

STANDARD DEPARTURE CHART-INSTRUMENT

RJEC / ASAHIKAWA

SID

KAGRA FOUR DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left,...

RWY34 : Climb via AWE R337 to 2.3DME, turn right,...

...direct to AWE VOR/DME, via AWE R283 to KAGRA.

Cross AWE VOR/DME at or above 4000FT, cross KAGRA at or above 5000FT.

Note RWY16 : 5.3% climb gradient required up to 1600FT.

OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.

RWY34 : 5.0% climb gradient required up to 1000FT.

OBST ALT 696FT located at 1.4NM 021° FM end of RWY34.



STANDARD DEPARTURE CHART-INSTRUMENT

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SID

ASAHIKAWA REVERSAL FIVE DEPARTURE

RWY16 : Climb RWY HDG to 1600FT, turn left HDG320° to intercept and proceed ...

RWY34 : Climb via AWE R337 to 2.3DME, turn right,...

... via AWE R005 to 8.5DME, turn right, direct to AWE VOR/DME.

Cross AWE VOR/DME at or above 5000FT (8000FT for East bound).

Note RWY16 : 5.3% climb gradient required up to 1600FT.

OBST ALT 1247FT located at 2.0NM 146° FM end of RWY16.

ASAHIKAWA REVERSAL FIVE DEPARTURE

STANDARD ARRIVAL CHART-INSTRUMENT

RJEC / ASAHIKAWA

RNAV STAR RWY16

OSOBA ARRIVAL

Basic RNP1

Note GNSS required.

VAR 10° W(2017)



OSOBA ARRIVAL

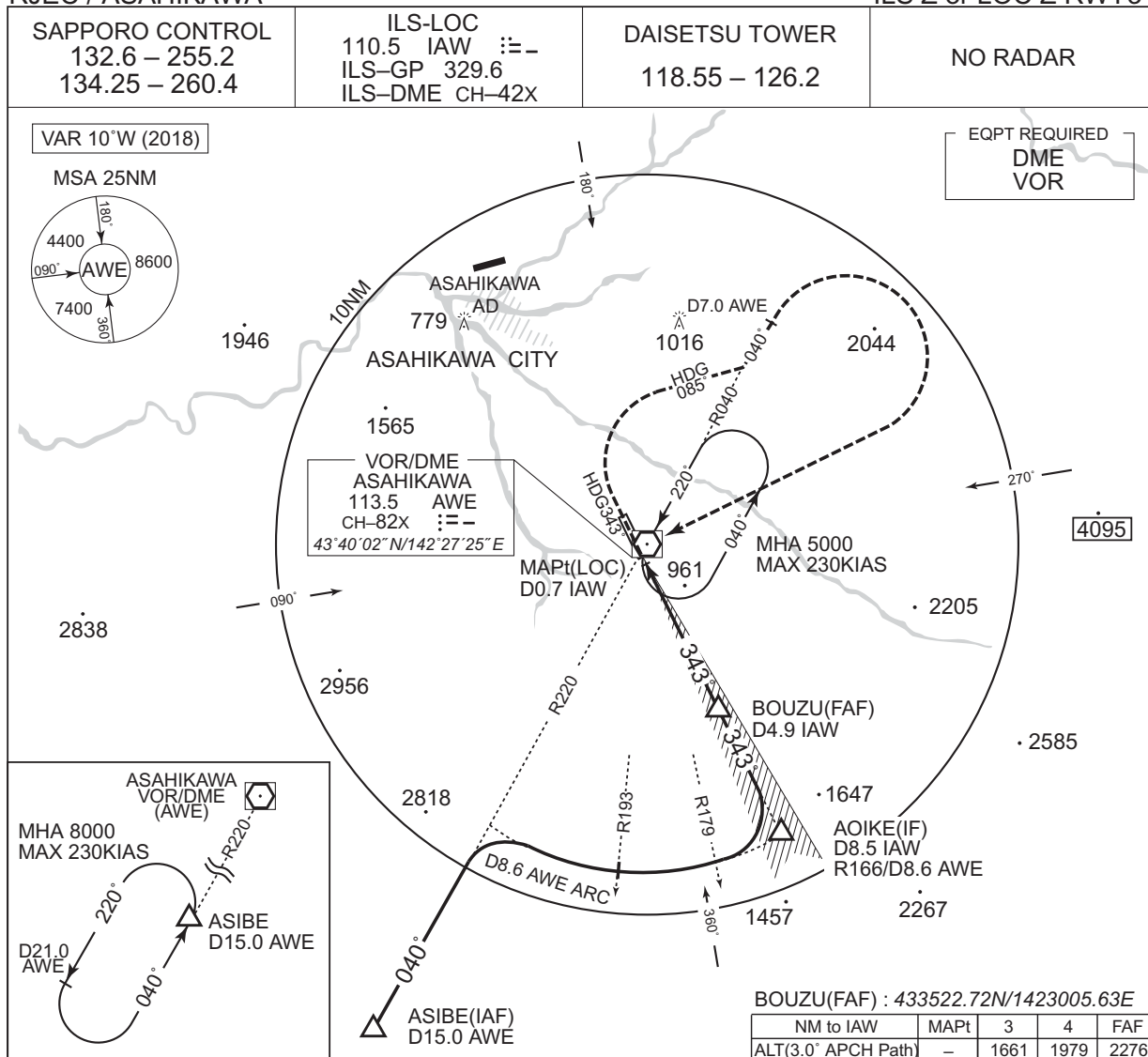
From ASIBE at or above 8000FT, to OSOBA at or above 6000FT.

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	IF	ASIBE	—	—	-9.5	—	—	+8000	—	—	Basic RNP1
002	TF	OSOBA	—	006 (356.1)	-9.5	25.5	—	+6000	—	—	Basic RNP1

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

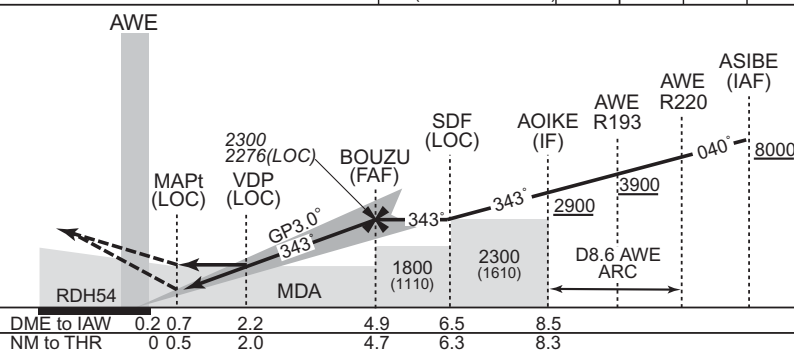
ILS Z or LOC Z RWY34



MISSED APPROACH

Climb on HDG343° to 1200FT, turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT. Contact DAISETSU TOWER.

No turn before IAW 0.7DME.



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 721		AD elev. 690	
CAT	CAT I		LOC		CIRCLING
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H) VIS
A	921(200)	550	1370(680)	1200	1370(680) 1600
B				1400	
C				1800	2400
D					3200

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

CHANGE: GP angle added.

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

ILS Y or LOC Y RWY34

SAPPORO CONTROL 132.6 – 255.2 134.25 – 260.4	ILS-LOC 110.5 IAW :≡- ILS-GP 329.6 ILS-DME CH-42X	DAISETSU TOWER 118.55 – 126.2	NO RADAR
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MISSED APPROACH

Climb on HDG343° to 1200FT, turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT. Contact DAISETSU TOWER.

No turn before IAW 0.7DME.



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 721		AD elev. 690		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	921(200)	550	1370(680)	1200	1370(680)	1600
B				1400		2400
C				1800	1560(870)	3200
D						

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

CHANGE: GP angle added.

RJEC / ASAHIKAWA

VOR A



INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

VOR B



MISSED APPROACH

Turn right HDG085° to intercept and proceed via AWE R040 to 7.0DME, turn right, direct to AWE VOR/DME and hold at 5000FT.
Contact DAISETSU TOWER.

No turn before MAPt.
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

MINIMA AD elev. 690		
CAT	CIRCLING	
	MDA(H)	VIS
A	1460(770)	1600
B		1600
C	1560(870)	2400
D		3200

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

CHANGE : VAR

INSTRUMENT APPROACH CHART

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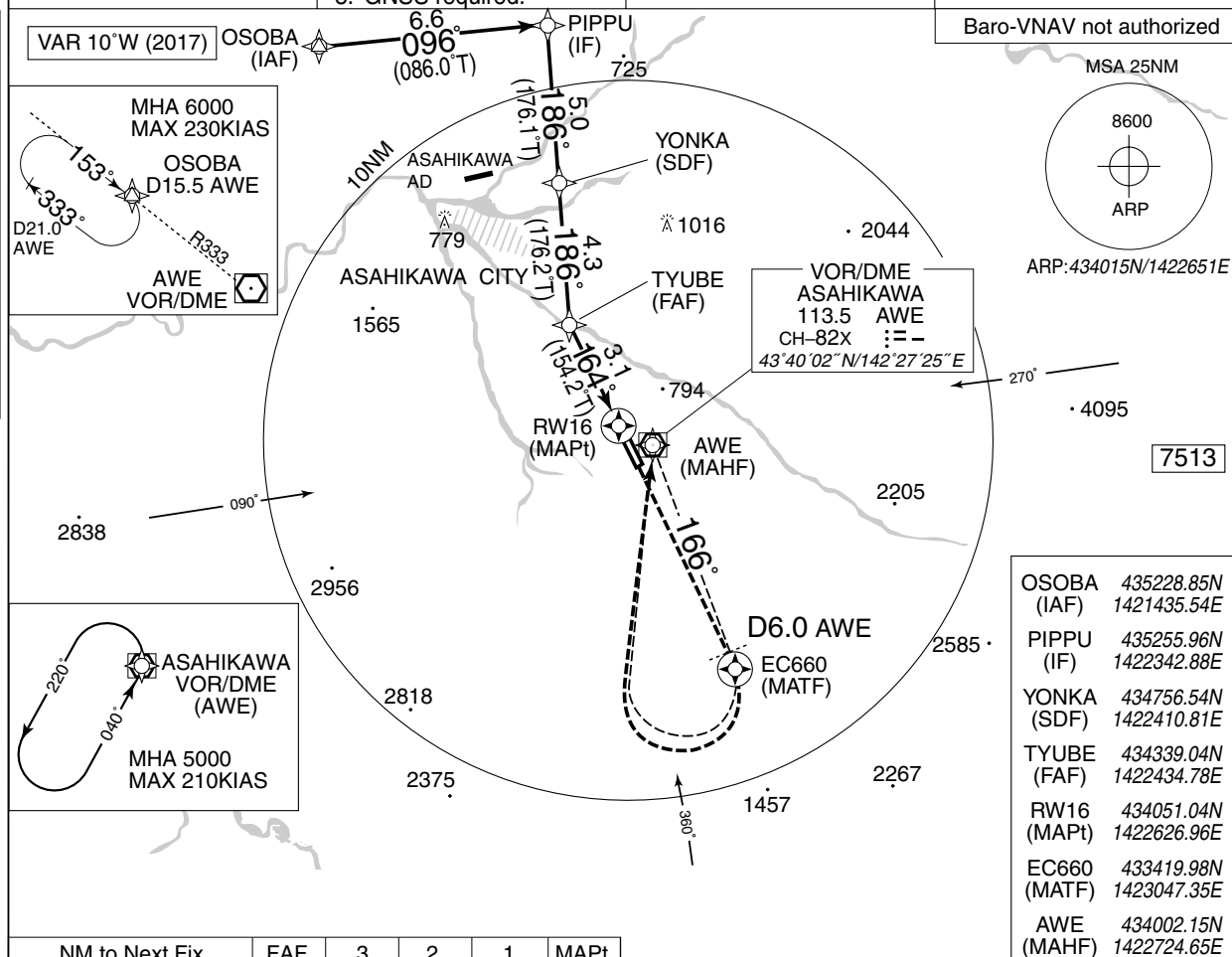
VOR C



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RNAV(GNSS) Z RWY16

SAPPORO CONTROL 132.6 – 255.2 134.25 – 260.4	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required.	DAISETSU TOWER 118.55 – 126.2	NO RADAR
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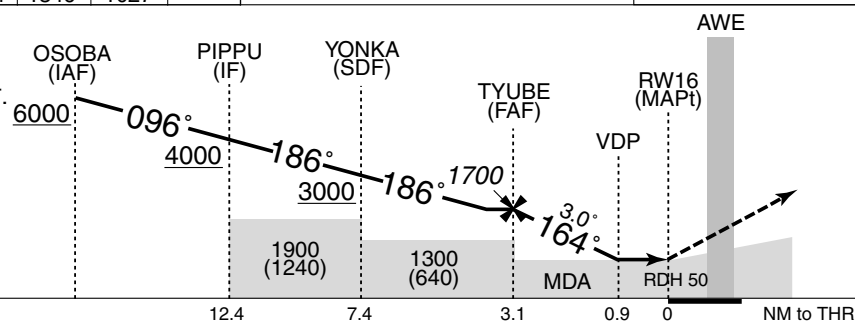


OSOB (IAF)	435228.85N 1421435.54E
PIPP (IF)	435255.96N 1422342.88E
YONK (SDF)	434756.54N 1422410.81E
TYUB (FAF)	434339.04N 1422434.78E
RW16 (MAPt)	434051.04N 1422626.96E
EC660 (MATF)	433419.98N 1423047.35E
AWE (MAHF)	434002.15N 1422724.65E

NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0° APCH Path)	1700	1664	1346	1027	–

Direct to EC660, turn right
direct to AWE and hold at 5000FT.
Contact DAISETSU TOWER.

Climb via AWE R166 to 6.0DME,
turn right, direct to AWE
VOR/DME and hold at 5000FT.
Contact DAISETSU TOWER.



Missed APCH climb gradient MNM 3.1%

MINIMA							THR elev. 660	AD elev. 690
CAT	LNAV/VNAV		LNAV		CIRCLING			
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS		
A	■ Not applicable		■ 1000 (340)		1200	1280 (590)	1600	
B					1300	1330 (640)		
C					1400	1560 (870)	2400	
D					1600		3200	

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

INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

➔ RNAV(RNP) Y RWY16



INSTRUMENT APPROACH CHART

RJEC / ASAHIKAWA

➡ RNAV(RNP) Y RWY16

RNAV (RNP) Y RWY16Coding Table

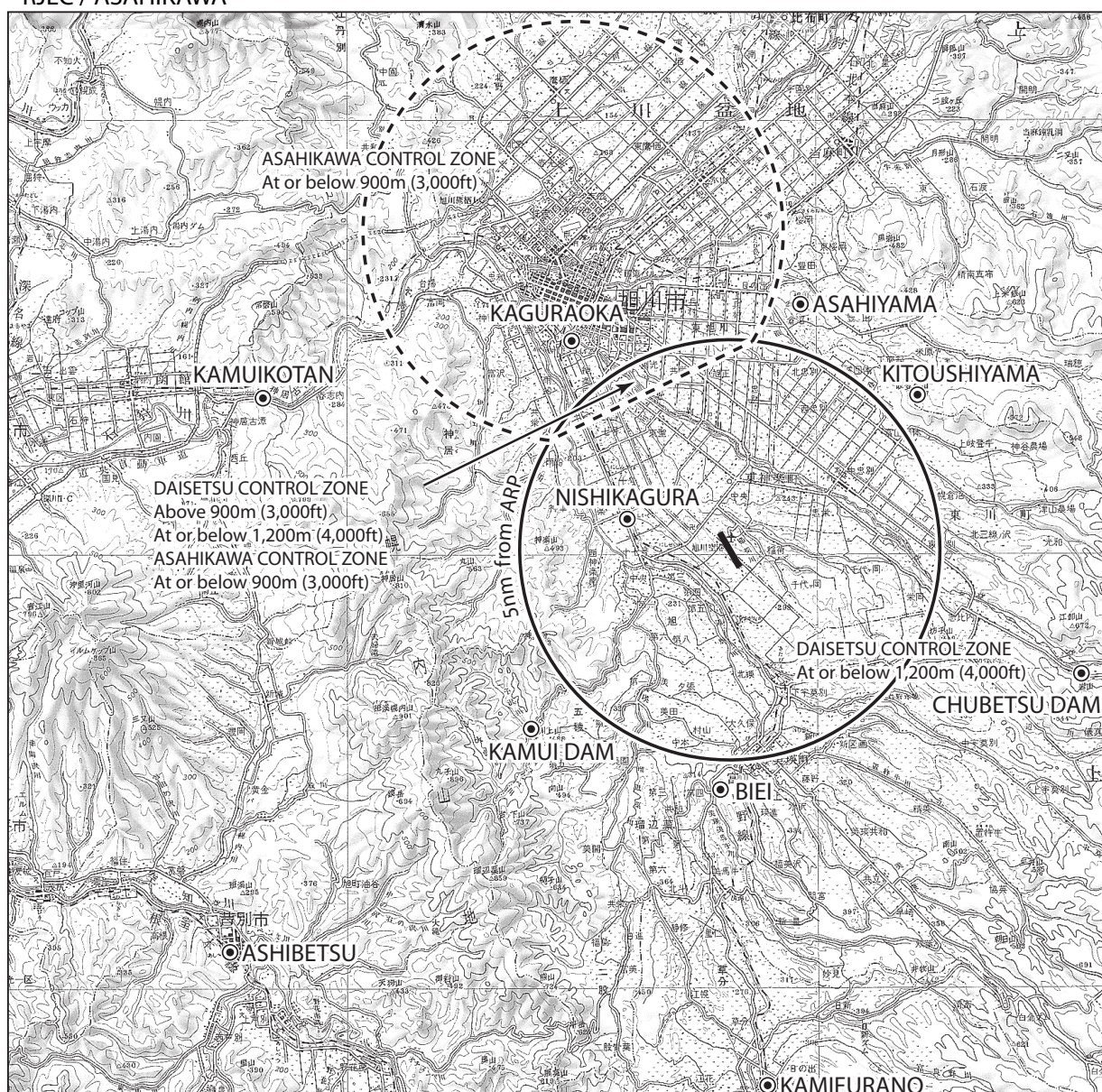
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	ASIBE	—	—	-9.5	—	—	+8000	—	—	—
002	TF	EC650	—	040 (030.1)	-9.5	8.0	—	+5000	—	—	1.0
003	TF	GORYO	—	353 (343.1)	-9.5	4.5	—	4000	—	—	1.0
004	TF	EC651	—	353 (343.0)	-9.5	2.4	—	3249	—	-3.00	0.30
005	RF Center: ECRF1 r=1.98NM	EC652	—	—	-9.5	2.8	R	2368	—	-3.00	0.30
006	TF	EC653	—	073 (063.0)	-9.5	0.6	—	2176	—	-3.00	0.30
007	RF Center: ECRF2 r=1.93NM	EC654	—	—	-9.5	3.1	R	1200	—	-3.00	0.30
008	TF	RW16	Y	164 (154.2)	-9.5	1.5	—	710	—	-3.00/50	0.30
009	CF	EC660	Y	164 (154.2)	-9.5	7.2	—	—	—	—	1.0
010	DF	AWE	—	—	-9.5	—	R	5000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ASIBE	432703.98N/1421700.93E	ECRF1	434104.78N/1422225.25E
EC650	433359.28N/1422233.14E	ECRF2	434123.69N/1422307.68E
GORYO	433814.72N/1422045.68E		
EC651	434030.03N/1421948.65E		
EC652	434250.78N/1422111.17E		
EC653	434307.07N/1422155.45E		
EC654	434214.29N/1422531.40E		
RW16	434051.04N/1422626.96E		
EC660	433419.98N/1423047.35E		
AWE	434002.15N/1422724.65E		

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Visual REP



Call sign	BRG / DIST from ARP	Remarks
旭山 Asahiyama	022°/ 6.0NM	旭山動物園 Zoo
神楽岡 Kaguraoka	332°/ 5.9NM	神楽岡公園 Park
神居古潭 Kamuikotan	298°/11.3NM	橋 Bridge
美瑛 Biei	194°/ 5.3NM	道路 (大曲) Road
西神楽 Nishikagura	296°/ 2.4NM	JR駅 Station
上富良野 Kamifurano	185°/12.4NM	JR駅 Station
芦別 Ashibetsu	240°/14.7NM	JR駅 Station
忠別ダム Chubetsu dam	119°/ 8.3NM	ダム Dam
神居ダム Kamui dam	237°/ 6.1NM	ダム Dam
岐登牛山 Kitoushiyama	060°/ 5.6NM	スキー場 Ski ground

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Minimum Vectoring Altitude CHART

