

AEMC, Little Mt Hay

Project	2018 CSI GPS
Created	2018-01-09 15:51:38 NZDT by Neville Palmer
Updated	2018-05-25 09:58:10 NZST by GeodeticTwo Tectonophysics
Location	-43.96036004, 170.5527897
Status	■ Retrieved
Geodetic Code	AEMC
Station Name	Little Mt Hay
Station Height (m)	796.5339
Station Height (ft)	2613

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 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
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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
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Site & Access Details

Access and Location Description

Location off Lillybank Rd. Mark is located in a prominent rock outcrop in paddock 1 km Northeast of Mt Hay stn house (8.9 km from State Highway). Look for a brown gate about 200m Northeast of yards. From gate follow steep track up fenceline about 300m to saddle. Climb to top of obvious rock outcrop on right. It is possible to drive within a few m of point by driving slightly over the saddle and approaching from the east. Site is secure

Additional access notes (GNS use only)

See locus map track

Access vehicle

4WD

GNSS Suitability

Good

Cell Phone Network Coverage

Spark

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:	Chris Pearson

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	John Simpson
Phone	03 680 6897
Address	Lake Tekapo,

Owner

Is the owner known?	Yes
First Name	John
Last Name	Simpson
Address	Lake Tekapo,
Phone	03 680 6897

Site Contact

Is the site contact person known?	Same as owner
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Access Contact

Is the access contact person known?	Yes
First Name	Guy
Last Name	Simpson

Position (eg owner, manager, lessee, tenant, etc)	Manager
Phone	03 6806897

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:	Chris Pearson

Occupations

AEMC, 2018-01-26, 14:45, GNS36, 5130K77201, NetR9, Trimble

Geodetic Code	AEMC
Station Name	Little Mt Hay

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS36, 5130K77201, NetR9, Trimble
GNSS Antenna	GNS36, 1441137986, 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)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	1
1st Height	1.132
2nd Notch Number	6
2nd Height	1.135
3rd Notch Number	4
3rd Height	1.135
Check Height Units	Decimal Inches
Check Height	44.7
Check Height Converted to Metres	1.1354

Start Time

Occupation Start Date (local)	2018-01-26
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Occupation Start Time (local)	14:45
Occupation Start UTC	Fri, 26 Jan 2018 01:45:00 GMT
Year and DoY (UTC)	2018-026

Battery Details

Number of batteries deployed	One
ID of Battery 1	17d
Capacity of Battery 1 (Ahr)	38 Amp Hour
Voltage of Battery 1	12.7

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

2018-05-25

Geodetic Code	AEMC
Occupation Period	2018-026_2018-030
Event logged by:	Rory Hart
Event Date	2018-05-25
Event Time	09:54
UTC time	Thu, 24 May 2018 21:54:00 GMT
Year and DoY (UTC)	2018-144
Event Comments	First occupation of this site was knocked or disturbed, probably because feet weren't stabilised. Used deployed values for RINEX.

2018-05-25

Geodetic Code	AEMC
Occupation Period	2018-026_2018-030
Event logged by:	Rory Hart
Event Date	2018-05-25
Event Time	09:56
UTC time	Thu, 24 May 2018 21:56:00 GMT
Year and DoY (UTC)	2018-144
Event Comments	Tripod was knocked over during 2nd deployment, likely because feet were still not stabilised. Used deployed values for RINEX.

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
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	17d
Voltage of Battery 1 at Deployment	12.7
Voltage of Battery 1 at Retrieval	11.1

End Time

Occupation End Date (local)	2018-01-31
Occupation End Time (local)	08:14

Occupation End UTC	Tue, 30 Jan 2018 19:14:00 GMT
Year and DoY (UTC)	2018-030

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	4
1st Height	1.11
2nd Notch Number	7
2nd Height	1.11
3rd Notch Number	3
3rd Height	1.1
Check Height Units	Decimal Inches
Check Height	43.7
Check Height Converted to Metres	1.11
Average Height recorded at Deployment	1.134

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Site disturbed
Cross-hair on target?	Not Checked
Explain why cross-hair is not on target.	Site disturbed
Plummet Check OK?	Not Checked
Explain why plummet check is not OK.	Site disturbed too far off level to measure an offset

Gns3, 72010260.T02, 72010300.T02

Current Station	AEMC - Little Mt Hay
Station Occupation times (UTC)	Start: 01:45 DoY 2018-026 UTC End: 19:14 DoY 2018-030 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-02-07
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	72010260.T02
Latest File Name Downloaded	72010300.T02
Total number of files downloaded.	5

Summary of Downloaded Files

Earliest Filenames Downloaded	72010260.T02
Latest Filenames Downloaded	72010300.T02
Numbers of files Downloaded	5

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.

AEMC, 2018-01-31, 08:55, GNS36, 5130K77201, NetR9, Trimble

Geodetic Code	AEMC
Station Name	Little Mt Hay

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS36, 5130K77201, NetR9, Trimble
GNSS Antenna	GNS36, 1441137986, 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)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	2
1st Height	1.13
2nd Notch Number	6
2nd Height	1.132
3rd Notch Number	4
3rd Height	1.132
Check Height Units	Decimal Inches
Check Height	44.5
Check Height Converted to Metres	1.1303

Start Time

Occupation Start Date (local)	2018-01-31
Occupation Start Time (local)	08:55
Occupation Start UTC	Tue, 30 Jan 2018 19:55:00 GMT
Year and DoY (UTC)	2018-030

Battery Details

Number of batteries deployed	One
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ID of Battery 1	11g
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.93
This site is being deployed with multiple batteries. Please comment with all relevant details of the batteries deployed.	

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat bat

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	11g
Voltage of Battery 1 at Deployment	12.93
Voltage of Battery 1 at Retrieval	11.3

End Time

Occupation End Date (local)	2018-02-03
Occupation End Time (local)	14:19
Occupation End UTC	Sat, 03 Feb 2018 01:19:00 GMT
Year and DoY (UTC)	2018-034

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	No
Explain why not aligned north.	Blown over

Antenna Height

Height Measured To	Not Measured
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Plumbing

Bubble Centred?	Not Checked
Explain why bubble is not centred.	Blown over
Cross-hair on target?	Not Checked
Explain why cross-hair is not on target.	Blown over
Plummet Check OK?	No
Explain why plummet check is not OK.	Blown over

Gns3, 72010302.T02, 72010330.T02

Current Station	AEMC - Little Mt Hay
Station Occupation times (UTC)	Start: 19:55 DoY 2018-030 UTC End: 01:19 DoY 2018-034 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson

Download Date	2018-02-03
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	72010302.T02
Latest File Name Downloaded	72010330.T02
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	72010302.T02
Latest Filenames Downloaded	72010330.T02
Numbers of files Downloaded	4

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.

AEMC, 2018-02-03, 14:32, GNS36, 5130K77201, NetR9, Trimble

Geodetic Code	AEMC
Station Name	Little Mt Hay

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS36, 5130K77201, NetR9, Trimble
GNSS Antenna	GNS36, 1441137986, 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)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	1
1st Height	1.125
2nd Notch Number	3
2nd Height	1.126
3rd Notch Number	6
3rd Height	1.128
Check Height Units	Decimal Inches
Check Height	44.3

Check Height Converted to Metres	1.1252
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Start Time

Occupation Start Date (local)	2018-02-03
Occupation Start Time (local)	14:32
Occupation Start UTC	Sat, 03 Feb 2018 01:32:00 GMT
Year and DoY (UTC)	2018-034

Battery Details

Number of batteries deployed	One
ID of Battery 1	17p
Capacity of Battery 1 (Ahr)	38 Amp Hour
Voltage of Battery 1	12.8

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

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat bat

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	17p
Voltage of Battery 1 at Deployment	12.8
Voltage of Battery 1 at Retrieval	11.2

End Time

Occupation End Date (local)	2018-02-07
Occupation End Time (local)	10:45
Occupation End UTC	Tue, 06 Feb 2018 21:45:00 GMT
Year and DoY (UTC)	2018-037

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	8
1st Height	1.125
2nd Notch Number	3
2nd Height	1.125
3rd Notch Number	6
3rd Height	1.127

Check Height Units	Decimal Inches
Check Height	44.35
Check Height Converted to Metres	1.1265
Average Height recorded at Deployment	1.1263

Plumbing

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

Gns3, 72010340.T02, 72010370.T02

Current Station	AEMC - Little Mt Hay
Station Occupation times (UTC)	Start: 01:32 DoY 2018-034 UTC End: 21:45 DoY 2018-037 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-02-07
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	72010340.T02
Latest File Name Downloaded	72010370.T02
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	72010340.T02
Latest Filenames Downloaded	72010370.T02
Numbers of files Downloaded	4

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.