

## Superwide Static Positioning commanding a Whole View of Japan

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### Introduction

At present, some static positioning within 50 kilometers square are made open to the public. But a static positioning over 2000 kilometers square commanding a whole view of Japan is not made open to the public. And so, this time a superwide static positioning over the length and breadth of Japan is made using some precise ephemerides.

### Purpose

I'll measure the positions of static objects at very high accuracy in a superwide areas over 2000 kilometers square.

### Observation Area

From Wakkanai to Okinawa including over the whole land of Japan.

### System Construction

The four stations are prepared acrossing the whole land of Japan and the four precise ephemerides have been made.

(Station) KumamotoSagara, Onkofu, OkayamaCyuo, Hatigo

(Survey Point) Many electronic base points set up acrossing the whole areas of Japan.

### Observation Method

(Measurement Time Interval) 30 seconds

(Measurement Micro Wave) L

(Measured Object) Pseudo Range, Accumulated Phases.

### Observation Results

1. The positions of electronic base points could be asked within the accuracy from some tenths centimeters of length to several meters standardizing the measurements values made open by GSI of Japan.

2. The measurement errors caused by the clock errors or the ambiguity have been submitted.

3. Though the positioning data are unsteady from several tenths centimeters of length to some meters by the unsteadiness caused when the accumulated phases and pseudo ranges are read, the positioning accuracy can be asked within several millimeters of length errors by cutting the unsteadiness caused when the accumulated phases and pseudo ranges are read.

The above mentioned facts'll be announced at the mass meeting in full detail.