

Deployment Id: NWFB0207

Latitude: 61°24.942'N

Longitude: 008°16.870'W

Echo sounding depth: 821m

Bottom depth corr.: 812m

Time of deployment: 07/07 -2002 0737UTC

Time of recovery: 16/06 - 2003 0303UTC

ADCP:

Instrument no.: RDI ADCP 1642

Instrument frequency: 75kHz

Height above bottom: 6m

Depth: 806m (corr.)

Time of first data: 07/07 - 2002 0820UTC

Time of last data: 16/06 - 2003 0240UTC

Sample interval: 20 min

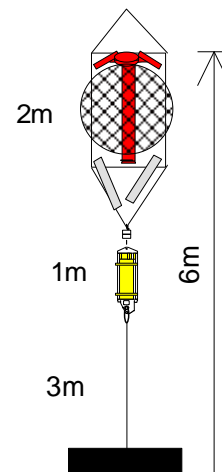
No. of ensembles: 24752

Pings per ens.: 1

Binlength: 25m

Depth of first bin: 770m (corr.)

No. of bins: 28



Micro Cat:

Instrument no.: 0982

Height above bottom: 5m

Time of first data: 07/07 - 2002 0800UTC

Time of last data: 16/06 - 2003 0300UTC

Sample interval: 20 min

No. of ensembles: 24754

Instrument depth: 807m

Data: All data ok.

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Error statistics for deployment: NWFB0207 updated 2003/11/25

Surface distance invalid due to range limitation
 Heading, pitch and roll not edited
 Temperature edited by MCN in Nov 2003
 Velocity edited up to and including bin 25 by MCN in Aug 2003
 Intensity edited up to and including bin 28 by MCN in Nov 2003
 Velocity reedited from bin 21 to bin 25 by KMHL in Nov 2003

Total number of ensembles: 24752
 Interval between ensembles: 20 min
 Original number of bins: 28
 Number of acceptable velocity bins: 25
 Number of acceptable intensity bins: 25

Flagged values have been replaced by error codes: -999.99 for temperature, -999 for velocity and intensity. For observations where velocity is flagged, error codes have been inserted into speed, direction and vertical velocity files

Number of temperature ens. flagged: 0

Below are for each bin listed ensembles flagged for intensity in number and for velocity in number and % of total ens.number. For velocity is also shown the number of gaps of various lengths (gap length = number of consecutive flagged ens.)

Bin	Int. ens. flgd	Velocity ens. flgd	%	Number of velocity gaps of length									
				1	2	3	4	5	6-10	11-20	21-30	31-50	>50
1	0	3383	14	1963	373	115	42	20	9	0	0	0	0
2	0	2810	11	1682	324	95	27	8	5	1	0	0	0
3	2	2316	9	1493	259	65	17	7	1	0	0	0	0
4	0	2060	8	1362	210	65	13	5	1	0	0	0	0
5	2	2311	9	1425	249	77	19	9	6	0	0	0	0
6	4	1928	8	1222	198	65	11	6	6	0	0	0	0
7	0	2090	8	1297	212	61	22	10	6	0	0	0	0
8	0	2805	11	1421	315	105	38	27	18	2	0	0	0
9	0	2989	12	1491	311	108	44	20	32	4	0	0	0
10	0	3061	12	1349	327	117	66	28	37	3	0	0	0
11	0	3056	12	1336	287	128	57	27	44	7	0	0	0
12	0	2440	10	1162	215	96	48	21	33	1	0	0	0
13	0	1975	8	1040	198	68	38	13	16	1	0	0	0
14	0	1529	6	876	113	47	18	16	15	2	0	0	0
15	0	2047	8	945	195	61	31	10	26	9	1	0	0
16	0	2739	11	1105	199	67	34	24	40	16	5	2	1
17	0	4007	16	1152	232	96	73	40	72	36	6	7	2
18	0	7040	28	1168	313	138	77	46	119	73	38	23	5
19	0	9518	38	1283	340	182	118	60	142	84	36	33	18
20	1	11405	46	1368	433	224	135	95	200	163	42	26	15
21	1	12902	52	1323	440	252	134	88	264	191	73	34	13
22	0	13729	55	1292	474	252	154	116	275	193	66	44	17
23	0	15009	61	1158	361	197	119	66	248	202	83	62	32
24	0	16153	65	971	310	131	78	52	169	172	92	75	62
25	0	17764	72	879	294	143	80	45	117	115	80	71	77

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Deployment: NWFB0207 updated 2003/11/25
Instrument no.: 1642
Instrument freq.: 75
Latitude: 61 24.942 N
Longitude: 08 16.870 W
Bottom depth: 812
Instrument depth: 806
Center depth of first bin: 770
Bin length: 25
Number of bins: 25
Number of first ensemble: 278
Time of first ensemble: 2002 07 07 08 20
Number of last ensemble: 25029
Time of last ensemble: 2003 06 16 02 40
Time between ensembles (min.): 20
All directions have been corrected by adding: -12.0

Below is listed for each bin the average speed (scalar average) and the average velocity magnitude and direction formed as a vectorial average of non-flagged (Good) observations. The last column shows the number of good values used in parts per thousand

Bin no.	Depth m	Height m	Speed mm/s	Vel mm/s	Dir deg	Good ppt
1	770	42	1007	1003	301	863
2	745	67	1069	1064	304	886
3	720	92	1091	1087	306	906
4	695	117	1095	1091	307	917
5	670	142	1091	1087	308	907
6	645	167	1074	1070	308	922
7	620	192	1031	1025	310	916
8	595	217	943	933	311	887
9	570	242	795	779	314	879
10	545	267	612	583	317	876
11	520	292	440	389	320	877
12	495	317	322	244	323	901
13	470	342	261	159	326	920
14	445	367	230	111	329	938
15	420	392	213	83	332	917
16	395	417	205	71	333	889
17	370	442	206	74	330	838
18	345	467	206	83	328	716
19	320	492	217	108	323	615
20	295	517	241	150	315	539
21	270	542	254	187	309	479
22	245	567	252	205	304	445
23	220	592	229	199	301	394
24	195	617	197	176	298	347
25	170	642	160	147	296	282

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Harmonic constants for constituent M2 for deployment NWFB0207.

Bin	Depth m	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
01	770	34	72	20	344	34	20	2	70	A
02	745	37	71	19	346	37	19	3	70	A
03	720	37	76	16	347	37	16	1	75	A
04	695	36	80	14	342	36	13	177	261	A
05	670	35	82	14	330	35	13	170	265	A
06	645	31	89	14	300	33	7	158	274	A
07	620	28	115	17	266	32	7	150	287	C
08	595	35	143	21	254	36	19	164	315	C
09	570	40	160	23	248	40	23	2	161	C
10	545	41	159	28	184	49	10	33	167	C
11	520	48	224	49	183	64	24	45	203	A
12	495	65	243	76	170	81	58	59	194	A
13	470	76	250	94	168	96	73	73	181	A
14	445	77	255	101	169	102	77	83	174	A
15	420	74	260	102	172	102	73	87	174	A
16	395	68	266	101	176	101	68	89	177	A
17	370	66	274	104	181	104	66	94	178	A
18	345	69	281	105	182	106	67	100	176	A
19	320	67	286	97	185	99	65	103	176	A
20	295	58	289	80	186	82	55	107	174	A
21	270	41	285	51	183	53	39	112	166	A
22	245	27	293	40	185	41	25	109	173	A
23	220	19	279	19	178	21	17	136	137	A
24	195	14	269	9	139	16	6	152	101	A
25	170	5	244	4	230	6	1	38	239	A

Harmonic constants for constituent S2 for deployment NWFB0207.

Bin	Depth m	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
01	770	13	102	10	17	13	10	11	94	A
02	745	14	102	8	23	14	8	10	97	A
03	720	14	106	7	24	14	7	5	104	A
04	695	12	117	6	14	13	6	172	301	A
05	670	12	125	6	355	12	4	161	311	A
06	645	9	125	7	328	11	2	143	313	A
07	620	7	135	7	309	10	0	131	311	C
08	595	10	181	8	309	12	6	144	342	C
09	570	14	218	9	284	15	8	20	229	C
10	545	19	218	12	209	23	2	32	215	A
11	520	20	267	22	215	27	13	51	236	A
12	495	27	274	29	202	32	23	53	230	A
13	470	29	281	35	203	37	28	68	219	A
14	445	28	285	34	207	35	26	66	226	A
15	420	26	289	32	210	33	25	71	224	A
16	395	24	295	31	220	32	22	69	234	A
17	370	24	294	31	225	33	21	64	242	A
18	345	22	302	32	230	33	20	70	242	A
19	320	23	304	30	225	30	22	73	237	A
20	295	20	294	24	224	26	17	57	247	A
21	270	16	309	24	225	24	16	82	231	A
22	245	13	325	14	206	17	10	131	179	A
23	220	4	12	4	221	6	1	133	208	A
24	195	3	75	4	277	5	1	127	269	A
25	170	2	9	6	303	6	1	84	304	A

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Harmonic constants for constituent N2 for deployment NWFB0207.

Bin	Depth m	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
01	770	8	54	6	315	8	6	167	243	A
02	745	9	62	5	307	10	4	164	249	A
03	720	10	65	5	297	10	4	159	253	A
04	695	10	72	3	291	10	2	164	255	A
05	670	9	69	4	277	10	2	161	253	A
06	645	8	68	4	263	9	1	155	251	A
07	620	9	89	3	234	10	2	163	265	C
08	595	12	110	5	263	13	2	158	286	C
09	570	13	128	6	305	14	0	155	307	C
10	545	17	115	3	297	17	0	169	295	A
11	520	18	159	5	95	18	5	8	157	A
12	495	17	190	14	117	18	12	29	168	A
13	470	13	211	16	135	17	12	68	151	A
14	445	11	221	15	145	16	11	70	159	A
15	420	11	234	16	153	16	11	80	160	A
16	395	12	244	19	157	19	12	88	158	A
17	370	12	257	22	156	22	11	98	151	A
18	345	12	276	24	164	24	11	104	158	A
19	320	15	254	21	159	21	14	97	154	A
20	295	12	259	19	166	19	12	93	164	A
21	270	3	248	15	166	15	3	88	166	A
22	245	3	133	9	163	10	1	77	161	C
23	220	4	145	4	140	5	0	43	142	A
24	195	6	236	8	82	10	2	123	74	A
25	170	13	247	13	67	19	0	135	67	A

Harmonic constants for constituent O1 for deployment NWFB0207.

Bin	Depth m	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
01	770	20	309	5	120	21	1	165	128	C
02	745	23	309	5	118	24	1	167	129	C
03	720	23	310	8	129	24	0	162	130	C
04	695	22	314	8	126	24	1	160	134	C
05	670	23	315	8	133	24	0	160	135	C
06	645	24	319	9	141	26	0	159	139	A
07	620	27	323	12	147	30	1	157	144	A
08	595	30	334	15	161	34	2	154	156	A
09	570	33	341	18	166	38	1	151	162	A
10	545	29	336	21	158	35	1	145	157	A
11	520	24	6	20	179	32	2	140	183	C
12	495	20	14	17	190	26	1	139	192	C
13	470	16	10	14	195	21	1	139	192	A
14	445	16	6	14	196	21	2	139	190	A
15	420	16	8	15	198	22	2	138	192	A
16	395	15	7	13	206	20	3	141	195	A
17	370	16	2	15	209	22	5	136	195	A
18	345	18	357	16	200	24	5	139	187	A
19	320	17	346	14	200	21	6	141	180	A
20	295	18	346	14	211	21	8	146	181	A
21	270	16	352	16	218	21	9	134	195	A
22	245	17	354	14	214	21	7	143	189	A
23	220	13	10	9	216	15	3	148	198	A
24	195	7	25	4	250	8	3	156	213	A
25	170	5	53	5	263	7	2	130	250	A

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Harmonic constants for constituent K1 for deployment NWFB0207.

Bin	Depth m	E-ampl mm/sec	E-gpl deg	N-ampl mm/sec	N-gpl deg	Major mm/sec	Minor mm/sec	Incl deg	Grphl deg	R
01	770	20	213	5	38	21	0	166	34	A
02	745	21	211	6	32	22	0	165	31	A
03	720	23	211	7	32	24	0	162	31	A
04	695	23	211	8	34	24	0	161	31	A
05	670	22	212	9	35	24	0	157	33	A
06	645	23	220	10	27	25	2	157	38	C
07	620	27	226	10	37	28	1	160	45	C
08	595	30	233	14	51	33	0	155	52	C
09	570	35	237	23	56	42	0	147	57	C
10	545	32	225	25	46	41	0	141	45	A
11	520	26	243	24	59	35	1	138	62	C
12	495	23	250	24	66	34	1	134	68	C
13	470	17	262	21	66	26	4	129	72	C
14	445	15	275	17	75	22	4	130	83	C
15	420	12	291	13	82	17	4	135	96	C
16	395	11	295	8	87	13	3	143	105	C
17	370	7	300	7	78	9	3	137	101	C
18	345	9	307	6	93	10	3	145	116	C
19	320	5	331	4	71	5	4	157	133	C
20	295	5	337	7	84	7	5	109	95	C
21	270	4	254	11	61	12	1	109	62	C
22	245	14	173	3	330	15	1	168	352	C
23	220	10	144	2	111	10	1	8	144	A
24	195	12	169	3	53	13	2	174	350	A
25	170	12	167	10	90	13	9	21	151	A