

**Table 1. Cascadia Initiative Year-3 Data Description for WHOI ARRA OBS.**

OBS Type	Sensor	SEED Channel Names	Sample-Rate (Hz)	Comments
ARRA	Nanometrics Trillium Compact Seismometer <sup>1</sup>	BHZ, BH1, BH2	50	Segments of data from <i>some</i> stations redacted by SAIC per MOA between NSF and U.S. Navy. No post-acquisition low-pass filtering.
ARRA	Nanometrics Trillium Compact Seismometer <sup>1</sup>	LHZ, LH1, LH2	1	No data redaction. No post-acquisition low-pass filtering.
ARRA	Nanometrics Trillium Compact Seismometer <sup>1</sup>	BXZ, BX1, BX2	50	No data redaction. Low-pass filtered at 3 Hz by SAIC per MOA between NSF and U.S. Navy.
ARRA	Cox-Deaton-Webb Differential Pressure Gauge (DPG) <sup>2</sup>	BDH	40	Segments of data from <i>some</i> stations redacted by SAIC per MOA between NSF and U.S. Navy. No post-acquisition low-pass filtering.
ARRA	Cox-Deaton-Webb Differential Pressure Gauge (DPG) <sup>2</sup>	LDH	1	No data redaction. No post-acquisition low-pass filtering.
ARRA	Cox-Deaton-Webb Differential Pressure Gauge (DPG) <sup>2</sup>	BXH	40	No data redaction. Low-pass filtered at 3 Hz by SAIC per MOA between NSF and U.S. Navy.

<sup>1</sup>Data from channel labeled “E” on the seismometer are tagged "BH2", “BX2”, and "LH2”.

<sup>1</sup>Data from channel labeled “N” on the seismometer are tagged "BH1", “BX1”, and "LH1”.

<sup>1</sup>Data from channel labeled “Z” (up) on the seismometer are tagged "BHZ”, “BXZ”, and "LHZ”.

<sup>2</sup>Cox, C., T. Deaton, and S. Webb (1984), A Deep-Sea Differential Pressure Gauge, *Journal of Atmospheric and Oceanic Technology*, 1, 237-246.

Channels BH1/BX1/LH1 are 90 degrees anti-clockwise from BH2/BX2/LH2.

**Table 2. Cascadia Initiative Year-3 Data Description for WHOI Keck OBS.**

OBS Type	Sensor	SEED Channel Names	Sample-Rate (Hz)	Comments
Keck	Guralp CMG-3T Seismometer <sup>1</sup>	BHZ, BH1, BH2	50	Segments of data from <i>some</i> stations redacted by SAIC per MOA between NSF and U.S. Navy. No post-acquisition low-pass filtering.
Keck	Guralp CMG-3T Seismometer <sup>1</sup>	LHZ, LH1, LH2	1	No data redaction. No post-acquisition low-pass filtering.
Keck	Guralp CMG-3T Seismometer <sup>1</sup>	BXZ, BX1, BX2	50	No data redaction. Low-pass filtered at 3 Hz by SAIC per MOA between NSF and U.S. Navy.
Keck	Kinematics Episensor Strong-Motion Accelerometer <sup>2</sup>	BNZ, BN1, BN2	50	Segments of data from <i>some</i> stations redacted by SAIC per MOA between NSF and U.S. Navy. No post-acquisition low-pass filtering.
Keck	Kinematics Episensor Strong-Motion Accelerometer <sup>2</sup>	LNZ, LN1, LN2	1	No data redaction. No post-acquisition low-pass filtering.
Keck	Kinematics Episensor Strong-Motion Accelerometer <sup>2</sup>	BYZ, BY1, BY2	50	No data redaction. Low-pass filtered at 3 Hz by SAIC per MOA between NSF and U.S. Navy.
Keck	Cox-Deaton-Webb Differential Pressure Gauge (DPG)	BDH	40	Segments of data from <i>some</i> stations redacted by SAIC per MOA between NSF and U.S. Navy. No post-acquisition low-pass filtering.
Keck	Cox-Deaton-Webb Differential Pressure Gauge (DPG)	LDH	1	No data redaction. No post-acquisition low-pass filtering.
Keck	Cox-Deaton-Webb Differential Pressure Gauge (DPG)	BXH	40	No data redaction. Low-pass filtered at 3 Hz by SAIC per MOA between NSF and U.S. Navy.

<sup>1</sup>Data from channel labeled "E" on the seismometer are tagged "BH2", "BX2", and "LH2".

<sup>1</sup>Data from channel labeled "N" on the seismometer are tagged "BH1", "BX1", and "LH1".

<sup>1</sup>Data from channel labeled "Z" (up) on the seismometer are tagged "BHZ", "BXZ", and "LHZ".

<sup>2</sup>Data from channel labeled "X" (east) on the accelerometer are tagged "BN2", "BY2", and "LY2".

<sup>2</sup>Data from channel labeled "Y" (north) on the accelerometer are tagged "BN1", "BY1", and "LY1".

<sup>2</sup>Data from channel labeled "Z" (up) on the accelerometer are tagged "BNZ", "BYZ", and "LYZ".

Channels BH1/BX1/LH1/BN1/BY1/LN1 are 90 degrees anti-clockwise from BH2/BX2/LH2/BN2/BY2/LN2.