



UNITED NATIONS  
GENERAL  
ASSEMBLY



Distr.  
GENERAL

A/AC.105/INF.383  
28 August 1979

ORIGINAL: ENGLISH

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COMMITTEE ON THE PEACEFUL USES OF  
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH GENERAL ASSEMBLY  
RESOLUTION 1721 B (XVI) BY STATES LAUNCHING OBJECTS INTO  
ORBIT OR BEYOND

Note verbale dated 31 July 1979 from the Permanent Representative  
of Japan to the United Nations addressed to the Secretary-General

The Permanent Representative of Japan to the United Nations presents his compliments to the Secretary-General of the United Nations and, in conformity with General Assembly resolution 1721 B (XVI), has the honour to transmit herewith information concerning space objects named "AYAME" and "HAKUCHO", both of which were launched into earth orbit by Japan in February 1979.

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| 1. Name of satellite                     | Experimental Communications Satellite (ECS)<br>(Japanese name: AYAME)  |
| 2. International designation             | 1979-009A  |
| 3. Date and time, and place of launching | 8.46, 6 February 1979 (GMT)<br>Tanegashima Space Center, Kogoshima, Japan  |
| 4. Launch vehicle                        | N Launch vehicle   |
| 5. Launching organization                | National Space Development Agency of Japan<br>(NASDA)  |
| 6. Basic orbital parameters              | ECS was injected into the planned transfer orbit. On 9 February, however, ECS ceased radio emissions about 10 seconds after the apogee kick motor was fired. The present ECS orbit cannot be confirmed.        |
| 7. General function                      | Communications and propagation experiments of satellite-communication systems in the quasi-millimetre wave band as well as in the microwave band Operation and control experiment for geostationary satellites |

8. Characteristics of satellite:

- (1) Weight: 260 kg (mass at launch)
- (2) Physical configuration and dimensions:
  - (a) Configuration: Cylindrically shaped satellite
  - (b) Height: 1.9 m (including antenna)
  - (c) Diameter: 1.4 m
- (3) Attitude control subsystem: Spin stabilization

- 1. Name of satellite HAKUCHO
- 2. International designation 1979-014A
- 3. Date and place of launching 21 February 1979  
Kagoshima Space Center, Uchinoura,  
Kagoshima Prefecture, Japan
- 4. Launch vehicle Mu-3C-4
- 5. Launching organization The Institute of Space and Aeronautical  
Science, University of Tokyo
- 6. Basic orbital parameters
  - (1) Nodal period 96 minutes
  - (2) Inclination 30 degrees
  - (3) Height of apogee 577 km
  - (4) Height of perigee 545 km
- 7. General function Observation of X-ray radiations of  
celestial bodies with good time resolution  
over a wide spectrum range

8. Characteristics of satellite:

- (1) Weight: 96 kg
- (2) Physical configuration and dimensions:
  - (a) Configuration: Regular octagonal prism
  - (b) Height: 0.66 m
  - (c) Diameter: 0.76 m
- (3) Attitude control subsystem: Spin stabilization

- 9. Expected life: 2 years