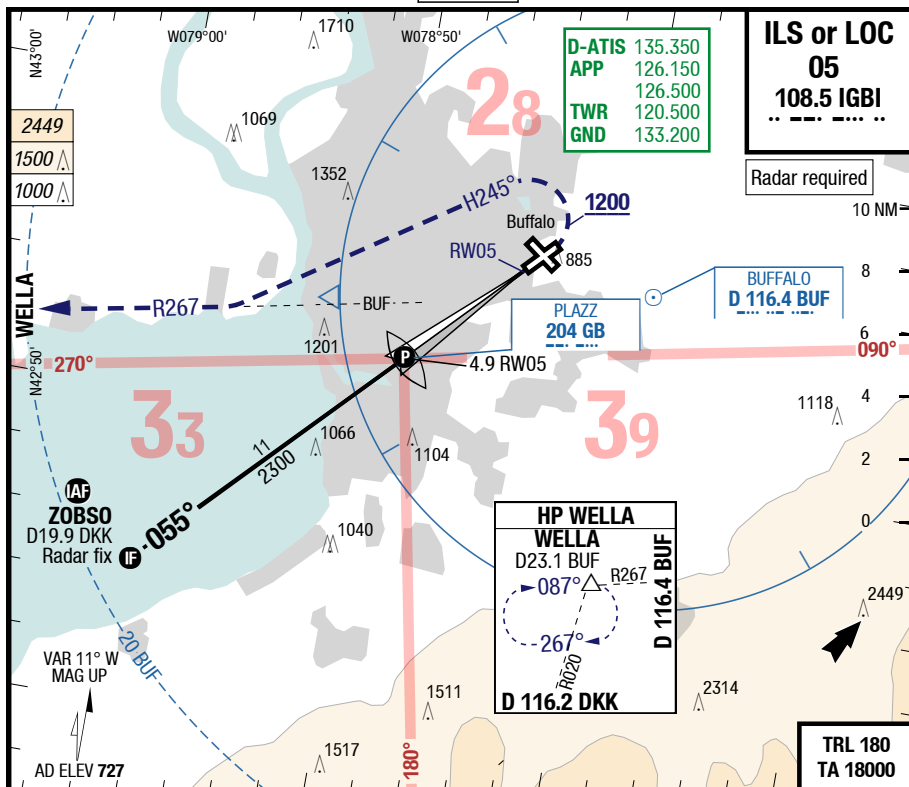
BUF-KBUF**5-30****Obstacle Departure****Obstacle Departure**

RWY	Notes
05	Trees beginning 649ft from DER, 347ft left of CL, up to 100ft AGL/756ft MSL. Trees beginning 1449ft from DER, 685ft right of CL, up to 100ft AGL/787ft MSL.
14	Trees, poles, signs and fence 2ft from DER, 395ft right of CL, up to 100ft AGL/ 759ft MSL. Trees, poles, signs and BLDG beginning 329ft from DER, 17ft left of CL, up to 100ft AGL/790 MSL.
23	Trees, poles, BLDG and signs beginning 393ft from DER, 108ft right of CL, up to 100ft AGL/741ft MSL. Trees, poles, BLDG and signs beginning 14ft from DER, 216ft left of CL, 100ft AGL/ 732ft MSL.
32	Trees and poles beginning 632ft from DER, 10ft right of CL, up to 100ft AGL/ 753ft MSL. Trees and vegetation beginning 16ft from DER, 27ft left of CL, up to 100ft AGL/ 756ft MSL.

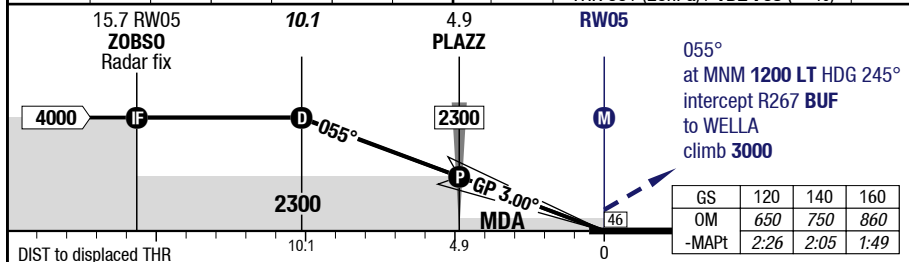
BUF-KBUF

7-10

ILS or LOC 05



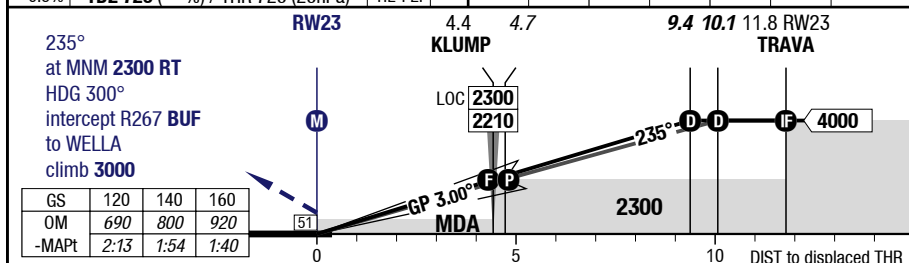
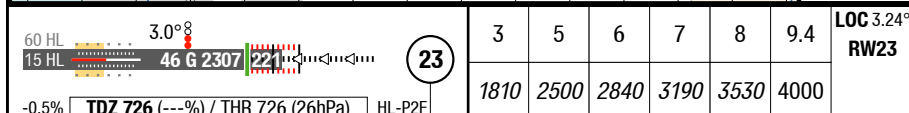
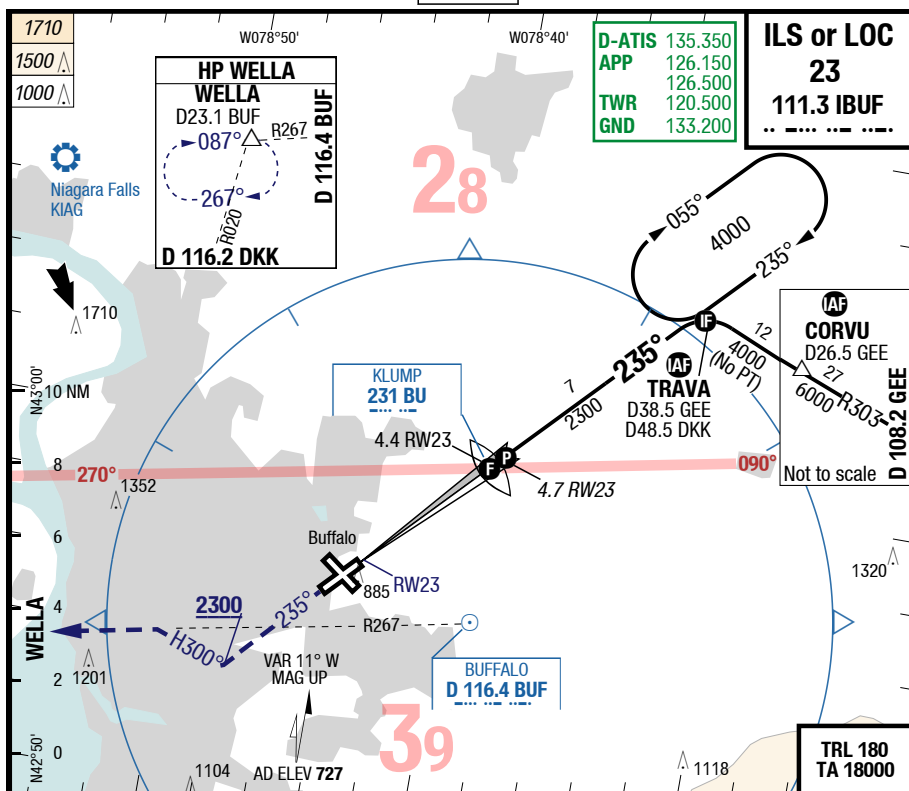
LOC 3.04°	10.1	8	6	4	3	2	05	83.0°	60 HL	15 HL
RW05	4000	3320	2670	2030	1700	1380	ML-P1R	THR 681 (25hPa) / TDZ 708 (---%)	+0.5%	



05	Cat 1	LOC					Circling
TERPS							TERPS
C	ft - ft/SM ft	200 - 1800R/0.5V 910	400 - 4000R/0.75V 1100				600 - 1.5V 1330
D	ft - ft/SM ft	200 - 1800R/0.5V 910	400 - 4000R/0.75V 1100				700 - 2.25V 1430

7-20

ILS or LOC 23

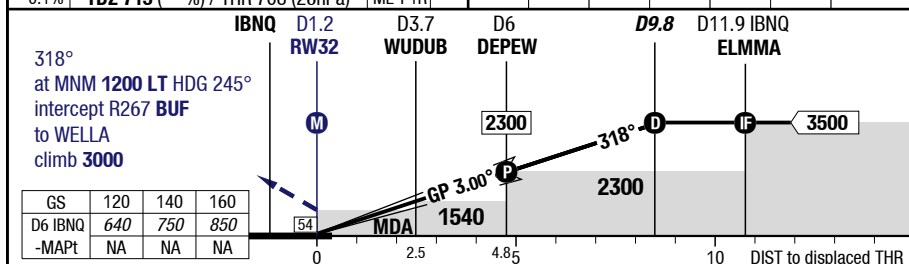
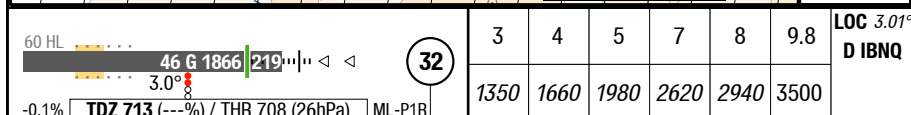
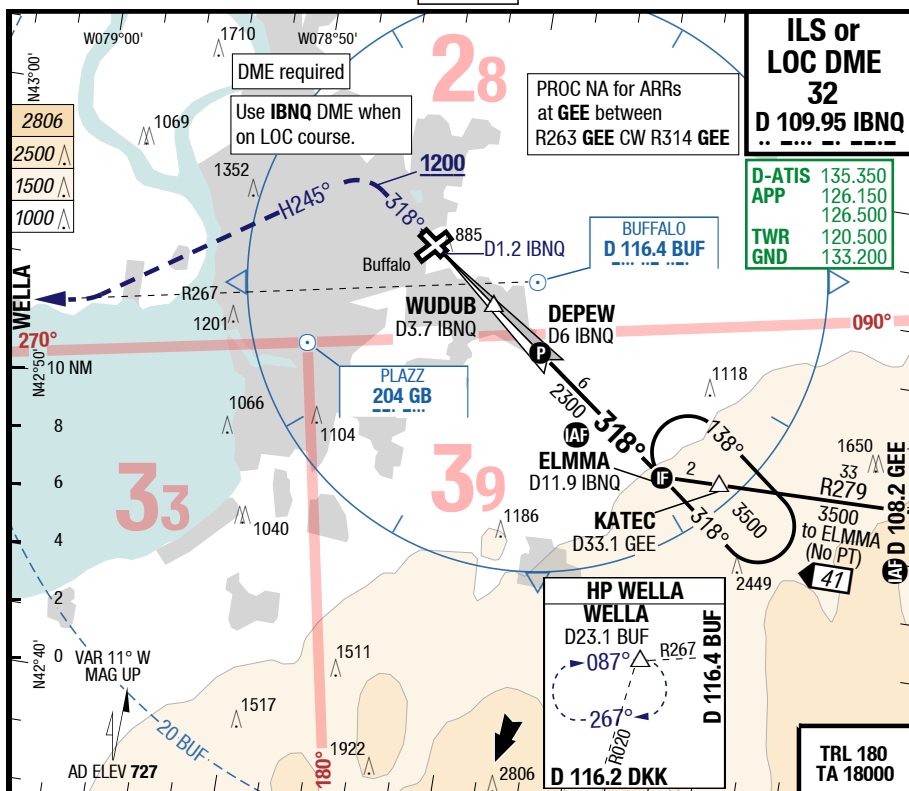


23		Cat 1	LOC				Circling
C	ft - ft/SM ft	200 - 1800R/0.5V 930	420 - 4000R/0.75V 1140				600 - 1.5V 1330
D	ft - ft/SM ft	200 - 1800R/0.5V 930	420 - 4000R/0.75V 1140				700 - 2.25V 1430

BUF-KBUF

7-30

ILS or LOC DME 32



32		Cat 1 DME	LOC DME				Circling TERPS
C	ft - ft/SM ft	230 - 0.5V 940	410 - 0.75V 1120				600 - 1.5V 1330
D	ft - ft/SM ft	230 - 0.5V 940	410 - 0.75V 1120				700 - 2.25V 1430

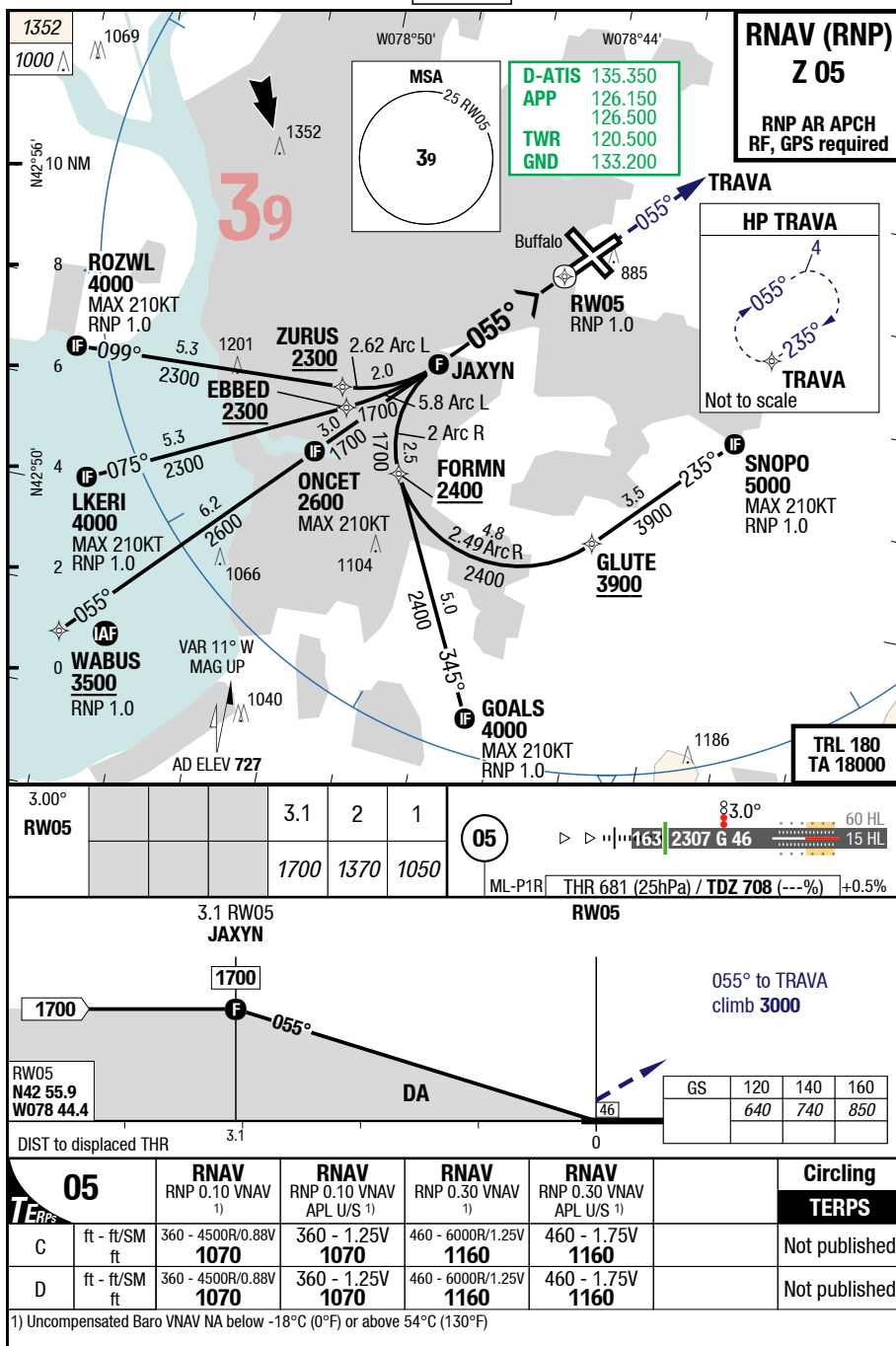
06-SEP-2018

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IAC

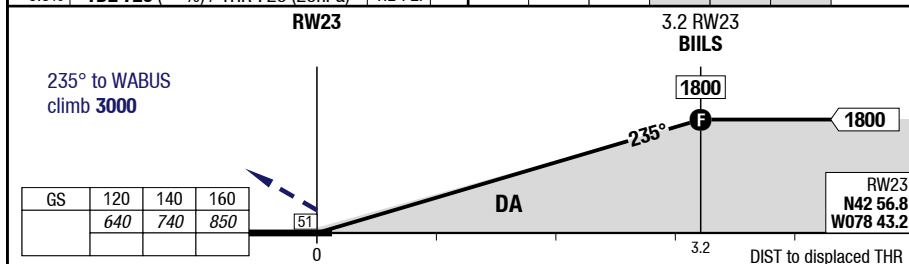
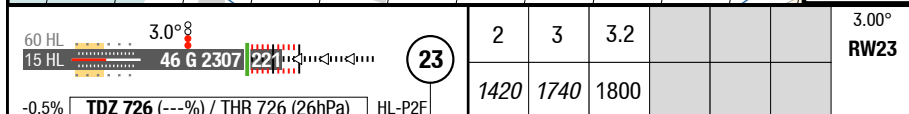
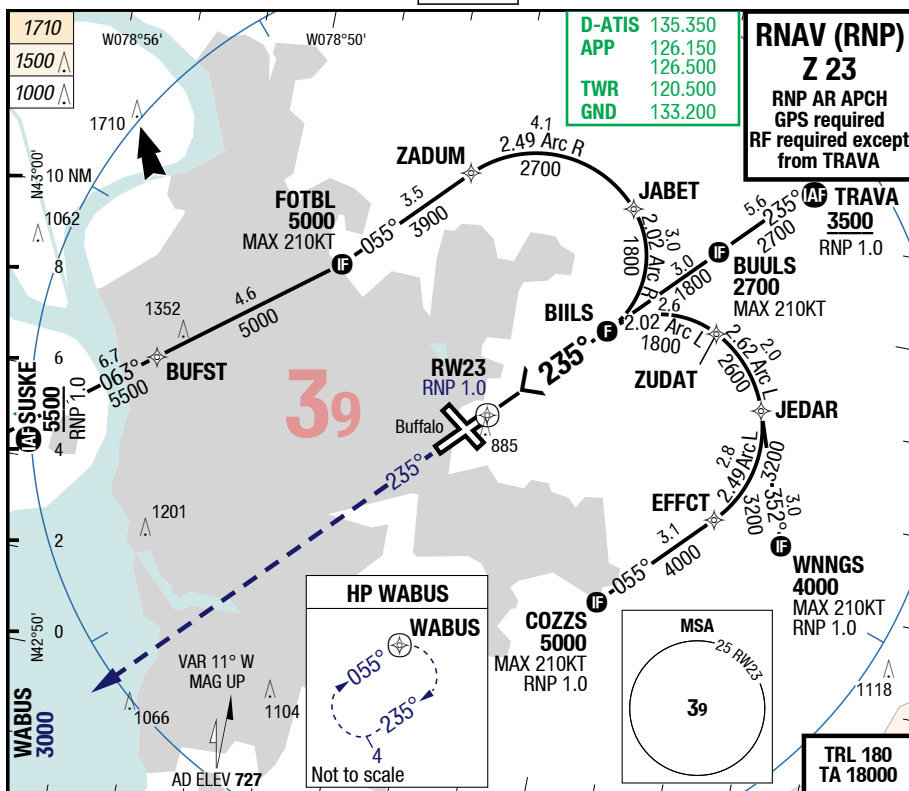
BUF-KBUF

7-50

RNAV (RNP) Z 05

7-60

RNAV (RNP) Z 23



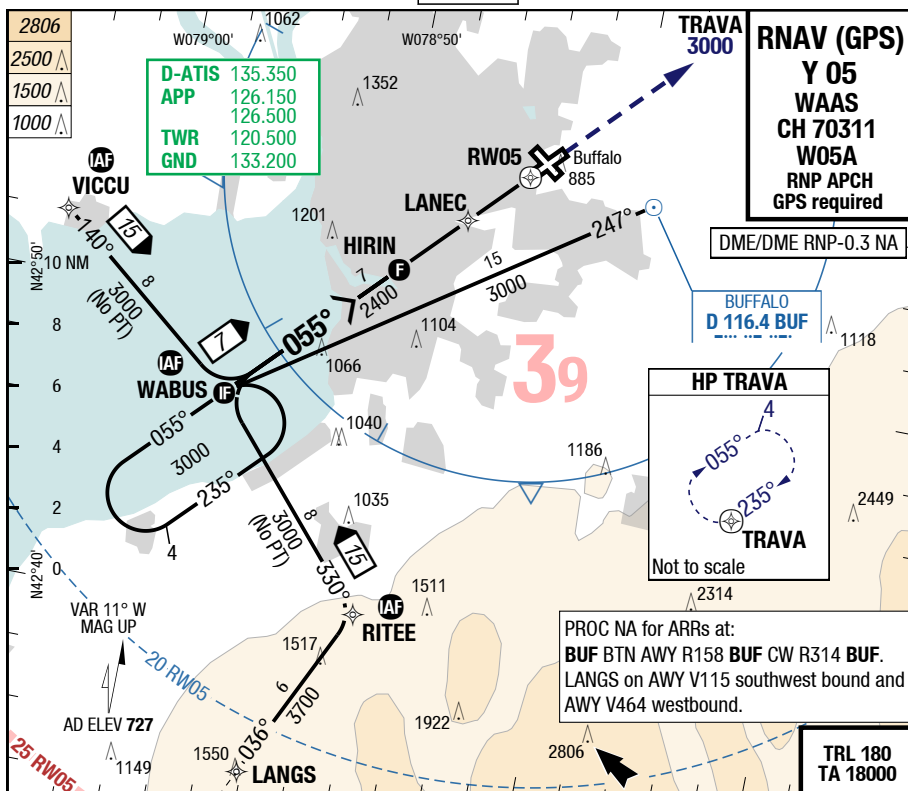
<div>TERPS</div> <div>23</div>		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.10 VNAV APL U/S 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.20 VNAV APL U/S 1)	RNAV RNP 0.30 VNAV 1)	Circling TERPS
C	ft - ft/SM ft	390 - 4500R/0.88V 1120	390 - 1.25V 1120	450 - 5500R/1.0V 1170	450 - 1.5V 1170	510 - 1.25V 1230	Not published
D	ft - ft/SM ft	390 - 4500R/0.88V 1120	390 - 1.25V 1120	450 - 5500R/1.0V 1170	450 - 1.5V 1170	510 - 1.25V 1230	Not published

1) Uncompensated Baro VNAV NA below -18°C (0°F) or above 54°C (130°F)

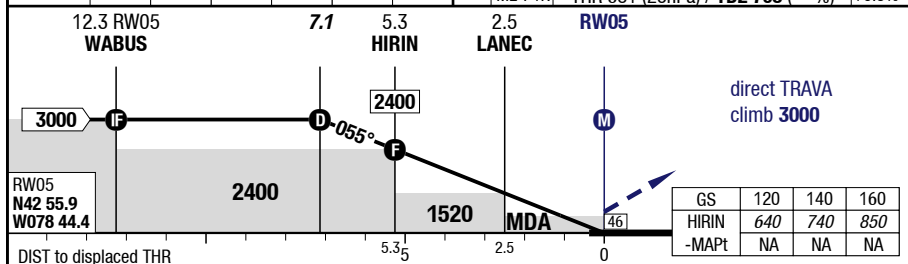
BUF-KBUF

7-70

RNAV (GPS) Y 05



3.00° RW05	7.1	6	5	4	3	2	05	83.0°	60 HL	15 HL
	3000	2640	2320	2000	1690	1370				
ML-P1R THR 681 (25hPa) / TDZ 708 (---%) +0.5%										

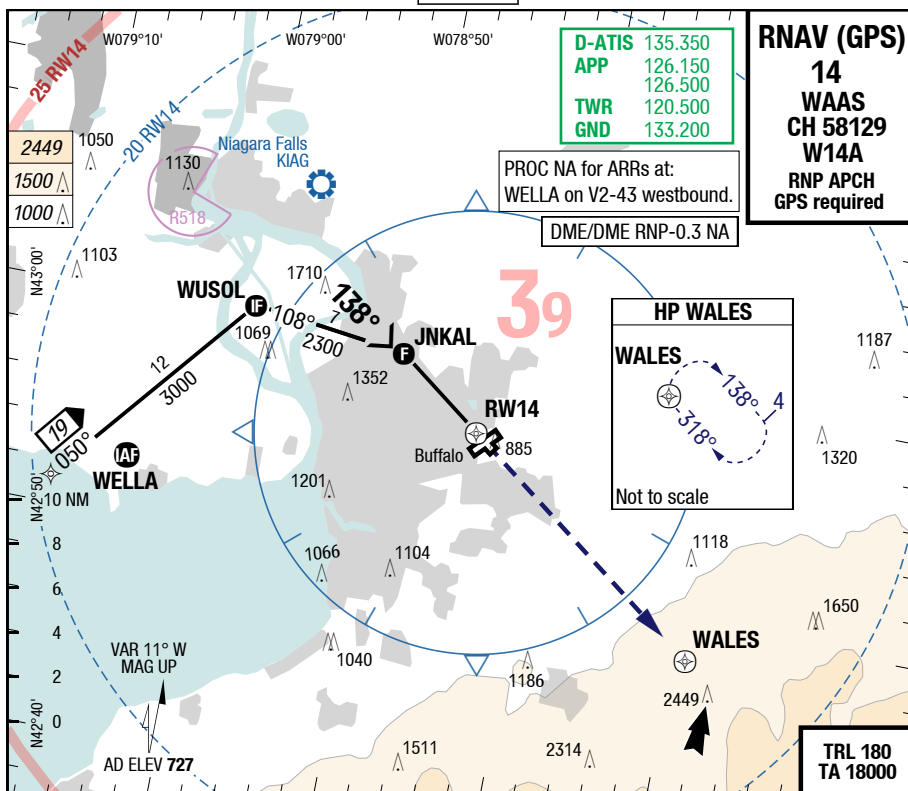


05	RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS LNAV	Circling TERPS
C	ft - ft/SM ft 200 - 1800R/0.5V 910	290 - 2400R/0.5V 1000	360 - 3500R/0.63V 1060	600 - 1.5V 1330
D	ft - ft/SM ft 200 - 1800R/0.5V 910	290 - 2400R/0.5V 1000	360 - 3500R/0.63V 1060	700 - 2.25V 1430

1) Uncompensated Baro VNAV NA below -17°C (2°F) or above 54°C (130°F)

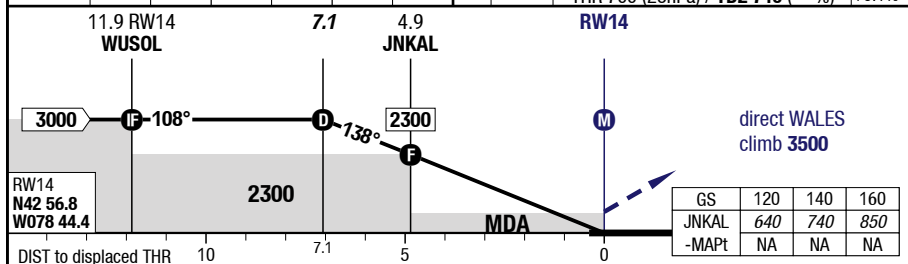
7-80

RNAV (GPS) 14



3.00° RW14	7.1	6	5	4	3	2	
	3000	2710	2350	2030	1710	1390	

THR 700 (25hPa) / **TDZ 710** (---%) +0.1%



14		RNAV GPS LP 1)	RNAV GPS LNAV 1)			Circling TERPS
C	ft - ft/SM ft	370 - 1.13V 1080	410 - 1.25V 1120			600 - 1.5V 1330
D	ft - ft/SM ft	370 - 1.13V 1080	410 - 1.25V 1120			700 - 2.25V 1430

1) HN NA when VGSI inop

Changes: Nil

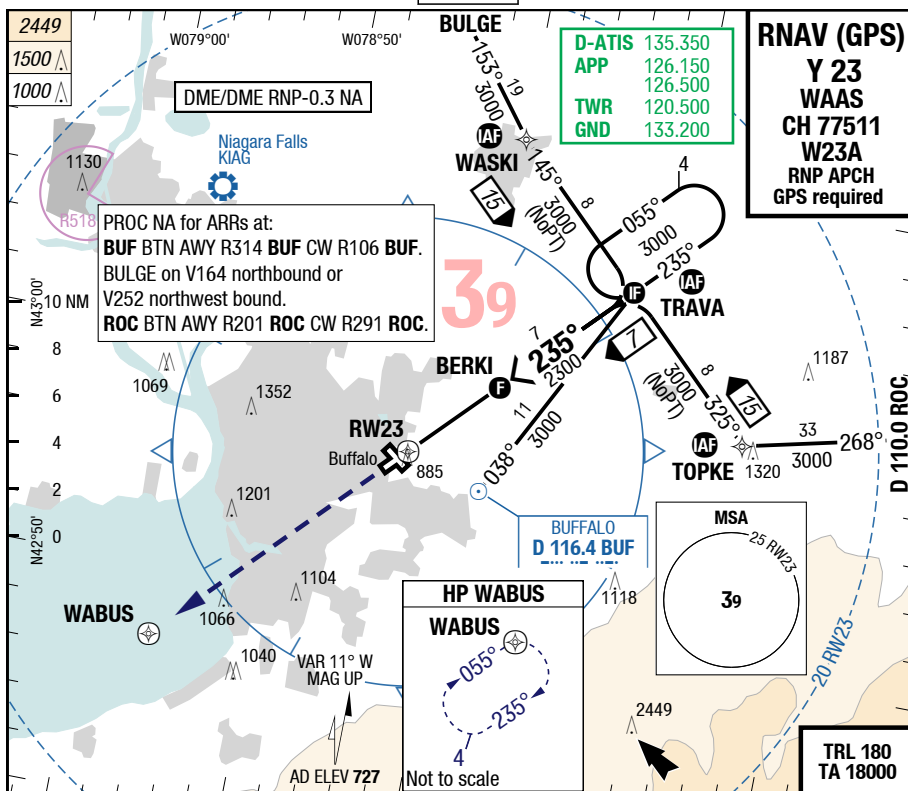
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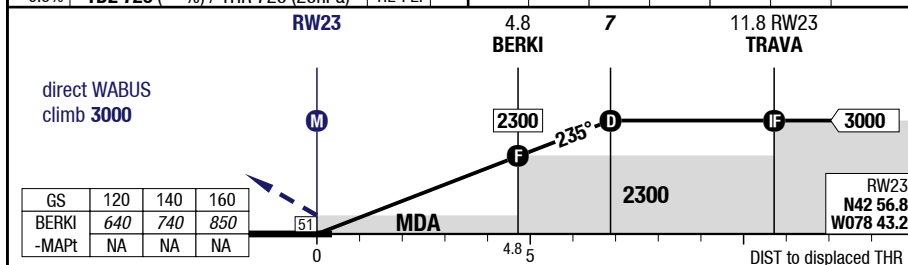
BUF-KBUF

7-90

RNAV (GPS) Y 23



60 HL	3.0° 8	2	3	4	5	6	7	3.00°
15 HL	46 G 2307	1420	1740	2050	2370	2690	3000	RW23
-0.5%	TDZ 726 (---%) / THR 726 (26hPa)	HL-P2F						



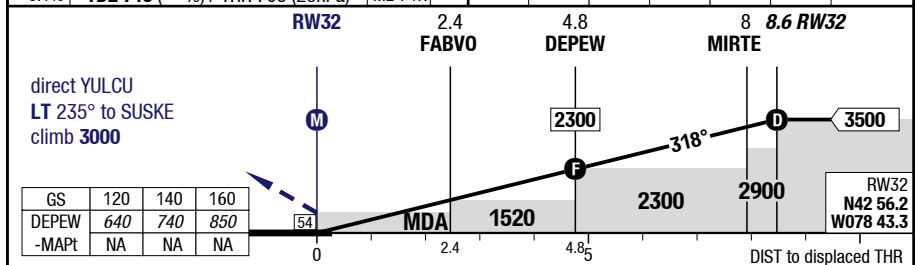
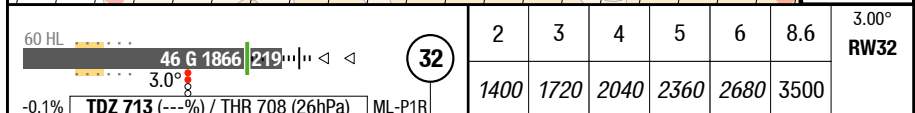
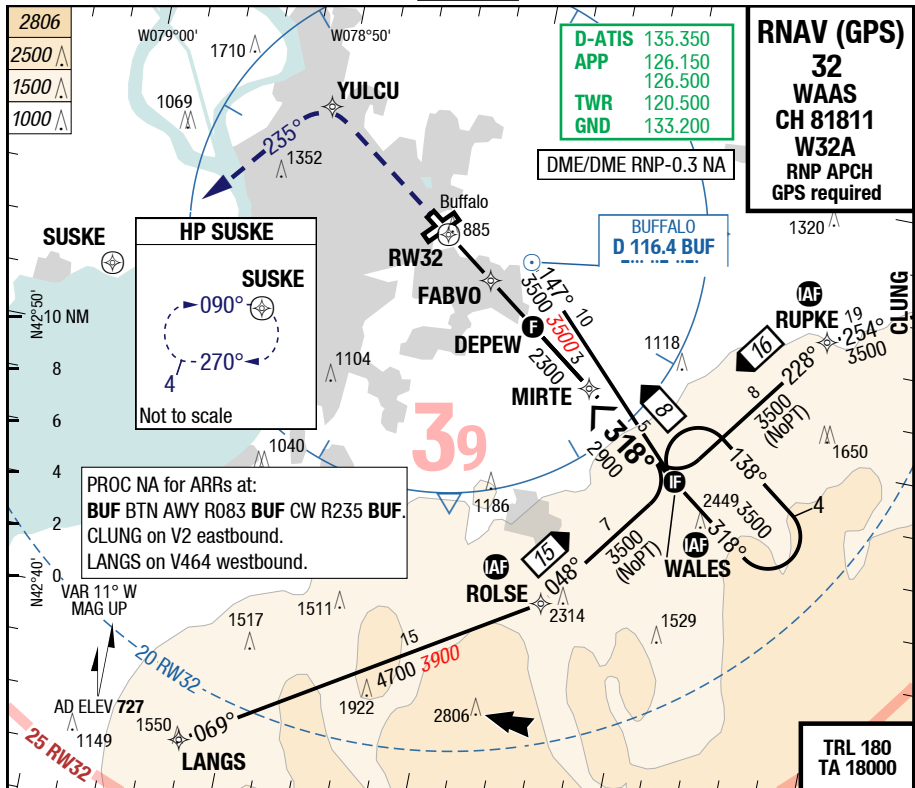
23	RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS LNAV	Circling TERPS
C	ft - ft/SM ft 200 - 1800R/0.5V 930	330 - 3000R/0.63V 1050	420 - 4000R/0.75V 1140	600 - 1.5V 1330
D	ft - ft/SM ft 200 - 1800R/0.5V 930	330 - 3000R/0.63V 1050	420 - 4000R/0.75V 1140	700 - 2.25V 1430

1) Uncompensated BARO VNAV NA below -17°C (2°F) or above 54°C (130°F)

BUF-KBUF

7-100

RNAV (GPS) 32



<div> <div>TERPS</div> <div>32</div> </div>		RNAV GPS LPV	RNAV GPS VNAV 1)	RNAV GPS VNAV APL U/S 1)	RNAV GPS LNAV		Circling
							TERPS
C	ft - ft/SM ft	200 - 0.75V 920	380 - 0.75V 1100	380 - 1.13V 1100	430 - 0.88V 1140		600 - 1.5V 1330
D	ft - ft/SM ft	200 - 0.75V 920	380 - 0.75V 1100	380 - 1.13V 1100	430 - 0.88V 1140		700 - 2.25V 1430

1) Uncompensated BARO VNAV NA below -17°C (2°F) or above 39°C (102°F)

BUF-KBUF

7-110

WxMinima Overflow

TERPS 23		RNAV RNP 0.30 VNAV APL U/S ¹⁾					
C	ft - ft/SM ft	510 - 1.75V 1230					
D	ft - ft/SM ft	510 - 1.75V 1230					
1) Uncompensated Baro VNAV NA below -18°C (0°F) or above 54°C (130°F)							