

AFB7, Ailsa Pass

Project	2018 CSI GPS
Created	2018-01-09 15:51:40 NZDT by Neville Palmer
Updated	2018-05-25 11:15:49 NZST by GeodeticTwo Tectonophysics
Location	-43.64654781, 170.3367276
Status	■ Retrieved
Geodetic Code	AFB7
Station Name	Ailsa Pass
Station Height (m)	2009.2299
Station Height (ft)	6592

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. 0.5" 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
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Height Details (all in metres)

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

Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	Yes
Description	Dynabolts should be installed next time (March 2018)
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 South of tarn in basin SW of Ailsa Pass the site is on a smooth rock outcrop a few tens of m downhill to the WSW of the point 2205 which is the top of a prominent rock knoll due south of the west edge of the tarn. Helicopter landing is on a broad flat area in the shallow col to the east of point 2005. It is a 2-3 min walk from there to the site passing over 2005. As you walk down the ridge WSW of point 2005, you reach the site just as the tarn disappears from view. Bearing 348' magnetic from site to obvious tooth on ridge NE of Ailsa Pass. Bearing 172' magnetic from site to summit of Mt Jukes.
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:	Cyril Joureau

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	DoC - Canterbury Conservancy
Phone	03 435 0802

Address	Wairepo Rd, Private Bag, Twizel,
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Owner

Is the owner known?	Yes
First Name	Richard
Last Name	McNamara
Address	Wairepo Rd, Private Bag, Twizel,
Phone	03 435 0802

Site Contact

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

Is the access contact person known?	Same as site contact
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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

AFB7, 2018-03-29, 12:52, LINZ26, 0220283944, 5700, Trimble

Geodetic Code	AFB7
Station Name	Ailsa Pass

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	LINZ26, 0220283944, 5700, Trimble
GNSS Antenna	LINZ26, 12611631, Zephyr Geodetic, 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)
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1st Notch Number	4
1st Height	1.067
2nd Notch Number	7
2nd Height	1.066
3rd Notch Number	2
3rd Height	1.065
Check Height Units	Decimal Inches
Check Height	41.91
Check Height Converted to Metres	1.0645

Start Time

Occupation Start Date (local)	2018-03-29
Occupation Start Time (local)	12:52
Occupation Start UTC	Wed, 28 Mar 2018 23:52:00 GMT
Year and DoY (UTC)	2018-087

Battery Details

Number of batteries deployed	One
ID of Battery 1	08Q
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.92

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

2018-05-25

Geodetic Code	AFB7
Occupation Period	2018-087_2018-090
Event logged by:	Rory Hart
Event Date	2018-05-25
Event Time	11:15
UTC time	Thu, 24 May 2018 23:15:00 GMT
Year and DoY (UTC)	2018-144
Event Comments	Tripod moved sometime during occupation. Have used deployed values for RINEX.

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	08Q
Voltage of Battery 1 at Deployment	12.92
Voltage of Battery 1 at Retrieval	11.61

End Time

Occupation End Date (local)	2018-04-01
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Occupation End Time (local)	09:45
Occupation End UTC	Sat, 31 Mar 2018 21:45:00 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	1.073
2nd Notch Number	7
2nd Height	1.071
3rd Notch Number	2
3rd Height	1.071
Check Height Units	Decimal Inches
Check Height	42.07
Check Height Converted to Metres	1.0686
Average Height recorded at Deployment	1.066

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	6 div 350 mag
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	175
Distance in mm from mark to cross-hair	16
Explain why cross-hair is not on target.	Moved during occupation
Plummet Check OK?	Yes

Nev's phone, 39440870.t01, 39440900.t01

Current Station	AFB7 - Ailsa Pass
Station Occupation times (UTC)	Start: 23:52 DoY 2018-087 UTC End: 20:45 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	39440870.t01
Latest File Name Downloaded	39440900.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	39440870.t01
Latest Filenames Downloaded	39440900.t01

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.
