

## AD CHART

**TWR**  
**ELEV 109ft**

**MEMANBETSU AD**  
**ELEV 109ft**

**RTHL**

**VOR/DME(TBE)**

**PAPI Angle 3.0° MEHT 20.0 m(66ft)**

**WIND SPEED METER RVR WDI**

**CULO METER**

**EDGE LGT CELLO METER**

**OVERRUN AREA**

**VAR 9'W(2009) Annual change 2.1'E**

**DIMENSIONS OF RWY**  
STRENGTH OF SURFACE RWY  
MAGNETIC BRG  
THR GUND  
WIDTH & STRENGTH OF TWY  
T-1~ T-6, P1~P6  
T-B  
STRENGTH OF APRON  
A B

**INS CK point**

1	435257.24N	1440933.47E
2	435255.56N	1440933.89E
3	435253.47N	1440934.16E
4	435251.21N	1440934.53E
5	435248.95N	1440934.82E
6	435246.85N	1440935.01E

**TOWER**  
★ ABN

**APRON FLOOD LGT**

**TERMINAL**

**GP HOLD LINE**

**LONGITUDINAL PROFILE OF RWY**

**SEQUENCED FLASHING LGT (SFL-V)**

**PALS**

**LEVEL**

**0.233%**

**0.125%**

**0.198%**

**0.779%**

**102.0ft (31.1m)**

**105.5ft (32.2m)**

**105.8ft (32.3m)**

**109.3ft (33.1m)**

**109.3ft (33.1m)**

**1450m**

**1000m**

**515m**

**595m**

**2000m**

**2500m**

**18-36**

**Installed on TWY T-1~ T-6, T-B.**

**PCN 89/F/C/X/T ASPHALT CONCRETE 184/7004\***

**PCN 89/F/C/X/T**

**PCN 21/F/B/Y/T**

**PCN 74/R/B/X/T**

**PCN 21/F/B/Y/T**

**RWY Guard LGT and RWY HLDG PSN markings and MANDATORY INSTRUCTION MARKING**

STANDARD DEPARTURE CHART -INSTRUMENT

RJCM / MEMANBETSU

SID

KUSHIRO THREE DEPARTURE

RWY 18 : Climb via TBE R187/KSE R007 to KSE VOR/DME.

RWY 36 : Climb RWY HDG to 800FT, turn right HDG 217° to intercept and proceed via TBE R187/KSE R007 to KSE VOR/DME.

Note RWY18 : 3.9% climb gradient required up to 4500FT.

OBST ALT 3281FT located at 17.0NM 179° FM end of RWY18.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCM / MEMANBETSU

SID

EATAK THREE DEPARTURE

RWY 18 : Climb RWY HDG to 800FT, turn right climb via TBE R220/OBE R039 to EATAK....

RWY 36 : Climb RWY HDG to 1000FT, turn left HDG 175° to intercept and proceed via  
TBE R220/OBE R039 to EATAK....

....Cross EATAK at or above 6000FT.

Note RWY36 : 3.9% climb gradient required up to 2000FT.

OBST ALT 1181FT located at 4.5NM 290° FM end of RWY36.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCM / MEMANBETSU

SID

MEMANBETSU REVERSAL THREE DEPARTURE

RWY 18 : Climb via TBE R187 to TBE 5.0DME, turn left....

RWY 36 : Climb via TBE R001 to TBE 5.0DME, turn right,....

....Proceed to TBE VOR/DME. Cross TBE VOR/DME at or above 4000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCM / MEMANBETSU

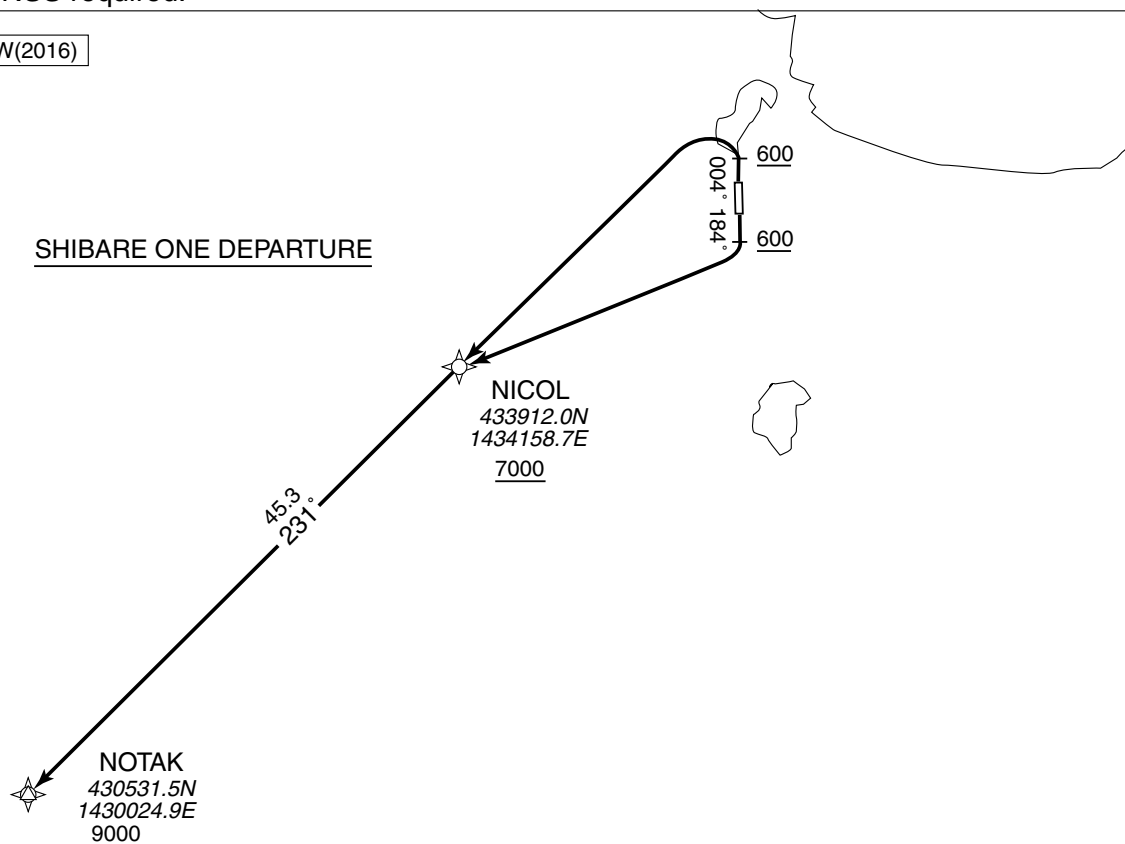
RNAV SID

## SHIBARE ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9° W(2016)

SHIBARE ONE DEPARTURE

RWY18: Climb on HDG184° at or above 600FT, turn right direct to NICOL at or above 7000FT, to NOTAK at or above 9000FT.

RWY36: Climb on HDG004° at or above 600FT, turn left direct to NICOL at or above 7000FT, to NOTAK at or above 9000FT.

Note RWY36 : 5.0% climb gradient required up to 600FT.

OBST ALT 1181FT located at 6.3NM 312° FM end of RWY36.

## RWY18

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	184 (174.7)	-9.2	—	—	+600	—	—	Basic RNP1
002	DF	NICOL	—	—	-9.2	—	R	+7000	—	—	Basic RNP1
003	TF	NOTAK	—	231 (222.1)	-9.2	45.3	—	+9000	—	—	Basic RNP1

## RWY36

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	004 (354.7)	-9.2	—	—	+600	—	—	Basic RNP1
002	DF	NICOL	—	—	-9.2	—	L	+7000	—	—	Basic RNP1
003	TF	NOTAK	—	231 (222.1)	-9.2	45.3	—	+9000	—	—	Basic RNP1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCM / MEMANBETSU

STAR

QURIO ARC ARRIVAL

From over GINGA or TSUKA, turn left via TBE 13.0DME clockwise ARC to QURIO.  
Cross QURIO at or above 4000FT.



INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

ILS Z or LOC Z RWY18



## RJCM / MEMANBETSU

ILS Y or LOC Y RWY18

[illegible]

**MISSED APPROACH**

Climb to 700FT on HDG184°,  
turn left HDG001° to intercept and  
proceed via TBE R046 to RAUSU  
and hold at 3100FT.

Contact MEMANBETSU TOWER.

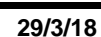
Timing not authorized for defining the MAPt

MINIMA		THR elev. 102		AD elev. 109		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	302 (200)	550	450 (341)	900	640 (531)	1600
B				1000		
C					750 (641)	2400
D					1400	760 (651)



## RJCM / MEMANBETSU

ILS or LOC RWY36



## INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

VOR RWY18



## RJCM / MEMANBETSU

VOR RWY36

**29/3/18**

## INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

➔ RNAV(RNP) RWY18

SAPPORO CONTROL  
128.325 – 246.1  
134.25 – 260.4

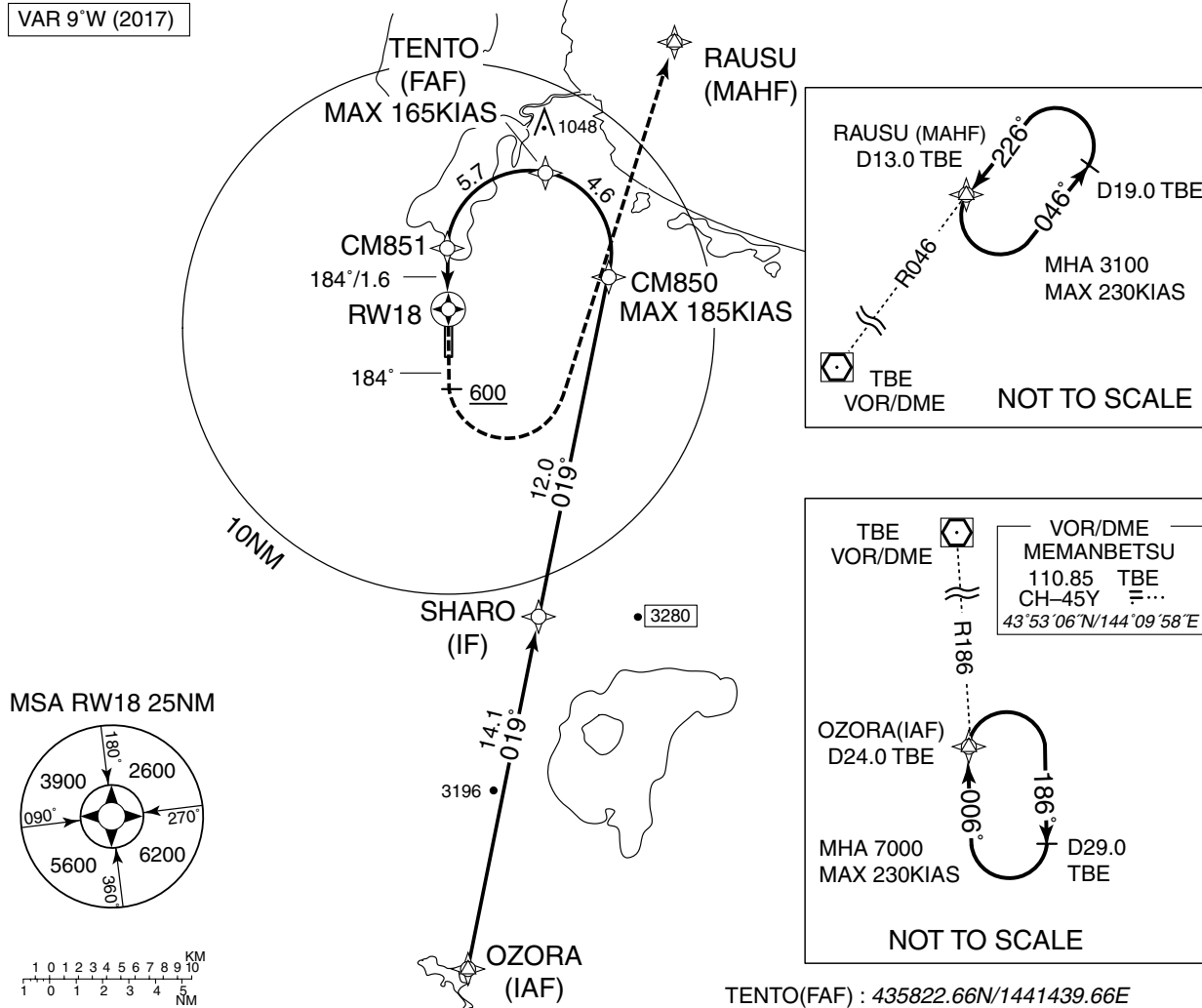
GNSS and RF required.

MEMANBETSU TOWER  
118.85 – 126.2

NO RADAR

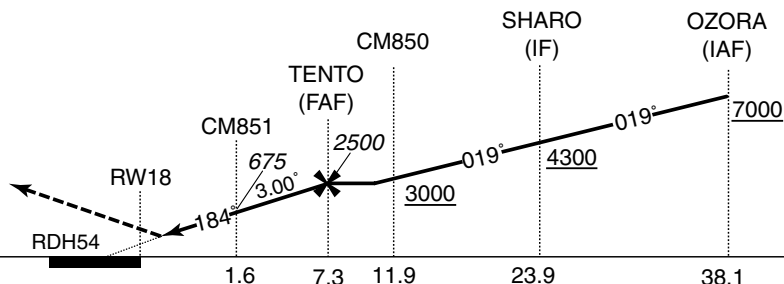
For uncompensated Baro-VNAV systems, procedure not authorized below -25°C / above 45°C

VAR 9°W (2017)



## MISSED APPROACH

From RW18 on track 184°, at or above 600FT turn left, direct to RAUSU and hold at 3100FT. Contact MEMANBETSU TOWER.



Missed APCH climb gradient MNM 3.0%

CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	—	—
B	—	—
C	402 (300)	1000
D	—	1400

MINIMA with Missed APCH climb gradient of 2.5% are not established.

**RNP AR**

Special Authorization Required

## INSTRUMENT APPROACH CHART

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➔ RNAV(RNP) RWY18

RNAV(RNP) RWY18Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	OZORA	—	—	-9.2	—	—	+7000	—	—	—
002	TF	SHARO	—	019 (009.5)	-9.2	14.1	—	+4300	—	—	1.0
003	TF	CM850	—	019 (009.6)	-9.2	12.0	—	+3000	-185	—	1.0
004	RF Center: CMRF1 r=3.04	TENTO	—	—	-9.2	4.6	L	2500	-165	—	1.0
005	RF Center: CMRF1 r=3.04	CM851	—	—	-9.2	5.7	L	675	—	-3.00	0.3
006	TF	RW18	Y	184 (174.7)	-9.2	1.6	—	156	—	-3.00/54	0.3
007	FA	—	—	184 (174.7)	-9.2	—	—	+600	—	—	1.0
008	DF	RAUSU	—	—	-9.2	—	L	3100	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
OZORA	432908.24N / 1441153.19E	CMRF1	435524.66N / 1441344.15E
SHARO	434301.91N / 1441506.66E		
CM850	435454.27N / 1441753.05E		
TENTO	435822.66N / 1441439.66E		
CM851	435507.75N / 1440932.81E		
RW18	435330.51N / 1440945.38E		
RAUSU	440327.56N / 1442052.43E		

RJCM / MEMANBETSU

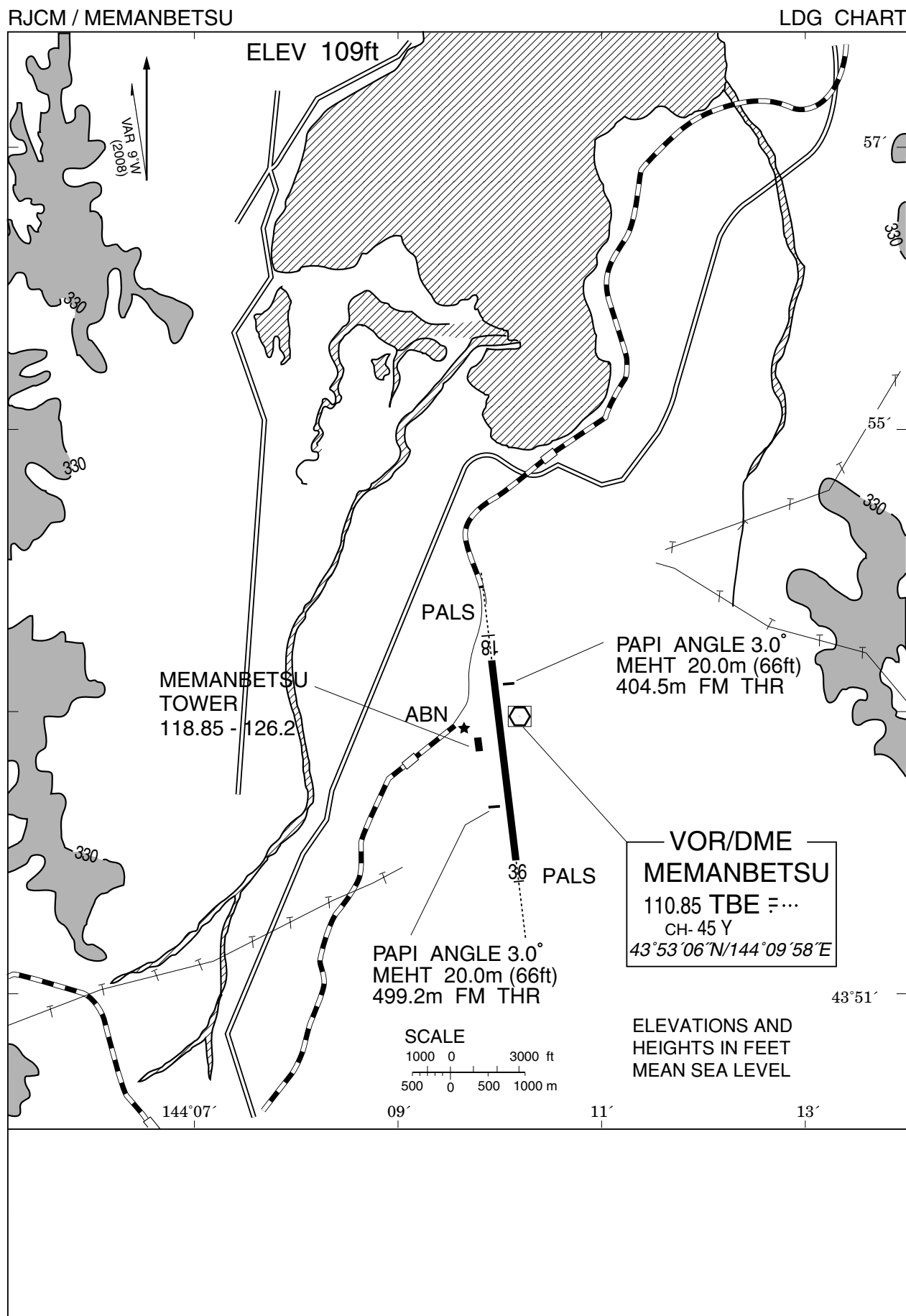
Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
網走 Abashiri	025°T / 9.2NM	JR駅 Station
湧湖 Tofutsuko	074°T / 10.5NM	湖 Lake
小清水 Koshimizu	097°T / 13.3NM	学校 School
東藻琴 Higashimokoto	110°T / 6.1NM	市街地 Town
美幌峠 Bihoro Toge	165°T / 14.4NM	峠 Pass
津別 Tsubetsu	210°T / 12.2NM	市街地 Town
美幌ステーション Bihoro Station	223°T / 3.7NM	JR駅 Station
北見 Kitami	248°T / 12.4NM	JR駅 Station
浜佐呂間 Hamasaroma	321°T / 15.5NM	佐呂間大橋 Bridge



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Minimum Vectoring Altitude CHART

