Contact	Instruments	Platform	Depth/ Height	Data Products	Data Issues	Data archival location	Deployment Comments
Drennan	1 Gill 3-D sonic anemometers	ASIS	6m	Wind Speed; Wind Speed Profiles; friction velocity; momentum flux		GasEx Web page	Deployments I-IV
Edson	1 Gill 3-D sonic anemometers	ASIS	4m	Wind Speed; Wind Speed Profiles; friction velocity; momentum flux		GasEx Web page	Deployments I-IV
Edson	1 Licor open path sensors	ASIS	6m	Absolute, profiles of, fluxes of, and transfer coefficients of pCO2 and water vapor	CO2 NYA	GasEx Web page	Deployments I-IV
Drennan	1 Licor open path sensors	ASIS	4m	Absolute, profiles of, fluxes of, and transfer coefficients of pCO2 and water vapor	CO2 NYA	GasEx Web page	Deployments I-IV
Edson	1 Vaisala RH/T	ASIS	4m	Absolute, profiles of, fluxes of, and transfer coefficients of water vapor and temperature		GasEx Web page	Deployments I-IV
Drennan	1 Rotronix RH/T	ASIS	5m	Absolute, profiles of, fluxes of, and transfer coefficients of water vapor and temperature		GasEx Web page	Deployments I-IV
Drennan	1 Aspirated thermocouple	ASIS	6m	Absolute, profiles of, fluxes of, and transfer coefficients of temperature profiles	No data		Deployment IV only
Drennan	Wave gauge array	ASIS	0m	Significant wave height, peak frequency, wave spectra	Directional spectra NYA	GasEx Web page	Deployments I, II, IV
Drennan	3 Brancker thermistors	ASIS	2.5, 3.7, 7.4	Water temperature		GasEx Web page	Deployments I-IV
Edson	YSI probe	ASIS	30 cm	Water temperature, salinity		GasEx Web page	Deployments I, III, IV
McGillis	3rd Licor closed path aqueous system	ASIS	30 cm	Atmospheric pCO2	NYA		Deployment IV
Terray et al	4 Sontek ADV	ASIS	0.6, 1.6, 2.6, 3.6m	High frequency (20-Hz), point-source 3-D water velocities; near-surface turbulence	NYA		Deployments I, III, IV
Terray et al	RDI ADCP	ASIS	7m	Current/shear profiles	NYA		Deployments I-IV
DeGrandpre	2 SAMI/YSI	ASIS	1m	Aqueous pCO2, DO, T, S, PAR, fluorescence	pCO2 (light contam. some data lost), O2 (questionable), Chl-a, T, S (complete coverage) Still QA'ing		Deployments I-IV T - B. Ward
DeGrandpre	1 SAMI	ASIS	5m	Aqueous pCO2, PAR, fluorescence	Still QA'ing		pCO2, PAR, fluor. (complete coverage) II IV
Hara	SLSG	LADAS	0m	Short-wave slope measurements 0.5-15cm wavelength			
Schimpf	IR Imaging system	LADAS	0m	Heat/Gasflux, SST, DT, t%			
Frew	SCIMS	LADAS	0m	Surface chemical enrichments			
Hara	Sonic anemometer	LADAS	2m	Wind speed			
Hara	AMU	LADAS	0m	Attitude			
Hara	Acoustic Doppler velocimeter	LADAS	~0.5m	Current measurements			
Hara	3 Wave Gauges	LADAS	0m	Wave height			
Zappa	2 Gill 2-D sonic anemometers	SPIP/SMS	0.5-4m	Wind speed; Wind speed profiles	1 worked; 1 failed		All for 1-4; wind speed only for 5-10
McGillis/Zappa	2 Licor closed path sensors	SPIP/SMS	0.5-4m	Absolute, profiles of, fluxes of, and transfer coefficients of pCO2 and water vapor	fine		Deployment 8; data n/a

Contact	Instruments	Platform	Depth/ Height	Data Products	Data Issues	Data archival location	Deployment Comments
Zappa	2 Vaisala RH/T microprocessors	SPIP/SMS	0.5-4m	Absolute profiles of water vapor and temperature	fine		Deployment 8; data n/a
Zappa	2 Aspirated thermocouples	SPIP/SMS	0.5-4m	Absolute profiles of temperature	fine		Deployment 8; data n/a
Zappa	YSI probe	SPIP/SMS	30 cm	Water temperature, salinity	fine		Deployment 8; data n/a
McGillis	3rd Licor closed path aqueous system	SPIP/SMS	30 cm	Aqueous pCO2	Some systems leaks		
McGillis et al	Sontek Pulse-Coherent ADP	SPIP/SMS	30 cm	Near-surface water velocities; shear profiles	experimental (bad data)		
Zappa/Terray	2 Sontek ADV	SPIP/SMS	30 cm	High frequency (25-Hz), point-source 3-D water velocities; near-surface turbulence	fine		1 not deployed; 8 data n/a
Zappa/Terray	RDI ADCP	SPIP/SMS	30 cm	Current/shear profiles	fine		8 data n/a
Ward	Pt-wire micro-thermometer	Skin DeEP		Temperature			no data
Ward	Thermometrics FP07 thermistor	Skin DeEP		Temperature			Completed 16 profiles
Ward	Micro-conductivity sensor	Skin DeEP		Salinity			Completed 16 profiles
Ward	Bulk conductivity sensor	Skin DeEP		Salinity			Completed 16 profiles
Ward	Pressure sensor	Skin DeEP		Pressure			Completed 16 profiles
Ward	Tilt-x and -y sensors	Skin DeEP					Not relevant
DeGrrandpre	1 SAMI/ YSI	Carioca	1m	pCO2, DO, T, S, depth, Turb, Chl-a, pH	pCO2 (3-6 days, biofouling), no O2 data, still need to look at other YSI data		T - B. Ward; no O2; Chl-a, Turb, S. pH, pCO2 still QA'ing
Wanninkhof	YSI	Carioca	1 m	JD, SST, Fluor, Pbaro, Air T, pCO2	Air T questionable, pCO2 bad		
DeGrandpre	1 SAMI/YSI	Drogue	5m	pCO2, DO, T, S, depth	pCO2 (~7-8 days, biofouling), O2, T, S, D (complete cov.)	Contact M. DeGrandpre	T - B. Ward; DO, S, pCO2 still QA'ing
DeGrandpre	1 SAMI/YSI	Drogue	30m	pCO2, DO, T, S, depth	pCO2 (complete cov.), O2, T, S, D (complete cov.)	Contact M. DeGrandpre	T - B. Ward; DO, S, pCO2 still QA'ing
Wanninkhof	Langdon Logger	Drogue	10m	DO, T	Data final	GasEx Web link	
Wanninkhof	Langdon Logger	Drogue	15m	DO, T	Data final	GasEx Web link	
Johnson & Firing	RDI ADCP	Shipboard	17-489m	U&V in 8-m x 5 minute bins	Data final	Contact G. Johnson	Data from Charleston SC to 5°N/140°W with gaps of 8 and 16 hours, and gaps in 200 mile zones
Wanninkhof	Bowhound (Liquicel IR sensor)	Seachest	6m	pCO2	Data final	GasEx Web link	Data during intensive, intermittent data en route to process site, no data from Equator northward
DeGrandpre	SAMI	Seachest	6m	pCO2, T	Still QA'ing		Data during intensive, intermittent data en route to process site, no data from Equator northward
Castle	UW pCO2/LiCor	Seachest	6m	pCO2	Data final	GasEx Web link	Data for entire cruise outside 200 mile zone
Wanninkhof	UW Fluorometer	Seachest	6m	Chlorophyll	Uncalibrated data	N/A	
Wanninkhof	UW SOMMA	Seachest	6m	DIC	Data quality poor	N/A	
Wanninkhof	UW YSI	Seachest	6m	DO	Data quality poor	N/A	
Mordy	UW Nitrate monitor	Seachest	6m	Nitrate	Data final	Contact C. Mordy	
Jessup	Internally recording Seabird	Seachest	6m	Temperature	Sensor lost	N/A	
Johnson	Thermosalinograph	Seachest	6m	Temperature, salinity	Data reduced but not final		
Johnson	Seabird	CTD	500m	Depth	Data final	GasEx Web page	
Johnson	Seabird	CTD	500m	Temperature	Data final	GasEx Web page	

Contact	Instruments	Platform	Depth/ Height	Data Products	Data Issues	Data archival location	Deployment Comments
Johnson	Seabird	CTD	500m	Salinity	Data final	GasEx Web page	
Johnson	Seabird	CTD	500m	DO	Data final	GasEx Web page	
Johnson	Discrete measurements	CTD	500m	Salinity	Data final	GasEx Web page	
Zhang	Discrete measurements	CTD	500m	DO	Data final	GasEx Web page	
Wanninkhof	Discrete measurements	CTD	500m	pCO2	Data final	GasEx Web page	
Roberts	Discrete measurements	CTD	500m	DIC	Data final	GasEx Web page	
Mordy	Discrete measurements	CTD	500m	Nutrients	Data final	GasEx Web page	
Feely et al	Discrete measurements	CTD	500m	DOC/DON	Not yet analyzed		
Stutton	Discrete measurements	CTD	500m	Chlorophyll/Phaeo	Data final	GasEx Web page	
Stutton	Discrete measurements	CTD	500m	14C	Data final	GasEx Web page	
Stutton	Discrete measurements	CTD	500m	15N	Data final	GasEx Web page	
Stutton	Discrete measurements	CTD	500m	POC	Not yet analyzed		
Frew	Discrete measurements	CTD	500m	Surfactants			
Stutton	FRRF	FRRF	500m	Photosynthetic parameters	Data final	GasEx Web link	
Stutton	SPMR	SPMR	500m	Optical profiles	Data final	GasEx Web link	
Stutton	SeaWIFS	SeaWIFS		Chlorophyll	Data final	GasEx Web link	
Sabine	Internally recording CTD	HRP		Temperature	Data final	GasEx Web page	
Sabine	Internally recording CTD	HRP		Salinity	Data final	GasEx Web page	
Sabine	Discrete measurements	HRP		DO	Data final	GasEx Web page	Bubbles?
Sabine	Discrete measurements	HRP		pCO2	Data final	GasEx Web page	Bubbles?
Roberts	Discrete measurements	HRP		DIC	Data final	GasEx Web page	
Mordy	Discrete measurements	HRP		Nutrients	Data final	GasEx Web page	
Stutton	Discrete measurements	HRP		Chlorophyll/Phaeo	Data final	GasEx Web page	
Edson	2 Ultrasonic anemometers	Bow Boom		True wind speed	Removal of flow distorted data		15 minute averages
Edson	2 Ultrasonic anemometers	Bow Boom		True wind direction	Removal of flow distorted data		15 minute averages
Edson	2 Ultrasonic anemometers	Bow Boom		Relative wind direction	Removal of flow distorted data		15 minute averages
Zappa	Vaisala, Licor 6262	Bow Boom		Relative humidity			15 minute averages
Zappa	Vaisala, Aspirated TC	Bow Boom		Air temperature			15 minute averages
Edson	Mag Compass & Ship's Gyro	Bow Boom		Ship heading			15 minute averages
Edson	2 Ultrasonic anemometers	Bow Boom		Friction velocity (eddy correlation, bulk aerodynamic, and inertial dissipation estimates)			15 minute averages
Zappa/Edson	Ultrasonic anemometer, Thermometer, Licor 7500, Aspriated TC, Vaisala Licor 6262	Bow Boom		Sensible and latent heat fluxes (eddy correlation, profiling method, and bulk estimates)	Mainly rain		15 minute averages
McGillis/Edson	Ultrasonic anemometer, Licor 6262, 7000 & 7500 infrared pCO2 analyzers	Bow Boom	8 m	pCO2 flux from eddy correlation method and profiling method			15 minute averages

Contact	Instruments	Platform	Depth/ Height	Data Products	Data Issues	Data archival location	Deployment Comments
Edson (POC), Hare, Zappa, McGillis, Fairall, Jessup	Solent ultrasonic anemometer/thermometers, Licor 7500 hygrometer, Systron Donner MotionPak, aspirated TC, aspirated and unaspirated Vaisala T/RH sensors, Riegl laser altimeter, Seasnake, Pyranometer, IR radiometer, SCS system, CIRIMS	Combined bow jackstaff, tower & bow boom	Meteorological variables adjusted to 10m and sea surface properties	Friction velocity (eddy correlation bulk aerodynamic), sensible and latent heat fluxes (eddy correlation and bulk estimates), significant wave height, wind speed, wind direction, air temperature, relative humidity, SST, bulk sea temperature, downwelling solar and IR irradiance, accumulated rain, surface albedo, net heat flux	Revision 1: 2/7/02 Revision 2: 5/1/02	GasEx Web page	30 minute averages
Hare/Fairall	Ultrasonic anemometer, Licor 7500, KNMI IFM infrared pCO2/H2O analyzers	Bow jackstaff/ tower	17 m	pCO2 flux from eddy correlation method and bulk methods			
Hare/Fairall	Ceiliometer	Ceiliometer	Cloud base	Cloud base height			
Hare/Fairall	Radiosonde	Radiosonde	ABL	Pressure, Temperature, humidity, and wind profiles			
Hare/Fairall	Wind profiler	R/V Brown	ABL	wind profiles			
Hare	Brown IMET	SCS	Various locations	Mean meteorological, navigation, and oceanic variables		GasEx Web page	
Asher/Jessup	Passive IR imager	Bow tower			Preliminary analysis	Not yet available	Mainly nighttime data
Asher/Jessup	SONRAD	Bow tower		Rain events	Instrument malfunction, no data	N/A	
Jessup	CIRIMS	Bow tower		SST		Contact Jessup for data	
Zemmelink et al	DMS	Bow boom		DMS profiles (aq)			
Minnett et al	M-AERI			SST, air			
Minnett et al	Interferometer			Temp, sky & SS IR emission spectra			
Minnett et al	Sky camera			Cloud type, height & fraction			
Minnett et al	Hard Hat SST		10 cm	SST, air			
Minnett et al	Portable radiation pkg			Aerosol optical depth and hemispheric long & short-wave downwelling atmostpheric radiation			