CMG-3ESP/100sec

VELOCITY RESPONSE

Poles/Zeros (in HZ)	Zeros	Poles	A at 1Hz (normalization factor)
	0	-80.0	2304000
	0	-160.0	
		-180.0	
		-0.00707 + 0.00707j	
		-0.00707 - 0.00707 <i>j</i>	

Poles/Zeros (in RAD)*	Zeros	Poles	A at 1Hz (normalization factor)
	0	-502.6548	$2304000 \times 2\pi^{(5-2)} = 5.7151e + 08$
	0	-1005.3097	
		-1130.9734	
		-0.0444 + 0.0444 <i>j</i>	
		-0.0444 - 0.0444 <i>j</i>	

^{*(}poles & zeros are multiplied with 2π and A with 2π^(Npoles-Nzeros)

VELOCITY RESPONSE IN SAC FORMAT			
Sensor Gain V/m/s	2000 (approx same for all comp.)	2000 (approx same for all comp.)	
Digitizer Gain Counts/Volt	400000 (TAURUS / TRIDENT)	394016 (HRD-24)	
SAC constant (A×SensorGain×DigitizerGain)	4.57206e+17	4.50366e+17	

DISPLACEMENT RESPONSE

	Zeros	Poles	A at 1Hz (normalization factor)
Poles/Zeros - (in HZ)	0	-80.0	2304000
	0	-160.0	
	0	-180.0	
		-0.00707 + 0.00707j	
		-0.00707 - 0.00707 <i>j</i>	

Zeros	Poles	A at 1Hz (normalization factor)
0	-502.6548	$2304000 \times 2\pi^{(5-3)} = 9.0958e + 07$
0	-1005.3097	
0	-1130.9734	
	-0.0444 + 0.0444 <i>j</i>	
	-0.0444 - 0.0444 <i>j</i>	
	Zeros 0 0 0	0 -502.6548 0 -1005.3097 0 -1130.9734 -0.0444 + 0.0444 <i>j</i>

^{*(}poles & zeros are multiplied with 2п and A with 2п^(Npoles-Nzeros)

DISPLACEMENT RESPONSE IN SAC FORMAT			
Sensor Gain V/m/s	2000 (approx same for all comp.)	2000 (approx same for all comp.)	
Digitizer Gain Counts/Volt	400000 (TAURUS / TRIDENT)	394016 (HRD-24)	
SAC constant (Ao×SensorGain×DigitizerGain x 2π)	4.57206e+17	4.50366e+17	