

# Movements of Glen in 2010

## 11 July 2010: Now flying

Colin McLean saw young flying near the nest site.

## 10 August 2010: Moved SW from breeding area

Glen was on heather moors above Glen Muick today – to the SW of the breeding area. Class 2 and 3 locations – with movements of 900 metres and 700 metres.



## 15 August 2010: Angus to Aberdeenshire

Glen was on the southern slopes of the Aberdeenshire/Angus march in the morning and then flew north for 9.4km on to the Deeside moors.



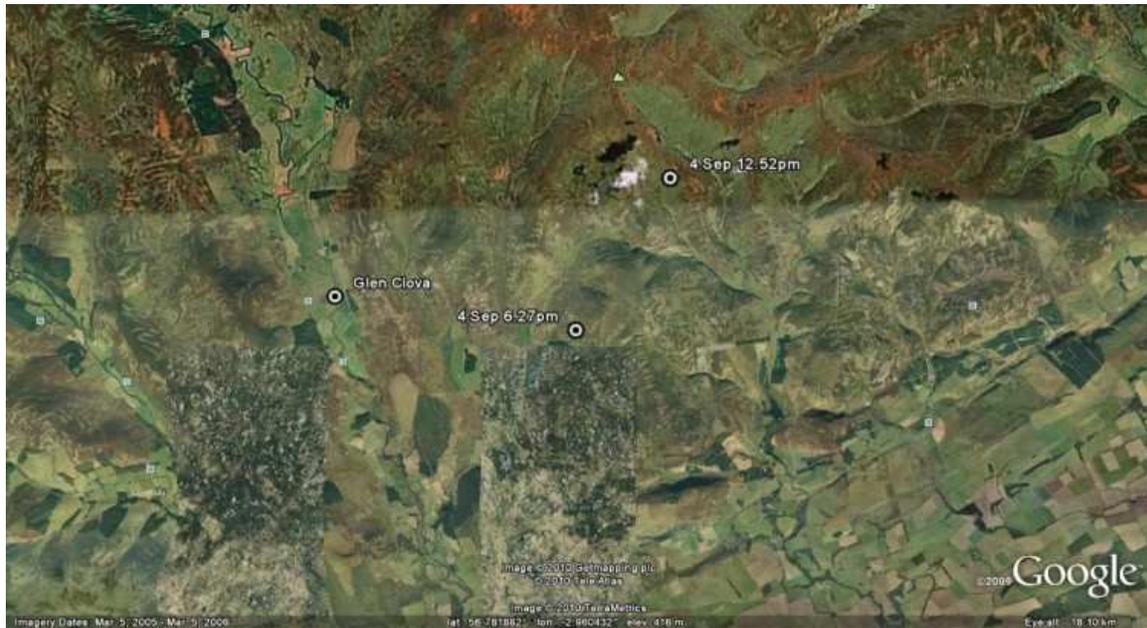
## 20 August 2010: On the local moors

Glen flying over the high moors to the west side of Glentanar estate.



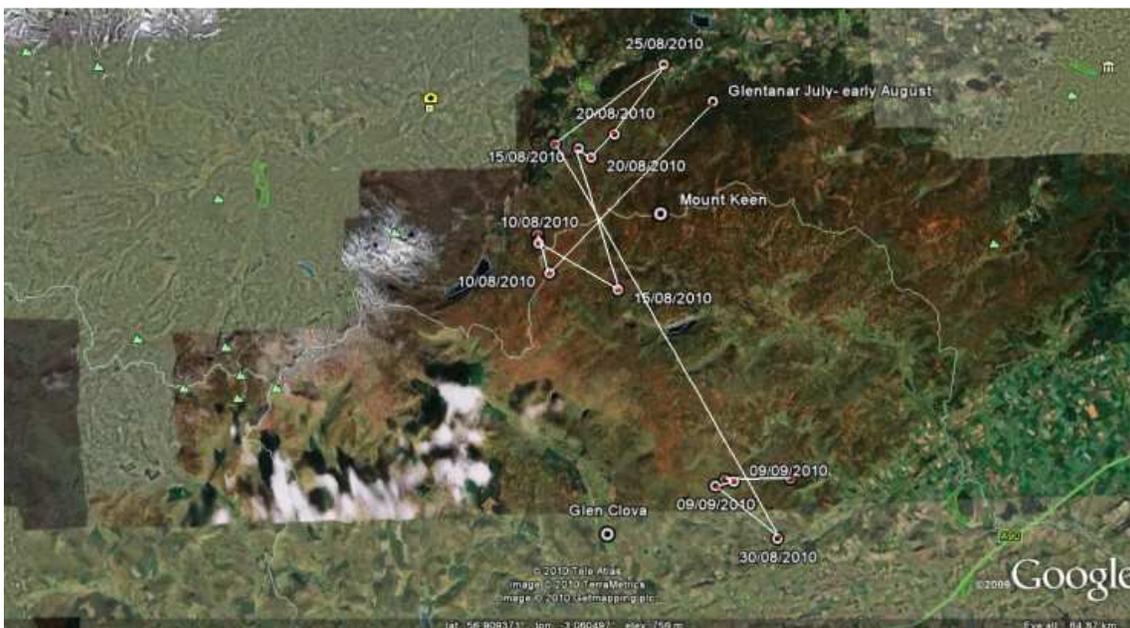
## 04 September 2010

Glen is still in the same area; in evening closer to the entrance of Glen Clova.

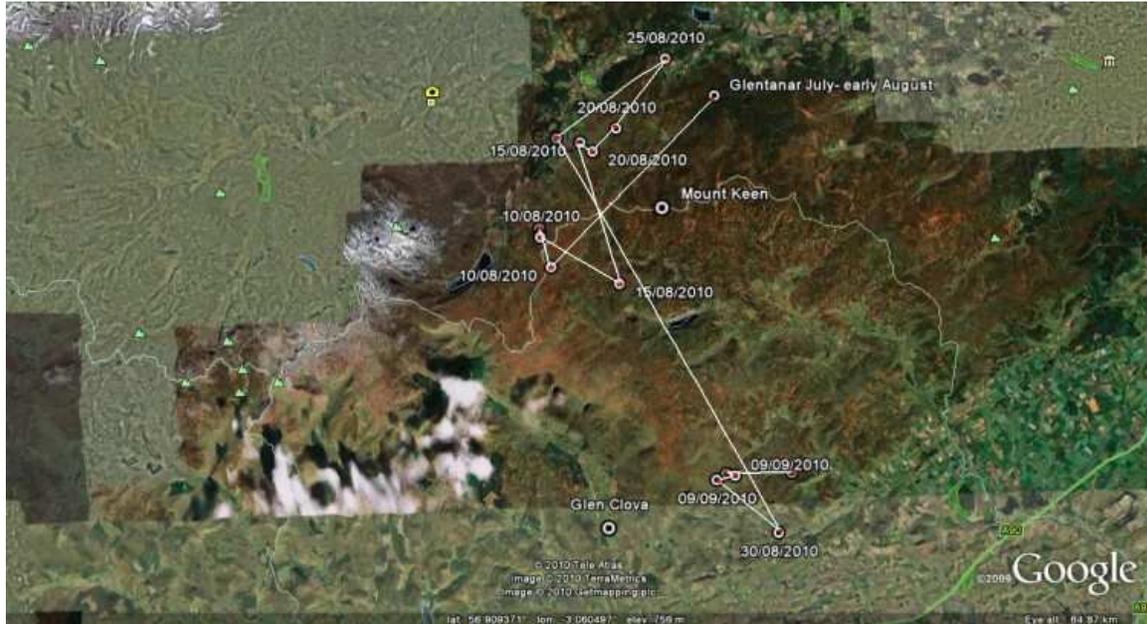


## 09 September 2010: First month's movements

The following map shows the main movements of Glen since he left the breeding area at Glentanar in early August. Remember the lines are not the flight lines but just join up the sequential best quality locations.

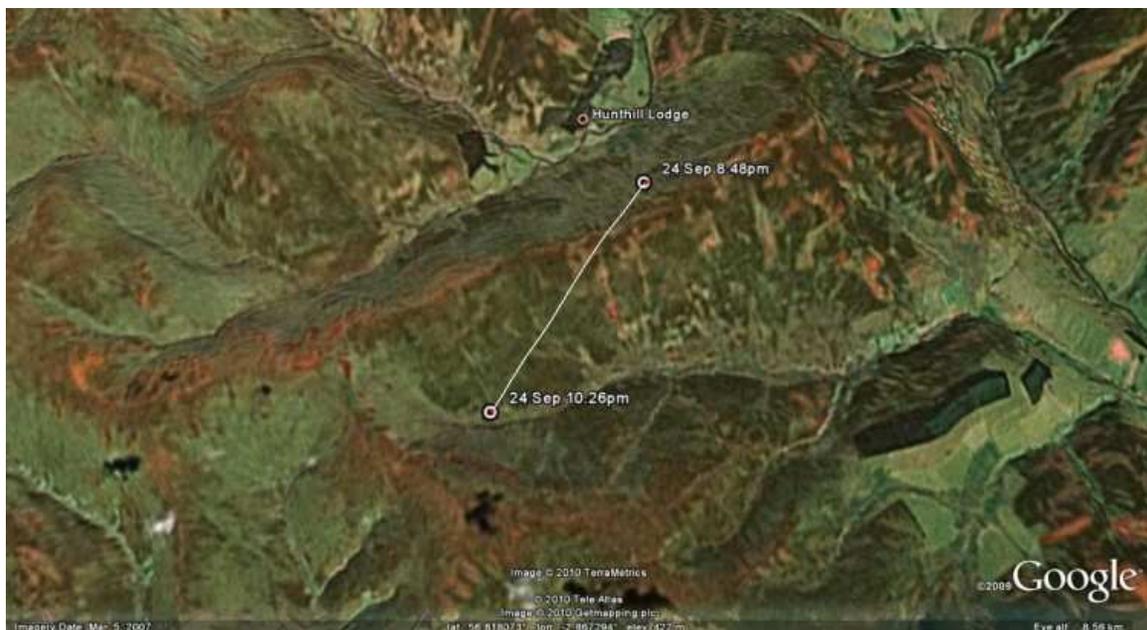


## 14 September 2010: Moving eastwards over moor



## 24 September 2010: Still on same moors

Glen is still living on the edge of the moorlands in Angus to the east of the entrance to Glen Clova. Two high quality signals came in overnight (class 3 and class2), showing a movement down into the glen to roost.





Glen's location in wider countryside

### 29 September 2010: Still in same area

At 7.52pm a class 3 signal near Glenmoy (blue dot on Map) and then another fix nearby. Two hours earlier Glen was 7 kms to the east on the moors.



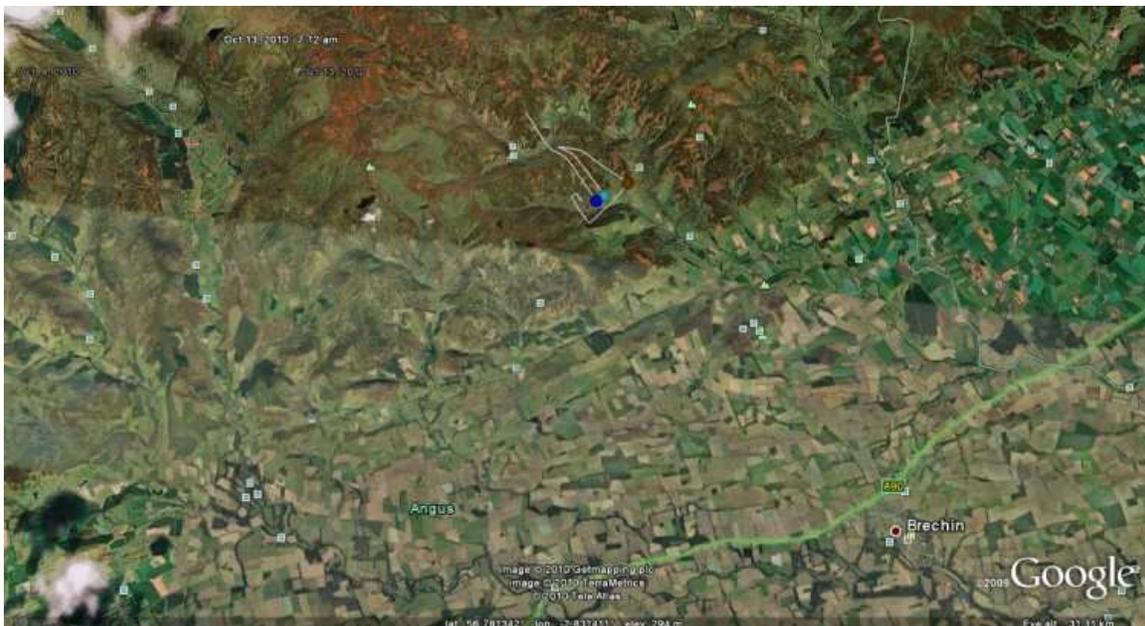
#### 04 October 2010: Glen Lethnot

This evening Glen was again in a side glen of Glen Lethnot. He seems very settled in this general location on the edge of the Angus moors.



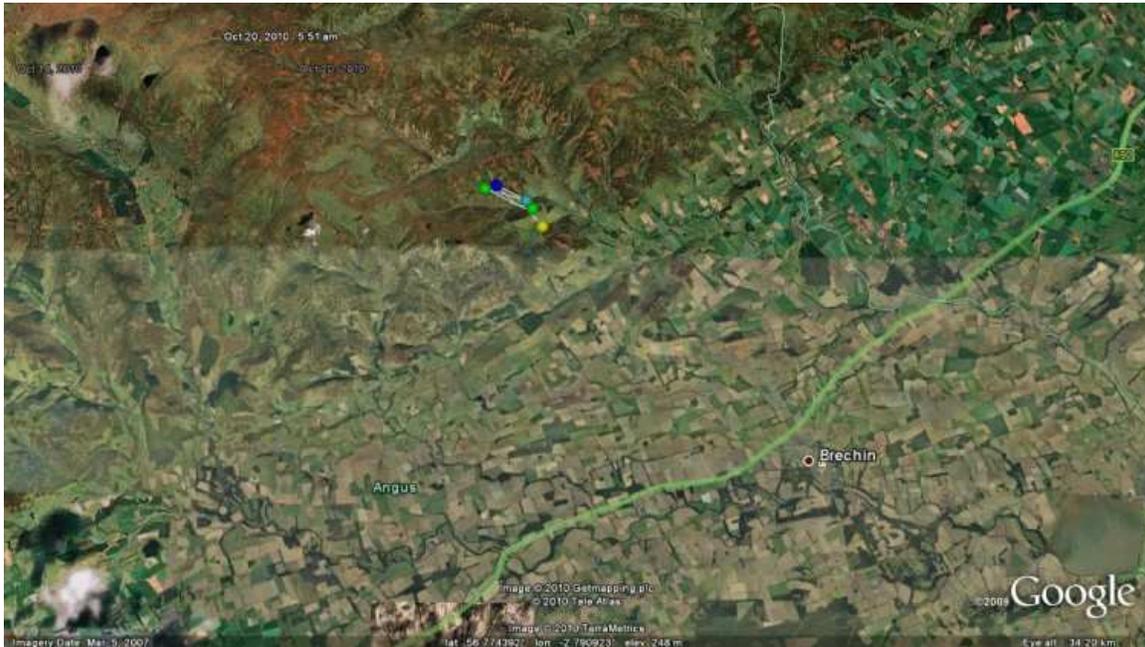
#### 09 October 2010: No change

Glen remains in the same area of hills 15 kms NW of Brechin, overlooking the coastal agricultural plain. Accurate class 3 locations (dark and light blue dots) in a side glen of Glen Lethnot came in for 9th October.



## 20 October 2010: Hunting farmland

Glen was in his usual night roosting area in the hills on nights of 15th/16th and 19th/20th and a signal after dawn on 20th suggests that he was heading downhill to hunt on farmland and rough grazings around the edge of the heather moors.



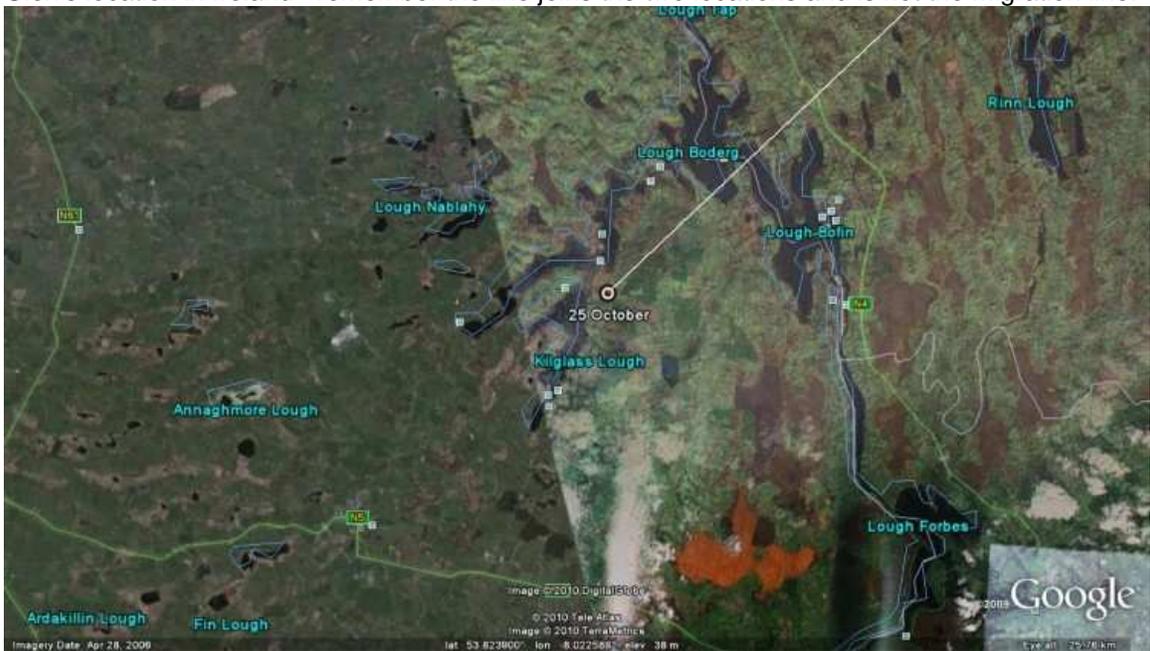
Locations on 16<sup>th</sup> and 20<sup>th</sup> October

## 25 October 2010: Glen goes to Ireland

This morning, 6.06am a class 2 signal showed that Glen was 464 kms SW of Glen Lethnot, Angus (his location on last signal 20th October); four other transmissions gave the same general area. It's very exciting to check the data and suddenly find that one of the birds has made a big move. He is in an area of low intensive farming, bogs and plantations near Kilglass Lough, Co Roscommon, between the villages of Carrigeen and Barravalley. Brian Etheridge showed with the large scale wing-tagging of hen harrier chicks, 5% of sightings outside Scotland came from Ireland, mainly young from the north and west Highlands. He believed that the percentage would be much higher than 5%, because of the scarcity of observers during the study to see and report sightings of wing-tagged harriers.

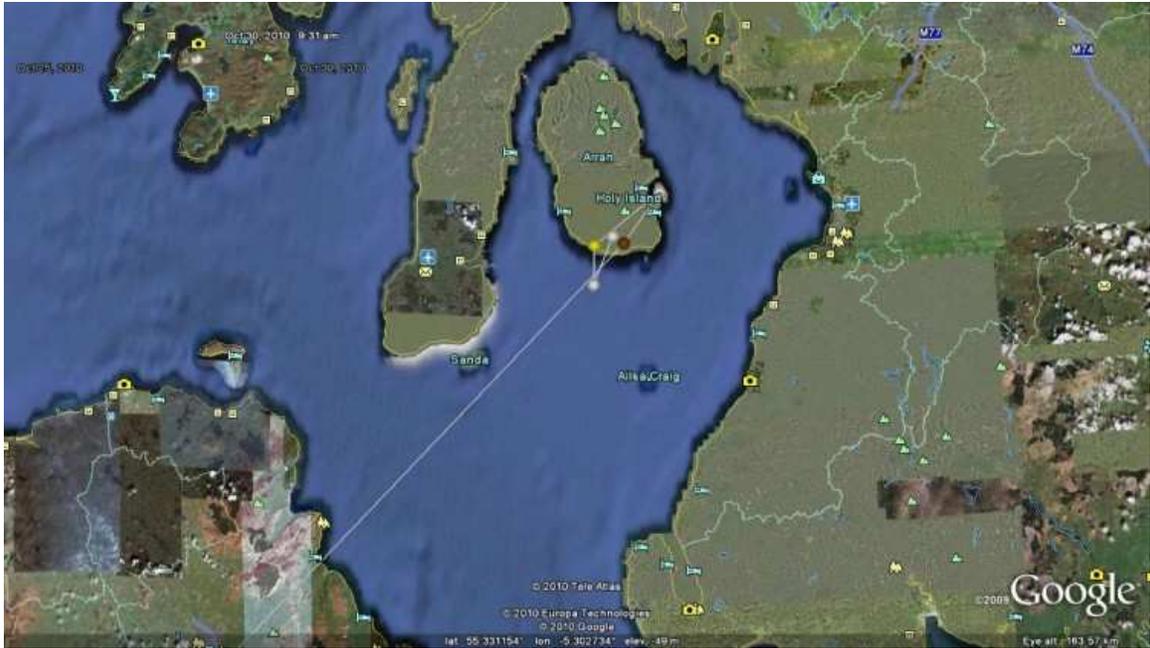


Glen's location in Ireland - remember the line joins the two locations and is not the migration line.



### 30 October 2010: Back in Scotland – now on Arran

Very surprisingly, the five locations on 30th October gave Glen's position in the southern part of the Isle of Arran, 250 kms back to the NW. We had had such a good response from the Irish hen harrier watchers but now he's left their study areas.

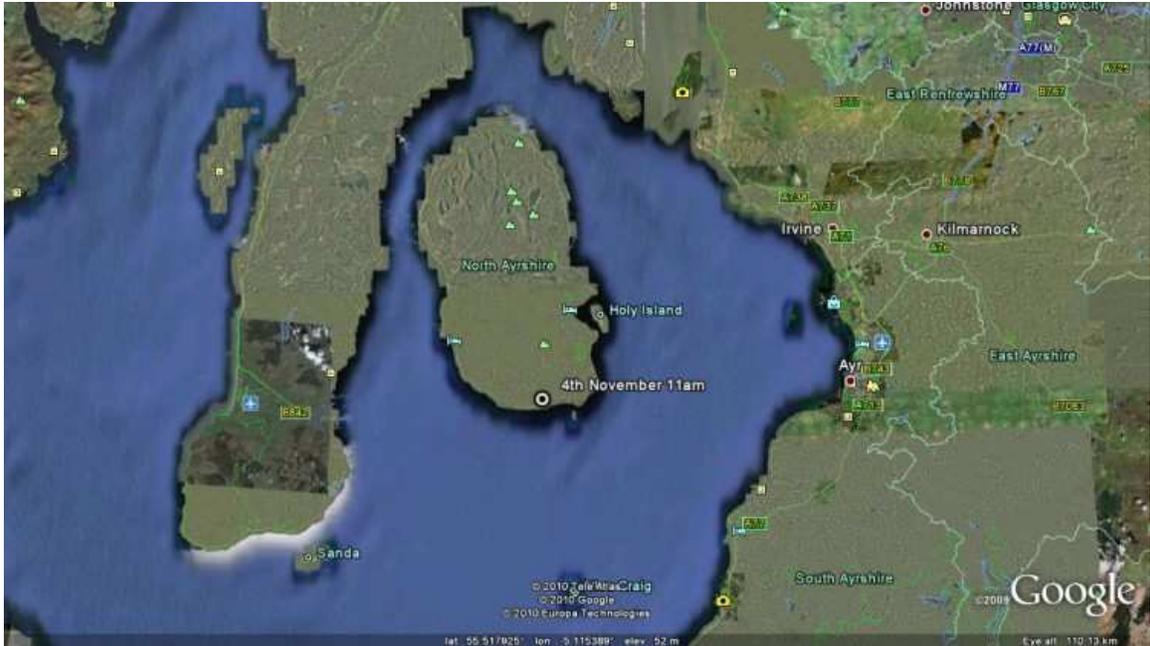


#### 04 November 2010: Living on the Isle of Arran

Transmissions coming in this morning included a highest quality one (less than 150 metres) at 11am. He is still on the Isle of Arran, at the south end at Bennan, just east of Lagg. He was, presumably hunting, in farmland, along a small rough grassland valley, between the moors and conifer plantations and the coast.



Glen's location at 11am



Glen's location on Arran today

### 09 November 2010: Still on Arran

Two very accurate locations came in today and this morning Glen was a couple kms west of his previous position. He was close to the coast near Lagg on the southern coast of the Isle of Arran.



**21 November 2010: No news**

The dark days of November can be a problem as very little sun hits the solar array on the transmitter, so we receive no transmissions.

**22 November 2010: No news**

Still no signals from Glen's transmitter – unable to say if it's due to the lack of sunlight in December (he has the small solar panel transmitter) or that something has happened to him.

**08 March 2011: Mystery signal**

On 8th March, there was a one line signal from Glen's transmitter – impossible to deduce anything from it except the transmitter is not destroyed. There is just a possibility that as the sun rises higher and gets stronger the battery may get charged enough to show if the transmitter is on the ground or Glen is still alive.