

Mooring summary

from: Carnes et al, Continental Shelf Research 28 (2008) 399-423

similar wording in: Teague et al, Continental Shelf Research 26 (2006) 2559-2582

Fourteen ADCP moorings were deployed in May 2004 for a year in the northeastern Gulf of Mexico on the outer continental shelf and upper slope just west of the DeSoto Canyon at water depths ranging between 60 and 1000m (Fig. 1). The average horizontal spacing between instruments was about 15 km. All of the moorings were recovered in November 2004 and 13 were redeployed at the same locations (M14 was not redeployed due to equipment failure). Final recovery of the moorings was accomplished in May 2005. The May-November 2004 data (D1) were reported on by Teague et al. (2006). Table 1 provides positions, times, instrument depths, bottom depths, velocity bin levels, and instrument types for the deployment from November 2004 to May 2005 (D2). Days refer to decimal day of the year where day 0 corresponds to January 1, 2004.

Columns correspond to mooring number, latitude, longitude, start day and end day, sampling interval in hours (dt), depths (in m) of top velocity bin (z1) and bottom velocity bin (zn), and bin interval(dz); bottom depth in m, and instrument type (TRBM-trawl-resistant bottom mounted 300 kHz ADCP, Long Ranger-75 kHz ADCP, AA RCM9-Aanderraa RCM9 acoustic current meter).

SVG Notes 3/8/2012

This mooring data from the first SEED deployment.

The time period is roughly May-October 2004.

The AA RCM9-Aanderraa RCM9 acoustic current meters were removed from this list as they are in deep water and we will likely use only moorings 1-6 located on the 60 and 90 meter isobaths.

Table1, Teague et al, Continental Shelf Research 26 (2006) 2559-2582

M	LAT	LON	Start Day	End day	dt	z1	zn	dz	Bottom	TYPE
1	29.39	-88.19	122	305	.25	6	52	2	60	TRBM
2	29.43	-88.01	122	305	.25	4	54	2	60	TRBM
3	29.47	-87.84	122	304	.25	6	54	2	60	TRBM
4	29.28	-88.25	123	304	.25	10	82	2	88	TRBM
5	29.34	-88.08	123	304	.25	11	83	2	89	TRBM
6	29.35	-87.89	123	304	.25	9	81	2	87	TRBM
7	29.09	-88.28	124	311	1.0	52	492	10	515	Long ranger
8	29.14	-88.11	124	312	1.0	52	492	10	518	Long ranger
9	29.19	-87.94	124	312	1.0	50	500	10	518	Long ranger
10	29.24	-87.76	124	312	1.0	51	511	10	518	Long ranger
11	29.04	-88.19	125	312	1.0	53	493	10	1016	Long ranger
12	29.09	-88.00	125	312	1.0	53	513	10	1038	Long ranger
13	29.16	-87.83	126	312	1.0	50	500	10	1025	Long ranger
14	29.20	-87.65	126	312	1.0	52	502	10	1029	Long ranger