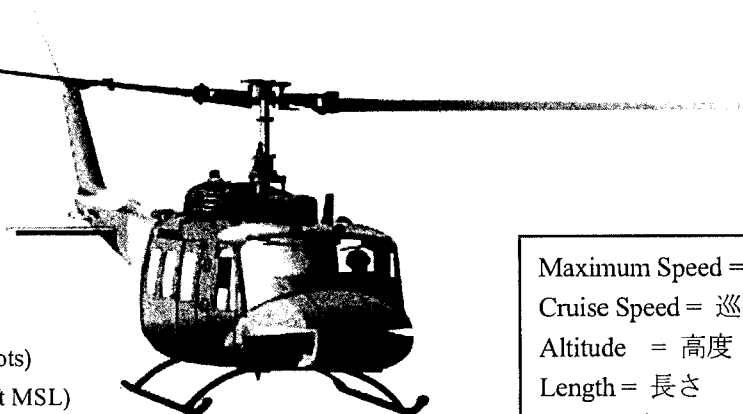


UH-1N Iroquois



General Characteristics

Maximum Speed: 149 mph (130 knots)

Altitude Flown: 1000ft AGL (1500ft MSL)

Cruise Speed: 103-115 mph (90-100 knots)

Length: 57 ft, 3 in (17.44 m)

Width: 9 ft, 5 in (2.87 m)

Diameter of Main Rotor: 48 ft (14.63 m)

Height: 12 ft, 10 in (3.9 m)

Diameter of Tail Rotor: 8 ft, 6 in (2.6 m)

Maximum Speed = 最高速度

Cruise Speed = 巡行速度

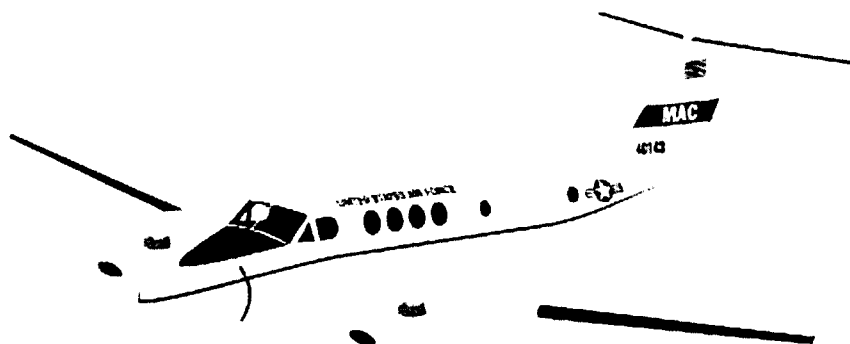
Altitude = 高度

Length = 長さ

Width = 幅

Height = 高さ

C-12J Huron



General Characteristics

Length: 57 ft, 10in (17.6 m)

Maximum Speed: 299 mph

Height: 14 ft, 11 in (4.5 m)

Radar Pattern Speed: 180 KIAS

Wingspan: 54 ft, 6 inches (16.6 m)

Radar Pattern Altitude: 4000ft MSL

Cessna 172



General Characteristics

Length: 8.20m (26ft 11in)

Height: 2.59m (8ft 6in)

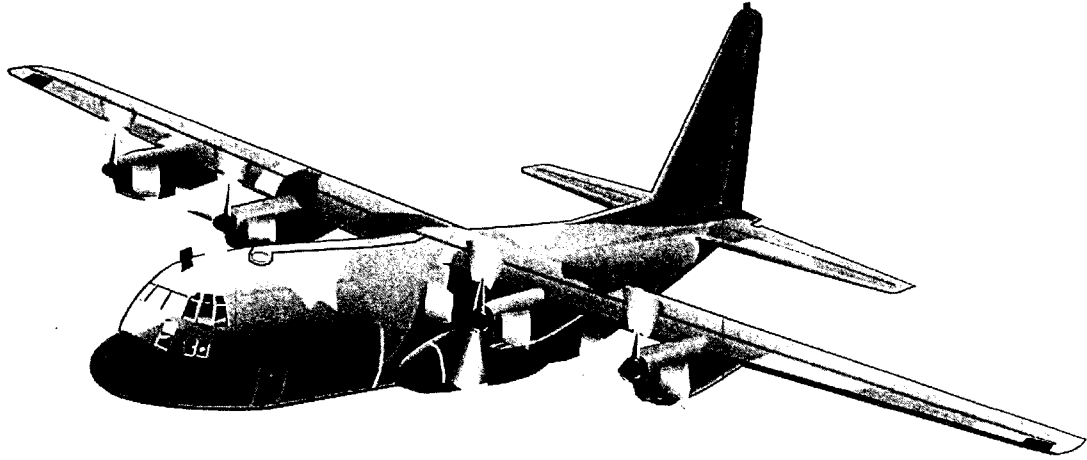
Wingspan: 10.92m (35ft 10in)

Maximum Speed: 217km/h (117kt)

Pattern Speed: 100 KIAS

Pattern Altitude: 1500ft MSL

C-130 Hercules



General Characteristics

Length: C-130E/H/J: 97 ft, 9 in (29.3 m)

C-130J-30: 112 ft, 9 in (34.69 m)

Height: 38 ft, 3 in (11.4 m)

Wingspan: 132 ft, 7 in (39.7 m)

Speed: C-130E: 345 mph/300 KTAS

RADAR Pattern Speed: 200 KIAS

Radar Pattern Altitude: 4000ft MSL

C-5 Galaxy



General Characteristics

Wingspan: 222.9 ft (67.89 m)

Length: 247.1 ft (75.3 m)

Height: 65.1 ft (19.84 m)

Cargo Compartment: Height, 13.5 ft (4.11 m);

Width: 19 ft (5.79 m)

Length: 143 ft, 9 in (43.8 m)

Speed: 518 mph (.77 Mach)

RADAR Pattern Speed: 200 KIAS

KC-10A Extender



General Characteristics

Length: 181 ft, 7 in (54.4 m)

Height: 58 ft, 1 in (17.4 m)

Wingspan: 165 ft, 4.5 in (50 m)

Speed: 619 mph (Mach 0.825)

RADAR Pattern Speed: 200 KIAS

KC-135 Stratotanker



General Characteristics

Wingspan: 130 ft, 10 in (39.88 m)

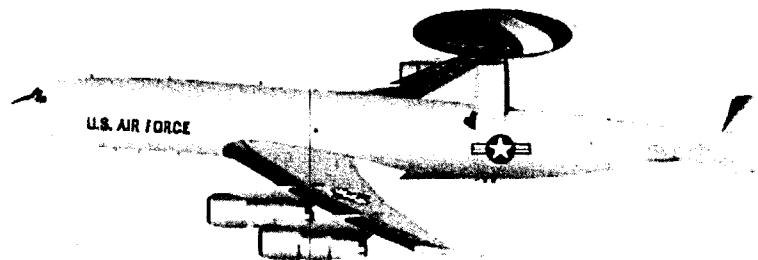
Length: 136 ft, 3 in (41.53 m)

Height: 41 ft, 8 in (12.7 m)

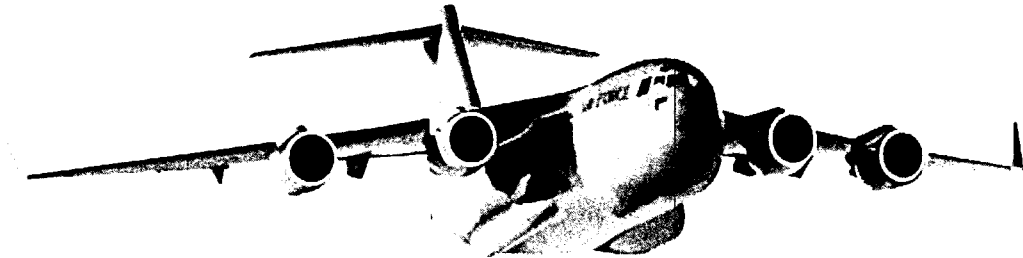
Speed: 530 mph at 30,000 ft (9,144 m)

RADAR Pattern Speed: 200 KIAS

E-3 Sentry AWACS



C-17 Globemaster III



General Characteristics

Wingspan: 169 ft 10 in (to winglet tips) (51.75 m)

Length: 174 ft (53 m)

Height: 55 ft 1 inch (16.79 m)

Cargo Compartment: Length, 88 feet (26.82 m)

Width, 18 ft (5.48 meters);

Height, 12 ft 4 in (3.76 m)

Speed: 450 knots at 28,000 ft (8,534 m) (Mach .74)

RADAR Pattern Speed: 200 KIAS

F-15 Eagle



General Characteristics

Wing span: 42.8 ft (13 m)

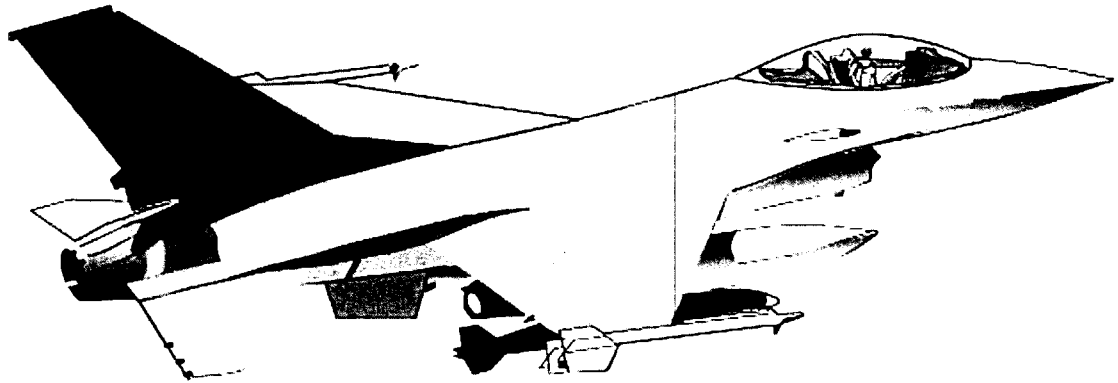
Length: 63.8 ft (19.44 m)

Height: 18.5 ft (5.6 m)

Speed: 1,875 mph (Mach 2.5 plus)

RADAR Pattern Speed: 200 KIAS

F-16 Fighting Falcon



General Characteristics

Length: 49 ft, 5 in (14.8 m)

Height: 16 ft (4.8 m)

Wingspan: 32 ft, 8 in (9.8 m)

Speed: 1,500 mph (Mach 2 at altitude)

RADAR Pattern Speed: 200 KIAS

A-10 Thunderbolt II “Warthog”



General Characteristics

Wing span: 57.5 ft (17.4 m)

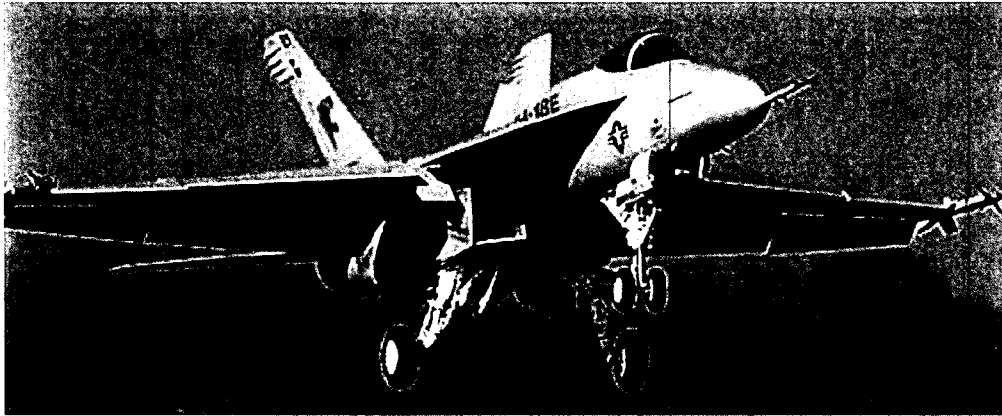
Length: 53.3 ft (16.16 m)

Height: 14.7 ft (4.42 m)

Speed: 420 mph (Mach .56)

RADAR Pattern Speed: 200 KIAS

F-18 Hornet



General Characteristics

Wing span: 37.5 ft (11.43 m)

Length: 56 ft (17.07 m)

Height: 15.3 ft (4.66 m)

Speed: 1,190 mph (Mach 1.8 plus)

RADAR Pattern Speed: 200 KIAS

Common Aircraft Stationed at Local Japanese/JSDF Airfields

C-1

General Characteristics

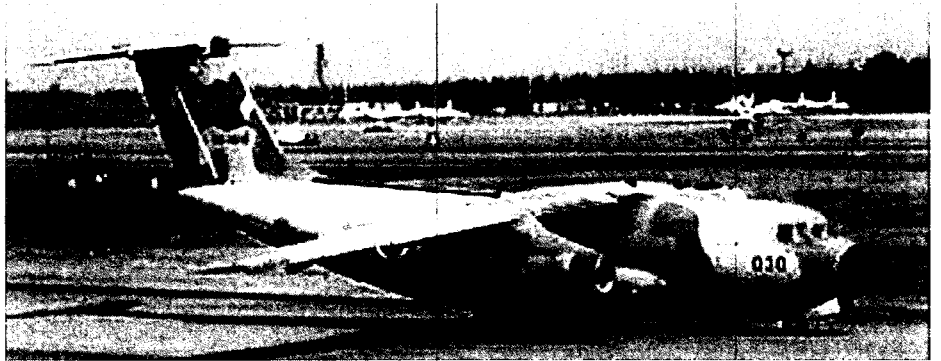
Length: 49 ft, 5 in (29.0 m)

Height: 16 ft (9.9 m)

Wingspan: 32 ft, 8 in (30.6 m)

Speed: 375 KTAS

RADAR Pattern Speed: 200 KIAS
at 4,000 ft. MSL



YS-11

General Characteristics

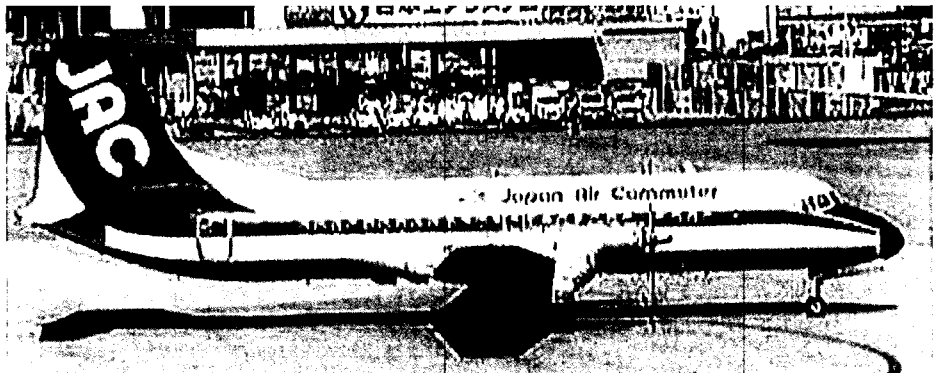
Length: 49 ft, 5 in (26.3 m)

Height: 16 ft (8.9 m)

Wingspan: 32 ft, 8 in (10 m)

Speed: 240 KTAS

RADAR Pattern Speed: 150 KIAS
at 4,000 ft. MSL



T-4

General Characteristics

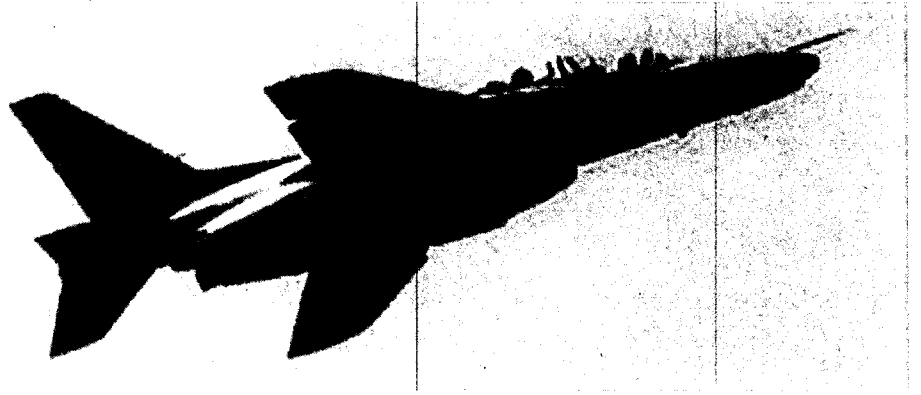
Length: 42.5ft (13m)

Height: 15ft (8.7m)

Wingspan: 32.5ft (10m)

Speed: 400 KTAS

RADAR Pattern Speed: 200 KIAS



US-1

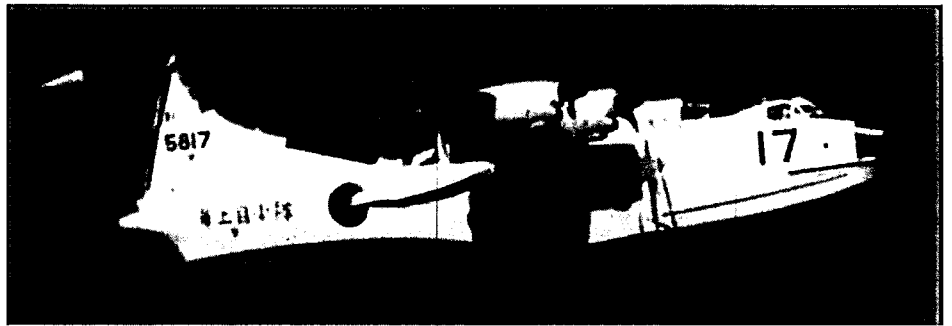
General Characteristics

Length: 109ft (33m)

Height: 32ft (10m)

Wingspan: 108ft, (33m)

Speed: 270 KTAS



U-4

RADAR Pattern Speed: 200 KIAS

General Characteristics

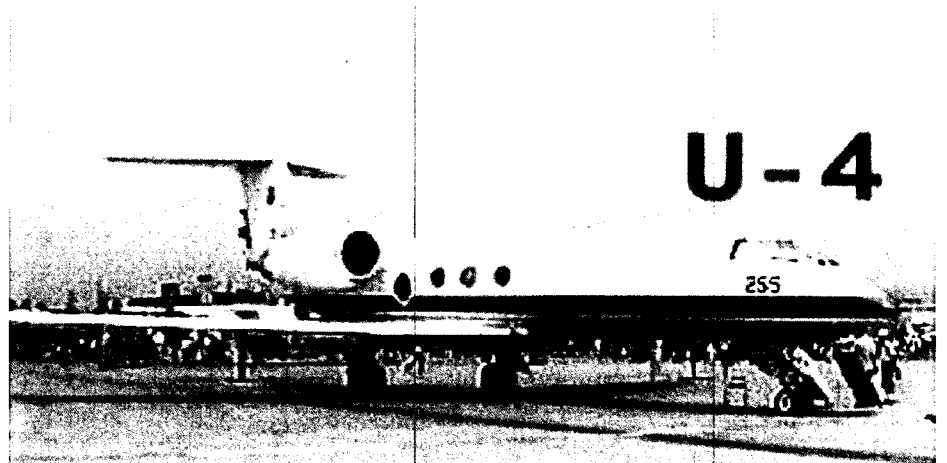
Length: 88 ft, 3 in (26.91m)

Height: 24.4 ft (7.44 m)

Wingspan: 77 ft, 9 in (23.72 m)

Speed: 530 KTAS

RADAR Pattern Speed: 200 KIAS
at 4,000 ft. MSL



MU-2

General Characteristics

Length: 33 ft, 3 in (10.13 m)

Height: 12.9 ft (3.94 m)

Wingspan: 39 ft, 2 in (11.95 m)

Speed: 275 KTAS

RADAR Pattern Speed: 200 KIAS at 4,000 ft. MSL



HH-65

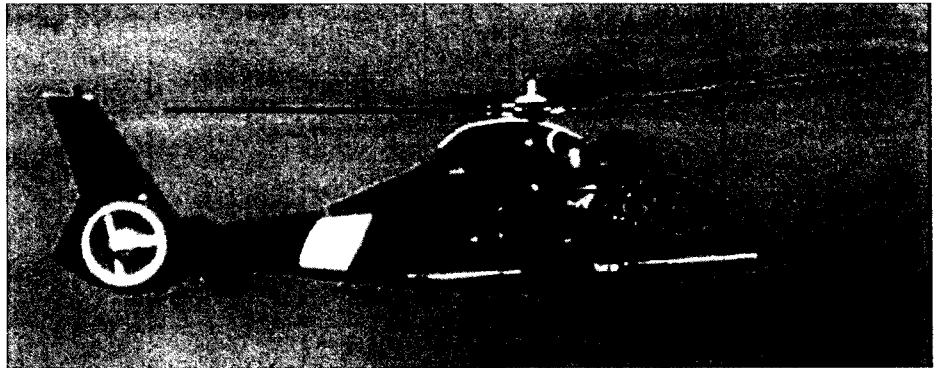
General Characteristics

Rotor Length: 39 ft (11.9 m)

Height: 13 ft (4 m)

Speed: 165 KTAS

RADAR Pattern Speed: 120 KIAS
at 4,000 ft. MSL



E-2

General Characteristics

Length: 57 ft, 7 in (17.56 m)

Height: 18ft, 4 in (5.58 m)

Speed: 375 mph (604 km/h)

RADAR Pattern Speed: ???



P-3

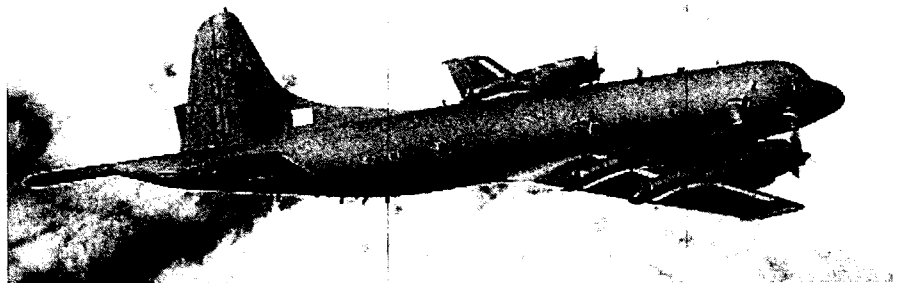
General Characteristics

Length: 116 ft, 10 in (35.6 M)

Height: 33 ft, 8.5 in (10.3 m)

Speed: 405 Knots (750 km/h)

RADAR Pattern Speed: ???



ニアミスが発生した際の報告要領(空軍書式651)

空軍基地近辺でニアミス事故が発生した場合は、必ず24時間以内に最寄りの基地安全部にHATRを提出すること。

1 ニアミスとは、航空機同士の空中衝突を避けるために緊急回避動作を取った場合のことを言う。

ニアミスが発生した際は、最寄の航空管制施設、又は飛行情報局に次の項目を含め速やかに報告すること

- a 自機のコールサイン
- b 発生時刻及び位置（航法援助施設名、当該施設からの方位、距離）
- c 飛行高度又はフライトレベル
- d 相手航空機の所属/特徴
- e 管制機関に対し必要な情報を記録するように依頼する(録音等)

2 最小安全間隔

VFR(有視界飛行方式)時

内規11-203Vでは500フィート以上(航空機間の最小安全間隔)

IFR(計器飛行方式)時

水平間隔 レーダーサイトから40海里以内は3海里。40海里以遠は5海里以上

垂直間隔 1000フィート(RVSM未実施空域でFL290以上の高度の場合は2000フィート)

後方乱気流間隔

先行機へビー後続機ミディアム RADAR5マイル、NON-RADAR2分

- 3 危険を招く恐れのある通信や航空無線施設の異常
- 4 危険を招く恐れのあるシステム、出版物や指示
- 5 航空機を危険にさらす地上における事態

When to Report a HATR (AF Form 651)

Report within 24 hours to the **nearest AF** base safety office where the incident occurred

1. Near Mid-air collision (NMAC) – Aircrew took abrupt evasive action to avoid a collision

Notify the nearest ATC of:

- a. Your call sign
 - b. Time and place of the incident (name of navaid, radial and DME)
 - c. Altitude or flight level
 - d. Description of the other aircraft
 - e. Request the controller save all available data (mark the audio/radar tapes)
2. Less than required separation between aircraft:

When any aircraft is operating VFR:

11-202V3 defines well clear as 500ft (this is the min clearance between aircraft)

When all aircraft are operating IFR:

Horizontal separation is 3mi if < 40 mi from the radar site or 5 mi if > 40 mi

Vertical separation is 1,000ft (2,000ft non RSVM above FL290)

Wake turbulence separation:

Medium behind a heavy - (Radar) 5 miles – (Non Radar) 2 minutes

3. Communications or navigation aid anomalies contributing to a hazardous condition
4. Any system, publication or directive contributing to a hazardous condition
5. Any occurrence on the ground endangering an aircraft

Sample Local MACA Briefing

Local Tokyo area:

“We’ll be taking off runway XX. Seven miles to the northeast of Yokota is Iruma. Iruma has U-4’s, C-1’s and T-4’s. Tachikawa lies four miles to the southeast of Yokota. Here we find MU-2’s, small Cessna’s and helicopters. 18 miles to the south we have Atsugi. Here we may see P-3’s, F-18’s and EA-6’s. Narita & Haneda are off to the east; expect high airline traffic flow to and from Narita & Haneda around Oshima. VFR aircraft generally fly along rivers and roads in fair weather. We will visually scan out both sides of the aircraft at all times. Let’s notify each other if one of us needs to go heads-down in the cockpit. We will acquire and avoid traffic primarily using our eyes, with the TCAS display and the radios serving as a back-up to our visual scan.”

Kadena: F-15’s, KC-135, AWACS, C-130, Cessna’s and AMC aircraft

Iwakuni: F-18, US-1 (flying boat)

Misawa: F-4, F-1, F-16

Andersen: Commercial aircraft, light twin’s and AMC aircraft