This note documents the progress at the Edinburgh GIN to prepare the GIN for the transfer of data and operations from the Intermagnet data portal at the Ottawa GIN. The note describes the state of affairs at the end of September 2021.

Task	Progress
Agreement from BGS IT infrastructure managers: 1.) To host the size of data associated with the INTERMAGNET archive 2.) For a secure way to allow rsync data to be received by BGS from the other INTERMAGNET GINs	Complete
Create software to receive incoming rsync streams from the 4 INTERMAGNET GINs (Paris, Ottawa, Kyoto, Golden).	A "containerised" design has been implemented, using Docker and Kubernetes, to create a cache for incoming rsync data from Intermagnet GINs. The system has been deployed to a "staging" location in the BGS DMZ where it can be tested by the 4 GINs. Work is needed to complete the script that will be used to upload data from the cache into the Edinburgh GIN database.
Start receiving incoming data via rsync. Need to remember to finalise work on gin_rsync so that data received from other GINs is not sent back to Canada: Details here	Not started, but the system to receive data is now available and tests can start
Transfer historic archive data from NRCan	Not started
Re-vamp previous code that provides ftp access to INTERMAGNET data at the Edinburgh GIN.	Bespoke ftp software is necessary to access the data in the GIN. Software was created for this many years ago, but had not been used recently and needed upgrading. The software is now working (including fixing of previous bug with ftp "passive" mode"). A virtual machine has been set up in the BGS DMZ to host the software. All that remains is to deploy the software and advertise the service.
INTERMAGNET web service, data download service and plotting service	Complete - see https://imag-data.bgs.ac.uk/GIN/.
Modify BGS INTERMAGNET software to respect the data 'embargo period'	Embargo period now implemented in all software at BGS. Details of embargos requested by Intermagnet observatories have been transferred from NRCan and configured in the Edinburgh GIN.
Create software to display plots of recent geomagnetic activity ("hourly ranges")	Agreement has been made with Sodankylä Geophysical Observatory for their staff to create a system to display plots of recent activity from INTERMAGENT data. They will access the data via the INTERMAGNET web service provided by BGS.

	*** It might be useful for someone from NRCan to speak to the SGO staff to find out the scientific suitability of what they propose. ***
Create, store and distribute logs of data usage to IMOs	Implemented as part of https://imag-data.bgs.ac.uk/GIN/.
Add definitive data (in IAF format) from Paris GIN to the archive held at BGS.	NRCan will continue to clone definitive data from the Paris GIN and convert this from IAF to IAGA2002. They will then put this IAGA2002 data into the rsync stream from NRCan to BGS. No further work is needed at BGS to implement this.