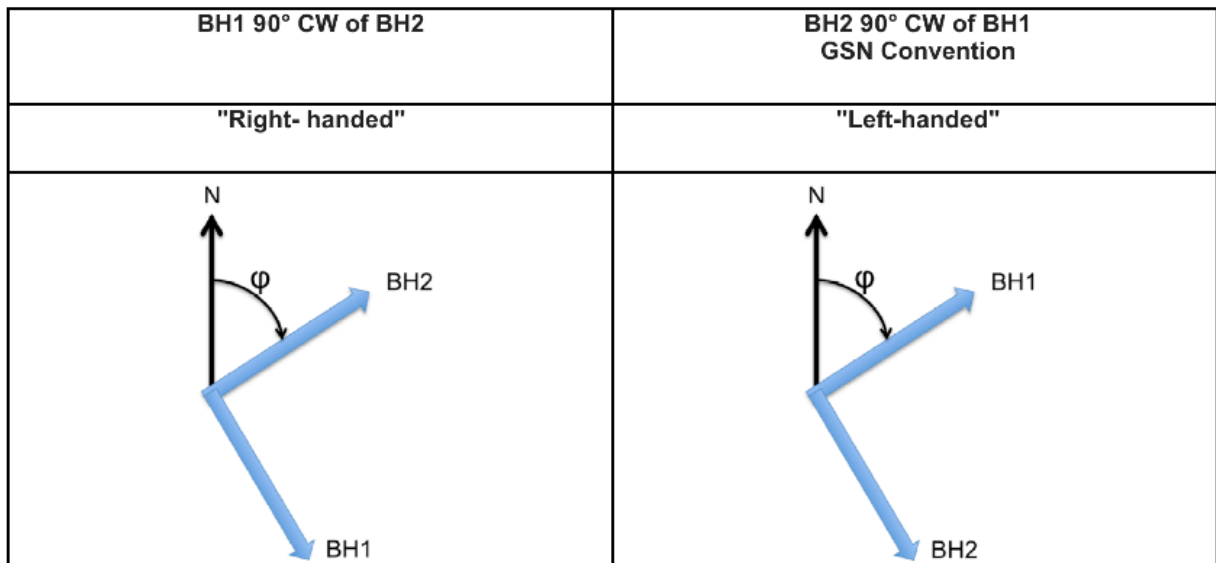


Appendix E – Data Re-upload and Horizontal Convention Change

On 2/28/2014, the OBSIP Management Office (OMO) restricted access to the Cascadia Initiative dataset at the IRIS Data Management Center (DMC) in order to resolve a channel naming error that results in a large number of stations having an incorrect relative horizontal channel orientation.

The channel-naming errors affected LDEO OBS data in Year 1 and Year 2 and the SIO OBS data for Year 2. As a result of this change, OBSIP will make all of the Cascadia Initiative data consistent in relative horizontal channel orientation.

The relative orientation of the horizontal components for the Cascadia Stations were incorrectly defined. There are two options for the relative orientation of the horizontal channels.



Because OBSIP instruments are built and operated by three different IIC's, the usage of default relative horizontal orientation of channels varied in Year 1. In Year 2, all of the data was intended to be uploaded in the GSN convention (BH2 90° CW of BH1). The Cascadia data has been corrected for both Year 1 and Year 2 so that all data follows the GSN convention (BH2 90° CW of BH1).

The data was corrected and unrestricted on 5/2/2014. All older datasets should be re-downloaded from the IRIS DMC.

1.1.1. Current conventions

Year 1	
IIC	Convention
LDEO	BH2 oriented 90° clockwise from BH1
SIO	BH2 oriented 90° clockwise from BH1
WHOI	BH2 oriented 90° clockwise from BH1

Year 2	
IIC	Convention
LDEO	BH2 oriented 90° clockwise from BH1
SIO	BH2 oriented 90° clockwise from BH1
WHOI	BH2 oriented 90° clockwise from BH1

1.1.2. Previous conventions

Year 1	
IIC	Convention
LDEO	BH2 oriented 90° counterclockwise from BH1
SIO	BH2 oriented 90° clockwise from BH1
WHOI	BH2 oriented 90° counterclockwise from BH1

Year 2	
IIC	Convention
LDEO	BH2 oriented 90° counterclockwise from BH1
SIO	BH2 oriented 90° counterclockwise from BH1
WHOI	BH2 oriented 90° clockwise from BH1