

AD CHART

CHITOSE AD



INTENTIONALLY LEFT BLANK

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 FIVE 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.

Cross CHE R-224/8.0DME at or above 3,600ft.

HAKODATE FIVE DEPARTURE

CHANGE : PROC renamed. ALT restriction added.

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 TWO 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.
Cross CHE R-224/8.0DME at or above 3,600ft.

SAVIT TWO DEPARTURE



CHANGE : PROC renamed. ALT restriction added.

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.

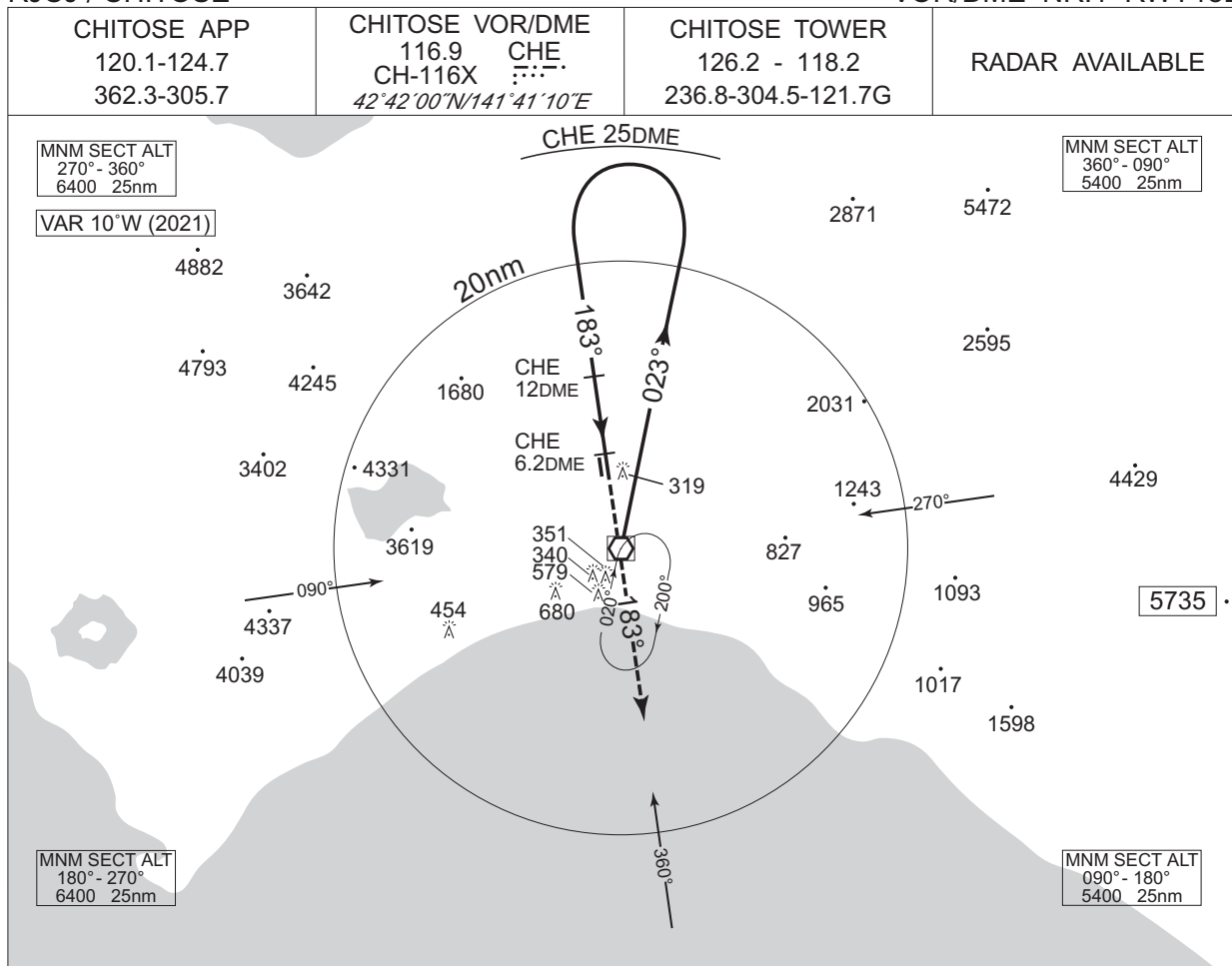
| | |
|------------------------|---|
| Critical DME | SPE: C9R55 - WAKSA |
| DME GAP | CHE - 11.0NM to C9R53 |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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 |

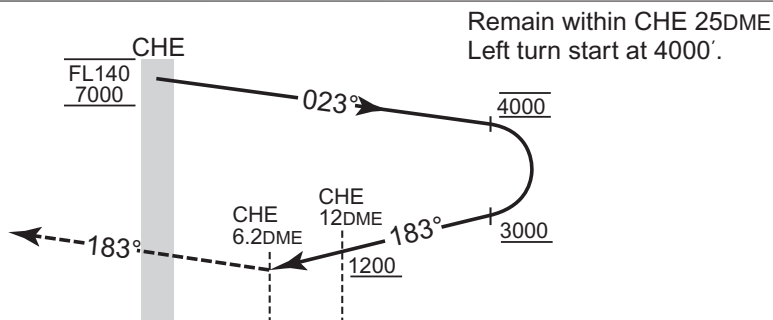
INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR/DME NR.1 RWY18L



MISSED APPROACH
 At 6.2DME prior to CHE VOR/DME,
 climb to 4000' (2000' for PROP)
 on CHE R-183.
 Contact CHITOSE APP.



CHANGE : VAR. PROC course.

| MINIMA | | THR elev. 70 | AD elev. 89 | |
|--------|-----------|--------------|-------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 560 (490) | 1000 | 620 (531) | 1600 |
| B | | | | |
| C | | 1200 | | 2400 |
| D | | 1600 | 640 (551) | 3200 |

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR/DME NR.2 RWY18L



CHANGE : VAR. Course FM WAKSA to CHE 6.2DME.

WAKSA
CHE 17.7 DME

CHE

MISSED APPROACH

At 6.2DME prior to CHE VOR/
DME, turn left climb via MKE R-
320 to 5000' proceed to MKE
VOR/DME and hold.
Contact CHITOSE APP.

| 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 | | | | |

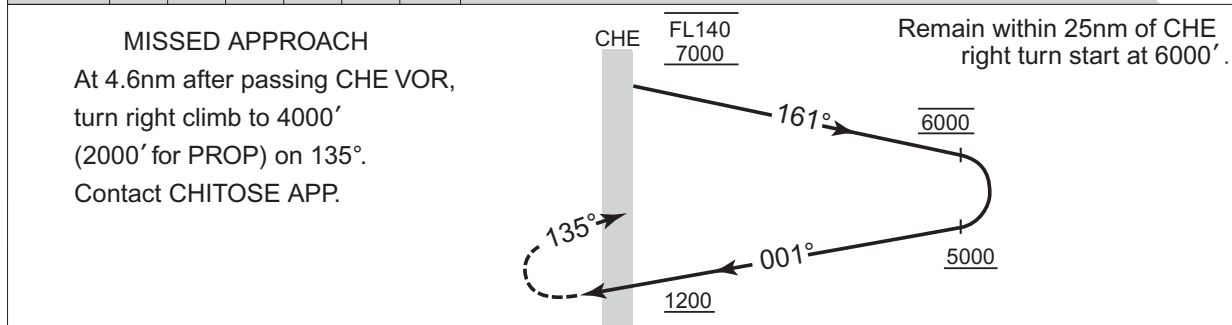
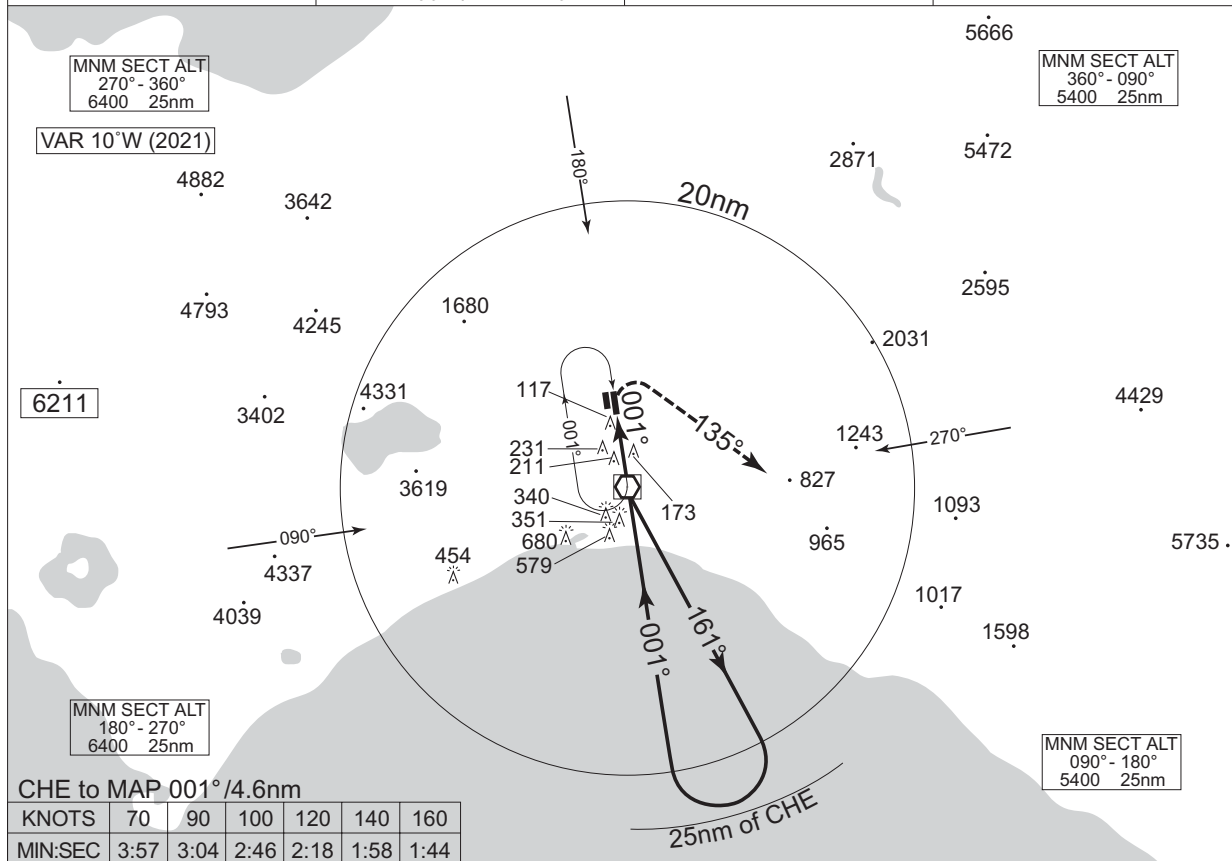
| | | CIRCLING | |
|----|-------------|-----------|------|
|) | RVR/ CMV | MDA(H) | VIS |
| 0) | 1000 | 620 (531) | 1600 |
| | 1200 | | 2400 |
| | 1600 | 640 (551) | 3200 |

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR NR.1 RWY36R

| | | | |
|---|---|--|-----------------|
| 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 126.2 - 118.2 236.8 - 304.5 - 121.7G | RADAR AVAILABLE |
|---|---|--|-----------------|



| 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 |

CHANGE : VAR.

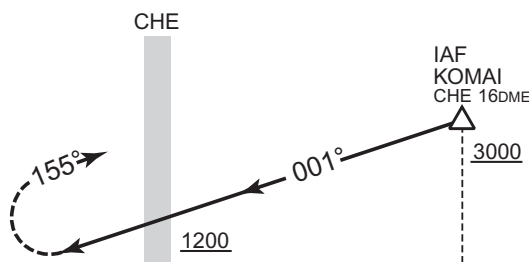
INSTRUMENT APPROACH CHART

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 |
| A | 620 (531) | 1000 |
| B | | 1200 |
| C | | |
| D | | 1600 |
| | | 620 (531) |
| | | 640 (551) |
| | | 3200 |

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

ILS RWY 36R



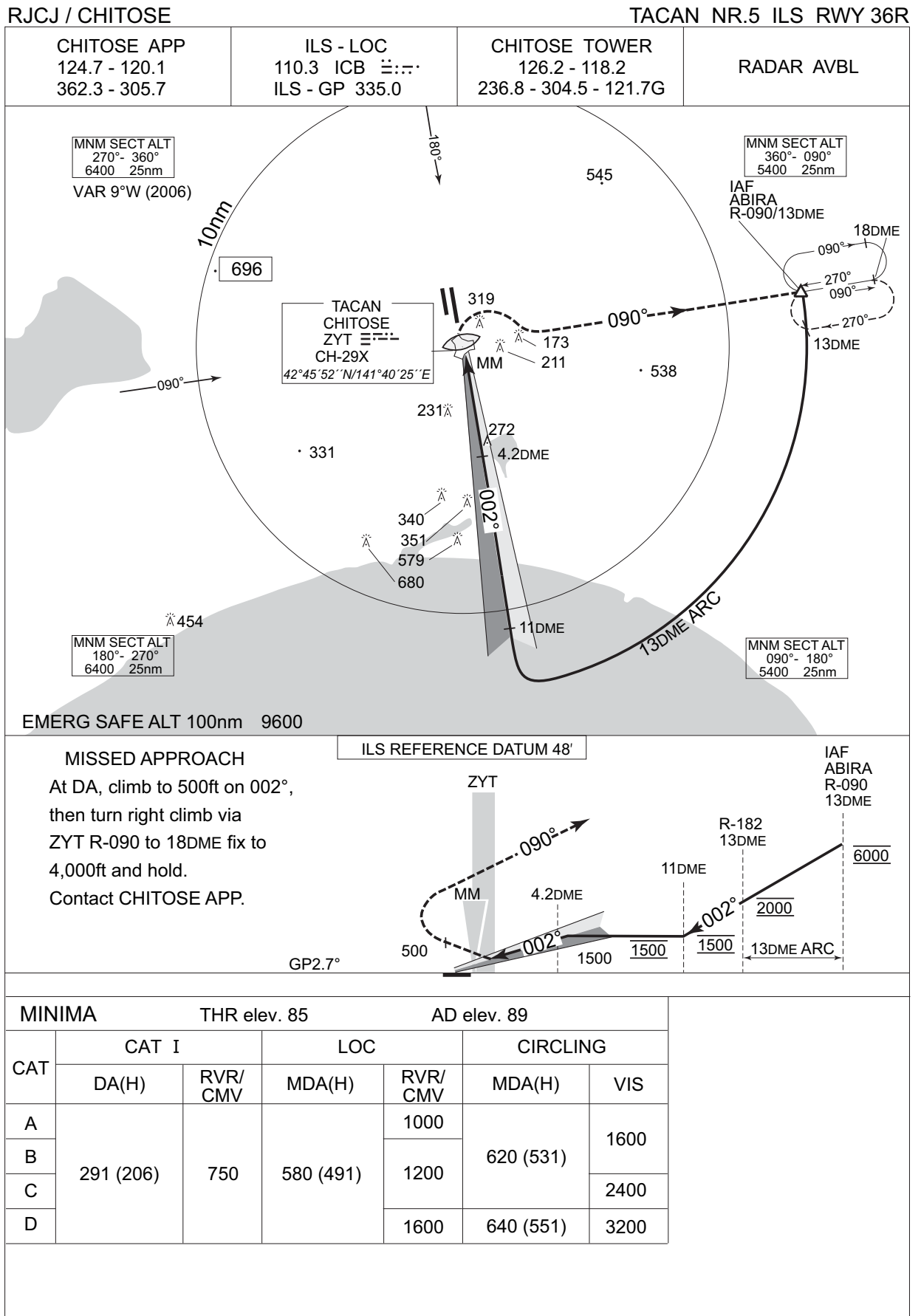
INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.1 ILS RWY 36R



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

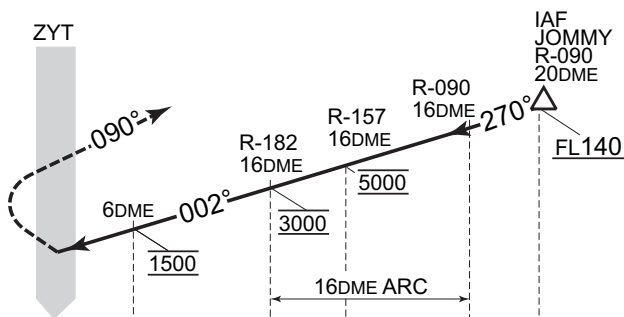
TACAN NR.1 RWY 36R

| | | | |
|---|---|--|-----------------|
| 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 |
|---|---|--|-----------------|



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 |

INSTRUMENT APPROACH CHART

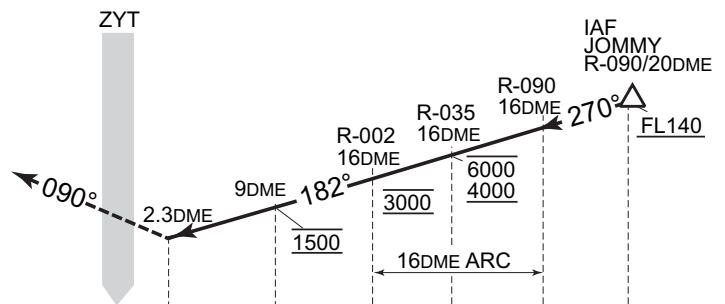
RJCJ / CHITOSE

TACAN NR.3 RWY 18L

| | | | |
|---|---|--|-----------------|
| 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 |
|---|---|--|-----------------|



MISSED APPROACH
At 2.3 DME 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 | | | | |
| C | | 1200 | | 2400 |
| D | | 1600 | | 3200 |

INSTRUMENT APPROACH CHART

TACAN NR.4 RWY 18L

| | | | |
|---|--|--|-----------------|
| 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 |
|---|--|--|-----------------|

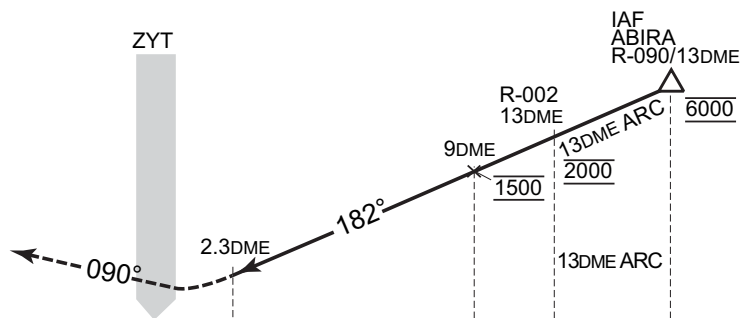
Diagram illustrating a flight path for a simulated emergency landing, showing various altitudes, distances, and headings.

Key Data Points:

- Altitudes (MNM SECT ALT 25nm 6400):** 696, 545, 331, 538, 340, 351, 579, 680.
- Distances (DME):** 9 DME, 13 DME, 2.3 DME, 18 DME.
- Headings:** 090°, 182°, 180°, 090°, 270°, 090°, 270°.
- Locations:** IAF ABIRA R-090/13DME, 10nm range marker.
- Path Features:** 13 DME ARC, 10nm range marker, 2.3 DME marker.

Emergency Safe Altitude: EMERG SAFE ALT 100nm 9600

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 | | 2400 |
| C | | | | 3200 |
| D | | | | 1600 |

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.5 RWY 36R



INTENTIONALLY LEFT BLANK