

STANDARD DEPARTURE CHART -INSTRUMENT

RJTU / UTSUNOMIYA

SID

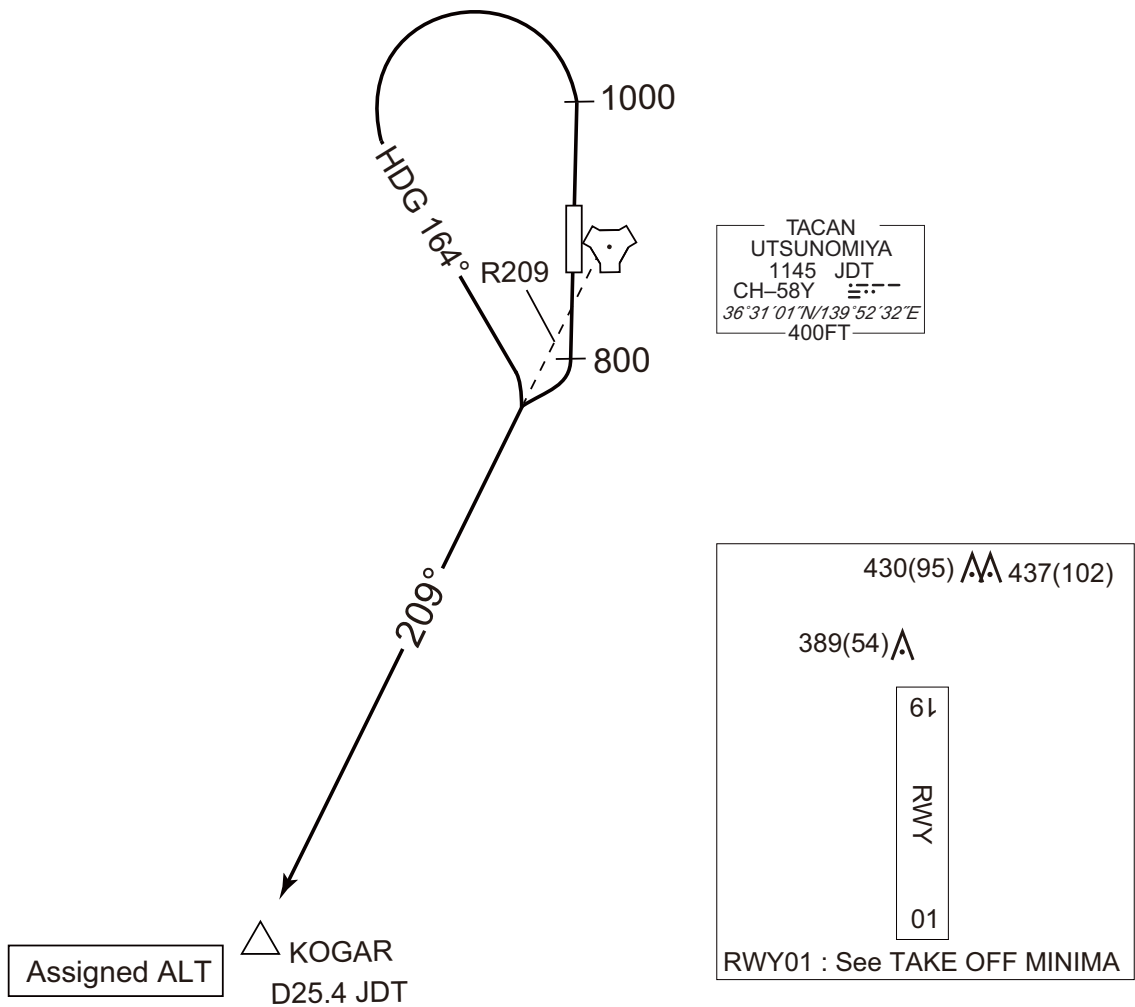
KOGAR FIVE DEPARTURE

RWY01 : Climb RWY HDG to 1000FT, turn left HDG 164° to intercept and proceed...

RWY19 : Climb RWY HDG to 800FT, turn right,...
...via JDT R209 to KOGAR.
Cross KOGAR at assigned altitude.

Note RWY01 : 4.3% climb gradient required up to 1000FT.
OBST ALT 1837FT located at 7.6NM 329° FM end of RWY01.
RWY19 : 4.4% climb gradient required up to 800FT.
OBST ALT 358FT located at 0.2NM 205° FM end of RWY19.

CHANGE : PROC renamed. PROC course. Note added. OBST chart added.



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MIKRA FOUR DEPARTURE

RWY01 : Climb RWY HDG to 1000FT, turn left ,...

RWY19 : Climb RWY HDG to 800FT, turn right ,...

...via JDT R360 to intercept and proceed via JDT17.6DME clockwise
ARC via JDT R022 to MIKRA.Cross JDT R360/7.0DME at or below 4000FT, cross MIKRA at
assigned altitude.

Note RWY01 : 4.1% climb gradient required up to 3600FT.

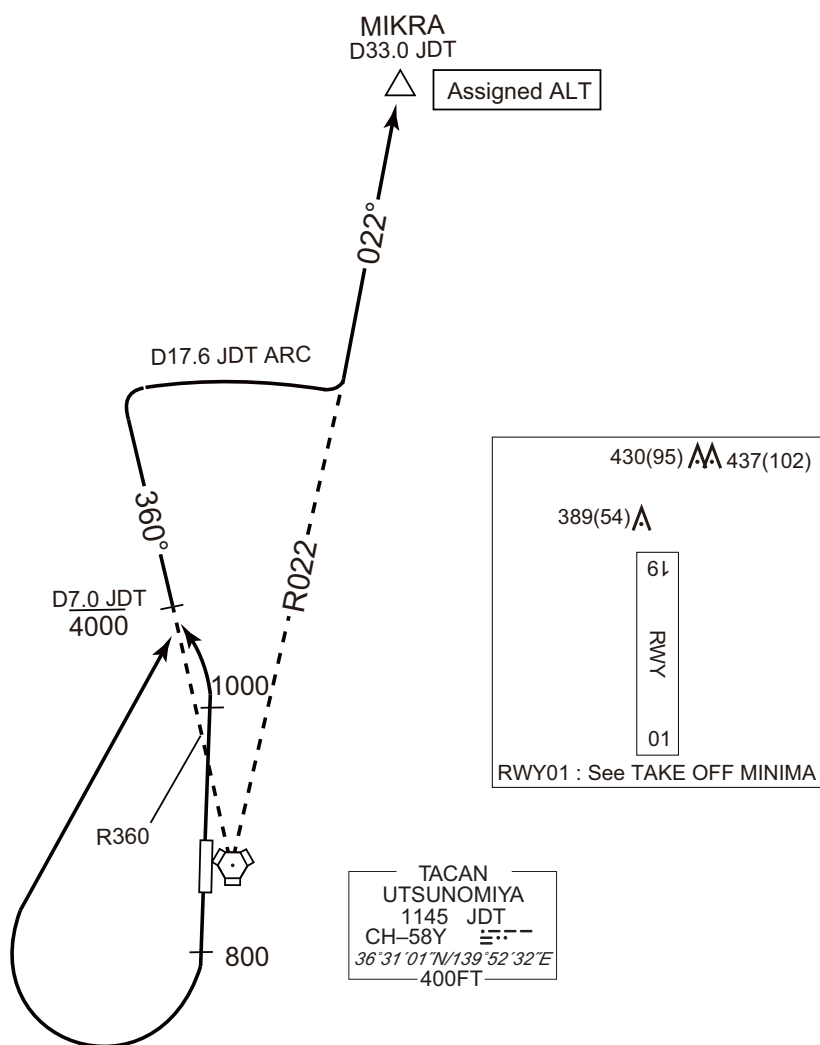
OBST ALT 813FT located at 3.0NM 023° FM end of RWY01.

OBST ALT 4331FT located at 22.3NM 360° FM end of RWY01.

RWY19 : 4.4% climb gradient required up to 4100FT.

OBST ALT 358FT located at 0.2NM 205° FM end of RWY19.

OBST ALT 5052FT located at 23.3NM 357° FM end of RWY19.



CHANGE : PROC renamed. PROC course. Note added. OBST chart added.

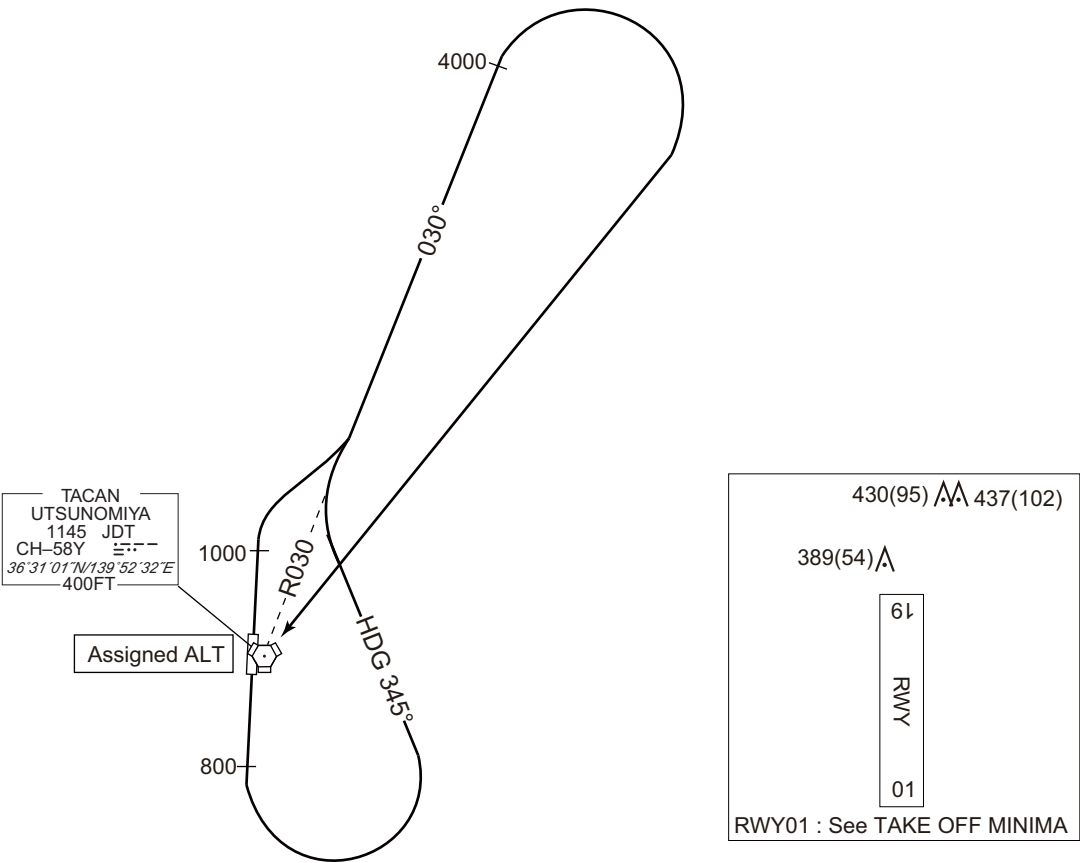
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UTSUNOMIYA REVERSAL ONE DEPARTURE

- RWY01 : Climb RWY HDG to 1000FT, turn right...
- RWY19 : Climb RWY HDG to 800FT, turn left HDG345° to intercept and proceed...
...via JDT R030 to 4000FT, turn right direct JDT TACAN.
Cross JDT TACAN at assigned altitude.
- Note RWY01 : 4.1% climb gradient required up to 1000FT.
OBST ALT 813FT located at 3.0NM 023° FM end of RWY01.
- RWY19 : 4.4% climb gradient required up to 800FT.
OBST ALT 358FT located at 0.2NM 205° FM end of RWY19.



CHANGE : New PROC.

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STANDARD ARRIVAL CHART-INSTRUMENT

RJTU / UTSUNOMIYA

STAR

IPNAX ARRIVAL

From over JDT TACAN, proceed via JDT R174 to IPNAX.
Cross IPNAX at or above 3000FT.

TACAN
UTSUNOMIYA
1145 JDT
CH-58Y 
36°31'01"N/139°52'32"E
400FT



174°



3000

IPNAX
D8.7 JDT

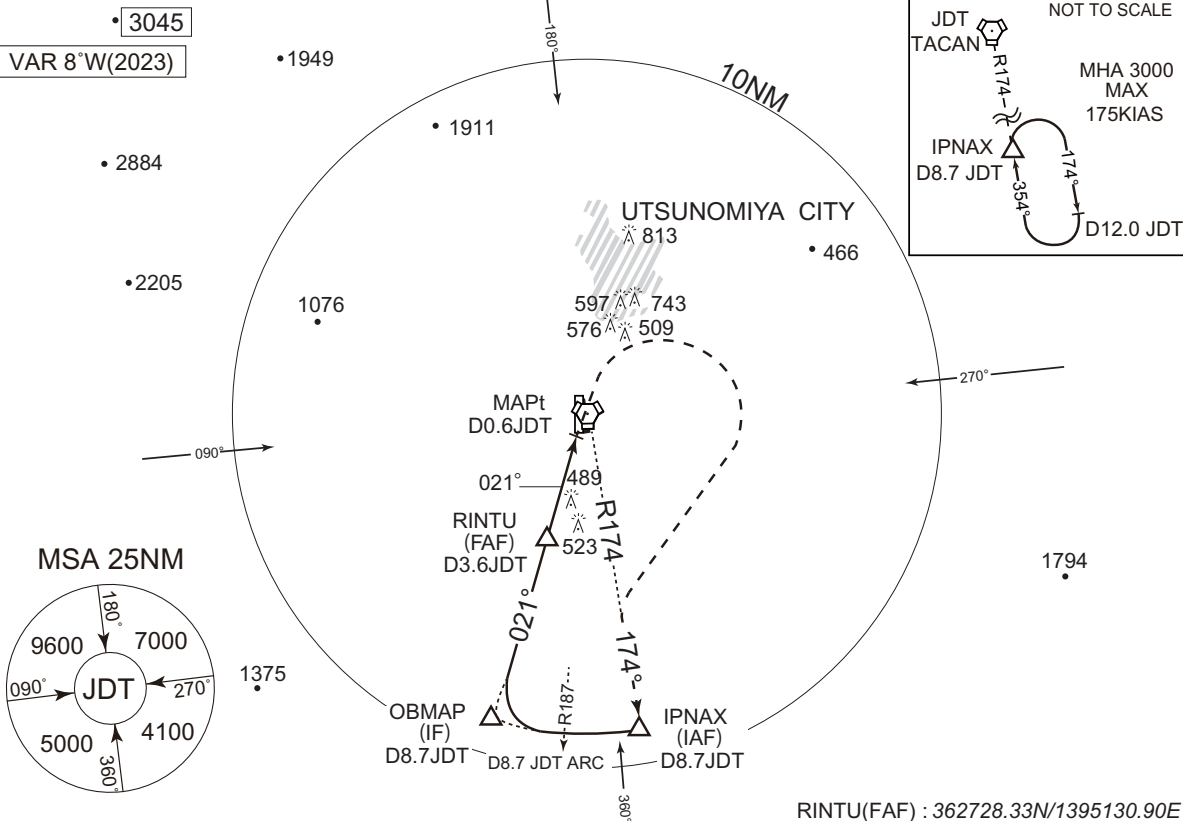
CHANGE : New PROC.

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CHANGE : PROC renamed. VAR. PROC course. Missed APCH course. HLDG pattern. MSA. IPNAX, OBMAP, RINTU established. TOCHL abolished. ALT(3.0° APCH Path) established. THR elev. AD elev. MDA(H). Circling restriction established.

TACAN RWY01

$$\frac{\bullet 3045}{\text{VAR } 8^{\circ}\text{W}(2023)}$$



The diagram illustrates the relationship between the magnetic field \$B\$ (in Gauss) and the angle \$\theta\$. Key features include:

- Axes:** The vertical axis represents \$B\$ from 0 to 3000 G. The horizontal axis represents \$\theta\$, with values 8.7, 3.6, and 0.6.
- Key Points:**
 - IPNAX (IAF):** Located at \$B = 3000\$ G.
 - OBMAR (IF):** Located at \$B \approx 2000\$ G.
 - RINTU (FAF):** Located at \$B = 1000\$ G.
 - MAPt:** Located at \$B = 0\$ G.
 - JDT:** Indicated by a large downward arrow at \$B = 0\$ G.
 - DME to JDT:** Indicated by a thick black bar at \$B = 0\$ G.
- Angles:**
 - \$021^\circ\$ is indicated near the top left.
 - \$1313\$ is indicated near the center.
 - \$3.0^\circ\$ is indicated near the bottom right.
- Regions:**
 - A shaded gray area labeled "MDA" (Magnetic Diffraction Area) is shown between \$B = 1000\$ G and \$B = 0\$ G.
 - A label "1000 (691)" is present within the MDA region.
- Other Labels:**
 - "D8.7 JDT ARC" is labeled with a double-headed arrow.
 - "NM to THz" is labeled at the bottom right.

Turn right, climb to 3000FT via JDT
R174 to IPNAX and hold.
Contact UTSUNOMIYA APP.

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

MINIMA		THR elev. 309	AD elev. 335	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	770 (461)	1500	810 (475)	1600
B			880 (545)	
C		2000	900 (565)	2400
D	—	—	—	—

Circling to WEST side of RWY only.

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