KBNA
RNAV (RNP) Z RWY 20L
HILOS TO PFAF (si)
(OBS # 13 W/250' A/C APPLIED)

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	539.9
Glidepath Angle:	3
TCH:	46.6
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,996.71'**
(*Wingspan =<136*) LTP to Origin:	**3,779.77'**
OCS Slope Ratio:	**21.69 : 1**
RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,401.13'**
(*Wingspan =<136*) LTP to Origin:	**3,945.82'**
OCS Slope Ratio:	**21.69 : 1**

Version 2.0

VEB Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	539.90
TCH (ft)	46.60
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,996.71
Obstacle Distance (ft) *(measured along-track from LTP)*	43,018.40
VEB ROC *(at obstacle)*	**510**
Glidepath MSL altitude at Obstacle	2,885.34
OCS MSL altitude at Obstacle	2,375.45

KBNA
RNAV (RNP) Z RWY 20L
CUNSU TO PFAF
(OBS # 9 W/250' A/C APPLIED)

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	539.9
Glidepath Angle:	3
TCH:	46.6
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,996.71'**
(*Wingspan =<136*) LTP to Origin:	**3,779.77'**
OCS Slope Ratio:	**21.69 : 1**
RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,401.13'**
(*Wingspan =<136*) LTP to Origin:	**3,945.82'**
OCS Slope Ratio:	**21.69 : 1**

Version 2.0

VEB Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	539.90
TCH (ft)	46.60
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,996.71
Obstacle Distance (ft) *(measured along-track from LTP)*	26,643.36
VEB ROC *(at obstacle)*	**404**
Glidepath MSL altitude at Obstacle	1,999.83
OCS MSL altitude at Obstacle	1,596.30

KBNA
RNAV (RNP) Z RWY 20L
RUDOY TO PFAF
(OBS # 19 W/500' A/C APPLIED)

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1700
LTP Elevation:	539.9
Glidepath Angle:	3
TCH:	46.6
RNP Value:	0.30
Δ ISA:	-30

Straight In Segment

(*Wingspan =<262*) LTP to Origin:	**3,996.71'**
(*Wingspan =<136*) LTP to Origin:	**3,779.77'**
OCS Slope Ratio:	**21.69 : 1**

RF Turn Segment | Bank angle:	**19.46°**
(*Wingspan =<262*) LTP to Origin:	**4,401.13'**
(*Wingspan =<136*) LTP to Origin:	**3,945.82'**
OCS Slope Ratio:	**21.69 : 1**

Version 2.0

VEB Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2500	
LTP Elevation:	9.5	
ACT:	-16.00°C	
Min Glidepath Angle	**2.75°**	
NA Below	**-15.23°C**	**4.59°F**
NA Above	**49.31°C**	**120.77°F**

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	539.90
TCH (ft)	46.60
OCS Slope	21.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,996.71
Obstacle Distance (ft) *(measured along-track from LTP)*	13,922.76
VEB ROC *(at obstacle)*	**321**
Glidepath MSL altitude at Obstacle	1,320.81
OCS MSL altitude at Obstacle	999.89