

Channel Naming Conventions for Cascadia Initiative

Definitions:

Redacted = gaps in data due to the data being withheld by the Navy for time of interest, these segments of data are usually a few hours long

sps = samples per second

Seismometer Channels

Channel Name	Sample Rate (sps)	Description	Redacted (Y/N)	Filtered (Y/N)	LDEO	SIO ABALONE	SIO LP4x4	WHOI KECK	WHOI ARRA
BHZ, BH1, BH2	50 (SIO) 40 (WHOI)	Broadband unfiltered, some stations redacted by Navy, no post acquisition filtering	Y	N		X		X	X
BXZ, BX1, BX2	50 (SIO) 40 (WHOI)	Broadband data, no redaction, post-acquisition low-pass filter at 4 Hz for 2011-2012, 3 Hz for 2012-2013	N	Y		X		X	X
HHZ, HH1, HH2	125 (LDEO) 100 (SIO)	Broadband data, some stations redacted by Navy in 2011-2012, no post-acquisition filtering	Y	N	X		X		
HXZ, HX1, HX2	125 (LDEO) 100 (SIO)	Broadband data, no redaction, post-acquisition low-pass filter at 4 Hz for 2011-2012, 3 Hz for 2012-2013	N	Y	X		X		
LHZ, LH1, LH2	1	Broadband unfiltered, no redaction, no post-acquisition filtering	N	N				X	X

Accelerometer Channels

Channel Name	Sample Rate (sps)	Description	Redacted (Y/N)	Filtered (Y/N)	LDEO	SIO ABALONE	SIO LP4x4	WHOI KECK	WHOI ARRA
BNZ, BN1, BN2	40	Broadband accelerometer, some stations redacted by Navy, no post-acquisition filtering	Y	N				X	
BYZ, BY1, BY2	40	Broadband accelerometer, no redaction, post-acquisition low-pass filter at 3 Hz	N	Y				X	
LNZ, LN1, LN2	1	Broadband accelerometer, no redaction, no post-acquisition filtering						X	

Absolute Pressure Gauge (APG) and Differential Pressure Gauge (DPG) Channels

DPGs are on the SIO and WHOI instruments

APGs are on the LDEO instruments

Channel Name	Sample Rate (sps)	Description	Redacted (Y/N)	Filtered (Y/N)	LDEO	SIO ABALONE	SIO LP4x4	WHOI KECK	WHOI ARRA
BDH	50 (SIO) 40 (WHOI)	Pressure gauge data, some stations redacted by Navy, no post-acquisition filtering	Y	N		X		X	X
BXH	50 (SIO) 40 (WHOI)	Pressure gauge data, no redaction, low-pass filtered at 4 Hz for 2011-2012, 3 Hz for 2012-2013	N	Y		X		X	X
BKO	13.889	Temperature data	N	N	X				
HDH	125 (LDEO) 100 (SIO)	Pressure gauge data, redacted segments in data, no post-acquisition filtering	Y	N	X		X		
HXH	125 (LDEO) 100 (SIO)	Pressure gauge data, no redacted segments, low-pass filtered at 4 Hz for 2011-2012, 3 Hz for 2012-2013	N	Y	X		X		
LDH	1	Pressure gauge data, no redacted segments, no post-acquisition filtering	N	N				X	X