

AFUN, Mt Hutton

Project	2018 CSI GPS
Created	2018-01-09 15:51:40 NZDT by Neville Palmer
Updated	2018-05-22 09:08:48 NZST by GeodeticOne Tectonophysics
Location	-43.5881054, 170.4442459
Status	■ Retrieved
Deployment Status Comment	Must be completed (retrieved) Mon 02/04 at latest because mustering.
Geodetic Code	AFUN
Station Name	Mt Hutton
Station Height (m)	1927.6296
Station Height (ft)	6324

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. 12mm Stainless steel pin epoxied in rock.

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
-------------	-------------

Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0
--	---

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

Liebig Range headwaters of the Cass river, the site is located in a prominent basin north of point 1928 on the east ridge of Mt Olaf. Immediately to the east of this point lies a prominent saddle between Rankin stream and the east fork of Rutherford stream. The point is located on the eastern edge of the basin on a line of small rock outcrops. Look for a cairn. The point is located below & 11-12m west (263° magnetic) of cairn. A good helicopter landing point lies in the centre of the basin 250m south of the point. To find the point, look for a green area on the east ridge of Mt Olaf. It is distinctive since the rest of the ridge is bare rock.

Access vehicle

Heli

GNSS Suitability

Good

Cell Phone Network Coverage

Spark

No signal or unreliable signal

Vodafone

No signal or unreliable 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:	Neville Palmer, Cyril Joureau

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Godley Peaks Station
Phone	07 575 0627

Contact Comments

Additional comments relating to owner or contact details. (GNS use only.)	Same contact as B8XV
---	----------------------

Owner

Is the owner known?	Yes
Organisation or property name.	Verity Farms NZ Ltd
First Name	Ann
Last Name	Poindexter
Position (eg owner, manager, lesee, tenant, etc)	Director

Site Contact

Is the site contact person known?	Yes
Organisation or property name.	Godley Peaks Station
First Name	Rob & Karen
Last Name	Glover

Position (eg owner, manager, lesee, tenant, etc)	Manager
Phone	03 680 6919

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

AFUN, 2018-03-29, 11:47, GNS48, 5451R50047, NetR9, Trimble

Geodetic Code	AFUN
Station Name	Mt Hutton

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS48, 5451R50047, NetR9, Trimble
GNSS Antenna	GNS48, 1312118477, 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	7
1st Height	1.176
2nd Notch Number	4
2nd Height	1.177
3rd Notch Number	2
3rd Height	1.176
Check Height Units	Decimal Inches
Check Height	46.32
Check Height Converted to Metres	1.1765

Start Time

Occupation Start Date (local)	2018-03-29
Occupation Start Time (local)	11:47
Occupation Start UTC	Wed, 28 Mar 2018 22:47:00 GMT
Year and DoY (UTC)	2018-087

Battery Details

Number of batteries deployed	One
ID of Battery 1	17S
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	13.08

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

Retrieval

Observer(s)	Cyril Joureau, Neville Palmer
Was receiver logging on arrival?	Yes

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	17S
Voltage of Battery 1 at Deployment	13.08
Voltage of Battery 1 at Retrieval	11.84

End Time

Occupation End Date (local)	2018-04-01
Occupation End Time (local)	09:20
Occupation End UTC	Sat, 31 Mar 2018 20:20:00 GMT
Year and DoY (UTC)	2018-090

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	1.177
2nd Notch Number	7
2nd Height	1.176
3rd Notch Number	2
3rd Height	1.176
Check Height Units	Decimal Inches
Check Height	46.3
Check Height Converted to Metres	1.176

Average Height recorded at Deployment	1.1763
---------------------------------------	--------

Plumbing

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

Nev's phone, 00470871.T02, 00470890.T02

Current Station	AFUN - Mt Hutton
Station Occupation times (UTC)	Start: 22:47 DoY 2018-087 UTC End: 20:20 DoY 2018-090 UTC
ID of Download Device	Nev's phone
Downloaded by:	Neville Palmer
Download Date	2018-04-01
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	00470871.T02
Latest File Name Downloaded	00470890.T02
Total number of files downloaded.	3

Summary of Downloaded Files

Earliest Filenames Downloaded	00470871.T02
Latest Filenames Downloaded	00470890.T02
Numbers of files Downloaded	3

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.