

6713, MT Moltke

Project	2018 CSI GPS
Created	2018-01-09 15:51:27 NZDT by Neville Palmer
Updated	2018-05-16 13:37:48 NZST by GeodeticOne Tectonophysics
Location	-43.45654849, 170.1492156
Status	 Retrieved
Geodetic Code	6713
Station Name	MT Moltke
Station Height (m)	1990.0652
Station Height (ft)	6529

Mark, Site & Photo Details

Mark & Protection Details

Mark Type	Stainless Steel Pin
Mark Physical State	Reliable / Found
Mark Description	This mark is used for deformation monitoring, do not alter the ground mark in any way. SS pin cemented into 2" galv pipe. NB hole in pin is offset from centre of image by ~3mm @320' true - prob pin not vertical

Plates & Plaques

ID Plaque (bronze)	ID Plaque does Not Exist and was Not Installed
ID Plate (aluminium)	ID Plate does Not Exist and was Not Installed
Information Plate (aluminium)	Info Plate does Not Exist and was Not Installed

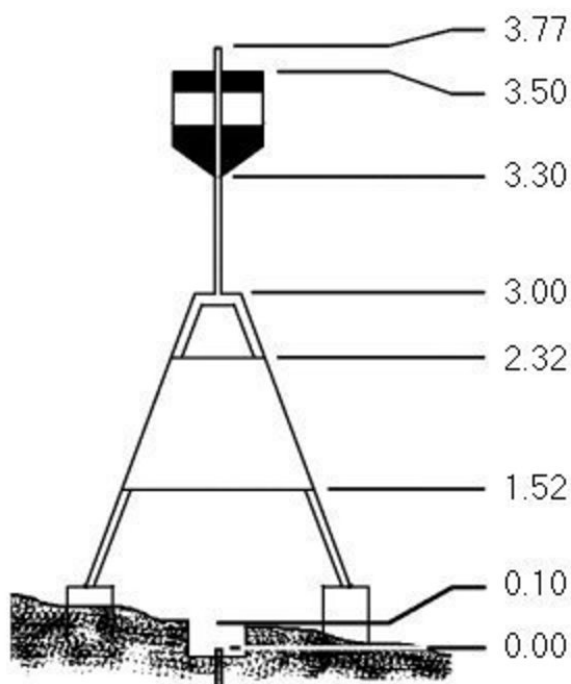
Protection

Primary Protection	No Protection
Secondary Protection	No Protection

Beacon Details

Beacon Type	Not Beacons
-------------	-------------

Existing Beacon Diagram (read only).



Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0.2
--	-----

Maintenance Completed and Required

Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	No
Protection Maintenance Required	No

Verification

Have all mark and protection fields above been updated or verified to be correct?	Yes
---	-----

Site & Access Details

Access and Location Description	By helicopter. Good landing 100m south from mark.
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Weak but reliable signal
Vodafone	Weak but reliable signal
2 Degrees	Network signal not tested

Verification

Have all site & access fields above been updated or verified to be correct? Yes

Photographs

Photo of Survey Mark





Photo of Immediate Site





Photo of Extended Site



Verification

Is there at least one photo taken for each field above?	Yes
Have any mark, site or photo details been updated or verified?	Yes - All details have been fully updated or verified.
Updated by:	Cyril Joureau

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	No Ownership Details Recorded
Address	No Ownership Details Recorded

Contact Comments

Access permission restrictions (to report in LINZ GDB)	No Reported Access Restrictions
--	---------------------------------

Owner

Is the owner known?	Yes
First Name	-
Last Name	South Westland - Weheka Area Office
Address	Main Road, PO Box 9, Fox Glacier,
Phone	03 751 0807

Site Contact

Is the site contact person known?	Same as owner
-----------------------------------	---------------

Access Contact

Is the access contact person known?	Same as site contact
-------------------------------------	----------------------

Verification

Have all owner & contact fields above been updated or verified to be correct?	Yes
Have any owner or contact details been updated or verified?	Yes - All details have been fully updated or verified.
Updated by:	Neville Palmer

Occupations

6713, 2018-03-22, 16:37, GNS49, 5451R50049, NetR9, Trimble

Geodetic Code	6713
Station Name	MT Moltke

Deployment

Observer(s)	Cyril Joureau
GNSS Receiver	GNS49, 5451R50049, NetR9, Trimble
GNSS Antenna	GNS49, 1312118502, Zephyr Geodetic 2, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Tripod
Set-up using a rotating optical plummet?	Yes
Bubble Centred?	Yes
Cross-hair on target?	Yes
Plummet Check OK?	Yes

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
Compass should read (magnetic bearing)	336
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	4
1st Height	0.778
2nd Notch Number	7
2nd Height	0.777
3rd Notch Number	2
3rd Height	0.777
Check Height Units	Decimal Inches
Check Height	30.6
Check Height Converted to Metres	0.7772

Start Time

Occupation Start Date (local)	2018-03-22
Occupation Start Time (local)	16:37
Occupation Start UTC	Thu, 22 Mar 2018 03:37:00 GMT
Year and DoY (UTC)	2018-081

Battery Details

Number of batteries deployed	One
ID of Battery 1	17M
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.6

This site is being deployed with multiple batteries. Please comment with all relevant details of the batteries deployed.

2018-03-28

Geodetic Code	6713
Occupation Period	2018-081_2018-086
Event logged by:	Rory Hart
Event Date	2018-03-28
Event Time	07:20
UTC time	Tue, 27 Mar 2018 18:20:00 GMT
Year and DoY (UTC)	2018-086
Event Comments	"Hole in pin is offset from centre of image by ~3mm @320' true - prob pin not vertical." (NB cannot retrace where this note came from but it was found in the Mark description notes). May be an indication of the condition of the mark, need to check if level in 2026?

Retrieval

Observer(s)	Jerry Simonsen, Rory Hart
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat battery

Battery Details

No batteries were recorded at deployment.

More than two batteries were recorded as deployed at this occupation. Comment below as necessary.

ID of Battery 1	17M
Voltage of Battery 1 at Deployment	12.6
Voltage of Battery 1 at Retrieval	11.17

End Time

Occupation End Date (local)	2018-03-28
Occupation End Time (local)	07:40
Occupation End UTC	Tue, 27 Mar 2018 18:40:00 GMT
Year and DoY (UTC)	2018-086

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
Compass should read (magnetic bearing)	336
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	2
1st Height	0.776
2nd Notch Number	7
2nd Height	0.776
3rd Notch Number	4
3rd Height	0.776
Check Height Units	Decimal Inches
Check Height	30.58
Check Height Converted to Metres	0.7767
Average Height recorded at Deployment	0.7773

Plumbing

Bubble Centred?	Yes
Cross-hair on target?	Yes
Plummet Check OK?	Yes

EDS27, 00490810.T02, 00490860.T02

Current Station	6713 - MT Moltke
Station Occupation times (UTC)	Start: 03:37 DoY 2018-081 UTC End: 18:40 DoY 2018-086 UTC
ID of Download Device	EDS27
Downloaded by:	Rory Hart
Download Date	2018-03-28
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	00490810.T02
Latest File Name Downloaded	00490860.T02
Total number of files downloaded.	6

Summary of Downloaded Files

Earliest Filenames Downloaded	00490810.T02
-------------------------------	--------------

Latest Filenames Downloaded	00490860.T02
-----------------------------	--------------

Numbers of files Downloaded	6
-----------------------------	---

For each block of downloaded files there will be an earliest and latest file downloaded, plus the total number of files downloaded. Typically there will only be one download block per occupation. Occasionally a receiver will be downloaded several times during an occupation (eg during an extended semi-cGPS occupation). In this instance there will be multiple earliest, latest, and number of files downloaded. These are summarised in the comma delimited lists above.