Table 7-3a. Characteristics of the M_2 internal tides with depth along the main cross-shore line of the array. Current characteristics were calculated between June and October, 2001. Inclination is in degrees from cross-shore. Phase is defined so that the major axis of the tidal ellipse has a positive cross-shelf component.

HBN2 (10m)

Depth (m)	Major Amplitude (cm/s)	Minor Amplitude (cm/s)	Inclination (degrees)	Phase (degrees)
0.0	1.4	0.5	-8	20
1.0	1.2	0.4	-1	52
2.0	1.0	0.4	-7	59
3.0	0.7	0.2	-15	66
4.0	0.5	0.1	-17	70
5.0	0.1	0.1	-3	111
6.0	0.5	0.1	-26	234
7.5	1.2	0.5	-12	232
8.0	1.5	0.7	-8	233
9.0	2.0	0.6	8	232

HB03 (15m)

Depth (m)	Major Amplitude (cm/s)	Minor Amplitude (cm/s)	Inclination (degrees)	Phase (degrees)
3.5	2.4	1.3	-11	9
4.5	1.9	1.1	-21	23
5.5	1.6	1.0	-27	31
6.5	1.3	0.7	-25	31
7.5	0.9	0.4	-21	31
8.5	0.4	0.0	-3	38
9.5	0.4	0.2	81	82
10.5	0.8	0.6	-51	228
11.5	1.3	0.8	-32	216
12.5	1.7	0.9	-20	209
13.5	2.1	0.5	-9	205

HB05 (25m)

Depth (m)	Major Amplitude (cm/s)	Minor Amplitude (cm/s)	Inclination (degrees)	Phase (degrees)
6	2.5	1.2	41	269
8	1.9	1.0	39	269
10	1.4	0.8	33	264
12	0.6	0.4	-19	281
14	0.7	0.2	78	92
16	1.2	0.4	52	78
18	1.6	0.8	41	82
20	1.6	1.0	17	97
22	1.5	0.6	-24	118

Table 7-3a, cont. M_2 internal tides.

HB06 (35m)

Depth (m)	Major Amplitude (cm/s)	Minor Amplitude (cm/s)	Inclination (degrees)	Phase (degrees)
3	2.2	0.7	21	232
5	2.0	0.5	20	224
7	1.8	0.3	16	224
9	1.6	0.3	8	225
13	0.8	0.1	-9	233
15	0.4	0.3	-54	239
17	0.9	0.1	43	15
19	1.1	0.0	36	32
21	1.3	0.2	28	50
23	1.5	0.2	15	62
25	2.0	0.4	-3	64
27	2.5	0.6	-15	59

HB07 (60m)

Depth (m)	Major Amplitude (cm/s)	Minor Amplitude (cm/s)	Inclination (degrees)	Phase (degrees)
7	2.5	1.3	-18	187
9	2.5	1.2	-22	184
13	2.2	0.7	-26	184
17	1.6	0.4	-42	197
21	1.3	0.1	-56	227
25	1.1	0.3	-58	244
29	1.0	0.0	-74	272
33	0.6	0.0	-61	320
37	1.0	0.3	-57	16
41	1.5	0.5	-46	36
45	2.2	1.0	-44	44
49	2.4	1.4	-45	38