

## AD CHART

CHITOSE AD



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## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

TOKACHI ONE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right climb via HDG 130 DEG to intercept and proceed via....

RWY 18R/18L : Climb via RWY HDG to 500ft or above, turn left climb via HDG 130 DEG to intercept and proceed via....

...CHE R-088 to BOKSO or CHE R-097 to RAKNO.

Cross CHE R-088/12DME or CHE R-097/12DME at or below 5,000ft.

Cross CHE R-088/22DME or CHE R-097/22DME between 9,000ft and 11,000ft.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJ CJ / CHITOSE

SID

TOBBY SEVEN DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end), then via CHE R-185 to TOBBY.

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft.

Cross CHE R-185/6DME at or above 6,000ft.

Cross CHE R-185/11DME at or above 7,000ft.

RWY 18R/18L : Climb direct to CHE VOR/DME, then via CHE R-185 to TOBBY.

Cross CHE R-185/27DME at or below 11,000ft.

Note : Aircraft unable to comply with the flight restriction, inform ATC for alternate procedure before departure.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

TEKKO NINE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....Turn right via CHE R-256 to TEKKO.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

HAKODATE FOUR DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....then via CHE R-224 to HWE VOR/DME.

HAKODATE FOUR DEPARTURE

## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

CHITOSE REVERSAL TWO DEPARTURE

RWY 36R/36L : Climb via ZYT R-360, turn right to intercept and proceed via ZYT R-030 to ZYT TACAN within ZYT 25DME.

Cross ZYT R-360 / 15DME at or above 10,000 ft.

Cross ZYT R-030 / 5DME at specified altitude.

RWY 18R/18L : Climb via RWY HDG to 500 ft or above, turn left climb via ZYT R-090 within ZYT 10DME, turn left to intercept and proceed via ZYT R-060 to ZYT TACAN within ZYT 30DME.

Cross ZYT R-090 / 15DME at or below 11,000 ft.

Cross ZYT R-060 / 5DME at specified altitude.

Note : When take off RWY36L, following climb gradient should be maintained until passing 200ft.

Speed (Knots)	60	120	180	240	300	360
Rate (Feet/Min)	190	380	570	760	950	1140

CHITOSE REVERSAL TWO DEPARTURE

## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

CHITOSE THREE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME (ZYT TACAN) within CHE 10DME (ZYT 6DME/5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (ZYT TACAN/MKE R-329) at or above 3,000ft.

RWY 18R/18L : Climb direct to CHE VOR/DME (ZYT TACAN).

Note : When take off RWY36L (in case of using ZYT TACAN only), following climb gradient should be maintained until passing 200ft.

Speed (Knots)	60	120	180	240	300	360
Rate (Feet/Min)	190	380	570	760	950	1140





## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

MUKAWA FIVE DEPARTURE

RWY 36R/36L: Climb via RWY HDG to 500ft or above, turn right within 4NM, climb via MKE R-336 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-336/12DME at or above 3,000ft.

Cross MKE VOR/DME at or below 11,000ft.

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left, climb via MKE R-321 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-321/10DME at or above 3,000ft.

Corss MKE VOR/DME at or below 11,000ft.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

KURIS FOUR DEPARTURE

RWY 36R/36L: ....

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left within  
4NM,...

....climb via CHE R-011 to KURIS.



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

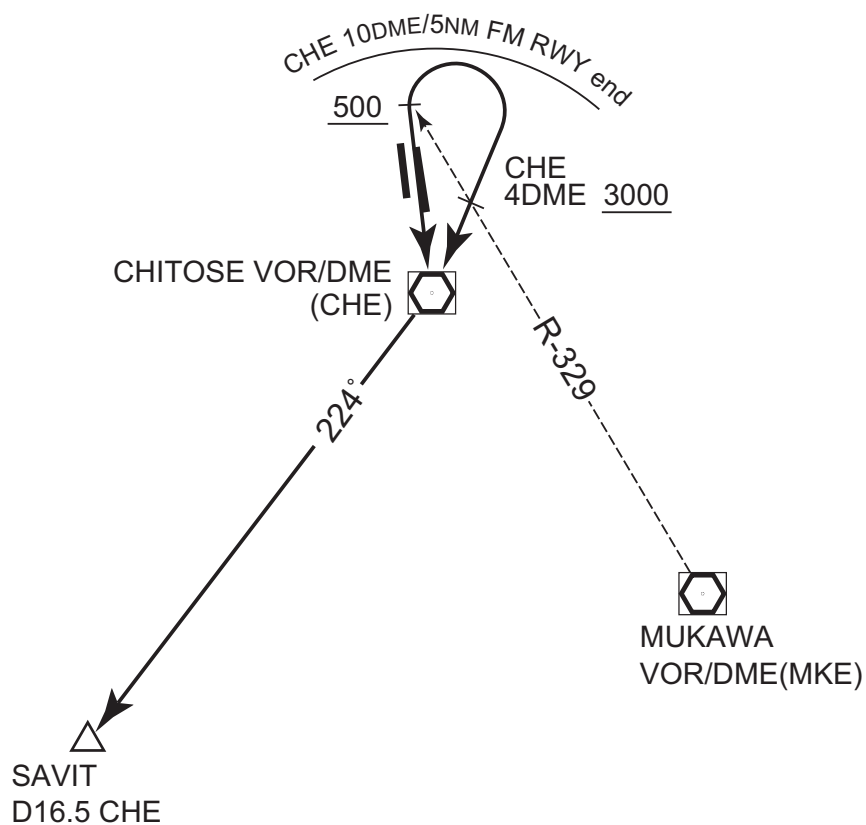
SAVIT ONE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....then via CHE R-224 to SAVIT.

SAVIT ONE DEPARTURE

## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION

**PANSY TRANSITION**

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY.

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	TOBBY	—	—	-9.5	—	—	—	—	—	RNAV1
002	TF	NOHEY	—	228 (218.1)	-9.5	23.5	—	+FL250	—	—	RNAV1
003	TF	APIOS	—	202 (192.0)	-9.5	33.7	—	—	—	—	RNAV1
004	TF	PANSY	—	188 (178.4)	-9.5	63.5	—	—	—	—	RNAV1

**BUTOS TRANSITION**

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY, to BUTOS.

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	TOBBY	—	—	-9.5	—	—	—	—	—	RNAV1
002	TF	NOHEY	—	228 (218.1)	-9.5	23.5	—	+FL250	—	—	RNAV1
003	TF	APIOS	—	202 (192.0)	-9.5	33.7	—	—	—	—	RNAV1
004	TF	PANSY	—	188 (178.4)	-9.5	63.5	—	—	—	—	RNAV1
005	TF	BUTOS	—	182 (172.2)	-9.5	34.6	—	—	—	—	RNAV1

## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION



## STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION

FUNKA TRANSITION			RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	MRE : 12.0NM to FUNKA - FUNKA	
	DME GAP	-	
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

VAR 10° W(2019)

TACAN  
CHITOSE  
990 ZYT  
CH-29x  
42°45'52"N/141°40'25"E

VOR/DME  
CHITOSE  
116.9 CHE  
CH-116X  
42°42'00"N/141°41'10"E  
100FT

TEKKO  
423007.1N  
1410431.0E

FUNKA  
422100.9N  
1403658.6E

DALBI  
420449.2N  
1403052.4E

FUNKA TRANSITIONFUNKA TRANSITION

From TEKKO, to FUNKA, to DALBI.

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	TEKKO	-	-	-9.5	-	-	-	-	-	RNAV1
002	TF	FUNKA	-	256 (246.0)	-9.5	22.3	-	-	-	-	RNAV1
003	TF	DALBI	-	205 (195.6)	-9.5	16.8	-	-	-	-	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

STAR

STARs for RWY36

KOMAI WEST ARRIVAL

From over NAVER, via CHE R-201 to intercept and proceed via MKE R-241 to KOMAI.

KOMAI EAST ARRIVAL

From over MKE VOR/DME, via MKE R-180 to MKE R-180/8DME, turn right, proceed via HDG 270 DEG to intercept MKE R-221, then turn right to intercept CHE R-181 to KOMAI.



STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA ALFA ARRIVAL  
WAKSA BRAVO ARRIVAL

RNAV 1

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 9° W(2016)





## STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA ALFA ARRIVAL

From NAVER, to FUJIM at or above 13000FT, to MKE, to C9R52 at or above 12000FT, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to WAKSA at or above 3000FT.

Critical DME	SPE: C9R55 - WAKSA MKE: 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52
DME GAP	3.0NM to MKE - 10.0NM to C9R52
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1

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	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	FUJIM	—	046 (036.6)	-9.3	20.8	—	+13000	—	—	RNAV1
003	TF	MKE	—	046 (036.8)	-9.3	11.2	—	—	—	—	RNAV1
004	TF	C9R52	—	360 (350.9)	-9.3	13.0	—	+12000	—	—	RNAV1
005	TF	C9R53	—	360 (350.9)	-9.3	7.8	—	—	—	—	RNAV1
006	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
007	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
008	TF	WAKSA	—	240 (230.8)	-9.3	11.2	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MUKAWA (MKE)	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

## STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA BRAVO ARRIVAL

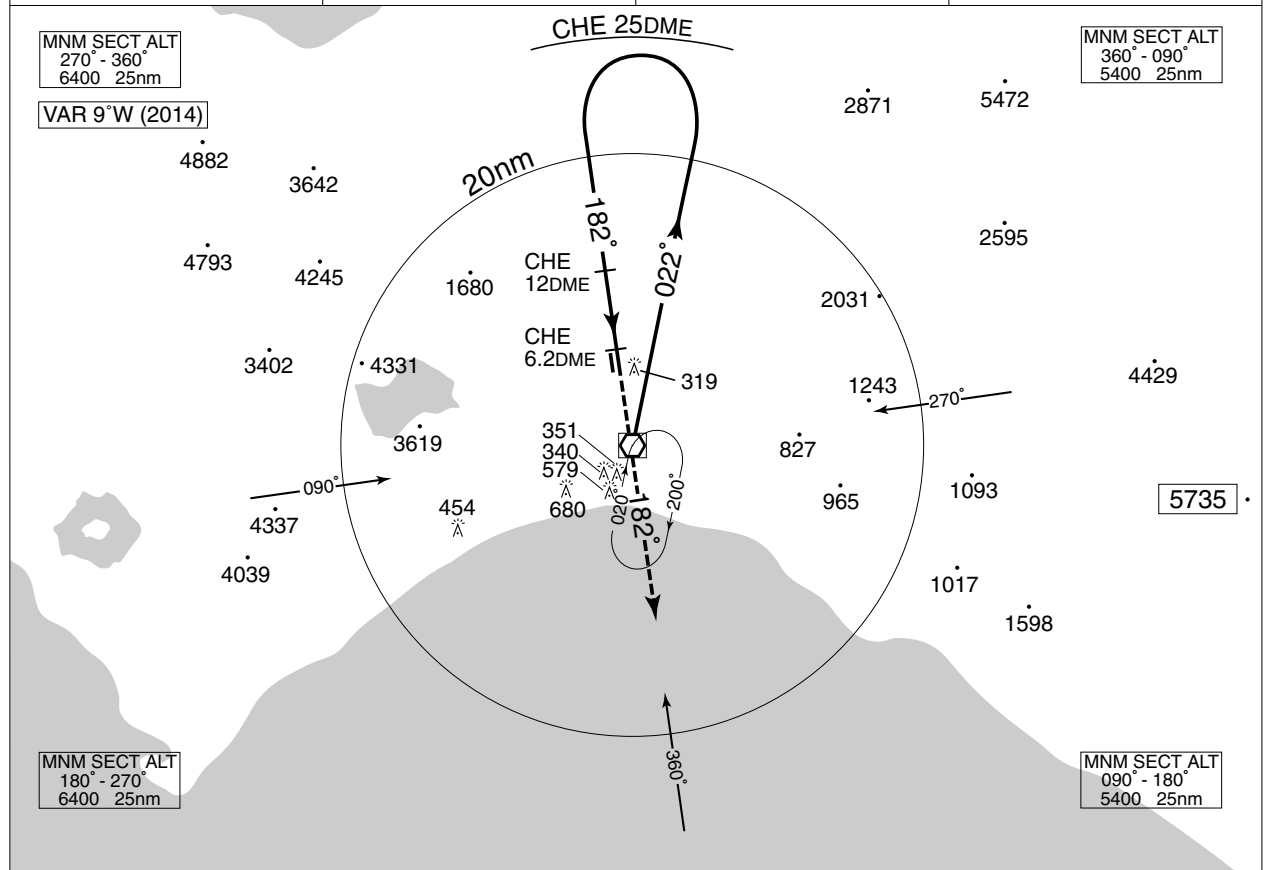
From CHE, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to WAKSA at or above 3000FT.

Critical DME	SPE: C9R55 - WAKSA
DME GAP	CHE - 11.0NM to C9R53
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	CHE	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	C9R53	—	045 (035.8)	-9.3	14.6	—	—	—	—	RNAV1
003	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
004	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
005	TF	WAKSA	—	240 (230.8)	-9.3	11.2	—	+3000	—	—	RNAV1

## RJCJ / CHITOSE

CHITOSE APP 120.1-124.7 362.3-305.7	CHITOSE VOR/DME 116.9 CHE 30.0 CH-116 42°42'00"N/141°41'10"E	CHITOSE TOWER 126.2 - 118.2 236.8-304.5-121.7G	RADAR AVAILABLE
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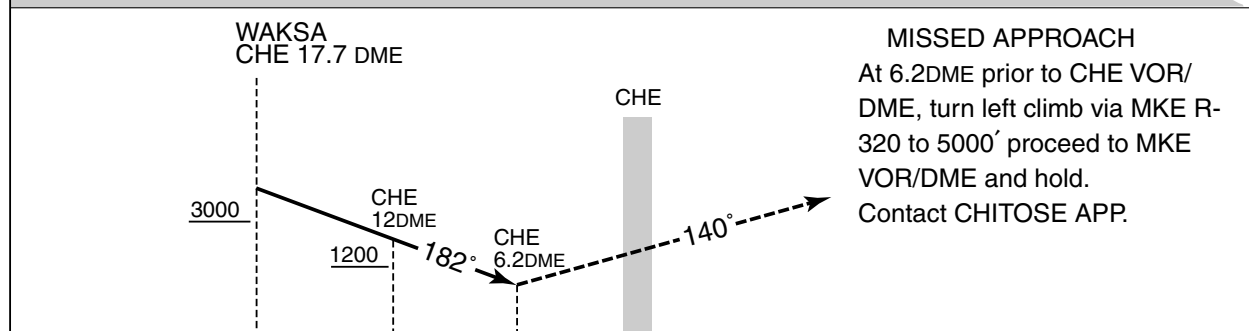
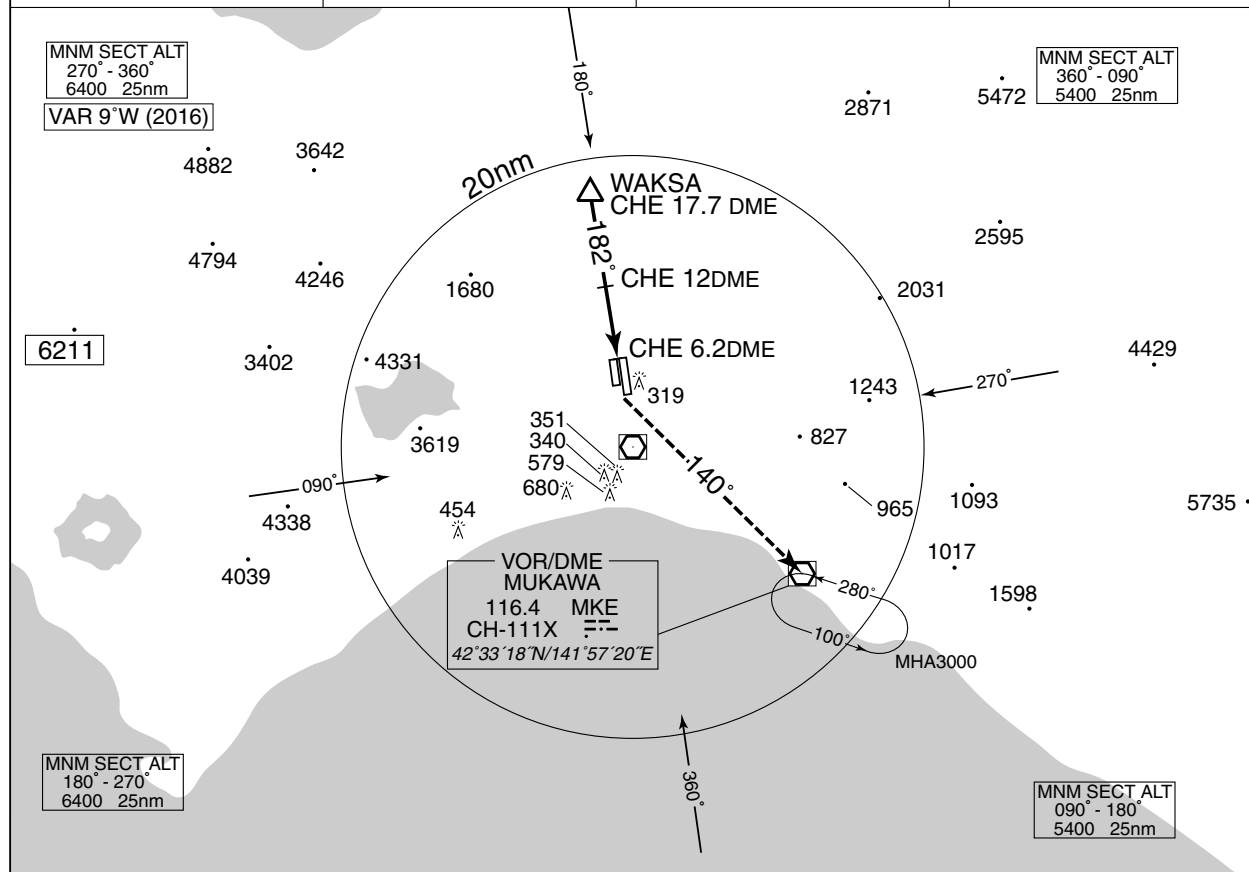
MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (490)	1000	620 (531)	1600
B		1200		
C				2400
D		1600	640 (551)	3200

## INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR/DME NR.2 RWY18L

CHITOSE APP 120.1-124.7 362.3-305.7	CHITOSE VOR/DME 116.9 CHE CH-116X 42°42'00"N/141°41'10"E	CHITOSE TOWER 118.2-126.2 236.8-304.5-121.7G	RADAR AVAILABLE
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MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (490)	1000	620 (531)	1600
B		1200		2400
C				
D		1600	640 (551)	3200

## RJCJ / CHITOSE

VOR NR.1 RWY 36R

**CHE to MAP 001° / 4.6nm**

KNOTS	70	90	100	120	140	160
MIN:SEC	3:57	3:04	2:46	2:18	1:58	1:44

CHE

FL140  
7000

Remain within 25nm of CHE  
right turn start at 6000'

161°

6000

001°

5000

1200

135°

MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	620 (531)	1000	620 (531)	1600
B		1200		
C				2400
D		1600	640 (551)	3200

## INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR NR.2 RWY36R



## MISSED APPROACH

At 4.6nm after passing CHE VOR,  
 turn right climb via MKE  
 R-335 to 5000', proceed to  
 MKE VOR/DME and hold.  
 Contact CHITOSE APP.



MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	620 (531)	1000	620 (531)	1600
B		1200		2400
C				
D		1600	640 (551)	3200

## INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

ILS RWY 36R



## INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.1 ILS RWY 36R





## RJCJ / CHITOSE TACAN NR.5 ILS RWY 36R



## INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

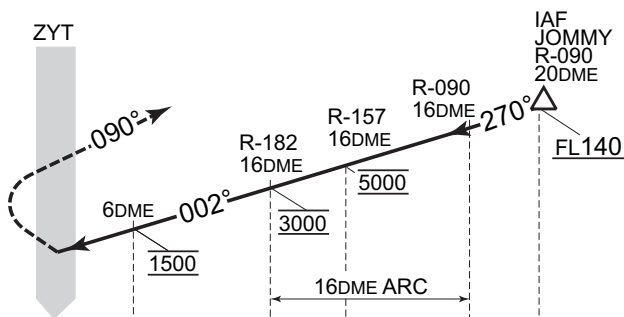
TACAN NR.1 RWY 36R

CHITOSE APP 124.7 - 120.1 362.3 - 305.7	CHITOSE TACAN CH-29 ZYT $\equiv \text{---} \text{---}$ 42°45'52"N/141°40'25"E	CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G	RADAR AVAILABLE
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## MISSED APPROACH

At ZYT TACAN, turn right climb  
via ZYT R-090 to 18DME fix to  
4000ft and hold.  
Contact CHITOSE APP.



MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (511)	1000	600 (511)	1600
B				
C		1200		2400
D		1600		3200

## RJCJ / CHITOSE

TACAN NR.3 RWY 18L

VAR 9°W (2006)

6211

4331

3360

090°

182°

9DME

2.3DME

16DME ARC

R-002

180°

R-035

2031

18DME

090°

270°

30DME

4429

IAF JOMMY

ZYT R-090/20DME

827

13DME

360°

340

680

351

579

454

EMERG SAFE ALT 100nm 9600

MNM SECT ALT 25nm 6400

Diagram illustrating a 16 DME arc centered on the IAF JOMMY R-090/20DME. The arc is divided into three segments:

- Segment 1: 2.3 DME (090° to 182°), Altitude 1500.
- Segment 2: 9 DME (182° to 270°), Altitude 3000.
- Segment 3: 16 DME (270° to 090°), Altitude 4000.

The arc is labeled "16DME ARC".

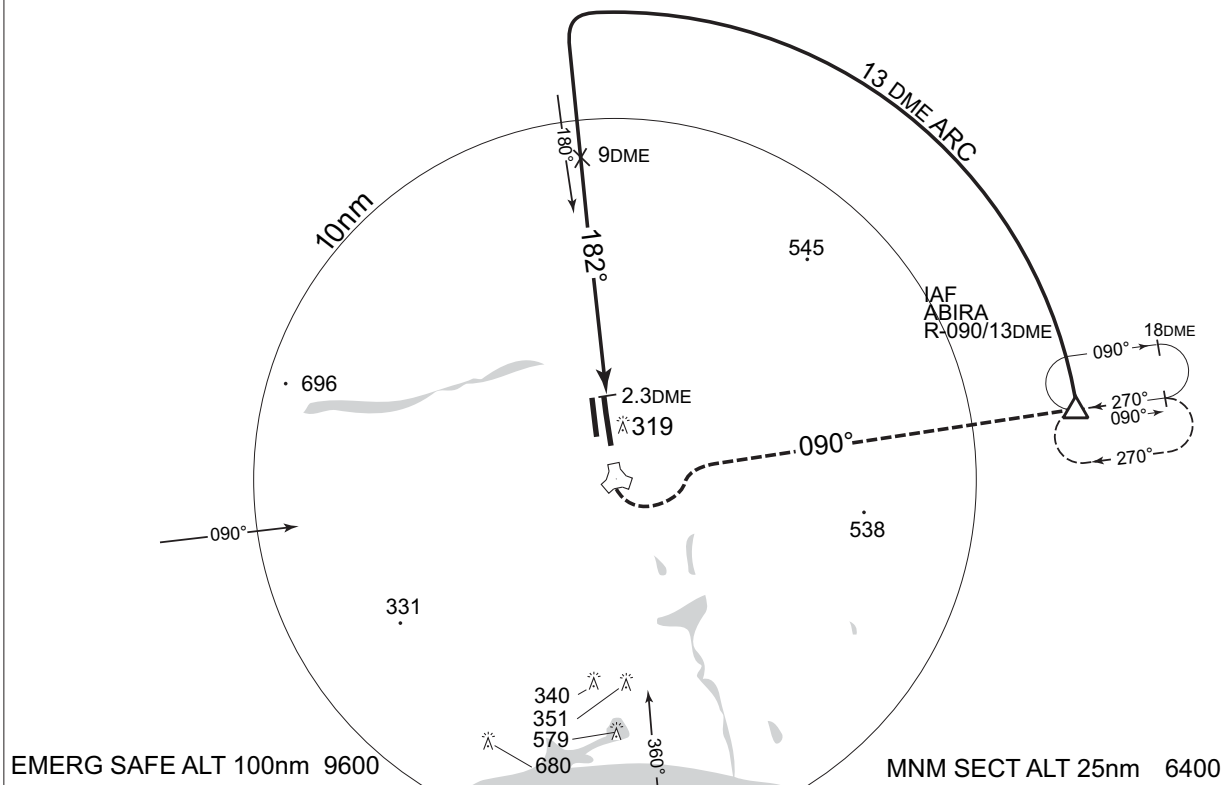
MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (530)	1000	600 (511)	1600
B		1200		
C				2400
D				

## INSTRUMENT APPROACH CHART

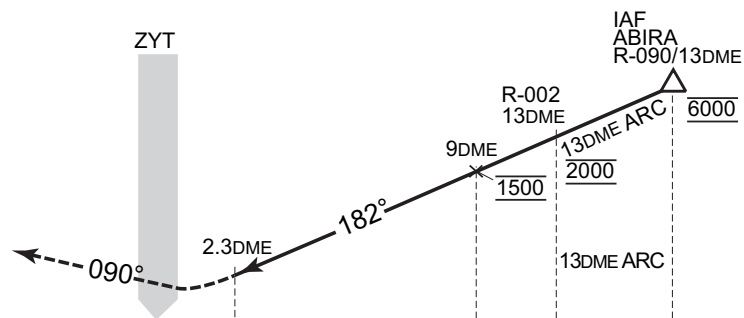
## RJCJ / CHITOSE

CHITOSE APP 124.7 - 120.1 362.3 - 305.7	CHITOSE TACAN CH-29 ZYT 三三三 42°45'52"N/141°40'25"E	CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G	RADAR AVAILABLE
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VAR 9°W (2006)



At 2.3DME prior to ZYT TACAN,  
turn left climb via ZYT R-090  
to 18DME fix to 4000ft and hold.  
Contact CHITOSE APP.



MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (530)	1000	600 (511)	1600
B		1200		
C				2400
D				

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.5 RWY 36R



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