

SITE INFORMATION

Current Site Name: Simosato
Other Site Name:
Location: 870
Site Number: Simosato Hydrographic Observatory, Japan
Geographic Region: Pacific
Tectonic Plate: Eurasian

General Site Description: The Simosato Hydrographic Observatory (SHO), one of the four hydrographic observatories of the Japan Coast Guard, is located at Simosato near the southern tip of Kii peninsula, Honsyu, Mainland Japan. A satellite laser ranging system was installed at the observatory in early March 1982. The system not only provides data for the study of polar motion and earth rotation, but also for studies on the Tokyo datum.

Local Geology: Southwest Japan; outer zone; Shimono belt

Site Topo Map: Available from Hydrographic Observatory.

CONTACT INFORMATION

Site Ownership: Japan
Site Management: SHO, Japan Hydrographic Department (JHD), Japan Coast Guard

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MONUMENT INFORMATION

Current Site Name: Simosato
 Location: Simosato Hydrographic Observatory, Japan
 Site Number: 870
 Number of Observing Monuments: 1
 Surveyed into National Network?: Yes

Monument Number: 7838
 Type of Monument: AZ EL Intersection
 Monument Inscription: None
 Systems Using Monument: SHOLAS Fixed Laser

Latitude: N 33° 34' 39.69688"
 Longitude: E 135° 56' 13.33936"
 Elevation: 62.440 meters
 Height above Ellipsoid: 101.618 meters
 Geodetic Coordinate Source/Date: JHD TOKYO-SHO / 01-Jan-2001
 Geodetic Coordinate Datum/Ellipsoid: WGS-84 (epoch 1997.0)
 Elevation Datum: Height above Tokyo mean sea level (T.P.)
 Source of Monument Geodetic Survey: Southwest Japan; outer zone; Shimono belt
 Ties:
 Comments: None

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
----	FIDUCIAL STONE MARKER	14.960	-3.684	12.672

Monument Number	Monument Inscription	North	East	Up
----	FIDUCIAL STONE MARKER	17.931	-7.762	-4.082

SITE SKETCH

Current Site Name: Simosato
Location: Simosato Hydrographic Observatory, Japan
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OCCUPATION HISTORY

Current Site Name: Simosato
 Location: Simosato Hydrographic Observatory, Japan
 Site Number: 870

SLR Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7838	SHOLAS	78383601	01-Mar-82	30-Jun-90
7838	SHOLAS	78383602	01-Jul-90	----

VLBI Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
No Previous Occupations				

GPS Occupations

Monument Number	Starting Date	Ending Date	Network
No Previous Occupations			

Footprint Surveys

Survey	Starting Date	Source
No footprint surveys were completed. See the station description notes for geodetic ties to other local geodetic stations.		