

RJSF / FUKUSHIMA

AD CHART



STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

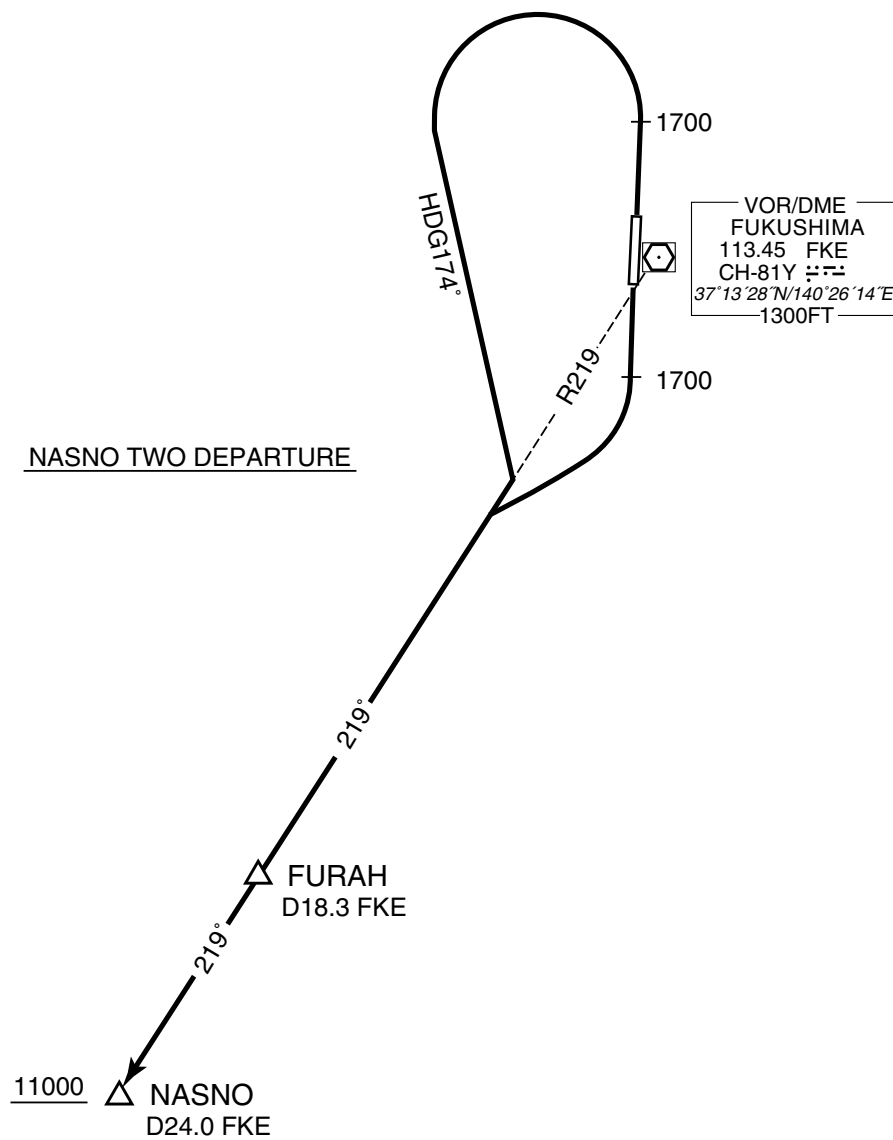
SID

NASNO TWO DEPARTURE

RWY01 : Climb RWY HDG to 1700FT, turn left HDG174°...

RWY19 : Climb RWY HDG to 1700FT, turn right...

...to intercept and proceed via FKE R219 to NASNO via FURAH.  
Cross NASNO at or above 11000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

SID

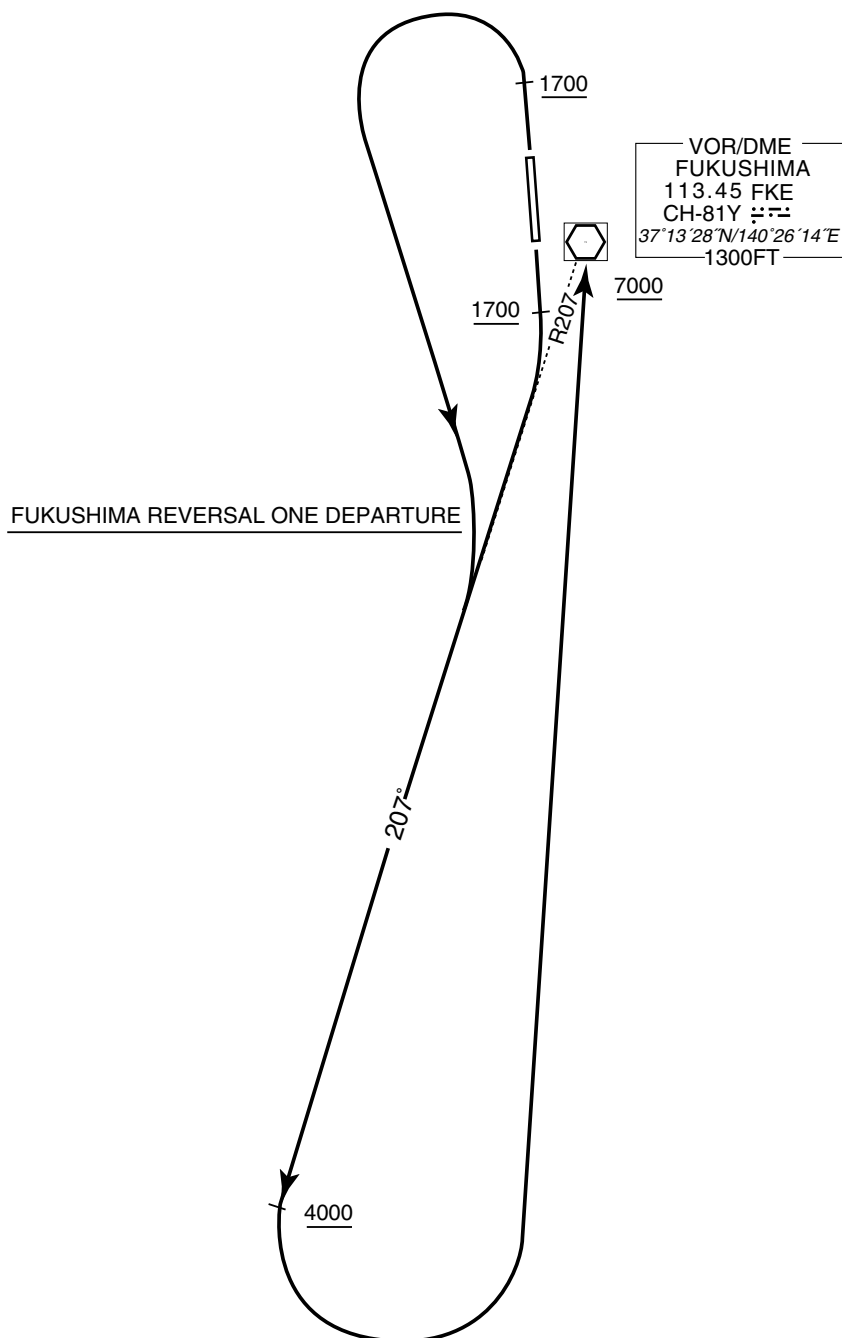
FUKUSHIMA REVERSAL ONE DEPARTURE

RWY 01 : Climb RWY HDG to 1700FT, turn left, ...

RWY 19 : Climb RWY HDG to 1700FT, turn right, ...

... via FKE R207 to 4000FT, turn left, direct to FKE VOR/DME.

Cross FKE VOR/DME at or above 7000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

TRANSITION

HATRI TRANSITION

From over FKE VOR/DME, climb via FKE R313 to HATRI. Cross FKE R313/9.0DME at or above 9000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

SOUTH ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 8°W (2016)

SOUTH ONE DEPARTURE

RWY01 : Climb on HDG010° at or above 1700FT, turn left direct to SF100, to NASNO at or above 11000FT.

RWY19 : Climb on HDG190° at or above 1700FT, turn right direct to NASNO at or above 11000FT.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

SOUTH ONE DEPARTURE

## RWY01

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	—	—	010 (002.2)	-7.8	—	—	+1700	—	—	Basic RNP1
002	DF	SF100	—	—	-7.8	—	L	—	—	—	Basic RNP1
003	TF	NASNO	—	208 (200.1)	-7.8	18.1	—	+11000	—	—	Basic RNP1

## RWY19

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	—	—	190 (182.2)	-7.8	—	—	+1700	—	—	Basic RNP1
002	DF	NASNO	—	—	-7.8	—	R	+11000	—	—	Basic RNP1

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

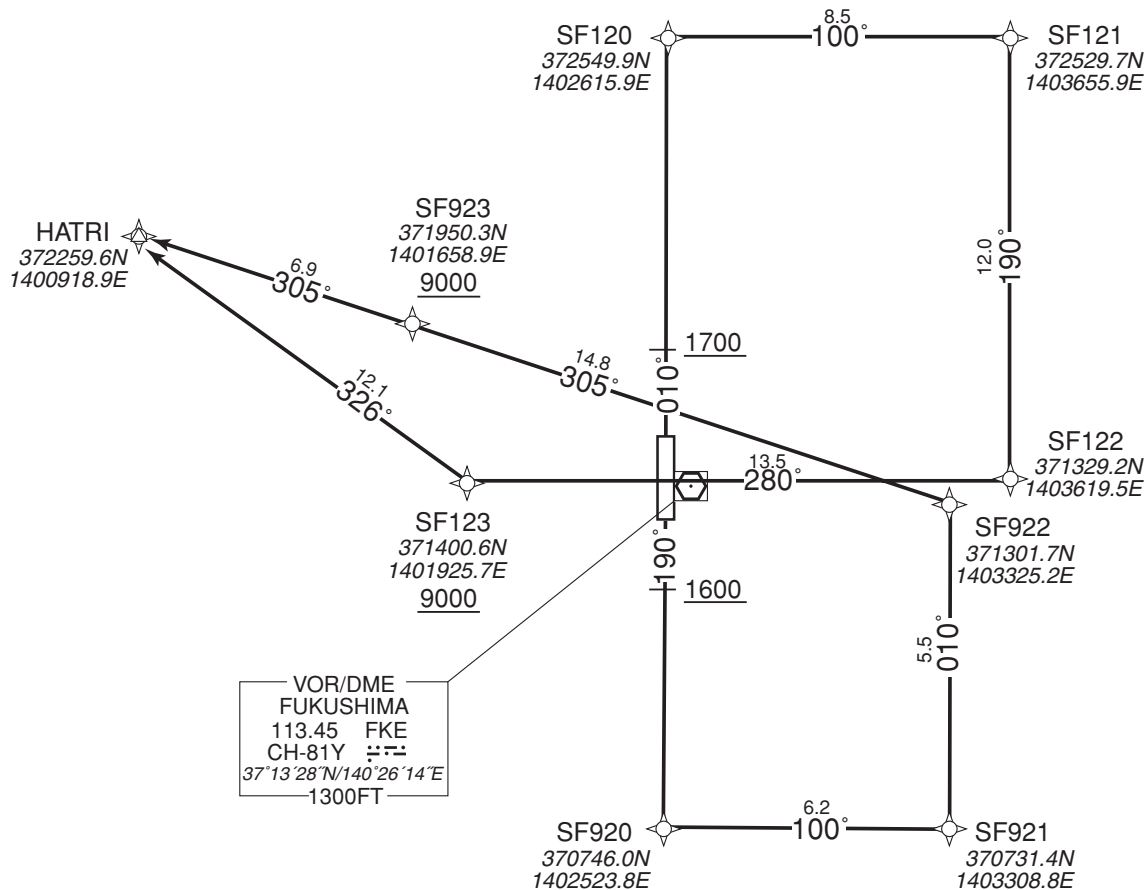
## WEST ONE DEPARTURE

## Basic RNP1

Note GNSS required.

VAR 8°W (2016)

## WEST ONE DEPARTURE



## WEST ONE DEPARTURE

RWY01 : Climb on HDG010° at or above 1700FT, direct to SF120, to SF121, to SF122, to SF123 at or above 9000FT, to HATRI.

RWY19 : Climb on HDG190° at or above 1600FT, direct to SF920, to SF921, to SF922, to SF923 at or above 9000FT, to HATRI.

Note RWY19 : 3.9% climb gradient required up to 2800FT.

OBST ALT 2577FT located at 7.1NM 144° FM end of RWY19.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV SID

WEST ONE DEPARTURE

## RWY01

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	—	—	010 (002.2)	-7.8	—	—	+1700	—	—	Basic RNP1
002	DF	SF120	—	—	-7.8	—	—	—	—	—	Basic RNP1
003	TF	SF121	—	100 (092.2)	-7.8	8.5	—	—	—	—	Basic RNP1
004	TF	SF122	—	190 (182.3)	-7.8	12.0	—	—	—	—	Basic RNP1
005	TF	SF123	—	280 (272.3)	-7.8	13.5	—	+9000	—	—	Basic RNP1
006	TF	HATRI	—	326 (318.2)	-7.8	12.1	—	—	—	—	Basic RNP1

## RWY19

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	—	—	190 (182.2)	-7.8	—	—	+1600	—	—	Basic RNP1
002	DF	SF920	—	—	-7.8	—	—	—	—	—	Basic RNP1
003	TF	SF921	—	100 (092.2)	-7.8	6.2	—	—	—	—	Basic RNP1
004	TF	SF922	—	010 (002.3)	-7.8	5.5	—	—	—	—	Basic RNP1
005	TF	SF923	—	305 (297.6)	-7.8	14.8	—	+9000	—	—	Basic RNP1
006	TF	HATRI	—	305 (297.4)	-7.8	6.9	—	—	—	—	Basic RNP1



STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

STAR

OKUJI ARRIVAL

From over OKUJI, via IXE R241 to intercept and proceed via FKE R192 to SOUMA.  
Cross SOUMA at or above 4600FT.



## STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH NORTH ARRIVAL  
SOUMA NORTH ARRIVAL

Basic RNP1

Note GNSS required.

VAR 8°W (2016)

WAKAH NORTH ARRIVAL9.9 for WAKAH  
31.5 for ADTRAHERON  
373155.9N  
1403555.6E  
8000

190°

WAKAH  
372200.3N  
1403525.6E  
5200VOR/DME  
FUKUSHIMA  
113.45 FKE  
CH-81Y 𠄎𠄎𠄎  
37°13'28"N/140°26'14"E  
1300FTSOUMA NORTH ARRIVALSOUMA  
370045.1N  
1402503.6E  
46007.4  
280°ADTRA  
370027.6N  
1403420.9E

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH NORTH ARRIVAL

From HERON at or above 8000FT, to WAKAH at or above 5200FT.

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	HERON	—	—	-7.8	—	—	+8000	—	—	Basic RNP1
002	TF	WAKAH	—	190 (182.3)	-7.8	9.9	—	+5200	—	—	Basic RNP1

SOUMA NORTH ARRIVAL

From HERON at or above 8000FT, to ADTRA, to SOUMA at or above 4600FT.

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	HERON	—	—	-7.8	—	—	+8000	—	—	Basic RNP1
002	TF	ADTRA	—	190 (182.3)	-7.8	31.5	—	—	—	—	Basic RNP1
003	TF	SOUMA	—	280 (272.3)	-7.8	7.4	—	+4600	—	—	Basic RNP1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH SOUTH ARRIVAL  
SOUMA SOUTH ARRIVAL

Basic RNP1

Note GNSS required.

VAR 8°W (2016)



## STANDARD ARRIVAL CHART-INSTRUMENT

RJSF / FUKUSHIMA

RNAV STAR RWY01/19

WAKAH SOUTH ARRIVAL

From DAIGO, to WISHU, to WAKAH at or above 5200FT.

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	DAIGO	—	—	-7.8	—	—	—	—	—	Basic RNP1
002	TF	WISHU	—	033 (024.8)	-7.8	26.1	—	—	—	—	Basic RNP1
003	TF	WAKAH	—	010 (002.3)	-7.8	13.7	—	+5200	—	—	Basic RNP1

SOUMA SOUTH ARRIVAL

From DAIGO, to SOUMA at or above 4600FT.

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	DAIGO	—	—	-7.8	—	—	—	—	—	Basic RNP1
002	TF	SOUMA	—	019 (011.4)	-7.8	16.4	—	+4600	—	—	Basic RNP1

## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

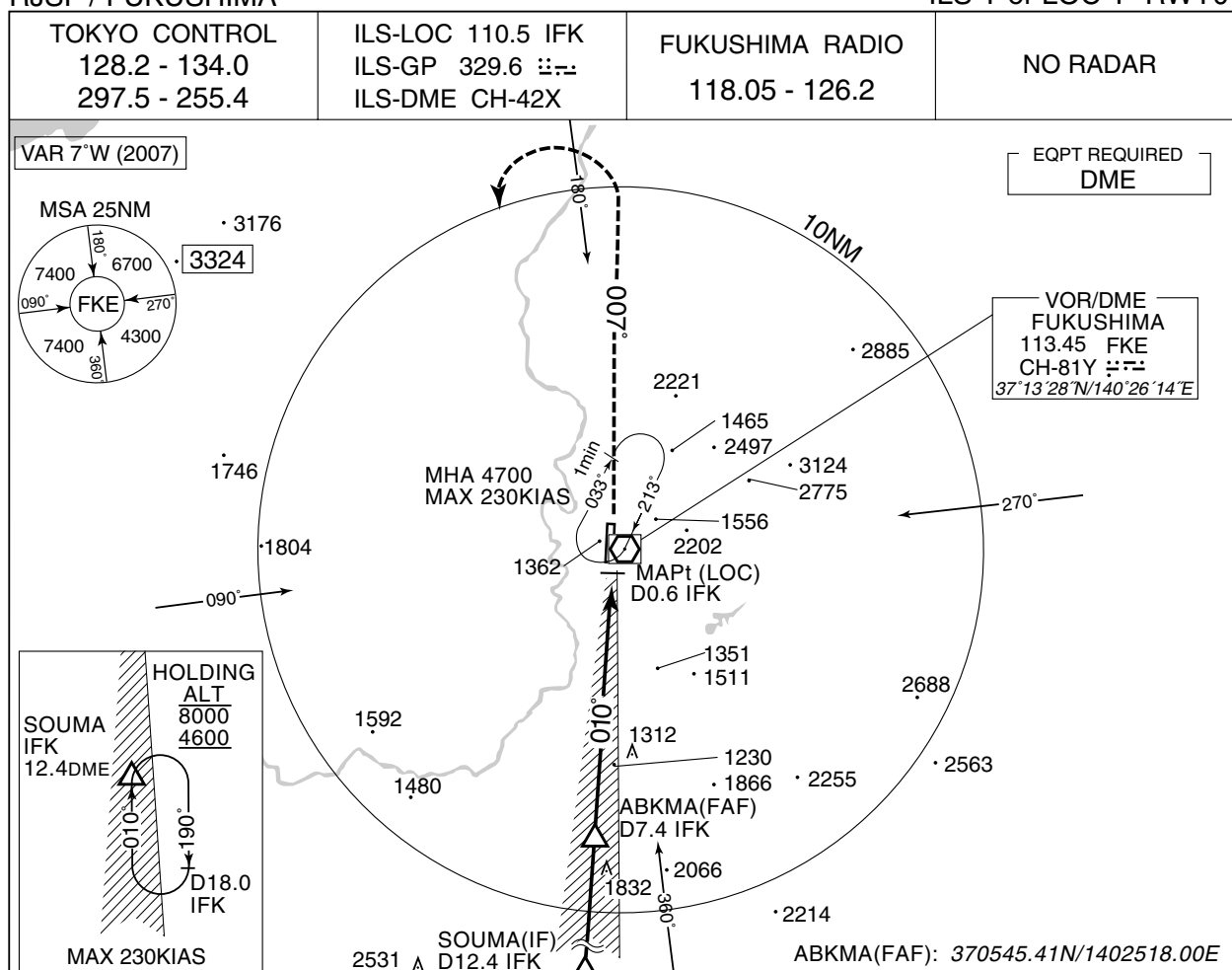
ILS Z or LOC Z RWY01



## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

ILS Y or LOC Y RWY01

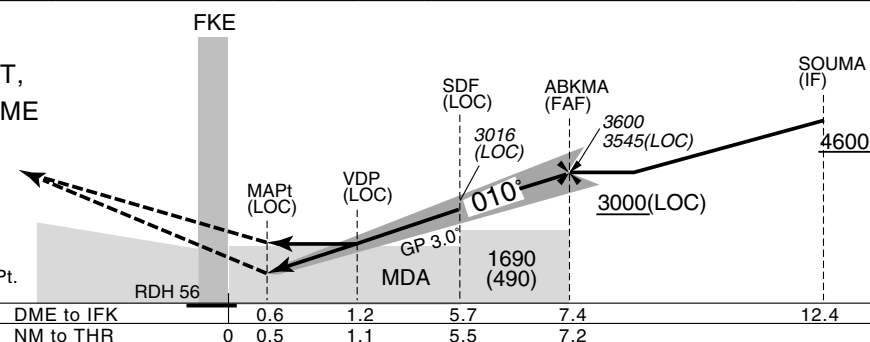


## MISSED APPROACH

Climb via FKE R007 to 3000FT,  
turn left, direct to FKE VOR/DME  
hold at 4700FT.

Contact FUKUSHIMA RADIO.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 4.0%

MINIMA THR elev. 1200 AD elev. 1220

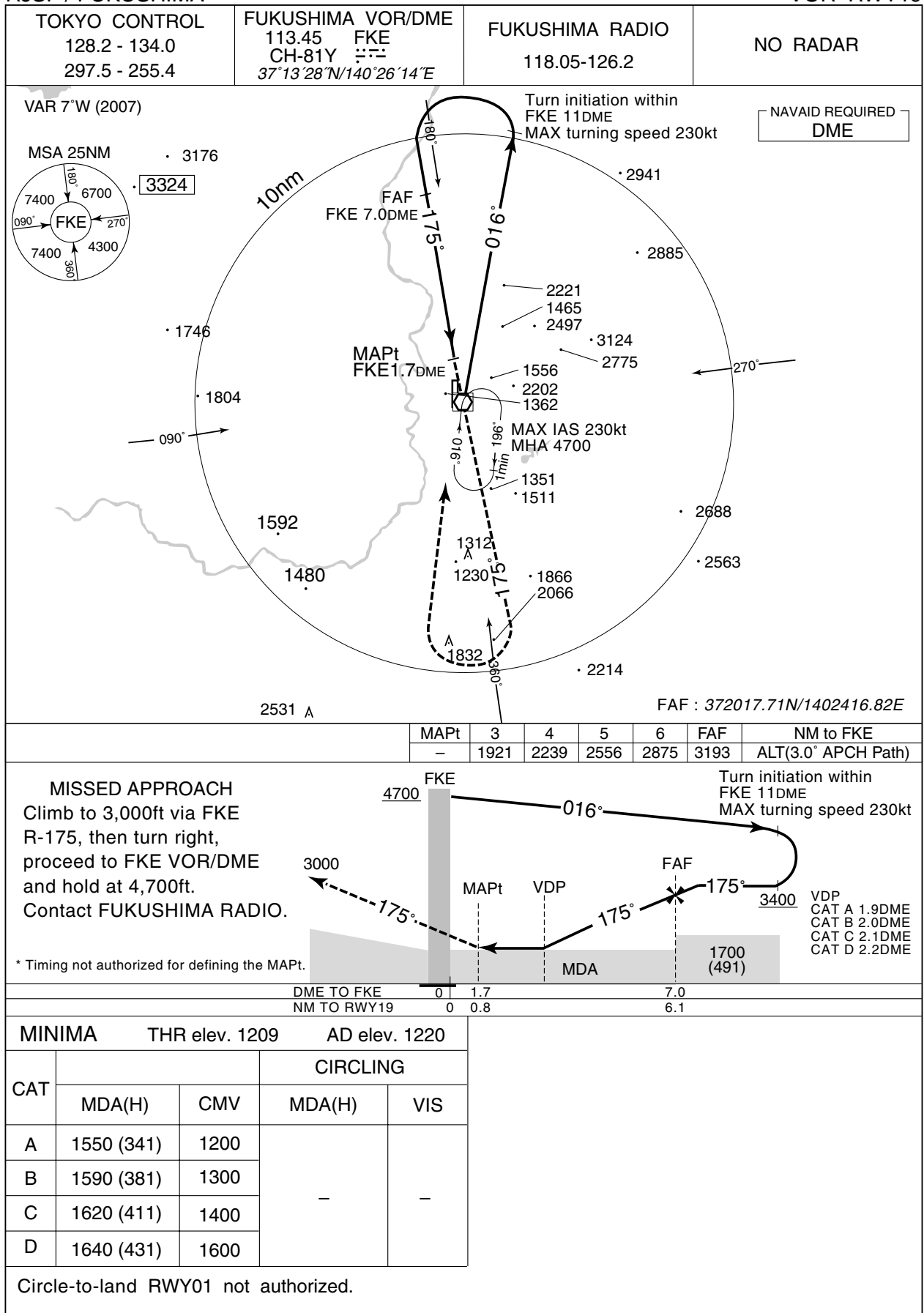
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	1400 (200)	550	1560 (360)	900	-	-
B				1000		
C				1000		
D				1400		

Missed APCH climb gradient of 4.0% up to 3000FT.  
MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circle-to-land RWY19 not authorized.

## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

VOR RWY19





## INSTRUMENT APPROACH CHART

RJSF / FUKUSHIMA

VOR A



## RJSF / FUKUSHIMA

**TOKYO CONTROL**  
128.2 - 134.0  
297.5 - 255.4

**FUKUSHIMA RADIO**  
118.05 - 126.2

**NO RADAR**

Baro-VNAV not authorized below -15°C

VAR 8°W (2016)

**WAKAH 372200.29N 1403525.61E (IAF)**  
**SF950 372207.45N 1403139.90E (SDF)**  
**MATUN 372217.83N 1402605.67E (IF)**  
**KAZMI 371735.59N 1402552.09E (FAF)**  
**SF951 371431.27N 1402543.23E (MAPt)**  
**SF952 370929.79N 1402528.76E (MATF)**  
**FKE 371327.50N 1402613.51E (MAHF)**

MSA 25NM  
7400  
ARP  
ARP : 371339N/1402541E

**VOR/DME FUKUSHIMA**  
113.45 FKE  
CH-81Y  
37°13'28"N/140°26'14"E

**FUKUSHIMA VOR/DME (FKE)**

**FUKUSHIMA VOR/DME (FKE)**

**MISSED APPROACH**  
Climb direct to SF952, turn left direct to FKE and hold at 4700FT.  
Contact FUKUSHIMA RADIO.  
(For using VOR/DME)  
Climb via FKE R196 to FKE 4.0DME, turn left, direct to FKE VOR/DME and hold at 4700FT.  
Contact FUKUSHIMA RADIO.

**VDP**  
0.8NM to THR (CAT A)  
0.9NM to THR (CAT B,C)  
1.0NM to THR (CAT D)

**FKE**  
SF951 (MAPt)  
KAZMI (FAF)  
MATUN (IF)  
SF950 (SDF)  
WAKAH (IAF)

**VDP (LNAV)**  
2300  
2100 (891)  
MDA  
RDH 50

**NM to Next Fix**  
ALT(3.0° APCH Path)

NM to Next Fix	MAPt	1	2	3	FAF
ALT(3.0° APCH Path)	-	1641	1959	2278	2300

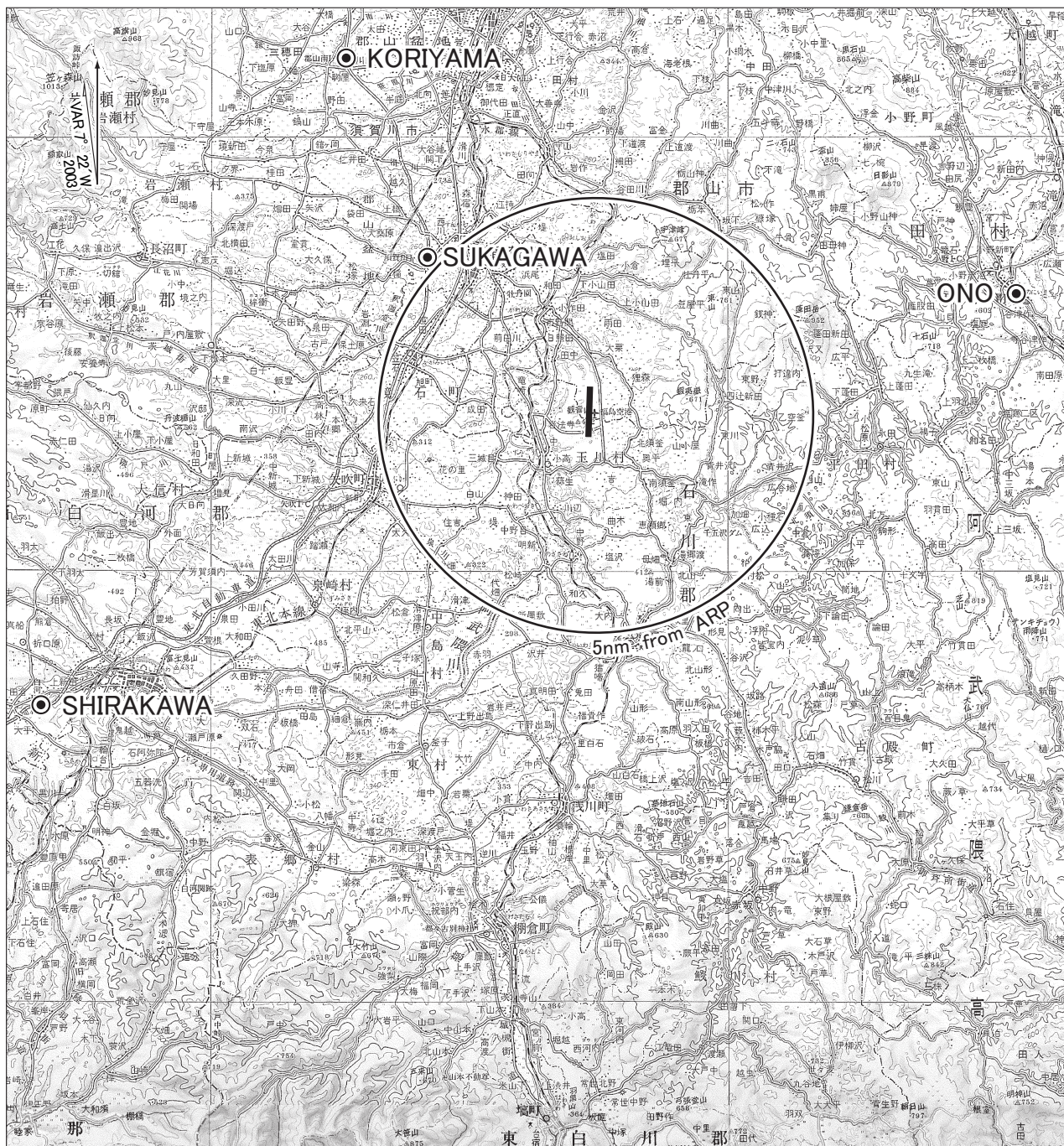
**MISSED APCH climb gradient MNM 3.0%**

MINIMA	THR elev.1209		AD elev.1220		
CAT	LNAV/VNAV		LNAV		CIRCLING
	DA(H)	CMV	MDA(H)	CMV	MDA(H) VIS
A	1520 (311)	1200	1520 (311)	1200	1670 (450) 1600
B	1540 (331)	1300	1540 (331)	1300	
C	1560 (351)	1400	1560 (351)	1400	
D	1580 (371)	1600	1580 (371)	1600	1770 (550) 3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circling to WEST side of RWY only.

RJSF / FUKUSHIMA

Visual REP



Call sign	BRG / DIST from ARP	Remarks
小 野 Ono	081° /10.3NM	JR小野新町駅 Station
白 河 Shirakawa	249° /14.2NM	白河IC Interchange
須 賀 川 Sukagawa	322° /5.2NM	須賀川IC Interchange
郡 山 Koriyama	333° /10.0NM	郡山南IC Interchange





Note : RWY may be invisible on down-wind leg of westside traffic pattern depending on altitude.

RJSF / FUKUSHIMA

Minimum Vectoring Altitude CHART

CHANGE : Shape of Minimum Vectoring Altitude.

