

Meta Data Report

PI:	Twardowski
Person(s) filing report (if different than PI):	Freeman
Operation description (be verbose):	Vertical Profiles of optical properties, to be conducted near solar noon, if possible. Instruments include: Seabird CTD SBE 49-013 (conductivity, temperature, pressure); WET-Labs ac9-270 (absorption and attenuation at 9 wavelengths), ECO-BB3-017 (backscatter at 3 wavelengths, 117 degrees), ECO-VSF-073R (backscatter at 3 angles, 650 nm), AUV-b-009 (total scattering at 650 nm), MASCO-001 (scattering at 17 angles); and 3 Sequoia Scientific LISSTs (scattering at small forward angles, and particle size distribution). Two successive casts are done, one with the ac9 filtered using a 0.2 um capsule filter to obtain dissolved absorption.
Start Time (hh:mm:ss, UTC):	See log, below
Start Date (dd/mm/yy, UTC):	See log, below
Start latitude (signed, decimal):	See log, below
Start longitude (signed, decimal):	See log, below
Event-log event number (if applicable)	
Expected operation duration:	1.5-2 hrs
Expected initial data products:	Profiles of conductivity, temperature, salinity, total absorption and attenuation, corrected and binned to 1 meter.
Expected distributed data products, and time-frame for distribution:	Profiles of conductivity, temperature, salinity, total absorption and attenuation, volume scattering function, other scattering measurements, dissolved absorption, corrected and binned to 1 meter. Also surface measurements of the same parameters. Expected time-frame: within 6 months.
Other operation notes	
Post-operation comments/assessment	Successful collection of UW optics data

Operation Log

date	GMT	latitude	longitude	Logger file	GPS file	Profile Start	Profile End	Soak Start	Soak End	Diss. Lag	notes
3/11/2008		13:10:37	-50.76	38.47archive.000	SO031108 11	1.42E+05	6.35E+05				7600All dark, including ecos and Lisst. Ac9 dissolved. One Sartek battery crushed.
3/12/2008		13:03:40	-50.8	38.36archive.001	SO031208 11	5.11E+04	4.86E+05				12000All dark, including ecos and Lisst. Ac9 dissolved.
3/12/2008		13:27:24	-50.8	38.39archive.002	SO031208 11	1.03E+05	1.22E+06	1.47E+06	3.98E+06		Tape off, ac9 unfiltered.
3/15/2008		14:28:43	-53.75	36.62archive.004	SO031508 11	1.17E+05	7.24E+05				12000Mascot dark, ac9 filtered. N of S. Georgia Is. 185 meters water depth
3/15/2008		14:50:48	-53.75	36.62archive.005	SO031508 11	8.88E+04	6.76E+05	8.09E+05	2.94E+06		Tape off, ac9 unfiltered. N. of S. Georgia Is. Whitecaps, 25 mph winds
3/16/2008		14:10:03	-53.75	36.62archive.006	SO031608 11	1.78E+06	2.65E+06	1.22E+05	1.78E+06		Tape off, ac9 unfiltered. N. of S. Georgia Is. Whitecaps, 28-30 mph winds
3/16/2008		15:06:24	-53.75	36.62archive.007	SO031608 11	1.35E+05	1.05E+06				12000Mascot dark, ac9 filtered. N of S. Georgia Is. Tape didn't stick well, evidence of signal in data.
3/20/2008		13:11:17	-50.94	37.81archive.008	SO032008 11	8.22E+04	9.23E+05				15200Mascot dark, ac9 filtered.
3/20/2008		13:39:01	-50.94	37.8archive.009	SO032008 11	1.56E+05	1.00E+06	1.19E+06	3.01E+06		Tape off, ac9 unfiltered. Whitecaps, 25-30 mph winds. 3-4 m seas.
3/21/2008		15:12:12	-51.2	38.4archive.010	none	1.93E+06	2.78E+06	1.30E+05	1.93E+06		Tape off, ac9 unfiltered. No whitecaps.
3/21/2008		16:10:47	-51.2	38.4archive.011	none	5.31E+04	9.34E+05				14400Mascot dark, ac9 filtered.
3/22/2008		13:11:20	-51.19	38.39archive.012	SO032208 11	1.02E+05	1.05E+06				Mascot dark, ac9 filtered. No data for ac9, not sure why...batteries?
3/22/2008		13:40:14	-51.19	38.39archive.013	SO032208 11	1.30E+05	1.04E+06	1.30E+06	3.05E+06		Tape off, ac9 unfiltered. Few whitecaps. High winds overnight, but calmer.
3/23/2008		12:59:54	-51.2	38.13archive.014	none	1.15E+05	9.94E+05				16000Mascot dark, ac9 filtered.
3/23/2008		13:27:35	-51.2	38.13archive.015	none	9.17E+04	1.01E+06	1.24E+06	3.01E+06		Mascot dark, ac9 unfiltered. Doh.
3/24/2008		13:14:02	-51.23	38.02archive.016	SO032408 11	1.02E+05	9.21E+05	1.16E+06	2.84E+06		Tape off, ac9 unfiltered. 20' seas, whitecaps. 30 kt winds all night. No dark cast.
3/26/2008		15:18:22	-51.3	37.5archive.017	SO032608 11	1.86E+06	2.67E+06	8.05E+04	1.86E+06		Tape off, ac9 unfiltered. 1-2 m seas, no whitecaps. Fog and drizzle.
3/26/2008		16:15:00	-51.3	37.5archive.018	SO032608 11	9.10E+04	9.60E+05				16000Mascot dark, ac9 filtered.
3/27/2008		15:17:15	-51.32	37.35archive.019	SO032708 11	1.84E+06	2.66E+06	6.49E+04	1.84E+06		Tape off, ac9 unfiltered. 1-2 m seas, few whitecaps.
3/27/2008		16:12:52	-51.32	37.35archive.020	SO032708 11	6.80E+04	8.87E+05				16000Mascot dark, ac9 filtered.
3/30/2008		0:16:18	-51.28	37.29archive.021	SO033008 11	1.03E+05	9.50E+05	1.21E+06	1.73E+06		Tape off ac9 unfiltered. 3-4 m seas, whitecaps, foam. 20-25 mph winds
3/30/2008		0:53:25	-51.28	37.29archive.022	SO033008 11	4.90E+04	6.64E+05				16000Mascot dark ac9 filtered. 100m cast
3/30/2008		17:15:45	-51.3	37.36archive.023	SO033008 11	1.96E+06	2.73E+06	1.48E+05	1.96E+06		Tape off ac9 unfiltered. 2-3 m seas, whitecaps, 20 mph winds
3/30/2008		18:13:14	-51.3	37.36archive.024	SO033008 11	6.98E+04	8.43E+05				16000Mascot dark ac9 filtered.
4/1/2008		15:03:41	-51.34	37.43archive.025	SO040108 11	1.96E+06	2.74E+06	1.24E+05	1.96E+06		Tape off ac9 unfiltered. 1 m seas, no whitecaps.
4/1/2008		16:00:22	-51.34	37.43archive.026	SO040108 11	7.92E+04	8.57E+05				16000Mascot dark ac9 filtered.
4/3/2008		15:07:14	-51.41	37.52archive.027	SO040308 11	1.91E+06	2.68E+06	9.19E+04	1.91E+06		Tape off ac9 unfiltered. 1 m seas, no whitecaps. Bright sunshine, no clouds.
4/3/2008		16:02:36	-51.41	37.52archive.028	SO040308 11	8.89E+04	8.69E+05				15400Mascot dark ac9 filtered.
4/4/2008		15:06:38	-51.45	37.44archive.029	SO040408 11	1.90E+06	2.66E+06	8.61E+04	1.90E+06		Tape off, ac9 unfiltered. 1-2 m seas, few whitecaps.
4/4/2008		16:03:04	-51.45	37.44archive.030	SO040408 11	4.72E+04	8.37E+05				16400Mascot dark, ac9 filtered.