

SITE INFORMATION

Revised: 5/4/98

Current Site Name: Noto
Other Site Name: Sicily
Location: Noto, Sicily, Italy
Site Number: 852
Geographic Region: Mediterranean
Tectonic Plate: Eurasian

General Site Description: The site is located on the south eastern part of Sicily, about 40 km from Siracusa, between the small towns of Noto and Rosolini. The Noto Radioastronomy station is operated by the Istituto di Radioastronomia, National Research Council of Italy. A fixed 32-meter antenna is used for VLBI measurements and for astrophysical studies. A standard NASA pad for mobile laser ranging is located near the VLBI antenna.

Geological Province:

Local Geology: The site is in the southeastern part of Sicily on the Iblean platform. Iblean Plateau consists of Carbonatic Mesozoic sequence in which Triassic Dolomites and Reff limestones are considerably thick, and it is overlaid by terrains such as marly limestones, marls, and marly shales.

Site Topo Map: Foglio 277 Della Carta d' Italia 1:50,000; foglio selva malvezzi 88 iv se 1:25000 topographic map series. Available from Istituto Geografico Militare-Firenze-Italy

CONTACT INFORMATION

Site Ownership: Italy
Site Management:

Contact Person:
Address:

Telephone:
Fax:
E- mail:

MONUMENT INFORMATION

Revised: 5/4/98

Current Site Name: Noto
Location: Noto, Sicily, Italy
Site Number: 852
Number of Observing Monuments: 2
Surveyed into National Network? No

Monument Number: 7543
Type of Monument: Brass Disk in Standard NASA Pad
Monument Inscription: None
Systems using Monument: Mobile SLR

Latitude: N 36° 52' 35.75416"
Longitude: E 14° 59' 18.27681"
Elevation:
Height above Ellipsoid: 125.669 meters
Geodetic Coordinate Source/Date: TELESPAZIO-1991
Geodetic Coordinate Datum/Ellipsoid: IERS ITRF (1993)
Elevation Datum: None
Source of Monument Geodetic Survey Ties:
Comments: None

Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
7547	—	34.242	67.907	-38.223
—	A	41.040	-8.945	-50.246
—	B	34.004	6.323	-46.161
—	C	23.588	7.567	-32.421
—	D	37.644	20.373	-55.541
—	E	32.946	37.711	-52.232
—	F	20.504	39.289	-36.747
—	G	-14.463	9.390	17.017
—	H	15.968	69.294	-41.514
—	I	26.130	101.404	69.429
—	L	-0.250	128.854	-43.246
—	M	-11.748	173.959	-43.024
—	P	-28.671	3.493	39.974

MONUMENT INFORMATION

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Current Site Name: Noto
Location: Noto, Sicily, Italy
Site Number: 852

Differential Coordinates

Monument Number	Monument Inscription	North	East	Up
7547	—	60.968	56.741	17.568
—	A	-62.594	-19.258	-2.288
—	B	-57.618	-2.689	-0.114
—	C	-40.782	1.207	0.339
—	D	-69.413	9.942	-0.022
—	E	-66.734	27.904	1.921
—	F	-47.380	32.637	1.925
—	G	20.538	2.812	0.979
—	H	53.222	62.805	1.769
—	I	-86.428	91.192	-0.484
—	L	-54.453	124.532	0.524
—	M	-54.612	171.076	1.106
—	P	48.054	10.791	2.554

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Current Site Name: Noto
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Monument Number: 7547
Type of Monument: EL Axis Not Intercepting AZ AXES
Monument Inscription: None
Systems using Monument: 32-Meter Fixed Antenna

Latitude: N 36° 52' 33.77650"
Longitude: E 14° 59' 20.56787" meters
Elevation:
Height above Ellipsoid: 143.240 meters
Geodetic Coordinate Source/Date: IERS
Geodetic Coordinate Datum/Ellipsoid: ITRF94 (1993)
Elevation Datum:
Source of Monument Geodetic Survey Ties:
Comments:

Differential Coordinates

Monument Number	Monument Inscription	North	East	Up
7543	—	-60.968	-56.741	-17.568
—	G	81.599	-43.794	-16.589

SITE SKETCH

Revised: 5/4/98

Current Site Name: Noto, Italy
Location: Noto (Sicily), Italy
Site Number: 852

OCCUPATION INFORMATION

Revised: 5/4/98

Current Site Name: Noto
Location: Noto, Sicily, Italy
Site Number: 852

SLR Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7543	MTLRS-2	75431601	22-Oct-90	12-Dec-90
7543	TLRS-1	75431102	06-Jul-93	16-Oct-93

VLBI Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7547	25-METER	75478901	01-Jun-89	-----

GPS Occupations

Monument Name	Starting Date	Ending Date	Network
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Footpring Surveys

Survey	Starting Date	Source
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