

ANEXO A. Matriz de observaciones in situ

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
4	26	2013	13	1	1	2.08	2.09	2.54	3.31	2.66	12.32	5.47	28.27	38.62	23.69	0.83	13.99
4	26	2013	14	1	1	2.14	2.27	2.69	3.03	2.78	12.42	5.74	23.91	28.78	14.63	0.82	14.1
4	26	2013	15	1	1	2.4	2.49	3.15	3.79	2.5	11.82	5.43	24.02	35.55	12.25	0.75	14.25
4	26	2013	16	1	1	2.33	2.3	2.73	3.44	2.3	12.29	4.83	26.6	37.02	18.46	0.81	14.4
4	26	2013	17	1	1	1.56	1.54	1.86	2.36	3.56	11.87	6.31	23.44	37.54	19.58	0.96	14.51
4	26	2013	18	1	1	1.53	1.43	1.96	2.35	4.64	12.17	6.22	26.07	33.53	20.89	0.95	14.51
4	26	2013	19	1	1	1.51	1.46	1.9	2.25	4.08	11.71	6.3	25.09	31.66	20.51	0.96	14.45
4	26	2013	20	1	1	1.45	1.4	1.88	2.32	4.9	11.6	6.09	23.91	31.86	19.9	0.95	14.32
4	26	2013	21	1	1	1.61	1.51	1.94	2.28	5.26	11.82	6.97	26.17	30.62	19.65	0.96	14.14
4	26	2013	22	1	1	1.59	1.47	1.81	2.26	5.38	11.63	6.98	22.12	27.88	20.68	0.96	13.95
4	26	2013	23	1	1	1.49	1.38	1.77	2.15	5.53	11.35	6.42	22.29	29.83	18.5	0.96	13.83
4	27	2013	0	1	1	1.43	1.35	1.65	2.14	4.85	11.31	6.37	28.58	28.32	21.24	0.95	13.82
4	27	2013	1	1	1	1.3	1.21	1.56	1.96	5.95	11.73	6.72	28.23	36.56	22.33	0.95	13.85
4	27	2013	2	1	1	1.34	1.31	1.68	2.15	5.54	11.26	6.91	23.28	32.76	22.67	0.97	14
4	27	2013	3	1	1	1.33	1.28	1.62	2.21	4.16	11.48	6.36	22.23	38.4	23.45	0.96	14.19
4	27	2013	4	1	1	1.32	1.22	1.55	2.03	5.22	11.12	6.57	22.25	35.63	20.45	0.96	14.39
4	27	2013	5	1	1	1.43	1.38	1.75	2.05	5.59	11.66	7.07	23.82	33.18	21.65	0.98	14.62
4	27	2013	6	1	1	1.47	1.36	1.67	2.22	4.73	11.5	6.41	28.93	36.09	23.24	0.97	14.75
4	27	2013	7	1	1	1.46	1.44	1.86	2.44	7.63	11.46	7.63	25.33	34.95	23.63	0.98	14.77
4	27	2013	8	1	1	1.51	1.5	1.92	2.37	3.94	11.29	6.17	24.09	31.11	20.88	0.95	14.71
4	27	2013	9	1	1	1.58	1.58	1.98	2.43	3.77	11.2	6.09	21.47	35.38	19.14	0.97	14.57
4	27	2013	10	1	1	1.44	1.43	1.84	2.38	4.12	11.72	6.18	25.75	34.33	21.11	0.97	14.39
4	27	2013	11	1	1	1.66	1.67	2.09	2.58	3.72	11.31	6.21	21.5	31.48	21.15	0.96	14.23
4	27	2013	12	1	1	1.62	1.58	1.97	2.31	3.55	11.58	5.79	21.73	30.52	14.39	0.95	14.1
4	27	2013	13	1	1	1.76	1.76	1.82	2.45	3.47	12.17	6.28	22.06	26.58	15.87	0.91	14.06
4	27	2013	14	1	1	1.6	1.51	2.01	2.63	5.05	11.67	6.97	27.28	28.81	21.06	0.96	14.07
4	27	2013	15	1	1	1.6	1.51	1.87	2.71	4.84	11.57	6.74	22.57	30.03	19.28	0.95	14.16
4	27	2013	16	1	1	1.45	1.34	1.74	2.05	4.44	11.58	6.45	19.65	33.45	18.64	0.97	14.3
4	27	2013	17	1	1	1.37	1.31	1.66	2.19	5.06	11.61	6.75	20.78	37.08	18	0.95	14.44
4	27	2013	18	1	1	1.3	1.2	1.53	2.15	4.78	11.18	6.32	20.41	36.81	18.09	0.97	14.51
4	27	2013	19	1	1	1.58	1.54	1.95	2.75	3.32	11.27	5.6	23.32	34.79	17.16	0.93	14.5
4	27	2013	20	1	1	1.32	1.32	1.68	2.21	6.82	11.64	6.82	16.83	40.11	13.3	0.97	14.42
4	27	2013	21	1	1	1.3	1.23	1.5	2.06	4.53	11.09	6.32	20.66	42.31	17.44	0.96	14.28
4	27	2013	22	1	1	1.43	1.41	1.82	2.6	3.81	11.48	6.43	19.95	39.2	19.95	0.93	14.13
4	27	2013	23	1	1	1.43	1.36	1.74	2.29	4.23	17.47	6.94	31.81	38.31	21.23	0.97	13.98
4	28	2013	0	1	1	1.28	1.22	1.57	2.35	5.02	11.12	6.64	34.98	34.98	18.97	0.95	13.86
4	28	2013	1	1	1	1.35	1.27	1.65	2.19	4.69	10.97	6.88	22.54	41.75	19.81	0.93	13.85
4	28	2013	2	1	1	1.43	1.35	1.79	2.14	4.4	17.61	6.69	33.43	38.62	18.19	0.96	13.95
4	28	2013	3	1	1	1.45	1.46	1.89	2.2	4.2	17.55	7.03	32.22	35.96	19.58	0.93	14.07
4	28	2013	4	1	1	1.44	1.44	1.83	2.4	7.64	11.6	7.64	19.95	32.94	18.27	0.94	14.28
4	28	2013	5	1	1	1.37	1.4	1.77	2.6	3.69	10.88	6.61	20.63	38.34	18.38	0.9	14.5
4	28	2013	6	1	1	1.33	1.2	1.53	2.3	4.98	17.12	7.08	31.57	36.78	20.97	0.97	14.7

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
4	28	2013	7	1	1	1.42	1.36	1.68	2.13	4.82	17.91	7.44	30.63	32.49	20.55	0.95	14.8
4	28	2013	8	1	1	1.73	1.75	2.31	3.08	3.15	18.35	6.33	30.87	35.75	20.99	0.8	14.83
4	28	2013	9	1	1	1.41	1.4	1.8	2.2	4.38	17.39	6.94	27.22	39.5	21.15	0.94	14.75
4	28	2013	10	1	1	1.46	1.27	1.64	2.12	5.83	17.74	7.22	30.1	36.02	22.99	0.98	14.6
4	28	2013	11	1	1	1.27	1.11	1.4	1.74	6.31	14.75	7.38	28.66	38.38	20.39	0.96	14.43
4	28	2013	12	1	1	1.47	1.33	1.77	2.06	7.32	17.57	8.07	37.75	37.78	25.5	0.95	14.25
4	28	2013	13	1	1	1.49	1.32	1.67	2.07	7.14	17.45	7.55	31.57	33.47	23.84	0.97	14.14
4	28	2013	14	1	1	1.49	1.35	1.72	2.11	6.9	17.17	7.47	32.56	32.85	21.97	0.97	14.11
4	28	2013	15	1	1	1.5	1.36	1.74	1.89	5.14	17.6	6.85	30.07	36.38	20.17	0.96	14.17
4	28	2013	16	1	1	1.51	1.36	1.79	2.56	4.61	17.6	7.1	38.25	35.05	26.02	0.97	14.25
4	28	2013	17	1	1	1.89	1.9	2.34	2.89	2.61	17.82	5.16	37.95	34.31	25.49	0.84	14.35
4	28	2013	18	1	1	1.69	1.48	2.06	2.57	4.85	17.16	6.46	33.74	38.66	27.72	0.95	14.48
4	28	2013	19	1	1	2.14	2.13	2.66	3.09	2.92	17.89	5.73	37.16	34.83	24.75	0.87	14.54
4	28	2013	20	1	1	2.07	2.06	2.51	2.96	2.93	17.16	5.85	36.6	37.5	22.31	0.88	14.51
4	28	2013	21	1	1	2.05	2.01	2.52	3.27	3.04	17.32	5.35	32.02	38.32	17.55	0.89	14.44
4	28	2013	22	1	1	1.97	1.94	2.42	3.07	3.34	17.82	6.17	37.49	44.92	21.8	0.89	14.32
4	28	2013	23	1	1	1.93	1.75	2.12	2.63	3.63	16.94	6.09	33.85	39.4	22.83	0.89	14.17
4	29	2013	0	1	1	1.97	1.87	2.45	3.49	3.42	16.9	6.08	35.49	39.73	23.43	0.88	14.02
4	29	2013	1	1	1	2.09	1.91	2.42	2.79	4.36	16.87	6.84	31.4	29.35	23.25	0.93	13.94
4	29	2013	2	1	1	1.78	1.78	2.21	2.56	4.64	16.99	7.84	43.84	43.78	31.43	0.9	13.96
4	29	2013	3	1	1	1.53	1.39	1.68	1.97	4.57	15.92	6.5	36.42	45.18	26.28	0.94	14.05
4	29	2013	4	1	1	1.87	1.8	2.2	2.73	4.28	16.15	7.49	36.82	40.1	26.02	0.92	14.2
4	29	2013	5	1	1	1.92	1.85	2.38	3.25	3.05	16.11	6.74	31.56	42.13	22.26	0.88	14.42
4	29	2013	6	1	1	1.99	1.99	2.52	3.5	5.12	15.98	9	34.67	27.15	25.74	0.94	14.62
4	29	2013	7	1	1	1.76	1.77	2.25	2.66	3.99	15.59	6.68	37.07	30.74	23.85	0.93	14.79
4	29	2013	8	1	1	2.58	2.54	3.18	4.02	2.97	15.63	6.19	35.46	34.4	20.09	0.84	14.88
4	29	2013	9	1	1	2.18	2.27	2.85	4.28	3.43	16.78	6.68	31.86	37.56	25.89	0.91	14.85
4	29	2013	10	1	1	2	1.99	2.59	3.17	3.57	16.02	6.58	30.14	30.1	24.33	0.92	14.82
4	29	2013	11	1	1	1.9	1.88	2.4	2.92	3.98	16.8	6.88	34.17	32.26	24.96	0.93	14.68
4	29	2013	12	1	1	1.86	1.7	2.15	2.63	4.3	15.87	6.72	32.21	33.6	23.79	0.94	14.52
4	29	2013	13	1	1	1.75	1.8	2.23	2.77	4.91	15.67	8.19	34.79	28.9	27.21	0.96	14.36
4	29	2013	14	1	1	1.88	1.87	2.36	2.9	4.98	15.78	7.83	31.63	32.79	23.83	0.95	14.23
4	29	2013	15	1	1	2.17	2.26	2.8	3.6	2.98	16.41	6.5	31.14	38.13	27.77	0.88	14.16
4	29	2013	16	1	1	2.38	2.55	3.07	3.9	3.36	16.49	7.85	30.46	34.97	27.16	0.92	14.19
4	29	2013	17	1	1	2.17	2.25	2.75	3.37	4.47	16.39	8.74	26.83	34.84	21.61	0.95	14.25
4	29	2013	18	1	1	1.87	1.74	2.24	2.85	6.63	16.22	8.14	30.28	30.69	23.19	0.95	14.37
4	29	2013	19	1	1	1.82	1.79	2.43	3.15	4.61	16.34	7.35	33.29	41.37	22.86	0.93	14.45
4	29	2013	20	1	1	2.5	2.51	3.29	4.08	6.62	16.42	9.98	31.39	20.69	26.73	0.96	14.48
4	29	2013	21	1	1	2.11	1.98	2.47	2.72	4.95	16.48	7.73	32.83	36.62	24.44	0.94	14.46
4	29	2013	22	1	1	2.18	2.16	2.81	3.28	4.91	15.87	8.92	31.04	32.26	26.06	0.94	14.4
4	29	2013	23	1	1	2.25	2.25	2.76	3.21	5.12	16.54	8.9	33.09	37.08	28.3	0.94	14.31
4	30	2013	0	1	1	2.21	2.09	2.79	3.59	5.47	15.99	8.76	36.33	28.03	29.07	0.93	14.15
4	30	2013	1	1	1	1.96	1.87	2.38	2.63	4.62	16.34	8.09	30.9	34.59	21.25	0.92	14.05
4	30	2013	2	1	1	2.27	2.28	2.91	3.23	7.13	15.84	10.05	32.59	22.28	30.23	0.95	13.98
4	30	2013	3	1	1	2.22	2.17	3.02	3.51	5.75	15.78	8.7	30.92	29.75	25.17	0.95	14.02

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectionality index	Mean Pressure
4	30	2013	4	1	1	2.89	2.83	3.77	4.61	5.97	16.09	9.44	29.82	25.97	25.4	0.96	14.11
4	30	2013	5	1	1	2.64	2.53	3.01	3.34	5.12	15.41	9.24	31.74	29.99	27.77	0.94	14.3
4	30	2013	6	1	1	2.45	2.3	2.92	3.97	5.56	15.37	8.07	27.28	29.64	22.07	0.97	14.49
4	30	2013	7	1	1	2.51	2.46	3.21	3.91	6.79	15.32	9.35	28.43	25.24	24.9	0.97	14.69
4	30	2013	8	1	1	2.74	2.62	3.42	3.98	7.87	15.29	9.46	27.06	25.85	22.92	0.98	14.86
4	30	2013	9	1	1	2.5	2.5	3.18	3.53	8.19	15.51	11.37	29.43	23.99	23.93	0.95	14.96
4	30	2013	10	1	1	2.7	2.64	3.15	3.85	8.06	15.35	10.25	31.13	25.96	27.6	0.98	14.94
4	30	2013	11	1	1	2.45	2.35	2.89	3.67	6.5	15.23	8.77	27.58	29.65	23.64	0.98	14.86
4	30	2013	12	1	1	2.46	2.34	3.12	3.59	8.24	15.22	8.78	18.36	30.55	18.65	0.96	14.74
4	30	2013	13	1	1	2.65	2.61	3.13	3.69	7.87	15.26	9.67	27.89	27.66	24.02	0.98	14.59
4	30	2013	14	1	1	2.51	2.46	3.02	3.84	8.32	15.09	9.59	29.73	28.82	26.03	0.96	14.44
4	30	2013	15	1	1	2.53	2.61	3.36	4.63	6.39	15.25	9.67	28.95	22.36	26.16	0.94	14.32
4	30	2013	16	1	1	2.7	2.74	3.45	4.12	8.41	15.01	11.31	30.58	19.22	25.54	0.96	14.27
4	30	2013	17	1	1	2.57	2.6	3.3	3.92	7.08	15.11	10.07	23.14	21.69	22.11	0.97	14.26
4	30	2013	18	1	1	2.78	2.68	3.07	3.39	9.09	15.15	11.02	25.23	23.46	23.7	0.98	14.35
4	30	2013	19	1	1	2.95	2.87	3.42	4.05	5.97	15.15	10.03	28.78	22.87	23.65	0.96	14.43
4	30	2013	20	1	1	2.85	2.73	3.28	4.57	5.48	15.21	10	27.38	16.62	24.21	0.96	14.54
4	30	2013	21	1	1	2.31	2.34	2.72	3.1	6.72	14.83	10.31	29.01	27.73	26.58	0.94	14.59
4	30	2013	22	1	1	2.2	2.14	2.68	3.17	7.22	14.66	10.23	30.82	24.11	26.49	0.96	14.57
4	30	2013	23	1	1	2.11	2.09	2.69	3.11	5.11	14.59	8.11	26.23	31.82	22.27	0.93	14.51
5	1	2013	0	1	1	1.99	1.85	2.4	3.14	6.25	14.11	8.41	27.91	34.03	22.28	0.94	14.44
5	1	2013	1	1	1	2.08	2.02	2.46	2.87	6.22	14.67	8.74	30.46	31.15	24.68	0.95	14.3
5	1	2013	2	1	1	2.22	2.16	2.82	3.37	6.58	13.94	9.32	28.95	24.67	25.51	0.97	14.21
5	1	2013	3	1	1	2.17	2.16	2.78	3.45	6.01	14.08	10.01	29.02	21.44	25.39	0.95	14.19
5	1	2013	4	1	1	2.43	2.39	2.93	3.35	8.14	14.52	10.24	27.92	19.92	26.16	0.96	14.2
5	1	2013	5	1	1	2.29	2.31	2.83	3.27	4.1	14.03	7.82	31.94	26.92	27.8	0.91	14.3
5	1	2013	6	1	1	2.08	1.99	2.58	3.32	5.06	14.13	8.03	27.4	24.57	21.78	0.95	14.44
5	1	2013	7	1	1	2.96	2.55	3.42	4.61	6.21	14.81	9.32	28.69	26.16	31.38	0.47	14.59
5	1	2013	8	1	1	2.18	2.07	2.65	3.34	5.75	14.54	8.37	29.38	33.3	24.73	0.94	14.74
5	1	2013	9	1	1	2.21	2.2	2.48	2.68	7.5	14.16	10.4	29.94	21.48	25.09	0.96	14.87
5	1	2013	10	1	1	1.93	1.87	2.31	2.61	6.21	14.81	8.47	32.06	37.9	25.13	0.95	14.92
5	1	2013	11	1	1	2.51	2.47	3.17	3.95	8.62	14.68	10.69	30.41	25.34	27.42	0.98	14.97
5	1	2013	12	1	1	2.09	1.95	2.46	3.11	7.39	14.98	8.58	32.35	26.98	28.82	0.95	14.9
5	1	2013	13	1	1	1.99	1.82	2.35	2.69	7.47	14.71	8.64	28.56	28.29	24.28	0.96	14.8
5	1	2013	14	1	1	2.29	2.25	2.92	3.58	6.1	13.79	9.11	24.65	25.93	22.88	0.97	14.65
5	1	2013	15	1	1	2.11	2	2.53	3.34	6.32	14.12	8.4	32.12	24.02	25.19	0.94	14.5
5	1	2013	16	1	1	2.48	2.4	2.98	3.67	8.25	14.64	9.89	30.26	22.42	26.66	0.97	14.34
5	1	2013	17	1	1	2.41	2.23	2.92	4.01	8.45	14.63	8.67	27.59	22.02	22.89	0.97	14.33
5	1	2013	18	1	1	2.44	2.43	2.97	4.01	5.56	15.05	9.26	29.07	18.94	23.76	0.93	14.3
5	1	2013	19	1	1	2.05	1.91	2.4	3.14	7.84	14.58	8.87	28.29	29.35	21.17	0.94	14.35
5	1	2013	20	1	1	2.17	2.11	2.7	3.77	6.54	15.01	9.67	27.51	27.51	23.98	0.96	14.46
5	1	2013	21	1	1	2.33	2.23	2.78	3.62	7.25	14.98	9.25	26.73	23.69	23.97	0.95	14.52
5	1	2013	22	1	1	2.57	2.49	3.01	3.36	7.86	14.93	10.8	26.51	24.96	23.06	0.95	14.59
5	1	2013	23	1	1	2.27	2.17	2.66	3.33	7.51	14.34	9.42	26.55	24.62	22.56	0.93	14.55
5	2	2013	0	1	1	2.47	2.37	3.09	3.9	7.81	14.66	9.43	26.87	26.6	24.54	0.95	14.52

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	2	2013	1	1	1	2.68	2.57	3.04	3.56	9.39	14.95	10.49	28.29	23.9	24.24	0.96	14.46
5	2	2013	2	1	1	2.77	2.66	3.24	3.96	7.9	15.24	10.61	27.7	20.76	25.57	0.95	14.35
5	2	2013	3	1	1	2.88	2.81	3.37	4.17	8.02	14.83	11.75	24.11	13.71	21.89	0.99	14.3
5	2	2013	4	1	1	2.29	2.2	2.89	3.39	7.26	14.72	9.76	28.36	29.21	22.91	0.93	14.25
5	2	2013	5	1	1	2.53	2.42	2.85	3.04	6.15	14.68	9.4	26.89	19.68	24.48	0.96	14.26
5	2	2013	6	1	1	2.95	3	3.6	3.92	9.98	14.86	11.94	27.48	13.67	25.8	0.95	14.35
5	2	2013	7	1	1	2.62	2.56	3.26	3.7	8.96	14.56	10.83	25.76	21.65	21.86	0.97	14.47
5	2	2013	8	1	1	2.61	2.55	3.05	3.58	5.84	14.56	9.64	27.31	20.54	25	0.96	14.59
5	2	2013	9	1	1	2.38	2.34	2.88	3.5	7.5	14.67	10.28	29.87	28.28	24.9	0.95	14.76
5	2	2013	10	1	1	2.43	2.29	2.57	2.9	8.83	14.39	11.21	27.23	21.51	23.73	0.94	14.84
5	2	2013	11	1	1	2.31	2.22	2.76	3.3	8.19	14.22	9.65	30.75	28.54	25.8	0.94	14.9
5	2	2013	12	1	1	2.44	2.42	3.1	3.92	6.13	14.06	9.43	26.19	27.1	20.62	0.94	14.96
5	2	2013	13	1	1	2.35	2.21	2.89	3.92	6.92	14.2	8.94	25.06	27.43	18.95	0.92	14.88
5	2	2013	14	1	1	2.18	2.07	2.55	2.99	7.97	13.07	8.43	22.87	27.92	20.51	0.97	14.83
5	2	2013	15	1	1	2.01	1.92	2.37	3.32	8.36	13.23	9.15	25.5	32.96	21.06	0.93	14.66
5	2	2013	16	1	1	2.54	2.39	2.97	3.69	8.14	13.28	9.63	26.22	25.19	21.3	0.97	14.51
5	2	2013	17	1	1	2.53	2.46	3.14	3.85	7.57	13.28	9.62	25.58	32.63	22.66	0.96	14.4
5	2	2013	18	1	1	2.53	2.61	3.4	4.36	5.5	13.52	9.72	27.45	16.26	21.83	0.94	14.32
5	2	2013	19	1	1	2.4	2.41	3.02	3.7	5.56	13.64	9.47	25.83	17.91	20.28	0.97	14.3
5	2	2013	20	1	1	2.41	2.37	2.95	3.67	6.02	13.76	9.1	27.57	17.85	23.43	0.95	14.34
5	2	2013	21	1	1	2.46	2.45	3.09	3.86	7.82	14.09	9.49	26.92	21.64	22.65	0.95	14.43
5	2	2013	22	1	1	2.34	2.36	3	3.79	7.33	13.32	9.38	25.04	19.82	22.07	0.98	14.51
5	2	2013	23	1	1	2.1	2.11	2.73	3.64	5.75	13.21	8.41	23.92	31.4	19.92	0.94	14.57
5	3	2013	0	1	1	2.04	2.02	2.65	3.13	6.86	13.31	9.14	29	33.5	23.56	0.94	14.6
5	3	2013	1	1	1	2.33	2.44	2.95	3.83	3.89	13.3	8.35	27.41	27.39	23.69	0.92	14.58
5	3	2013	2	1	1	2.4	2.39	2.87	3.56	5.31	13.53	9.67	26.81	21.26	24.24	0.96	14.5
5	3	2013	3	1	1	2.22	2.09	2.71	3.04	6.77	13.26	8.41	25.67	24.15	22.03	0.95	14.44
5	3	2013	4	1	1	1.99	1.84	2.41	3.07	6.35	13.21	7.53	31.05	29.09	25.33	0.94	14.4
5	3	2013	5	1	1	2.37	2.37	3.16	4.67	6.39	13.43	8.6	26.38	29.77	23.74	0.95	14.38
5	3	2013	6	1	1	2.47	2.44	3.02	3.82	9.29	13.33	10.13	26.56	26.18	22.67	0.97	14.36
5	3	2013	7	1	1	2.08	2.02	2.55	3.08	9.24	13.04	9.24	26.36	28.88	21.53	0.96	14.39
5	3	2013	8	1	1	2.31	2.18	2.52	2.84	7.15	13.08	9.96	21.99	24.64	20.02	0.97	14.47
5	3	2013	9	1	1	2.04	1.9	2.28	2.75	8.42	13.07	9.72	24.89	31.19	20.42	0.97	14.59
5	3	2013	10	1	1	1.93	1.85	2.3	2.84	6.77	12.99	8.54	24.64	31.85	20.72	0.96	14.71
5	3	2013	11	1	1	1.87	1.79	2.27	3.06	6.17	12.75	7.96	29.14	34.43	22.15	0.95	14.86
5	3	2013	12	1	1	1.97	1.9	2.44	3.04	5.08	12.95	7.55	26.41	30.92	21.33	0.97	14.9
5	3	2013	13	1	1	1.96	1.91	2.46	3.31	6.63	12.89	7.89	23.16	32.67	21.93	0.96	14.91
5	3	2013	14	1	1	2.19	2.18	2.62	3.32	7.13	12.99	9.13	24.5	20.95	21.49	0.98	14.88
5	3	2013	15	1	1	1.83	1.68	2.21	2.69	5.5	13.31	6.74	30.28	30.63	22.21	0.95	14.77
5	3	2013	16	1	1	1.77	1.65	2.07	2.37	6.37	12.56	7.37	23.18	32.21	17.83	0.96	14.65
5	3	2013	17	1	1	1.74	1.7	2.21	2.47	5.4	12.92	7.28	22.34	33.02	16.3	0.96	14.53
5	3	2013	18	1	1	2.03	1.97	2.42	3.04	4.57	13.16	7.16	26.79	34.82	21.15	0.96	14.37
5	3	2013	19	1	1	1.84	1.78	2.14	2.58	4.72	13.04	7.17	28.16	31.44	21.92	0.94	14.3
5	3	2013	20	1	1	1.95	1.93	2.37	3.18	3.78	13.24	6.35	26.72	35.49	22.08	0.93	14.3
5	3	2013	21	1	1	1.96	1.82	2.26	3.01	4.6	13	6.68	21.46	26.98	16.75	0.95	14.35

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	3	2013	22	1	1	2.06	2.06	2.53	3.34	3.68	13.29	6.18	25.17	35.57	18.72	0.93	14.44
5	3	2013	23	1	1	2.33	2.31	2.98	4.08	4.32	13.08	6.86	21.57	17.79	16.41	0.95	14.52
5	4	2013	0	1	1	2	1.86	2.29	2.69	5.58	12.82	7.12	20.23	31.38	16.48	0.96	14.61
5	4	2013	1	1	1	1.82	1.74	2.25	2.77	6.63	12.6	7.17	21.56	18.21	15	0.97	14.65
5	4	2013	2	1	1	2.09	2.04	2.4	2.9	5.56	13.05	7.88	25.74	28.22	20.2	0.96	14.64
5	4	2013	3	1	1	1.79	1.67	2	2.31	4.91	12.71	6.64	20.1	36.49	15.67	0.95	14.6
5	4	2013	4	1	1	1.86	1.71	2.25	2.89	5.48	12.69	6.45	24.94	33.23	17.35	0.97	14.52
5	4	2013	5	1	1	1.66	1.59	2.03	2.66	5.37	12.59	6.78	21.31	30.95	16.13	0.95	14.45
5	4	2013	6	1	1	1.74	1.64	1.99	2.3	6.84	12.45	7.5	24.23	29.63	15.92	0.96	14.42
5	4	2013	7	1	1	1.72	1.59	1.94	2.28	5.36	12.5	6.76	21.12	30.99	16.32	0.96	14.38
5	4	2013	8	1	1	1.88	1.74	2.08	2.99	5.7	12.52	7.31	21.23	26.65	16.08	0.96	14.41
5	4	2013	9	1	1	1.81	1.85	2.38	3.09	4.01	11.83	6.6	21.92	31.52	17.08	0.95	14.47
5	4	2013	10	1	1	1.66	1.61	2.04	3.13	4.22	12.4	6.43	26.59	33.22	19.8	0.95	14.54
5	4	2013	11	1	1	2	1.8	2.24	2.84	3.96	12.69	7.04	28.74	26.48	20.51	0.96	14.68
5	4	2013	12	1	1	1.79	1.66	2.04	2.47	6.19	12.56	7.38	23.93	25.01	16.75	0.96	14.8
5	4	2013	13	1	1	1.86	1.74	2.18	2.73	4.96	12.43	6.9	22.99	31.62	16.37	0.96	14.88
5	4	2013	14	1	1	1.78	1.71	2.04	2.4	5.26	12.65	7.46	27.77	35.68	17.7	0.96	14.89
5	4	2013	15	1	1	1.79	1.7	2.08	2.61	6.36	12.52	7.8	25.84	32.72	19.27	0.97	14.83
5	4	2013	16	1	1	1.95	1.9	2.3	3.12	7.09	13.23	8.17	22.32	27.18	18.17	0.98	14.72
5	4	2013	17	1	1	1.85	1.79	2.18	2.69	7.4	12.89	8.51	21.23	25.89	16.31	0.98	14.58
5	4	2013	18	1	1	1.7	1.66	1.96	2.36	6.24	13.11	8.52	21.81	30.28	14.89	0.97	14.42
5	4	2013	19	1	1	1.86	1.79	2.17	2.59	5.92	12.2	7.9	24.84	25.51	15.35	0.97	14.32
5	4	2013	20	1	1	1.97	1.9	2.29	2.9	5.93	12.88	7.94	26.38	21.97	19.08	0.96	14.26
5	4	2013	21	1	1	1.77	1.63	2.08	2.51	7.2	12.62	7.64	22.49	32.98	17.07	0.97	14.24
5	4	2013	22	1	1	1.83	1.7	2.04	2.54	7.67	12.23	8.08	20.27	23.1	14.18	0.97	14.34
5	4	2013	23	1	1	1.74	1.62	2	2.45	5.69	12.13	7.65	29.57	28	19.44	0.96	14.43
5	5	2013	0	1	1	1.72	1.63	2.25	3.32	6.74	11.59	7.71	22.73	31.16	16.78	0.97	14.56
5	5	2013	1	1	1	1.88	1.81	2.26	2.66	7.09	11.53	8.35	22.19	29.21	17.5	0.97	14.67
5	5	2013	2	1	1	1.69	1.61	1.99	2.23	6.85	11.58	8.18	16.75	35.9	14.4	0.97	14.7
5	5	2013	3	1	1	1.44	1.39	1.75	1.96	6.8	10.66	7.49	27.14	29.94	19.22	0.96	14.71
5	5	2013	4	1	1	1.81	1.8	2.11	2.6	6.57	11.72	9.02	23.59	23.53	17.02	0.97	14.68
5	5	2013	5	1	1	1.65	1.59	1.89	2.15	7.92	11.45	8.86	24.22	21.75	18.93	0.98	14.58
5	5	2013	6	1	1	1.48	1.36	1.66	2.08	7.6	11.25	7.59	26.58	26.32	20.42	0.97	14.53
5	5	2013	7	1	1	1.53	1.45	1.87	2.64	6.46	11.39	7.67	26.67	22.02	19.68	0.97	14.42
5	5	2013	8	1	1	1.51	1.4	1.92	2.58	5.56	11.44	6.9	25.32	26.97	19.18	0.97	14.39
5	5	2013	9	1	1	1.49	1.4	1.73	2.23	6.81	11.05	7.31	29.15	20.83	20.01	0.97	14.39
5	5	2013	10	1	1	1.48	1.39	1.73	2.3	6.93	10.45	7.27	23.1	31.17	17.9	0.98	14.44
5	5	2013	11	1	1	1.49	1.41	1.71	2.51	6.93	10.61	7.96	24.2	23.52	19.16	0.99	14.53
5	5	2013	12	1	1	1.29	1.24	1.51	1.68	7.1	10.39	7.25	24.23	24.5	19.13	0.98	14.69
5	5	2013	13	1	1	1.37	1.22	1.64	2.19	6.54	10.93	7.22	28.79	22.19	20.63	0.97	14.76
5	5	2013	14	1	1	1.34	1.31	1.67	2.11	6.31	10.78	7.72	26.26	27.15	19.2	0.98	14.85
5	5	2013	15	1	1	1.38	1.29	1.62	2.13	6.08	11.78	7.16	24.51	32.04	18.06	0.97	14.83
5	5	2013	16	1	1	1.43	1.37	1.67	2.02	6.61	10.98	7.44	24.51	21.11	19.96	0.99	14.78
5	5	2013	17	1	1	1.38	1.33	1.61	1.81	6.3	10.95	7.75	24.99	24.64	20.22	0.99	14.67
5	5	2013	18	1	1	1.38	1.31	1.66	2.04	6.89	11.14	7.38	26.37	25.54	18.85	0.98	14.51

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	5	2013	19	1	1	1.38	1.32	1.56	1.73	6.72	10.82	7.33	23.02	22.18	16.67	0.98	14.36
5	5	2013	20	1	1	1.45	1.39	1.7	1.95	5.49	10.96	7	22.75	18.24	17.61	0.97	14.25
5	5	2013	21	1	1	1.45	1.4	1.71	2.18	4.92	10.69	6.92	22.29	30.27	15.14	0.91	14.19
5	5	2013	22	1	1	1.39	1.33	1.72	2.11	4.99	10.74	6.73	21.28	28.17	16.65	0.96	14.23
5	5	2013	23	1	1	1.48	1.41	1.82	2.29	5.84	10.81	7.58	22.99	20.85	17.66	0.97	14.32
5	6	2013	0	1	1	1.38	1.28	1.52	1.85	6.57	10.93	7.3	28.84	20.85	16.56	0.97	14.44
5	6	2013	1	1	1	1.22	1.2	1.53	2.31	5.2	11.97	6.62	19.87	31.72	14.3	0.97	14.6
5	6	2013	2	1	1	1.36	1.34	1.67	2.31	5.17	11.24	7.25	23.06	28.59	15.56	0.97	14.71
5	6	2013	3	1	1	1.33	1.25	1.65	2	5.2	10.73	6.6	22.66	31.81	15.3	0.96	14.79
5	6	2013	4	1	1	1.27	1.17	1.48	1.71	6.3	10.81	7.15	25.19	26.79	17.05	0.97	14.8
5	6	2013	5	1	1	1.25	1.19	1.46	1.76	4.52	10.48	6.58	26.38	34.13	20.55	0.96	14.75
5	6	2013	6	1	1	1.22	1.16	1.42	1.62	6.49	11.09	7.27	21.32	36.82	14.29	0.97	14.67
5	6	2013	7	1	1	1.11	1.05	1.42	1.7	5.04	10.75	6.49	14.95	33.07	11.75	0.98	14.54
5	6	2013	8	1	1	1.27	1.27	1.65	2.21	4.4	10.69	6.88	18.53	35.13	15.27	0.96	14.43
5	6	2013	9	1	1	1.33	1.27	1.58	1.86	5.56	10.57	6.95	18.49	35.95	15.69	0.97	14.39
5	6	2013	10	1	1	1.14	1.09	1.39	1.81	7.12	10.77	7.42	10.89	33.26	12.38	0.96	14.38
5	6	2013	11	1	1	1.15	1.06	1.34	1.77	7.17	10.6	7.07	20.11	27.29	13.96	0.98	14.43
5	6	2013	12	1	1	1.11	1.06	1.29	1.62	6.77	10.38	7.48	21.4	32.39	16.49	0.98	14.55
5	6	2013	13	1	1	1.12	1.07	1.31	1.55	6.96	10.18	7.94	18.84	35.24	17.66	0.98	14.62
5	6	2013	14	1	1	1.08	1.01	1.22	1.37	8.86	10.17	7.8	9.62	41.24	11.61	0.98	14.76
5	6	2013	15	1	1	1	0.96	1.16	1.45	6.19	10.03	7.02	17	35.97	17.69	0.98	14.8
5	6	2013	16	1	1	1.11	1.03	1.29	1.74	6.24	10.85	6.73	20.94	46.41	17.64	0.97	14.78
5	6	2013	17	1	1	1.13	1.06	1.36	1.58	6.17	10.71	6.87	19.07	41.24	19.22	0.98	14.71
5	6	2013	18	1	1	1.23	1.13	1.42	2.2	5.97	10.07	6.77	10.13	32.55	14.1	0.97	14.57
5	6	2013	19	1	1	1.19	1.11	1.41	1.72	4.63	10.94	6.68	22.03	37.15	18.67	0.96	14.43
5	6	2013	20	1	1	1.17	1.11	1.41	1.68	5.02	11.24	6.64	21.14	43.07	16.47	0.94	14.31
5	6	2013	21	1	1	1.27	1.21	1.44	1.65	5.85	10.86	7.68	18.42	33.89	17.12	0.95	14.19
5	6	2013	22	1	1	1.24	1.16	1.48	1.71	5.69	10.69	7.56	25.56	41.4	19.79	0.95	14.16
5	6	2013	23	1	1	1.31	1.26	1.55	2.11	7.12	11.05	7.91	21.72	31.68	18.4	0.97	14.22
5	7	2013	0	1	1	1.43	1.36	1.59	2.08	7.27	10.81	8.73	24.29	24.23	19.9	0.98	14.32
5	7	2013	1	1	1	1.33	1.26	1.58	1.87	7.75	10.26	7.75	16.88	33.08	18	0.97	14.54
5	7	2013	2	1	1	1.38	1.31	1.66	2.23	6.62	10.21	7.2	11.98	33.18	14.9	0.96	14.65
5	7	2013	3	1	1	1.28	1.22	1.54	1.85	6.21	10.29	7.45	22.51	27.67	19.28	0.97	14.8
5	7	2013	4	1	1	1.48	1.41	1.73	2.07	5.99	10.24	7.88	16.78	29.49	17.28	0.97	14.86
5	7	2013	5	1	1	1.37	1.31	1.67	2.18	5.53	15.22	7.16	27.15	41.41	17.79	0.98	14.84
5	7	2013	6	1	1	1.46	1.31	1.69	2.17	6.91	10.05	7.36	17.64	29.21	17.7	0.98	14.78
5	7	2013	7	1	1	1.31	1.31	1.48	1.87	6.74	15.15	6.96	32.67	54.77	18.28	0.97	14.67
5	7	2013	8	1	1	1.5	1.38	1.88	2.21	6.58	9.77	7.17	21.38	31.71	19.63	0.96	14.52
5	7	2013	9	1	1	1.42	1.33	1.66	1.89	6.68	15.19	7.11	20.03	49.83	13.87	0.97	14.41
5	7	2013	10	1	1	1.35	1.23	1.49	1.78	5.7	15.28	7.18	28.97	52.4	19.55	0.96	14.35
5	7	2013	11	1	1	1.42	1.29	1.58	2	6.04	15.07	7.06	30.79	48.03	17.58	0.96	14.38
5	7	2013	12	1	1	1.37	1.34	1.64	1.83	4.1	15.44	6.64	29.36	47.01	16.19	0.94	14.41
5	7	2013	13	1	1	1.51	1.49	1.95	2.47	4.77	15.47	6.83	25.49	49.42	15.7	0.95	14.54
5	7	2013	14	1	1	1.53	1.35	1.71	2.2	5.02	15.57	6.56	24.2	46.12	15.16	0.98	14.64
5	7	2013	15	1	1	1.44	1.34	1.64	1.97	6.01	15.49	6.63	27.46	46.99	16.89	0.97	14.71

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectionality index	Mean Pressure
5	7	2013	16	1	1	1.52	1.39	1.79	2.37	5.46	15.5	6.75	23.06	43.32	13.88	0.97	14.78
5	7	2013	17	1	1	1.49	1.4	1.8	2.2	5.82	15.34	6.62	20.37	41.32	14.55	0.98	14.73
5	7	2013	18	1	1	1.49	1.37	1.74	2.19	6.02	13.46	7.13	33.68	42.06	19.2	0.96	14.63
5	7	2013	19	1	1	1.56	1.52	1.99	2.48	5.01	14.42	6.75	25.7	41.67	17.89	0.99	14.5
5	7	2013	20	1	1	1.54	1.43	1.91	2.2	5.09	14.55	6.9	24.31	45.99	18.67	0.96	14.33
5	7	2013	21	1	1	1.54	1.49	1.88	2.36	5.42	14.59	7.24	25.22	39.4	16.09	0.97	14.22
5	7	2013	22	1	1	1.58	1.48	1.86	2.34	5.18	14.46	6.89	29.17	38.49	18.25	0.95	14.18
5	7	2013	23	1	1	1.57	1.45	1.78	2.07	6.8	14.87	8.26	27.04	40.6	16.7	0.96	14.18
5	8	2013	0	1	1	1.65	1.53	1.92	2.48	6	13.78	7.57	27.66	42.65	16.13	0.95	14.25
5	8	2013	1	1	1	1.53	1.4	1.76	1.93	7.18	13.89	7.71	21.12	42.17	14.54	0.97	14.36
5	8	2013	2	1	1	1.56	1.44	1.78	2.25	6.65	13.82	8.07	31.02	33.81	20.55	0.96	14.54
5	8	2013	3	1	1	1.65	1.57	2.03	2.52	5.08	13.58	7.26	23.14	36.24	14.25	0.97	14.75
5	8	2013	4	1	1	1.73	1.53	1.93	2.63	3.34	13.67	6.72	22.01	35.21	15.46	0.91	14.85
5	8	2013	5	1	1	1.63	1.5	1.91	2.6	6.36	13.23	7.38	25.49	29.78	17.68	0.97	14.89
5	8	2013	6	1	1	1.56	1.46	1.77	2.24	6.61	13.52	7.65	26.44	28.04	16.05	0.97	14.88
5	8	2013	7	1	1	1.57	1.51	1.8	2.4	6.88	13.49	8.2	28.38	44.53	13.73	0.96	14.78
5	8	2013	8	1	1	1.6	1.56	1.92	2.21	6.41	13.67	8.3	21.47	39.21	13.91	0.96	14.65
5	8	2013	9	1	1	1.67	1.66	2.09	2.49	4.82	13.89	7.94	23.96	33.67	15.22	0.95	14.53
5	8	2013	10	1	1	1.65	1.56	1.95	2.55	5.97	13.61	8.1	21.8	31.41	14.95	0.98	14.4
5	8	2013	11	1	1	1.54	1.45	1.76	2.28	7.04	13.78	8.11	25.74	38.86	16.93	0.98	14.35
5	8	2013	12	1	1	1.54	1.43	1.91	2.58	7.44	13.36	7.73	27.96	37.17	17.4	0.96	14.35
5	8	2013	13	1	1	1.54	1.4	1.7	2.14	7.42	13	8.2	19.42	32.19	12.63	0.97	14.43
5	8	2013	14	1	1	1.36	1.26	1.56	1.95	7.29	11.04	7.8	22.75	30.81	14.09	0.97	14.54
5	8	2013	15	1	1	1.43	1.35	1.68	2.12	7.41	12.6	7.71	21.25	32.77	14.44	0.97	14.65
5	8	2013	16	1	1	1.38	1.26	1.54	1.72	7.29	13.44	7.44	26.33	31.95	18.19	0.98	14.72
5	8	2013	17	1	1	2	2.13	2.56	3.23	2.42	12.39	5.51	23.85	30.79	14.19	0.92	14.73
5	8	2013	18	1	1	1.38	1.27	1.62	1.86	6.68	12.31	7.18	21.57	31.39	16.15	0.96	14.68
5	8	2013	19	1	1	1.43	1.47	1.94	2.49	3.98	9.87	6.76	12.26	27.55	11.46	0.95	14.59
5	8	2013	20	1	1	1.32	1.26	1.59	2.17	4.96	10.08	6.64	9.67	33.94	12.05	0.96	14.44
5	8	2013	21	1	1	1.44	1.37	1.68	2.1	6.29	11.03	7.51	14.47	28.78	13.01	0.96	14.31
5	8	2013	22	1	1	1.33	1.28	1.61	2.11	6.34	11.32	6.81	9.47	32.22	10.5	0.97	14.19
5	8	2013	23	1	1	1.37	1.26	1.57	1.91	6.41	11.26	6.89	18.19	34.99	15.26	0.97	14.17
5	9	2013	0	1	1	1.41	1.31	1.66	2	7.13	11.57	7.87	14.75	34.29	16.54	0.96	14.19
5	9	2013	1	1	1	1.37	1.28	1.58	1.88	6.59	12.15	7.81	26.86	23.99	17.18	0.96	14.33
5	9	2013	2	1	1	1.35	1.3	1.61	2.08	6.99	9.82	7.81	8.51	29.41	12.79	0.97	14.47
5	9	2013	3	1	1	1.27	1.18	1.54	1.9	7.33	12.47	7.4	27.26	29.51	18.87	0.97	14.64
5	9	2013	4	1	1	1.25	1.18	1.49	1.73	7.19	11.14	7.42	12.22	32.47	14.54	0.98	14.82
5	9	2013	5	1	1	1.44	1.35	1.68	2.04	8.02	11.61	8.28	16.08	36.24	18.37	0.97	14.91
5	9	2013	6	1	1	1.19	1.1	1.37	1.65	6.64	12.17	7.22	22.49	40.06	13.78	0.96	14.94
5	9	2013	7	1	1	1.34	1.32	1.55	1.84	7.72	11.4	8.53	15.32	37.26	17.65	0.97	14.91
5	9	2013	8	1	1	1.23	1.16	1.44	1.67	6.46	12.48	7.27	25.35	33.58	14.57	0.96	14.78
5	9	2013	9	1	1	1.31	1.24	1.54	1.82	7.33	10.32	8.19	5.85	33.87	12.08	0.96	14.64
5	9	2013	10	1	1	1.27	1.16	1.56	2.08	7.09	12.8	7.7	29.09	34.93	18.53	0.96	14.5
5	9	2013	11	1	1	1.2	1.15	1.47	1.96	7.68	13	8.2	27.15	46.12	17.18	0.97	14.4
5	9	2013	12	1	1	1.34	1.3	1.7	2.17	6.08	12.6	7.56	23.72	35.83	15.03	0.96	14.4

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	9	2013	13	1	1	1.37	1.31	1.61	2.1	6.97	12.75	7.99	27.7	40.91	19.38	0.97	14.39
5	9	2013	14	1	1	1.21	1.15	1.51	2.04	6.52	12.87	7.25	26	33.52	17.58	0.96	14.48
5	9	2013	15	1	1	1.23	1.16	1.45	1.69	7.33	12.79	8.28	26.2	36.71	17.76	0.95	14.55
5	9	2013	16	1	1	1.25	1.2	1.42	1.63	7.45	11.93	8.35	26.6	37.74	17.94	0.97	14.63
5	9	2013	17	1	1	1.28	1.25	1.49	1.8	7.46	12.16	8.19	22.72	36	14.69	0.98	14.71
5	9	2013	18	1	1	1.31	1.25	1.6	1.93	7.9	13.23	8.08	24.16	37.15	16.61	0.96	14.66
5	9	2013	19	1	1	1.2	1.11	1.4	1.67	7.47	12.8	7.62	25.67	43.84	16.42	0.96	14.58
5	9	2013	20	1	1	1.21	1.15	1.44	1.67	6.38	12.56	7.53	16.5	40.18	13.29	0.97	14.47
5	9	2013	21	1	1	1.19	1.08	1.4	1.69	6.58	13.55	7.66	24.94	46.47	11.61	0.97	14.37
5	9	2013	22	1	1	1.32	1.26	1.57	2.16	6.04	12.8	7.86	23.14	34.47	17.31	0.96	14.26
5	9	2013	23	1	1	1.28	1.2	1.57	2.09	6.45	13.38	7.34	21.9	42.07	11.53	0.97	14.15
5	10	2013	0	1	1	1.14	1.07	1.3	1.84	6.28	12.38	6.97	16.85	43.28	11.64	0.97	14.17
5	10	2013	1	1	1	1.17	1.04	1.36	1.68	6.5	12.48	6.66	24.54	43.61	16.56	0.95	14.21
5	10	2013	2	1	1	1.23	1.17	1.45	1.57	6.71	12.92	7.65	20.39	41.16	15.74	0.96	14.36
5	10	2013	3	1	1	1.15	1.04	1.38	1.78	7.43	13.53	7.53	25.13	41.67	16.35	0.97	14.56
5	10	2013	4	1	1	1.29	1.22	1.6	2.05	7.82	12.37	7.98	25.46	40.87	17.3	0.97	14.73
5	10	2013	5	1	1	1.16	1.1	1.38	1.49	7.51	13.09	7.56	21.64	43.99	17.69	0.96	14.88
5	10	2013	6	1	1	1.26	1.19	1.37	1.58	7.88	13.34	9.23	27.7	45.23	18.65	0.97	14.96
5	10	2013	7	1	1	1.19	1.09	1.5	1.88	7.29	12.32	7.53	22.94	45.95	16.63	0.97	14.94
5	10	2013	8	1	1	1.48	1.27	1.55	1.75	8.3	12.41	7.53	21.84	36.53	16.52	0.95	14.87
5	10	2013	9	1	1	1.16	1.09	1.32	1.5	7.4	12.58	7.97	20.73	42.73	16.08	0.96	14.76
5	10	2013	10	1	1	1.26	1.21	1.51	1.6	6.1	12.84	7.72	20.42	41.43	17.36	0.95	14.61
5	10	2013	11	1	1	1.19	1.12	1.41	1.97	6.41	12.95	7.37	19.97	45.61	14.11	0.96	14.5
5	10	2013	12	1	1	1.27	1.23	1.55	1.91	5.37	12.52	7.9	23.28	39.64	17.51	0.95	14.41
5	10	2013	13	1	1	1.35	1.3	1.6	2.17	4.78	12.77	7.03	25.07	36.08	20.52	0.91	14.42
5	10	2013	14	1	1	1.29	1.19	1.55	2.11	5.57	13.06	6.71	29.26	39.85	19.56	0.91	14.42
5	10	2013	15	1	1	1.25	1.19	1.48	1.7	6.05	14	7.58	33.17	36.48	22.55	0.96	14.5
5	10	2013	16	1	1	1.31	1.22	1.53	1.82	5.65	13.78	7.79	30.79	30.55	22.6	0.96	14.57
5	10	2013	17	1	1	1.22	1.13	1.39	1.93	6.79	13.16	7.68	24.9	42.13	16.92	0.96	14.64
5	10	2013	18	1	1	1.32	1.24	1.6	1.81	6.19	13.23	7.68	24.88	41.11	22.83	0.94	14.63
5	10	2013	19	1	1	1.41	1.39	1.67	2.07	4.25	12.98	7.57	23.14	42.78	19.44	0.96	14.59
5	10	2013	20	1	1	1.41	1.28	1.58	2.02	5.21	13.49	6.79	28.24	35.47	18.18	0.94	14.53
5	10	2013	21	1	1	1.48	1.4	1.77	2.39	4.12	14.37	6.53	33.09	37.01	21.85	0.92	14.44
5	10	2013	22	1	1	1.5	1.37	1.88	2.53	4.57	14.39	6.22	26.85	27.09	18.74	0.94	14.31
5	10	2013	23	1	1	1.42	1.37	1.75	2	5.7	14.25	7.5	28.26	36.83	21.75	0.95	14.21
5	11	2013	0	1	1	1.59	1.58	1.92	2.18	3.89	14.14	7.5	32.88	38.49	21.74	0.93	14.15
5	11	2013	1	1	1	1.66	1.61	1.98	2.36	5.2	14.33	8.27	33.97	33.46	28.29	0.96	14.19
5	11	2013	2	1	1	1.75	1.78	2.07	2.3	4.58	13.81	8.51	31.64	26.05	23.58	0.96	14.3
5	11	2013	3	1	1	1.61	1.61	1.97	2.31	5.81	13.58	9.26	39.1	25.43	29.03	0.97	14.43
5	11	2013	4	1	1	1.61	1.56	1.96	2.96	6.1	14.03	8.69	35.21	26.41	26.96	0.95	14.65
5	11	2013	5	1	1	1.67	1.63	2.11	2.44	6.19	13.71	8.64	33.35	30.4	25.54	0.95	14.83
5	11	2013	6	1	1	1.4	1.31	1.58	1.76	6.29	13.7	8.2	30.85	41.78	22.84	0.95	14.94
5	11	2013	7	1	1	1.36	1.36	1.72	2.22	5.78	13.91	8.31	28.11	31.45	21.32	0.96	15
5	11	2013	8	1	1	1.44	1.37	1.92	2.61	6.85	13.36	8.53	31.44	36.36	21.59	0.96	14.96
5	11	2013	9	1	1	1.69	1.67	2.17	2.61	6.81	13.86	9.09	36.15	26.14	28.85	0.96	14.84

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectionality index	Mean Pressure
5	11	2013	10	1	1	1.41	1.26	1.64	2.07	7.35	13.55	8.07	36.09	36.34	24.23	0.95	14.72
5	11	2013	11	1	1	1.48	1.41	1.79	2.42	7.81	13.42	8.04	36.4	28.53	25.08	0.97	14.53
5	11	2013	12	1	1	1.45	1.36	1.69	1.97	6.34	13.74	7.8	34.29	37.89	25.6	0.96	14.47
5	11	2013	13	1	1	1.42	1.34	1.74	2.3	4.71	13.64	7	32.49	38.14	22.64	0.93	14.42
5	11	2013	14	1	1	1.46	1.43	1.99	2.91	6.51	13.46	8.02	34.09	36.69	28.17	0.93	14.42
5	11	2013	15	1	1	1.4	1.39	1.8	2.2	5.69	13.79	8.13	34.8	32.97	26.73	0.95	14.44
5	11	2013	16	1	1	1.35	1.31	1.81	2.3	5.89	13.56	7.68	29.53	28.88	22.54	0.97	14.48
5	11	2013	17	1	1	1.44	1.32	1.7	2.14	7.1	13.69	7.91	30.01	33.86	23.39	0.97	14.56
5	11	2013	18	1	1	1.51	1.43	1.75	2.53	6.95	13.44	8.44	30.91	21.44	26	0.96	14.61
5	11	2013	19	1	1	1.56	1.48	1.92	2.59	5.52	13.28	7.93	32.8	31.09	26.97	0.96	14.59
5	11	2013	20	1	1	1.41	1.39	1.78	2.16	5.47	13.97	7.94	32.14	30.57	26.28	0.95	14.55
5	11	2013	21	1	1	1.58	1.57	1.98	2.74	7.29	13.41	8.91	32.34	27.31	26.3	0.97	14.47
5	11	2013	22	1	1	1.63	1.61	2.04	2.61	5.96	13.33	8.65	31.57	32.21	25.89	0.95	14.35
5	11	2013	23	1	1	1.64	1.61	2.08	2.44	7.19	13.66	9.45	36.33	36.92	30.78	0.95	14.27
5	12	2013	0	1	1	1.76	1.74	2.21	2.8	5.47	13.36	9	30.89	29.39	25.27	0.95	14.19
5	12	2013	1	1	1	1.76	1.88	2.38	2.98	3.85	13.32	7.84	26.33	30.17	21.96	0.96	14.2
5	12	2013	2	1	1	1.57	1.58	1.96	2.25	5.74	13.19	8.34	34.77	39.12	29.16	0.95	14.25
5	12	2013	3	1	1	1.99	2.05	2.68	3.26	4.94	13.7	8.48	30.92	25.57	26.46	0.97	14.37
5	12	2013	4	1	1	1.99	1.95	2.27	2.46	6.15	13.97	9.66	32.37	30.09	29.35	0.96	14.54
5	12	2013	5	1	1	1.48	1.42	1.81	2.16	8.18	13.38	8.8	35.3	37.19	29.56	0.95	14.74
5	12	2013	6	1	1	1.73	1.69	2.3	2.8	7.85	13.33	9.57	30.11	37.86	25.69	0.98	14.86
5	12	2013	7	1	1	1.54	1.51	1.97	2.59	6.38	13.83	9.16	31.12	38.08	24.21	0.95	14.92
5	12	2013	8	1	1	2.01	2.22	2.67	3.14	3.34	13.23	7.67	31.88	33.68	23	0.92	14.9
5	12	2013	9	1	1	1.97	1.91	2.37	2.84	7.61	13.3	9.33	30.58	31.39	26.44	0.96	14.83
5	12	2013	10	1	1	1.8	1.74	2.17	2.56	8.98	13.63	9.81	28.73	24.92	27.12	0.97	14.74
5	12	2013	11	1	1	1.8	1.68	2.08	2.24	8.72	13.51	9.27	30.86	27.77	28.21	0.98	14.65
5	12	2013	12	1	1	1.56	1.54	1.84	2.02	7.99	13.2	8.54	32.81	34.99	28.73	0.97	14.51
5	12	2013	13	1	1	1.94	1.94	2.41	2.66	6.81	13.89	10.27	30.5	23.83	27.82	0.98	14.43
5	12	2013	14	1	1	1.68	1.64	2.1	2.47	7.68	13.5	9.27	29.98	22.84	25.85	0.99	14.39
5	12	2013	15	1	1	1.75	1.68	2.07	2.44	8.34	13.75	9.42	35.05	27	30.88	0.96	14.4
5	12	2013	16	1	1	1.52	1.4	1.77	2.18	6.7	13.88	8.15	31.71	32.72	26.4	0.95	14.46
5	12	2013	17	1	1	1.77	1.79	2.21	2.63	4.58	13.47	7.94	29.71	30.36	23.93	0.93	14.48
5	12	2013	18	1	1	1.47	1.44	1.75	2.03	4.57	13	7.34	32.1	33.19	24.08	0.93	14.56
5	12	2013	19	1	1	1.87	1.97	2.49	2.92	3.49	13.78	7.4	27.61	31.41	20.95	0.88	14.55
5	12	2013	20	1	1	1.72	1.76	2.19	2.73	3.24	14.33	6.52	28.25	31.09	21.85	0.93	14.54
5	12	2013	21	1	1	1.73	1.73	2.2	2.89	8.15	14.1	8.15	32.9	25.1	27.7	0.95	14.47
5	12	2013	22	1	1	1.5	1.43	1.83	2.19	5.27	14.07	7.7	32.21	25.28	25.36	0.95	14.39
5	12	2013	23	1	1	1.6	1.48	1.85	2.27	6.14	14.14	8.3	31.76	34.89	25.74	0.95	14.29
5	13	2013	0	1	1	1.51	1.5	1.87	2.32	5.26	13.39	7.41	27.82	34.52	22.26	0.94	14.2
5	13	2013	1	1	1	1.61	1.5	1.93	2.37	4.85	14.16	7.28	28.66	28.05	24.35	0.94	14.18
5	13	2013	2	1	1	1.63	1.53	2	2.38	6.07	14.07	8.36	26.57	32.26	22.12	0.94	14.22
5	13	2013	3	1	1	1.79	1.7	2.09	2.63	8.1	14.27	9.46	27.16	28.26	23.11	0.95	14.32
5	13	2013	4	1	1	1.8	1.74	2.29	2.65	7.38	14.47	8.66	29.83	26.84	26.74	0.96	14.42
5	13	2013	5	1	1	1.87	1.85	2.31	2.64	6.83	13.78	9.3	28.21	26.01	25.42	0.95	14.57
5	13	2013	6	1	1	1.86	1.81	2.31	3.26	7.74	13.82	9.36	25.7	27.38	22.56	0.97	14.73

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	13	2013	7	1	1	1.75	1.73	2.2	2.57	5.56	13.86	8.47	28.12	33.75	22.01	0.96	14.88
5	13	2013	8	1	1	1.96	1.92	2.38	3.24	6.07	14.36	8.84	24.25	33.37	20.7	0.96	14.9
5	13	2013	9	1	1	1.98	1.84	2.42	3.03	7.72	13.92	8.77	32.21	31.23	29.28	0.95	14.87
5	13	2013	10	1	1	2.16	2.1	2.52	3.09	6.56	14	9.77	27.94	32.29	25.54	0.96	14.78
5	13	2013	11	1	1	2.02	1.9	2.27	2.55	8.13	14.81	9.38	26.06	33.66	22.9	0.96	14.66
5	13	2013	12	1	1	1.97	1.89	2.32	2.67	6.7	13.67	8.35	26.29	36.04	22.63	0.96	14.58
5	13	2013	13	1	1	1.99	1.86	2.27	2.68	7.69	14.24	8.87	29.64	26.22	23.9	0.96	14.48
5	13	2013	14	1	1	2.11	2.02	2.57	3.02	8.34	14.56	9.92	28.79	23.64	25.38	0.98	14.4
5	13	2013	15	1	1	2.18	2.03	2.69	3.33	8.68	14.75	8.53	26.95	24.37	23.85	0.96	14.39
5	13	2013	16	1	1	2.02	1.86	2.34	3.07	8.42	14.15	8.57	28.96	30.87	23.42	0.94	14.39
5	13	2013	17	1	1	2.22	2.13	2.79	3.5	8.18	14.11	8.63	27.75	21.22	24.59	0.96	14.44
5	13	2013	18	1	1	2.35	2.36	2.88	3.86	5.43	14.23	9.43	30.41	20.28	26.34	0.95	14.48
5	13	2013	19	1	1	2.1	2.02	2.49	2.92	6.47	14.58	8.27	29.79	33.36	24.96	0.94	14.51
5	13	2013	20	1	1	2.17	2.18	2.67	3.16	5.45	14.9	8.52	27.98	27.79	24.33	0.95	14.52
5	13	2013	21	1	1	2.32	2.33	2.76	3.27	3.55	14.58	7.13	24.05	26.74	22.29	0.96	14.48
5	13	2013	22	1	1	2.53	2.57	3.21	3.75	4.69	14.5	8.9	26.06	21.33	22.8	0.9	14.42
5	13	2013	23	1	1	2.35	2.39	3.04	3.6	3.96	14.46	7.69	29.44	22.37	22.51	0.91	14.39
5	14	2013	0	1	1	2.33	2.41	3.24	4.1	3.84	14.12	7.87	26.5	24.29	21.7	0.92	14.25
5	14	2013	1	1	1	2.54	2.47	3.12	3.76	5.19	14.13	9.39	25.92	19.91	23.57	0.99	14.2
5	14	2013	2	1	1	2.58	2.38	2.95	4.36	7.86	14.66	11.08	24.42	23.54	22.94	0.96	14.22
5	14	2013	3	1	1	2.15	2.04	2.53	3.11	7.5	13.85	9.56	26.61	17.52	21.36	0.96	14.28
5	14	2013	4	1	1	2.5	2.52	3.11	3.67	5.29	14.14	9.46	22.94	23.27	20.24	0.96	14.4
5	14	2013	5	1	1	2.45	2.43	2.91	3.33	7.77	14.01	9.7	21.14	15.56	17.97	0.96	14.51
5	14	2013	6	1	1	2.38	2.28	2.73	3.09	8.81	14.58	9.75	21.93	25.6	20.38	0.98	14.66
5	14	2013	7	1	1	2.28	2.25	2.84	3.82	5.35	13.81	8.58	25.05	21.37	23.09	0.95	14.78
5	14	2013	8	1	1	2.34	2.28	2.72	3.62	5.54	13.6	9.17	23.25	33.01	19.75	0.97	14.84
5	14	2013	9	1	1	2.27	2.28	2.79	3.33	6.71	13.8	10.04	29.64	20.67	22.92	0.98	14.85
5	14	2013	10	1	1	2.27	2.2	2.83	3.1	8.53	13.33	9.9	19.22	33.84	18.66	0.97	14.83
5	14	2013	11	1	1	2.37	2.19	2.62	3.35	9.42	13.61	9.75	26.02	14.5	21.9	0.99	14.78
5	14	2013	12	1	1	2.15	2.09	2.43	2.59	7.57	13.43	9.75	26.7	22.52	21.91	0.97	14.65
5	14	2013	13	1	1	2.38	2.34	2.85	3.06	9.21	13.86	10.31	23.23	22.79	18.98	0.97	14.53
5	14	2013	14	1	1	2.1	2.04	2.52	3.8	6.43	13.38	8.61	24.17	31.89	20.66	0.97	14.47
5	14	2013	15	1	1	2.43	2.41	3.11	3.77	8.37	13.62	9.44	26.91	20.71	23.14	0.98	14.45
5	14	2013	16	1	1	2.31	2.2	2.7	2.95	7.76	13.6	9.3	29.51	27.07	22.17	0.99	14.44
5	14	2013	17	1	1	1.87	1.75	2.21	2.6	7.51	13.63	8.51	22.62	28.8	16.98	0.96	14.41
5	14	2013	18	1	1	2.15	2.05	2.5	3.18	6.02	12.91	8.44	23.09	30.75	19.36	0.97	14.47
5	14	2013	19	1	1	2.02	1.97	2.53	2.99	4.8	13.59	8.03	29.38	23.83	20.96	0.97	14.52
5	14	2013	20	1	1	1.95	1.84	2.27	2.79	5.03	13.21	7.3	20.17	32.14	17.5	0.97	14.55
5	14	2013	21	1	1	2.2	2.06	2.72	3.94	7.58	13.48	8.53	21.3	26.03	18.82	0.97	14.55
5	14	2013	22	1	1	2.29	2.21	2.74	3.03	6.21	13.21	9.24	27.06	25.66	21.92	0.97	14.45
5	14	2013	23	1	1	2.2	2.17	2.6	2.88	6.63	13.2	9.37	31.97	27.55	26.09	0.96	14.42
5	15	2013	0	1	1	2.06	2.02	2.6	3.63	6.09	13.06	8.36	22.25	29.01	16.62	0.95	14.35
5	15	2013	1	1	1	2.25	2.17	2.7	3.24	4.57	12.96	7.61	25.45	28.08	22.32	0.94	14.33
5	15	2013	2	1	1	2.24	2.21	2.85	3.55	5.85	13.43	8.67	26.12	27.18	19.37	0.95	14.29
5	15	2013	3	1	1	2.44	2.32	2.94	3.76	5.39	13.49	8.27	25.73	16.86	19.93	0.95	14.32

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	15	2013	4	1	1	1.99	2.05	2.57	3.65	4.32	14.52	7.85	28.77	33.23	18.63	0.92	14.37
5	15	2013	5	1	1	2.44	2.34	2.87	3.44	5.59	15.85	9.04	24.92	13.99	20.21	0.95	14.49
5	15	2013	6	1	1	2.12	1.96	2.43	2.87	7.31	13.17	8.53	22.68	30.27	17.71	0.92	14.61
5	15	2013	7	1	1	2.11	2.04	2.53	3.07	7.08	14.37	9.1	26.88	26.24	19.78	0.97	14.77
5	15	2013	8	1	1	2.22	2.11	2.69	3.26	7.83	15.82	8.69	26.47	26.02	22.04	0.97	14.86
5	15	2013	9	1	1	2.39	2.29	2.96	3.98	6.3	15.56	9.02	28.38	28.09	22.01	0.96	14.88
5	15	2013	10	1	1	2.62	2.49	3.06	3.81	6.57	16.29	9.3	27.86	29.63	22.91	0.97	14.83
5	15	2013	11	1	1	2.34	2.13	2.74	3.07	6.43	15.41	8.58	25.38	25.18	19.73	0.96	14.8
5	15	2013	12	1	1	2.44	2.32	2.89	3.31	8.05	16.06	9.97	26.93	27.83	22.53	0.96	14.72
5	15	2013	13	1	1	2.34	2.17	2.62	2.87	8.71	15.9	9.33	26.79	28.7	21.78	0.95	14.63
5	15	2013	14	1	1	2.29	2.22	2.71	3.39	8.54	15.13	10.06	26.98	28.54	21.47	0.96	14.51
5	15	2013	15	1	1	2.36	2.15	2.65	3.73	9.01	15.54	9.98	26.09	27.28	20.9	0.95	14.47
5	15	2013	16	1	1	2.34	2.24	2.85	3.89	8.45	15.78	9.93	23.61	22.19	20.06	0.95	14.45
5	15	2013	17	1	1	2.55	2.44	3.1	3.62	8.89	14.93	10.22	26.54	28.42	23.21	0.96	14.43
5	15	2013	18	1	1	2.17	2.06	2.52	3.08	7.06	15.36	9.31	19.29	35.13	17.44	0.96	14.45
5	15	2013	19	1	1	2.72	2.65	3.24	4.08	6.33	15.21	10.02	21.29	24.03	17.78	0.93	14.45
5	15	2013	20	1	1	2.44	2.26	3.08	3.89	6.67	15.2	8.16	25.96	24.99	21.03	0.96	14.49
5	15	2013	21	1	1	2.48	2.35	3.12	4.07	5.53	15.2	8.39	23.93	30.58	18.06	0.97	14.51
5	15	2013	22	1	1	2.74	2.6	3.38	4.19	6.46	15.19	9.52	21.06	26.47	19.71	0.97	14.5
5	15	2013	23	1	1	2.6	2.5	3.16	3.61	5.12	15.21	8.67	21.82	26.39	16.37	0.94	14.5
5	16	2013	0	1	1	2.95	2.75	3.46	4.27	5.21	14.93	8.8	23.27	23.1	18.82	0.93	14.43
5	16	2013	1	1	1	3.07	3.08	3.66	4.23	4.71	14.97	9.8	22.94	24.03	17.62	0.96	14.35
5	16	2013	2	1	1	2.72	2.67	3.23	3.87	6.68	14.74	10.95	22	26.65	18.89	0.96	14.33
5	16	2013	3	1	1	2.38	2.27	2.81	3.49	7.43	14.75	9.69	23.88	26.11	17.46	0.96	14.32
5	16	2013	4	1	1	2.4	2.3	2.81	3.12	7.9	14.66	10.09	24.16	31.65	19.05	0.96	14.37
5	16	2013	5	1	1	2.54	2.54	3.06	3.37	6.88	14.8	10.05	23.98	22.22	19.22	0.97	14.48
5	16	2013	6	1	1	2.58	2.44	2.88	3.47	9.48	15.02	10.73	28.34	22.03	23.16	0.97	14.54
5	16	2013	7	1	1	2.47	2.36	2.79	3.65	9.16	14.76	10.63	22.64	29.12	19.7	0.96	14.67
5	16	2013	8	1	1	2.43	2.36	3.11	3.83	7.61	14.25	9.43	24.63	23.12	19.03	0.95	14.77
5	16	2013	9	1	1	2.69	2.56	3.14	3.33	8.36	14.93	9.88	28.27	20.15	22.87	0.97	14.8
5	16	2013	10	1	1	2.16	1.98	2.92	3.21	7.04	14.69	10.47	26.13	37.7	18.28	0.94	14.89
5	16	2013	11	1	1	2.65	2.47	2.82	3.39	9.67	14.65	10.47	27.35	28.14	22.12	0.97	14.82
5	16	2013	12	1	1	2.26	2.07	2.67	3.06	7.33	13.77	9.16	24.79	33.77	20.66	0.96	14.77
5	16	2013	13	1	1	2.42	2.3	2.83	4.1	6.67	14.56	8.81	25.5	25.8	18.76	0.96	14.71
5	16	2013	14	1	1	2.36	2.29	2.74	3.41	7.66	14.4	10.12	25.17	23.96	19.98	0.95	14.61
5	16	2013	15	1	1	2.44	2.29	2.75	3.54	6.73	14.5	9.28	22.53	31.59	17.1	0.96	14.53
5	16	2013	16	1	1	2.18	2.07	2.64	3.04	7.26	14.1	9.31	19.48	26.08	15.6	0.98	14.5
5	16	2013	17	1	1	2.24	2.11	2.5	3.11	8.93	14.16	10.24	24.95	23.83	20.47	0.96	14.44
5	16	2013	18	1	1	2.31	2.16	2.73	3.34	8.33	14.26	9.59	24.91	22.72	16.62	0.97	14.44
5	16	2013	19	1	1	2.08	2.05	2.48	3.11	6.63	14.08	9.5	19.35	23.4	13.8	0.96	14.48
5	16	2013	20	1	1	2.06	2.03	2.59	3.06	5.72	14.11	8.98	21.26	29.89	14.51	0.95	14.51
5	16	2013	21	1	1	2.1	1.97	2.44	3.13	5.44	12.44	8.34	17.96	31.91	12.92	0.95	14.54
5	16	2013	22	1	1	2.13	2.11	2.79	3.36	5.81	12.71	8.18	15.31	31	13.63	0.98	14.54
5	16	2013	23	1	1	2.32	2.24	2.65	3.08	8.06	13.24	9.81	15.29	23.63	15.18	0.97	14.54
5	17	2013	0	1	1	2.26	2.28	2.85	3.4	6.2	12.92	9.43	17.78	27.61	13.63	0.96	14.49

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	17	2013	1	1	1	2.2	2.21	2.79	3.41	5.34	12.85	8.93	19.51	29.07	14.05	0.94	14.47
5	17	2013	2	1	1	2.19	2.1	2.66	3.25	7.26	13.06	8.96	15.27	32.11	13.06	0.95	14.41
5	17	2013	3	1	1	2.45	2.32	3.13	3.63	8.07	12.64	9.25	16.28	20.45	13.83	0.97	14.4
5	17	2013	4	1	1	2.31	2.16	2.71	3.1	7.61	13.53	9.4	24.8	16.34	14.83	0.97	14.4
5	17	2013	5	1	1	2.03	1.97	2.29	2.4	7	13.37	9.43	24.5	31.15	13.48	0.95	14.45
5	17	2013	6	1	1	1.76	1.7	2.12	2.78	8.35	12.39	8.46	21.21	36.32	15.66	0.95	14.51
5	17	2013	7	1	1	2.18	2.14	2.66	3.85	9.3	12.88	10.33	18.56	33.53	14.71	0.98	14.63
5	17	2013	8	1	1	1.85	1.76	2.2	2.6	8.45	12.04	9.36	16.77	33.18	10.96	0.96	14.7
5	17	2013	9	1	1	1.91	1.81	2.2	2.52	8.92	12.61	9.57	20.49	31.89	16.72	0.95	14.77
5	17	2013	10	1	1	2.05	1.96	2.49	3.2	8.01	12.87	9.33	16.26	29.53	13.64	0.97	14.8
5	17	2013	11	1	1	2.06	1.95	2.57	3.02	8.99	12.33	9.29	22.04	33.26	17	0.96	14.81
5	17	2013	12	1	1	2.23	2.2	2.72	3.16	9.42	12.89	10.45	15.42	29.55	15.54	0.98	14.8
5	17	2013	13	1	1	2.24	2.13	2.7	3.16	9.2	12.71	8.8	15.37	31.15	17.34	0.97	14.74
5	17	2013	14	1	1	1.99	1.88	2.39	2.97	7.83	12.02	9.39	13.28	31.43	9.72	0.95	14.66
5	17	2013	15	1	1	2.39	2.33	2.94	3.59	7.45	12.5	9.5	17.75	27.02	16.51	0.98	14.56
5	17	2013	16	1	1	2.32	2.26	2.86	3.45	8.56	12.25	9.11	17.55	29.54	14.99	0.96	14.5
5	17	2013	17	1	1	2.35	2.22	2.75	3.22	8.56	11.93	10.31	18.23	26.5	11.11	0.98	14.43
5	17	2013	18	1	1	2.37	2.29	2.87	3.63	7.38	12.57	8.82	15.88	23.98	15.05	0.96	14.4
5	17	2013	19	1	1	2.19	2.14	2.69	3.65	8.34	12.14	8.51	17.16	35.94	15.94	0.97	14.42
5	17	2013	20	1	1	2.38	2.32	2.85	3.28	8.33	12.59	9.13	17.26	23.18	16.24	0.97	14.45
5	17	2013	21	1	1	2.19	2.05	2.66	3.46	7.81	12.44	8.29	19.36	29.79	14.53	0.97	14.48
5	17	2013	22	1	1	2.17	2.12	2.52	2.74	7.69	12.21	9.14	19.64	30.72	13.65	0.96	14.52
5	17	2013	23	1	1	2.45	2.27	2.87	4.17	8.26	11.88	8.56	14.54	29.19	12.9	0.96	14.53
5	18	2013	0	1	1	2.59	2.5	3.34	4.3	6.9	12.28	8.63	16.9	21.78	13.87	0.96	14.5
5	18	2013	1	1	1	2.47	2.3	2.68	3.18	6.11	12.35	8.53	16.01	30.42	15.3	0.98	14.47
5	18	2013	2	1	1	2.67	2.6	3.23	3.99	7.75	12.36	9.09	11.27	30.7	11.45	0.98	14.47
5	18	2013	3	1	1	2.86	2.79	3.42	4.4	8.4	11.94	9.8	16.6	11.95	14.26	0.99	14.43
5	18	2013	4	1	1	2.31	2.17	2.79	3.32	7.28	12.45	8.35	12.93	27.79	12.86	0.98	14.4
5	18	2013	5	1	1	2.34	2.21	2.83	3.89	7.91	12.55	8.52	12.2	29.32	12.86	0.98	14.44
5	18	2013	6	1	1	2.57	2.53	3.34	4.54	6.98	12.3	8.94	15.1	32.09	13.51	0.97	14.45
5	18	2013	7	1	1	2.64	2.52	3	3.25	8.84	12.28	9.59	12.47	24.15	14.58	0.98	14.51
5	18	2013	8	1	1	2.5	2.43	3.15	3.98	7.73	11.96	9.52	13.38	23.16	12.94	0.98	14.6
5	18	2013	9	1	1	2.51	2.35	2.9	3.42	7.96	11.97	9.12	9.72	19.8	12.43	0.97	14.67
5	18	2013	10	1	1	2.27	2.18	2.83	3.26	8.01	11.69	9.24	6.27	32.61	9.39	0.98	14.73
5	18	2013	11	1	1	2.41	2.41	2.98	3.81	5.04	11.89	8.53	10.57	31.61	11.14	0.94	14.78
5	18	2013	12	1	1	2.37	2.37	2.97	3.42	5.52	12.18	9.17	8.54	27.44	9.33	0.96	14.77
5	18	2013	13	1	1	2.26	2.21	2.61	3.23	4.7	11.69	8.33	15.02	26.94	15.47	0.95	14.74
5	18	2013	14	1	1	2.42	2.26	2.9	3.92	4.05	11.65	8.27	7.36	27.14	12.39	0.94	14.66
5	18	2013	15	1	1	2.18	2.13	2.83	3.89	5.74	11.76	7.98	10.53	31.42	13.79	0.95	14.6
5	18	2013	16	1	1	2.17	2.09	2.61	3.69	6.33	12.26	7.96	9.5	34.43	12.64	0.95	14.49
5	18	2013	17	1	1	2.22	2.12	2.8	3.96	6.13	12.34	7.67	12.42	30.19	14.5	0.98	14.4
5	18	2013	18	1	1	2.2	2.1	2.75	3.65	4.68	11.61	7.54	8.74	33.44	12.28	0.95	14.37
5	18	2013	19	1	1	2.69	2.57	3.1	3.9	3.53	13.09	6.96	5.77	29.57	13.83	0.92	14.34
5	18	2013	20	1	1	2.54	2.61	3.31	3.94	4.04	12.2	7.63	8.53	32.62	10.56	0.93	14.37
5	18	2013	21	1	1	2.31	2.2	2.87	4.06	4.06	12.88	6.78	8.86	32.03	12.38	0.94	14.39

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectionality index	Mean Pressure
5	18	2013	22	1	1	2.33	2.32	2.79	3.29	4.64	12.51	7.77	8.08	32.51	10.97	0.94	14.44
5	18	2013	23	1	1	2.33	2.3	2.89	3.3	6.57	11.68	8.74	6.49	29.78	13.81	0.96	14.47
5	19	2013	0	1	1	2.14	2.05	2.49	2.74	5.13	11.5	7.42	6.63	34.55	10.85	0.97	14.5
5	19	2013	1	1	1	2.43	2.42	3.11	3.48	4.95	12.78	7.89	12.71	33.2	12.59	0.94	14.52
5	19	2013	2	1	1	2.19	2.1	2.67	3.16	4.41	11.59	7.02	10.07	27.09	12.98	0.97	14.51
5	19	2013	3	1	1	2.47	2.43	3.06	3.58	5.69	13.52	8.02	25.95	18.47	14.41	0.95	14.49
5	19	2013	4	1	1	2.37	2.29	2.9	3.44	4.18	12.08	6.75	9.45	31.09	10.13	0.96	14.45
5	19	2013	5	1	1	2.55	2.41	3.09	3.66	5.17	12.6	7.48	13.05	27.59	14.88	0.92	14.44
5	19	2013	6	1	1	2.32	2.19	2.93	3.68	5.75	12.73	7.36	10.04	32.98	12.4	0.97	14.43
5	19	2013	7	1	1	2.39	2.13	2.59	3.02	7.69	12.05	7.94	12.75	27.47	10.28	0.97	14.45
5	19	2013	8	1	1	2.39	2.3	3.07	3.98	4.86	12.28	6.97	10.17	32.39	11.36	0.98	14.49
5	19	2013	9	1	1	2.44	2.34	2.85	3.41	4.23	13.38	7.32	21.89	29.08	10.59	0.95	14.57
5	19	2013	10	1	1	2.44	2.28	2.82	3.28	6.15	12	7.73	10.17	30.4	9.67	0.98	14.64
5	19	2013	11	1	1	2.33	2.16	2.76	3.71	6.5	12.53	8.01	15.16	33.82	10.73	0.96	14.72
5	19	2013	12	1	1	2.28	2.16	2.81	3.41	5.66	12.73	7.36	16.56	27.33	14.81	0.97	14.76
5	19	2013	13	1	1	2.09	1.99	2.58	3.08	7.39	13.73	7.93	26.47	21.51	13.09	0.97	14.74
5	19	2013	14	1	1	2.05	1.91	2.5	3.09	7.2	12.45	7.44	17.37	30.44	14.6	0.97	14.69
5	19	2013	15	1	1	2.02	1.96	2.4	3.28	6.97	12.81	8.24	14.72	30.87	13.7	0.97	14.61
5	19	2013	16	1	1	1.95	1.89	2.35	2.72	7.12	11.79	7.84	17.79	28.93	13.92	0.97	14.49
5	19	2013	17	1	1	1.9	1.81	2.26	2.89	7.38	12.48	8.24	18.25	31.38	15.53	0.97	14.4
5	19	2013	18	1	1	1.8	1.65	2.11	2.63	5.66	12.34	6.89	23.15	27.86	14.93	0.97	14.35
5	19	2013	19	1	1	2.19	2.06	2.66	3.89	3.96	12.81	6.58	20.69	27.04	17.26	0.95	14.3
5	19	2013	20	1	1	1.77	1.75	2.29	2.68	4.79	12.1	6.9	21.29	29.64	11.23	0.96	14.31
5	19	2013	21	1	1	1.69	1.58	2.02	2.6	5.43	12.55	7.24	25.15	29.04	17.91	0.96	14.35
5	19	2013	22	1	1	1.7	1.61	1.91	2.18	5.88	12.6	7.36	24.81	31.45	16.33	0.97	14.38
5	19	2013	23	1	1	1.66	1.55	2.1	3.05	5.81	11.92	6.89	19.79	32.87	16.43	0.96	14.47
5	20	2013	0	1	1	1.68	1.61	2.06	2.58	5.7	13.06	6.71	21.06	37.1	19.04	0.93	14.55
5	20	2013	1	1	1	1.9	1.9	2.3	2.77	2.97	12.27	5.92	23.59	27.81	16.43	0.89	14.55
5	20	2013	2	1	1	1.62	1.56	2.06	2.72	5.1	13.07	7.13	22.6	32.08	17.71	0.95	14.58
5	20	2013	3	1	1	1.9	1.9	2.34	3.04	2.99	14.45	5.88	33.53	33.98	17.65	0.87	14.58
5	20	2013	4	1	1	1.74	1.68	2.19	2.61	5.49	13.69	6.99	36.08	26.61	19.18	0.95	14.55
5	20	2013	5	1	1	1.69	1.64	2.03	2.36	5.45	13.19	7.78	21.7	31.03	17.98	0.97	14.51
5	20	2013	6	1	1	1.8	1.6	2.09	2.37	6.1	14.42	6.98	32.19	27.31	20.75	0.97	14.49
5	20	2013	7	1	1	1.75	1.65	1.99	2.5	7.03	13.34	8.19	33.4	29.39	20.66	0.96	14.44
5	20	2013	8	1	1	1.79	1.7	2.17	3.04	4.46	14.07	6.6	34.06	25.63	17.86	0.93	14.44
5	20	2013	9	1	1	1.81	1.68	2.06	2.46	5.16	13.51	7.33	32.25	14.38	20.47	0.96	14.5
5	20	2013	10	1	1	1.85	1.82	2.25	2.82	3.34	13.17	5.66	33.01	34.68	20.82	0.93	14.56
5	20	2013	11	1	1	1.72	1.65	2.06	2.82	3.6	13.01	5.82	24.78	41.62	14.67	0.94	14.64
5	20	2013	12	1	1	1.45	1.32	1.72	2.34	6.58	13.43	6.71	35.34	33.58	17.5	0.96	14.72
5	20	2013	13	1	1	1.53	1.39	1.69	2.57	6.11	13.66	7.1	35.29	28.71	17.81	0.97	14.74
5	20	2013	14	1	1	1.49	1.41	1.79	2.38	4.24	13.92	6.12	29.82	34.36	17.03	0.94	14.72
5	20	2013	15	1	1	1.47	1.37	1.66	2.08	6.3	15.28	7.47	36.37	41.26	20.74	0.95	14.68
5	20	2013	16	1	1	1.6	1.5	1.92	2.3	5.7	13.87	7.02	31.51	21.44	18.62	0.96	14.58
5	20	2013	17	1	1	1.48	1.33	1.58	1.86	6.41	13.71	6.8	34.58	28.57	19.17	0.97	14.45
5	20	2013	18	1	1	1.59	1.57	2.08	2.83	4.55	14.39	7.08	32.52	34.54	20.21	0.96	14.36

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	20	2013	19	1	1	1.42	1.27	1.68	2.52	5.4	13.78	6.46	34.61	36.69	18.37	0.94	14.28
5	20	2013	20	1	1	1.44	1.37	1.67	2.03	4.46	13.15	6.19	28.83	35.11	14.28	0.94	14.24
5	20	2013	21	1	1	1.65	1.55	2.01	2.45	4.78	14.03	6.83	33.93	21.23	19.31	0.95	14.27
5	20	2013	22	1	1	1.44	1.27	1.7	2.35	6.06	15.13	6.49	36.71	39.02	18.81	0.95	14.32
5	20	2013	23	1	1	1.49	1.35	1.74	2.35	6.51	14.24	7.05	33.8	31.83	20.55	0.96	14.38
5	21	2013	0	1	1	1.29	1.16	1.49	1.83	6.34	14.54	6.57	36.27	39.34	16.04	0.95	14.5
5	21	2013	1	1	1	1.55	1.49	1.93	2.39	6.15	14.34	7.35	32.19	26.7	20.28	0.95	14.59
5	21	2013	2	1	1	1.53	1.43	1.83	2.46	5.42	14.23	7.06	30.49	25.55	19.87	0.96	14.67
5	21	2013	3	1	1	1.65	1.66	2.12	2.47	4.16	13.57	6.97	35.37	29.27	20.48	0.95	14.7
5	21	2013	4	1	1	1.51	1.46	1.82	2.4	4.92	14.5	7.25	33.21	31.15	19.12	0.96	14.69
5	21	2013	5	1	1	1.73	1.84	2.16	2.55	2.82	14.07	6.02	32.66	37.9	18.25	0.9	14.62
5	21	2013	6	1	1	1.41	1.3	1.61	2.17	5.09	13.69	6.37	33.28	33.57	17.06	0.93	14.53
5	21	2013	7	1	1	1.58	1.5	1.88	2.33	5.25	13.51	6.59	35.72	37.48	17.94	0.96	14.48
5	21	2013	8	1	1	1.98	2.12	2.59	3.51	2.6	13.79	5.56	32.99	30.3	17	0.94	14.44
5	21	2013	9	1	1	1.41	1.28	1.56	1.84	6.33	13.96	6.91	29.46	33.7	16.79	0.97	14.44
5	21	2013	10	1	1	1.52	1.43	1.79	2.85	5.67	14	6.87	33.01	31.01	20.7	0.97	14.48
5	21	2013	11	1	1	1.54	1.43	1.93	2.42	4.94	14.18	6.43	36.53	26.07	22.52	0.94	14.56
5	21	2013	12	1	1	1.5	1.36	1.66	2.19	6.19	14.45	6.72	31.89	31.97	23.98	0.97	14.64
5	21	2013	13	1	1	1.44	1.3	1.67	2.27	6.38	13.53	6.85	34.18	31.34	19.66	0.98	14.73
5	21	2013	14	1	1	1.41	1.28	1.57	2	6.42	13.82	7	30.25	32.73	20.05	0.97	14.79
5	21	2013	15	1	1	1.46	1.34	1.62	2.05	6.42	14.08	6.76	37.81	31.42	23.06	0.95	14.73
5	21	2013	16	1	1	1.63	1.56	2	2.54	5.81	14.09	7.19	32.06	27.46	21.67	0.97	14.61
5	21	2013	17	1	1	1.45	1.34	1.63	2.3	5.43	14.14	6.72	29.72	33.24	19.17	0.96	14.54
5	21	2013	18	1	1	1.38	1.25	1.56	1.99	5.27	14.02	6.2	34.27	35.6	19.28	0.96	14.41
5	21	2013	19	1	1	1.59	1.47	1.86	2.04	4.69	13.54	6.55	32.22	31.78	21.89	0.96	14.3
5	21	2013	20	1	1	1.64	1.49	1.9	2.22	4.85	14.49	6.35	33.47	26.82	22.76	0.96	14.21
5	21	2013	21	1	1	1.55	1.37	1.76	2.26	5.28	14.53	6.33	31.12	27.94	22.25	0.95	14.19
5	21	2013	22	1	1	1.56	1.48	1.81	2.34	5.33	13.81	6.92	34.52	33.95	22.16	0.95	14.23
5	21	2013	23	1	1	1.52	1.43	1.86	2.05	6.68	13.89	7.53	30.62	31.86	21.59	0.95	14.34
5	22	2013	0	1	1	1.59	1.42	1.76	2.1	6.78	14.51	6.92	33.79	32.9	22.72	0.96	14.47
5	22	2013	1	1	1	1.63	1.55	1.85	2.08	6.34	14.31	7.97	34.58	18.19	26.36	0.98	14.59
5	22	2013	2	1	1	1.61	1.46	1.91	2.29	6.28	13.32	7.19	28.68	31.27	21.54	0.97	14.71
5	22	2013	3	1	1	1.58	1.43	1.87	2.71	6.6	14.15	7.19	31.76	22.79	22.97	0.98	14.75
5	22	2013	4	1	1	1.47	1.38	1.67	2.1	5.46	14.42	6.97	32.51	39.73	22.2	0.96	14.8
5	22	2013	5	1	1	1.59	1.49	1.83	2.1	6.4	15.65	7.29	33.91	28.35	21.46	0.95	14.79
5	22	2013	6	1	1	1.62	1.48	1.96	2.37	7.25	16.4	8.24	29.1	24.8	18.76	0.95	14.68
5	22	2013	7	1	1	1.6	1.43	1.98	2.51	7.12	16.96	7.1	31.4	21.74	20.71	0.95	14.57
5	22	2013	8	1	1	1.8	1.63	2.18	2.72	7.67	15.55	7.78	31.06	27.59	23.86	0.95	14.46
5	22	2013	9	1	1	1.91	1.77	2.22	2.68	5.82	15.97	7.81	34.89	29.43	24.84	0.93	14.4
5	22	2013	10	1	1	1.68	1.51	1.94	2.48	6.46	15.58	7.61	30.51	36.11	20.1	0.97	14.4
5	22	2013	11	1	1	2.08	1.98	2.54	3.36	6.03	15.3	8.27	33.15	25.98	25.78	0.93	14.46
5	22	2013	12	1	1	1.97	1.81	2.41	3.02	8.42	15.93	8.23	30.68	23.92	23.58	0.97	14.51
5	22	2013	13	1	1	1.95	1.83	2.28	3.18	7.37	15.73	8.99	32.75	24.58	24.86	0.96	14.65
5	22	2013	14	1	1	2.11	2	2.56	3.44	7.29	15.91	9.04	33.37	24.75	26.23	0.96	14.67
5	22	2013	15	1	1	2.35	2.35	3	3.77	7.64	15.66	9.96	31.36	16.66	26.74	0.98	14.73

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	22	2013	16	1	1	2.47	2.38	2.86	3.44	5.11	15.8	8.73	32.11	21.08	27.16	0.94	14.69
5	22	2013	17	1	1	2.32	2.14	2.99	3.36	9.44	16.03	9.69	30.07	23.76	25.72	0.96	14.56
5	22	2013	18	1	1	2.53	2.41	3.15	3.62	7.27	15.97	9.29	29.18	24.46	23.82	0.97	14.46
5	22	2013	19	1	1	2.66	2.56	3.19	3.78	8.63	15.59	10.33	32.94	12.97	27.57	0.96	14.3
5	22	2013	20	1	1	2.86	2.76	3.21	3.74	9.32	15.77	10.49	32.73	15.5	27.86	0.95	14.2
5	22	2013	21	1	1	2.67	2.63	3.19	3.75	7.38	15.22	9.95	29.61	25.71	26.31	0.95	14.15
5	22	2013	22	1	1	2.51	2.34	3.12	3.49	6.94	15.71	8.46	32.82	22.84	24.98	0.95	14.13
5	22	2013	23	1	1	2.69	2.63	3.5	4.13	6.95	15.86	9.66	31.5	13.69	26.21	0.94	14.21
5	23	2013	0	1	1	2.99	3.09	3.9	4.75	7.79	15.42	11.99	35.38	0	27.51	0.96	14.36
5	23	2013	1	1	1	2.84	2.99	3.8	4.73	5.89	15.39	9.99	31.2	12.16	26.95	0.97	14.53
5	23	2013	2	1	1	2.56	2.46	3.22	3.98	4.88	15.03	8.51	30.11	21.31	24.53	0.92	14.7
5	23	2013	3	1	1	2.82	2.73	3.39	4.12	4.14	15.18	7.81	33	19.11	25.57	0.95	14.85
5	23	2013	4	1	1	2.75	2.67	3.25	4.09	3.95	14.64	8.15	32.42	22.84	23.97	0.89	14.89
5	23	2013	5	1	1	2.42	2.32	2.92	3.54	6.36	15.08	9.41	34.63	24.63	30.51	0.94	14.88
5	23	2013	6	1	1	2.69	2.61	3.13	3.6	7.57	15.12	10.3	33.08	22.84	27.87	0.96	14.82
5	23	2013	7	1	1	2.68	2.59	3.21	3.85	8.67	15.12	9.9	32.26	18.88	26.16	0.96	14.73
5	23	2013	8	1	1	2.5	2.32	2.89	3.46	6.35	15.12	8.69	32.7	18.5	27.32	0.94	14.59
5	23	2013	9	1	1	2.59	2.41	2.97	3.4	6.47	14.93	9.4	30.52	16.25	25.49	0.96	14.45
5	23	2013	10	1	1	2.44	2.39	3.03	3.56	7.16	14.95	9.2	34.4	23.29	27.99	0.98	14.35
5	23	2013	11	1	1	2.79	2.61	3.37	3.96	6.91	15.05	9.73	31.01	18.1	25.91	0.96	14.37
5	23	2013	12	1	1	2.4	2.32	2.73	2.96	8.77	14.65	10.55	26.68	22.93	23.07	0.95	14.45
5	23	2013	13	1	1	2.45	2.26	3.1	4	8.15	14.84	9.44	31.26	21.3	24.61	0.96	14.56
5	23	2013	14	1	1	2.34	2.24	2.74	3.03	6.72	15.05	9.5	31.04	23.05	26.27	0.96	14.65
5	23	2013	15	1	1	1.96	1.84	2.27	2.99	6.89	13.84	8.58	31.58	32.42	24.6	0.95	14.75
5	23	2013	16	1	1	2.15	2.02	2.47	2.82	8.12	14.69	9.17	30.41	25.51	26.08	0.94	14.72
5	23	2013	17	1	1	2.52	2.4	3.07	3.83	8.7	14.59	9.88	31.73	19.41	28.25	0.98	14.64
5	23	2013	18	1	1	2.28	2.17	2.76	3.16	8.1	14.54	9.78	28.7	19.68	24.27	0.97	14.56
5	23	2013	19	1	1	2.54	2.52	3.17	3.78	5.86	14.85	9	30.41	21.96	26.54	0.97	14.4
5	23	2013	20	1	1	2.47	2.31	2.91	3.71	7.42	14.88	9.26	27.82	18.92	23.11	0.96	14.23
5	23	2013	21	1	1	2.79	2.77	3.39	3.98	7.23	14.98	9.71	26.3	15.72	23.72	0.96	14.1
5	23	2013	22	1	1	2.74	2.54	3.23	3.79	7.7	14.38	9.37	30.92	21.86	26.21	0.95	14.07
5	23	2013	23	1	1	2.65	2.61	3.15	3.91	6.3	14.92	9.49	27.17	20.59	23.61	0.97	14.13
5	24	2013	0	1	1	2.58	2.5	2.98	3.66	9.06	15.28	11.13	30.92	18.78	27.49	0.96	14.22
5	24	2013	1	1	1	2.71	2.62	3.39	4.21	6.64	14.99	9.9	27.59	17.46	25.97	0.97	14.38
5	24	2013	2	1	1	2.61	2.67	3.29	4.08	5.32	14.99	9.94	28.25	16.87	24.32	0.95	14.57
5	24	2013	3	1	1	2.59	2.52	2.96	3.3	6.38	14.82	9.82	31.5	23.33	27.79	0.96	14.77
5	24	2013	4	1	1	2.36	2.3	2.89	4.32	5.5	15.08	8.95	28.78	23.08	24.56	0.93	14.91
5	24	2013	5	1	1	2.57	2.55	3.14	3.59	5.55	14.94	8.41	30.78	25.56	27.01	0.92	14.96
5	24	2013	6	1	1	2.42	2.41	2.97	3.51	3.81	14.63	8.08	27.57	30.9	21.43	0.9	14.91
5	24	2013	7	1	1	2.52	2.39	2.95	3.65	6.35	14.66	9.2	28.75	26.78	23.08	0.95	14.83
5	24	2013	8	1	1	2.57	2.46	2.92	3.13	8.54	15.41	9.9	28.72	20.52	25.72	0.95	14.67
5	24	2013	9	1	1	2.59	2.48	3.12	3.42	7.89	15.62	9.68	27.96	22.75	24.48	0.97	14.5
5	24	2013	10	1	1	2.9	2.81	3.52	4.3	8.98	15.73	10.99	29.64	19.22	24.79	0.98	14.39
5	24	2013	11	1	1	2.87	2.76	3.18	3.48	9.78	15	11	29	18.83	25.24	0.98	14.31
5	24	2013	12	1	1	2.79	2.73	3.29	3.89	9.52	15.57	10.1	28.97	14.34	23.94	0.96	14.32

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	24	2013	13	1	1	2.62	2.54	3.15	3.89	7.29	15.72	9.2	28.49	24.14	22.35	0.96	14.42
5	24	2013	14	1	1	2.69	2.64	3.42	3.93	7.26	15.97	9.25	27.84	23.39	21.58	0.96	14.54
5	24	2013	15	1	1	2.89	3.01	3.64	3.93	7.07	15.34	10.95	28.76	22.53	22.84	0.98	14.65
5	24	2013	16	1	1	2.58	2.65	3.28	4.07	6.5	14.46	9.63	24.25	21.09	20.68	0.96	14.7
5	24	2013	17	1	1	3.06	2.97	3.81	4.41	8.98	15.3	10.29	22.9	24.67	19.04	0.97	14.68
5	24	2013	18	1	1	2.92	2.8	3.15	3.34	10.25	15.05	11.95	25.69	22.57	22.18	0.98	14.61
5	24	2013	19	1	1	2.74	2.67	3.09	3.63	6.78	14.97	10.67	25.01	24.1	20.58	0.93	14.45
5	24	2013	20	1	1	2.98	2.95	3.57	4.48	8.72	14.55	11.58	26.86	19.78	23.06	0.97	14.31
5	24	2013	21	1	1	2.45	2.32	2.87	3.53	5.91	14.81	8.38	25.73	26.36	20.75	0.93	14.17
5	24	2013	22	1	1	2.71	2.73	3.46	4.09	9.67	15.15	10.84	20.9	21.79	21.45	0.96	14.03
5	24	2013	23	1	1	2.99	2.94	3.58	3.81	9.65	15.04	12.22	25.6	14.5	21.67	0.96	13.97
5	25	2013	0	1	1	2.99	3.03	3.88	4.77	8.47	15.11	12.2	24.76	20.08	24.13	0.97	14.08
5	25	2013	1	1	1	2.62	2.54	3.16	3.73	9.39	14.76	9.77	24.82	23.18	21.73	0.97	14.22
5	25	2013	2	1	1	2.98	3.07	3.87	4.18	9.37	15.08	11.96	28.38	21.52	27.11	0.96	14.41
5	25	2013	3	1	1	3.02	2.94	3.46	4.36	9.43	14.84	11.39	24.51	21.39	23.11	0.96	14.63
5	25	2013	4	1	1	2.47	2.4	2.95	3.38	6.48	14.32	9.4	29.39	24.27	22.96	0.92	14.85
5	25	2013	5	1	1	2.9	2.78	3.38	4.31	7.73	15.03	10.56	23.6	25.58	22.2	0.97	14.97
5	25	2013	6	1	1	2.53	2.44	3.05	3.79	7.95	14.67	9.76	24.8	32.13	20.98	0.97	15.01
5	25	2013	7	1	1	2.62	2.51	3.25	4.13	8.99	14.97	10.47	20.67	23.47	18.67	0.97	14.97
5	25	2013	8	1	1	2.58	2.38	3.03	3.97	7.91	15.04	9.75	25.26	23.51	21.71	0.96	14.85
5	25	2013	9	1	1	2.84	2.7	3.71	4.4	6.58	15.02	9.51	29.96	27.53	24.95	0.96	14.65
5	25	2013	10	1	1	3.04	2.94	3.64	4.52	9.41	14.85	10.58	22.5	21.17	21.74	0.97	14.45
5	25	2013	11	1	1	3.03	3.13	3.95	4.49	9	14.49	11.33	25.83	25.82	23.91	0.97	14.34
5	25	2013	12	1	1	2.31	2.2	2.8	3.37	7.87	14.34	8.89	25.8	25.77	21.72	0.96	14.28
5	25	2013	13	1	1	2.6	2.45	3.01	3.44	8.54	15.03	10.54	24.88	25.18	19.8	0.96	14.33
5	25	2013	14	1	1	2.84	2.75	3.26	3.65	8.64	14.62	11.22	25.18	20.67	22.81	0.98	14.39
5	25	2013	15	1	1	2.43	2.37	3.01	4.18	7.21	14.87	9.1	19.47	30.72	15.48	0.99	14.49
5	25	2013	16	1	1	2.19	2.13	2.62	3.5	5.53	14.28	8.16	24.24	30.91	19.83	0.95	14.63
5	25	2013	17	1	1	2.67	2.58	3.25	3.93	6.42	14.84	8.7	24.3	28.76	22.75	0.98	14.71
5	25	2013	18	1	1	2.51	2.4	3.04	3.25	7.58	14.25	9.32	24.03	20.03	19.96	0.96	14.69
5	25	2013	19	1	1	2.44	2.37	2.75	3.16	5.81	14.55	9.55	23.15	26.52	20.25	0.95	14.6
5	25	2013	20	1	1	2.51	2.33	3.19	3.57	5.37	14.88	8.25	25.08	24.25	21.46	0.94	14.44
5	25	2013	21	1	1	2.59	2.51	3.27	4.43	7.5	14.68	9.83	22.91	20.08	18.32	0.97	14.26
5	25	2013	22	1	1	2.69	2.62	3.3	4.12	9.17	14.8	10.55	23	23.02	22.27	0.97	14.11
5	25	2013	23	1	1	2.46	2.38	3.02	3.61	7.79	14.37	10.1	23.8	23.68	22.08	0.96	14.02
5	26	2013	0	1	1	2.42	2.33	3.01	4.01	8.84	13.84	10.34	22.63	23.74	20.17	0.97	14.01
5	26	2013	1	1	1	2.04	1.9	2.36	3.06	8.08	13.23	8.85	26.37	31.53	24.18	0.94	14.11
5	26	2013	2	1	1	2.34	2.23	2.76	3.31	9.42	13.94	9.78	24.52	20.51	21.22	0.97	14.27
5	26	2013	3	1	1	2.08	2.01	2.5	3.04	8.42	13.59	9.67	24.74	24.39	21.27	0.97	14.49
5	26	2013	4	1	1	1.9	1.82	2.16	2.68	8.64	13.79	9.4	27.61	32.4	21.62	0.94	14.74
5	26	2013	5	1	1	2.05	1.95	2.35	2.88	8.31	14.5	10.07	22.42	22.78	18.32	0.97	14.91
5	26	2013	6	1	1	2.09	1.98	2.57	2.74	7.66	14.08	8.81	24.05	19.93	19.31	0.97	15.05
5	26	2013	7	1	1	1.84	1.71	2.16	2.62	6.99	13.75	7.99	17.22	35.82	15.39	0.97	15.07
5	26	2013	8	1	1	2.18	2.14	2.66	3.02	8.43	13.29	10.49	22.65	31.14	20.11	0.98	14.93
5	26	2013	9	1	1	1.99	2.05	2.66	3.67	5.82	13.41	8.23	21.3	31.69	18.25	0.97	14.81

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectionality index	Mean Pressure
5	26	2013	10	1	1	1.97	1.89	2.39	2.9	6.83	13.79	8.3	23.95	23.47	19.02	0.97	14.6
5	26	2013	11	1	1	1.9	1.82	2.35	2.81	7.74	12.97	8.07	19.89	29.54	16.21	0.97	14.41
5	26	2013	12	1	1	1.9	1.84	2.25	2.89	8.27	13.55	8.75	17.83	25.01	13.64	0.97	14.29
5	26	2013	13	1	1	1.72	1.57	2	2.5	7.32	13.32	7.83	23.64	37.82	15.49	0.96	14.23
5	26	2013	14	1	1	1.84	1.77	2.21	2.91	7.97	13.49	8.46	21.15	29.75	15.12	0.96	14.26
5	26	2013	15	1	1	1.83	1.74	2.22	2.58	7.89	13.13	8.56	20.73	29.61	14.71	0.98	14.36
5	26	2013	16	1	1	1.79	1.73	2.12	2.67	6.2	13.17	8.85	19.22	34.16	15.05	0.97	14.46
5	26	2013	17	1	1	1.78	1.7	2	2.21	8.23	13.31	8.5	21.52	32.3	17.04	0.97	14.58
5	26	2013	18	1	1	1.68	1.57	2.1	2.42	7.45	13.31	8.45	17.48	33.66	16.73	0.97	14.65
5	26	2013	19	1	1	1.58	1.41	1.81	2.33	7.56	13.32	7.49	28.41	39.77	20.33	0.97	14.62
5	26	2013	20	1	1	1.56	1.47	1.73	2.13	6.63	13.32	8.27	17.04	36.64	14.95	0.96	14.55
5	26	2013	21	1	1	1.72	1.61	2.03	2.31	6.46	12.75	8.16	20.8	32.81	15.25	0.96	14.34
5	26	2013	22	1	1	1.56	1.54	1.94	2.32	6.86	12.73	8.63	24.06	31.34	19.42	0.97	14.2
5	26	2013	23	1	1	1.66	1.57	1.95	2.44	8.25	13.09	8.98	22.16	28.44	19.9	0.97	14.06
5	27	2013	0	1	1	1.69	1.6	2.1	2.52	8.59	13.11	9.03	22.97	33.84	18.92	0.97	13.93
5	27	2013	1	1	1	1.38	1.33	1.7	2.17	7.18	12.38	7.85	27.59	36.91	20.49	0.95	14
5	27	2013	2	1	1	1.43	1.35	1.72	2.1	7.64	12.72	8.02	17.34	34.39	13.81	0.96	14.08
5	27	2013	3	1	1	1.47	1.43	1.75	2.17	6.76	12.65	8.25	16.63	36.23	13.92	0.97	14.28
5	27	2013	4	1	1	1.55	1.45	1.78	2.05	7.96	13.12	9.12	23.22	39.41	21.29	0.97	14.51
5	27	2013	5	1	1	1.55	1.48	1.8	2.19	7.59	12.83	7.8	18.05	30.69	16.01	0.97	14.73
5	27	2013	6	1	1	1.54	1.42	1.79	2.24	7.96	12.27	8.23	18.16	31.48	13.83	0.97	14.96
5	27	2013	7	1	1	1.32	1.24	1.53	1.95	6.23	12.24	7.51	22.13	37.35	17.58	0.98	15.03
5	27	2013	8	1	1	1.36	1.31	1.54	1.81	7.87	12.29	8.23	23.12	40.14	16.77	0.97	15.04
5	27	2013	9	1	1	1.4	1.34	1.68	2.21	5.83	12.63	7.85	23.6	31.85	18.06	0.97	14.97
5	27	2013	10	1	1	1.31	1.27	1.59	1.99	7.81	12.42	8.15	18.72	30.94	15.73	0.97	14.81
5	27	2013	11	1	1	1.51	1.41	1.76	2.12	8.16	12.08	8.6	19.7	24	16.19	0.98	14.58
5	27	2013	12	1	1	1.21	1.11	1.49	1.96	7.25	12.12	7.27	13.05	33.55	11.08	0.97	14.41
5	27	2013	13	1	1	1.4	1.28	1.61	2.07	6.29	12.64	6.86	18.38	31.29	14.36	0.97	14.23
5	27	2013	14	1	1	1.34	1.24	1.62	2.28	6.92	12.21	6.89	22.93	32.24	17.09	0.97	14.24
5	27	2013	15	1	1	1.29	1.22	1.57	1.93	6.53	12.06	7.21	20.66	35.06	13.95	0.98	14.26
5	27	2013	16	1	1	1.35	1.28	1.66	1.98	5.88	12.07	7.24	18.31	30.02	13.78	0.98	14.32
5	27	2013	17	1	1	1.32	1.23	1.57	2.02	5.83	12.16	6.99	17.63	30	14.11	0.98	14.49
5	27	2013	18	1	1	1.28	1.18	1.41	1.59	6.61	12.05	7.46	17.23	36.01	15.23	0.97	14.57
5	27	2013	19	1	1	1.15	1.06	1.31	1.67	5.68	11.55	6.48	12.96	38.95	13.45	0.97	14.64
5	27	2013	20	1	1	1.34	1.32	1.69	2.06	4.67	11.65	7.19	19.55	31.69	15.91	0.98	14.62
5	27	2013	21	1	1	1.25	1.16	1.55	1.84	5.66	11.49	6.54	12.33	34.31	10.86	0.98	14.47
5	27	2013	22	1	1	1.33	1.27	1.54	1.7	6.15	11.94	7.8	24.98	28.38	20.52	0.98	14.38
5	27	2013	23	1	1	1.24	1.18	1.53	1.84	4.62	11.3	6.28	12.02	33.06	14.76	0.97	14.24
5	28	2013	0	1	1	1.23	1.11	1.35	1.66	6.28	12.29	7.24	16.89	34.13	16.28	0.96	14.07
5	28	2013	1	1	1	1.27	1.17	1.5	2.36	6.49	12.3	7.04	23.19	29.79	17.99	0.99	14.03
5	28	2013	2	1	1	1.27	1.11	1.52	2.04	6.98	12.36	6.98	17.8	32.72	16.69	0.98	14.05
5	28	2013	3	1	1	1.28	1.15	1.5	1.96	6.94	12.86	7.41	24.97	29.3	24.05	0.97	14.13
5	28	2013	4	1	1	1.28	1.19	1.54	1.91	6.71	12.2	7.11	25.3	27.19	21.05	0.97	14.33
5	28	2013	5	1	1	1.38	1.28	1.71	2.21	6.28	12.33	6.97	26.31	27.01	21.87	0.97	14.54
5	28	2013	6	1	1	1.33	1.23	1.54	1.8	5.75	12.66	6.93	24.64	26.39	19.05	0.97	14.76

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	28	2013	7	1	1	1.34	1.28	1.66	2.23	4.52	13.24	6.73	32.02	29.51	23.56	0.96	14.98
5	28	2013	8	1	1	1.29	1.21	1.6	2.05	4.7	13.99	6.77	37.27	37.37	24.65	0.94	15.03
5	28	2013	9	1	1	1.46	1.37	1.78	2.39	6.73	13.6	7.62	32.37	23.76	22.86	0.98	15.05
5	28	2013	10	1	1	1.51	1.44	1.93	2.31	5.61	12.96	7.62	26.35	29.55	21.47	0.95	14.96
5	28	2013	11	1	1	1.55	1.49	1.96	2.41	5.46	13.9	7.06	32.51	30.41	26.41	0.96	14.77
5	28	2013	12	1	1	1.57	1.5	1.85	2.33	5.45	13.47	7.32	33.79	26.07	28.11	0.97	14.58
5	28	2013	13	1	1	1.55	1.46	1.84	2.25	7.01	13.07	8.01	28.99	31.21	23.04	0.98	14.38
5	28	2013	14	1	1	1.72	1.54	1.87	2.15	5.86	13.72	7.72	34.35	23.32	26.65	0.96	14.26
5	28	2013	15	1	1	1.78	1.71	2.12	2.48	6.44	14.61	8.5	32.96	26.79	26.8	0.96	14.23
5	28	2013	16	1	1	1.87	1.71	2.25	2.72	8.34	14.6	8.62	33.85	24.16	25.73	0.97	14.27
5	28	2013	17	1	1	1.67	1.58	1.83	2.19	7.97	13.6	9.68	29.73	27.3	23.27	0.95	14.36
5	28	2013	18	1	1	1.81	1.65	2.15	2.76	7.54	14.05	8.56	32.23	30.58	28.35	0.97	14.47
5	28	2013	19	1	1	1.82	1.82	2.27	2.59	5.29	14.21	8.33	29.83	22.54	23.61	0.93	14.59
5	28	2013	20	1	1	1.95	1.86	2.36	3.05	7.19	14.09	9.15	33.71	20.18	26.82	0.93	14.61
5	28	2013	21	1	1	1.85	1.71	2.18	2.56	5.47	14.38	7.91	32.92	17.64	27.09	0.94	14.62
5	28	2013	22	1	1	1.74	1.75	2.27	2.77	5.51	14.04	8.79	33.95	23.4	24.85	0.94	14.53
5	28	2013	23	1	1	1.85	1.78	2.19	2.56	7.54	14.21	9.3	32.67	24.83	26.58	0.96	14.38
5	29	2013	0	1	1	1.95	1.89	2.32	2.86	6.57	14.84	9.6	32.08	23.62	27.43	0.96	14.25
5	29	2013	1	1	1	1.99	1.99	2.57	3.12	5.44	14.92	8.76	33.87	21	27.01	0.96	14.12
5	29	2013	2	1	1	1.98	1.94	2.34	2.88	5.4	14.34	8.29	30.98	20.19	24.56	0.94	14.07
5	29	2013	3	1	1	2.11	2.14	2.63	2.86	6.64	14.84	10.06	32.82	21.78	28.23	0.97	14.13
5	29	2013	4	1	1	2.16	2.02	2.48	3.09	7.51	14.99	9.04	32.83	19.82	29.79	0.95	14.22
5	29	2013	5	1	1	1.91	1.72	2.25	2.82	7.56	14.67	8.06	30.87	21.46	25.15	0.96	14.43
5	29	2013	6	1	1	2.07	1.98	2.41	3.19	5.76	14.67	8.48	29.42	26.7	23.57	0.96	14.6
5	29	2013	7	1	1	1.94	1.78	2.24	2.77	7.6	14.65	7.94	33.24	24.14	25.65	0.94	14.82
5	29	2013	8	1	1	2.11	2.12	2.64	2.99	7.69	14.6	9.51	30.06	12.38	23.39	0.94	14.96
5	29	2013	9	1	1	2.03	1.97	2.51	3.09	5.1	14.39	7.71	32.24	17.04	22.77	0.92	15.01
5	29	2013	10	1	1	1.83	1.74	2.19	2.83	5.6	14.8	7.16	31.64	29.46	23.87	0.94	14.99
5	29	2013	11	1	1	2.3	2.23	2.8	3.32	5.91	14.91	8.65	31.99	22.45	26.59	0.95	14.89
5	29	2013	12	1	1	1.82	1.67	2.06	2.52	7.69	13.54	7.78	35.46	23.33	26.86	0.95	14.74
5	29	2013	13	1	1	2.03	1.95	2.83	2.88	5.68	13.99	8.57	29.15	20.06	22.54	0.96	14.59
5	29	2013	14	1	1	2.37	2.26	2.93	4.3	6.13	14.31	8.82	33.05	21.02	27.85	0.97	14.4
5	29	2013	15	1	1	1.8	1.64	2.1	2.97	7.84	13.68	7.87	27.9	22.78	22.27	0.93	14.28
5	29	2013	16	1	1	2.11	1.98	2.42	2.82	7.52	14.13	9	30.93	17.35	24.56	0.95	14.22
5	29	2013	17	1	1	1.94	1.82	2.21	2.99	7.82	13.56	7.93	28.8	24.92	22.19	0.96	14.22
5	29	2013	18	1	1	1.82	1.68	2.09	2.69	7.33	13.29	8.13	30.86	22.46	25.34	0.95	14.31
5	29	2013	19	1	1	1.92	1.83	2.39	3.09	5.33	13.42	7.76	30.34	25.28	23.24	0.96	14.44
5	29	2013	20	1	1	2.04	1.96	2.4	2.72	6.21	13.74	8.43	30.87	22.43	25.34	0.92	14.58
5	29	2013	21	1	1	2.03	1.81	2.48	3.15	7.04	13.33	7.95	29.21	24.2	23.25	0.96	14.63
5	29	2013	22	1	1	1.79	1.68	2.09	2.56	5.96	13.72	7.82	28.67	27.31	24.48	0.95	14.62
5	29	2013	23	1	1	2.08	2.09	2.73	3.22	6.17	13.5	8.65	31.52	16.37	23.72	0.94	14.52
5	30	2013	0	1	1	2.06	1.97	2.5	3.23	5.21	13.55	7.63	33.83	21.83	25.35	0.93	14.45
5	30	2013	1	1	1	1.91	1.86	2.27	3.38	3.99	12.91	6.97	28.99	23.84	23.01	0.93	14.3
5	30	2013	2	1	1	1.86	1.79	2.29	3.07	4.71	12.93	7.41	29.97	24.85	25.1	0.95	14.21
5	30	2013	3	1	1	1.86	1.8	2.27	2.62	5.34	13.27	7.43	25.16	27.45	19.94	0.96	14.17

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
5	30	2013	4	1	1	2.19	2.27	2.69	3.48	4.78	13.13	8.64	30.27	17.73	23.18	0.95	14.23
5	30	2013	5	1	1	1.93	1.87	2.42	3.01	3.93	13.21	6.78	27.91	25.59	20.32	0.96	14.34
5	30	2013	6	1	1	1.84	1.77	2.23	2.72	5.64	13.48	7.8	31.37	30.88	20.95	0.97	14.47
5	30	2013	7	1	1	2.03	1.9	2.46	3.25	6.87	13.13	7.97	28.98	21.35	24.3	0.96	14.64
5	30	2013	8	1	1	1.87	1.82	2.26	2.68	7.23	12.88	8.93	29.48	19.59	23.78	0.96	14.8
5	30	2013	9	1	1	1.99	1.92	2.37	2.83	7.73	14.38	8.78	31.22	20.1	22.82	0.97	14.93
5	30	2013	10	1	1	1.88	1.78	2.12	2.61	6.25	12.94	7.78	27.49	29.5	22.4	0.96	14.97
5	30	2013	11	1	1	2.09	2.02	2.65	2.95	7.2	13.71	8.81	29.37	19.68	23.26	0.96	14.96
5	30	2013	12	1	1	2.06	1.93	2.39	2.64	6.79	13.33	8.45	26.38	28.16	18.77	0.96	14.87
5	30	2013	13	1	1	2.24	2.14	2.72	3.3	7.24	14.25	8.76	29.5	23.89	24.85	0.97	14.72
5	30	2013	14	1	1	2.22	2.17	2.73	3.08	7.43	14.17	9.49	25.62	23.67	20.76	0.96	14.55
5	30	2013	15	1	1	2.08	1.96	2.34	2.65	8.69	14.55	9.43	23.57	20.95	19.15	0.97	14.36
5	30	2013	16	1	1	2.02	1.93	2.38	2.74	6.09	13.68	8.69	21.47	23.89	18.61	0.95	14.28
5	30	2013	17	1	1	2.34	2.25	2.75	3.57	7.45	14.58	9.71	20.39	19.81	18.62	0.95	14.21
5	30	2013	18	1	1	2.32	2.08	2.68	3.84	7.33	14.3	8.64	20.46	14.09	19.48	0.99	14.25
5	30	2013	19	1	1	2.58	2.4	3.16	4.43	4.67	14.73	7.26	17.52	22.73	17.78	0.94	14.32
5	30	2013	20	1	1	2.34	2.27	2.85	3.81	6.24	14.3	8.92	19.64	26.95	16.55	0.96	14.43
5	30	2013	21	1	1	2.46	2.34	3.05	4.01	5.78	14.29	8.49	17.52	19.93	15	0.98	14.52
5	30	2013	22	1	1	2.55	2.51	3.27	3.94	3.72	14.75	6.66	16.19	26.75	15.86	0.86	14.61
5	30	2013	23	1	1	2.47	2.42	3.02	3.56	6	14.31	9.04	15.66	21.65	14.93	0.97	14.59
5	31	2013	0	1	1	2.62	2.44	2.91	3.87	4.89	14.67	8.97	18.65	20.82	16.85	0.94	14.54
5	31	2013	1	1	1	2.53	2.41	3.26	4.24	5.85	14.23	9.22	16.53	31.73	13.31	0.98	14.45
5	31	2013	2	1	1	2.24	2.29	2.86	3.23	4.71	14.41	8.19	12.58	25.89	9.82	0.92	14.36
5	31	2013	3	1	1	2.38	2.41	2.95	3.33	4.88	14.16	7.75	19.06	24.92	15.13	0.96	14.31
5	31	2013	4	1	1	2.77	2.63	3.38	3.86	5.56	13.75	9.19	14.9	16.82	12.05	0.97	14.26
5	31	2013	5	1	1	2.66	2.66	3.35	3.74	7.67	14.16	9.55	11.48	20.52	11.49	0.98	14.31
5	31	2013	6	1	1	2.35	2.27	2.77	3.48	7.86	14.13	9.58	17.14	25.66	16.77	0.9	14.39
5	31	2013	7	1	1	2.49	2.41	2.93	3.29	9.46	13.51	10.22	14.18	13.66	12.53	0.97	14.48
5	31	2013	8	1	1	2.08	2	2.53	3.14	7.52	13.3	8.72	9.84	35.53	9.01	0.96	14.66
5	31	2013	9	1	1	2.32	2.28	2.77	3.36	9.13	13.62	9.87	12	17.8	13.13	0.97	14.79
5	31	2013	10	1	1	1.88	1.85	2.34	2.59	8.64	13.34	9.08	17.9	38.72	12.04	0.95	14.89
5	31	2013	11	1	1	2.29	2.28	2.81	3.19	7.72	13.16	10.13	13.76	32.6	12.02	0.98	14.93
5	31	2013	12	1	1	2.27	2.17	2.65	3.11	8.15	13.24	9.62	9.3	33.29	10.87	0.98	14.9
5	31	2013	13	1	1	2.32	2.23	2.93	4.23	7.44	13.24	10.17	10.27	31.07	8.84	0.97	14.84
5	31	2013	14	1	1	2.19	2.17	2.8	3.2	7.24	13.18	9.11	14.55	24.86	13.88	0.98	14.71
5	31	2013	15	1	1	2.43	2.39	3.07	3.56	7.25	13.26	9.17	13.14	26.68	12.03	0.98	14.53
5	31	2013	16	1	1	2.12	2.03	2.49	2.88	8.91	12.63	8.97	10.57	36.8	10.07	0.98	14.35
5	31	2013	17	1	1	2.16	2.08	2.56	3.05	7.69	12.82	9.35	12.77	31.21	13.48	0.97	14.27
5	31	2013	18	1	1	1.94	1.84	2.35	2.84	7.35	12.59	7.93	11.57	33.82	11.7	0.98	14.19
5	31	2013	19	1	1	2.26	2.29	2.78	3.39	3.65	12.06	7.64	11.36	33.19	9.62	0.92	14.25
5	31	2013	20	1	1	2.23	2.18	2.76	3.55	5.22	12.86	8.78	12.11	31.13	11.69	0.97	14.32
5	31	2013	21	1	1	1.69	1.64	2.03	2.45	5.15	12.84	7.32	11.48	40.86	10.61	0.95	14.44
5	31	2013	22	1	1	1.97	1.93	2.37	2.72	5.8	12.21	7.83	16.48	33.61	15.56	0.96	14.52
5	31	2013	23	1	1	2.03	1.98	2.42	3.12	4.89	12.32	7.43	15.78	33.29	14.11	0.97	14.56
6	1	2013	0	1	1	2.06	1.96	2.5	3.64	7.35	12.95	7.35	17.01	34.08	15	0.96	14.6

Month	Day	Year	Hour	Minute	Second	Significant height (Hs) (m)	Mean 1/3 height (H3) (m)	Mean 1/10 height (H10) (m)	Maximum height (Hmax) (m)	Mean period (Tm02) (s)	Peak period (Tp) (s)	Mean zero-crossing period (Tmean) (s)	Peak direction (DirTp) (deg)	Directional spread (Spr1) (deg)	Mean direction (Mdir) (deg)	Unidirectivity index	Mean Pressure
6	1	2013	1	1	1	2.19	2.24	2.79	3.69	4.13	12.03	7.38	15.35	27.34	12	0.96	14.55
6	1	2013	2	1	1	2.15	2.1	2.53	3.42	3.64	12.18	6.03	12.54	34.12	11.27	0.92	14.53
6	1	2013	3	1	1	2.01	1.97	2.48	2.94	4.26	11.63	6.48	10.31	36.77	10.55	0.97	14.45
6	1	2013	4	1	1	2.28	2.18	2.71	3.14	3.9	11.57	6.28	13.15	26.39	13.83	0.95	14.34
6	1	2013	5	1	1	2.03	1.94	2.53	3.5	4.51	11.59	6.51	11.6	25.91	10.77	0.96	14.34
6	1	2013	6	1	1	1.96	1.85	2.27	2.74	5.62	11.58	6.6	17.05	28.6	15.59	0.98	14.34
6	1	2013	7	1	1	1.79	1.67	2.18	3.07	5.59	11.57	6.86	13.12	30.74	12.09	0.98	14.38
6	1	2013	8	1	1	1.81	1.72	2.2	2.73	6.35	11.71	7.09	12.59	33.51	12.65	0.98	14.49
6	1	2013	9	1	1	1.71	1.6	1.98	2.38	5.74	11.71	6.76	15.68	33.28	14.75	0.98	14.61
6	1	2013	10	1	1	1.65	1.57	1.95	2.32	5.51	11.42	6.5	15.32	40.77	13.01	0.98	14.71
6	1	2013	11	1	1	1.9	1.8	2.21	2.87	5.33	11.68	6.86	21.04	47.16	17.58	0.97	14.78



ANEXO B. Validación de resultados teóricos de altura de ola

De un conjunto de observaciones realizadas por TYPESA entre abril y junio del 2013 (adjuntada en el Anexo A), se obtuvo las siguientes relaciones de altura de ola (altura significativa, promedio del tercio superior, promedio del decimo superior y máxima altura), periodos (periodo principal y pico) y dirección (dirección principal y pico). Estas observaciones fueron realizadas en puntos de control establecidos por TYPESA a una profundidad de 13.50 metros, mayor a profundidad correspondiente a la zona de rotura hallada en el análisis de oleaje.

Con el objetivo de hacer comparaciones entre datos reales y resultados del análisis, las observaciones in situ deben compararse en un mismo punto (profundidad). Para ordenar aquellos datos de una manera útil, se procedió con un análisis estadístico y probabilístico. Dicho proceso se realizó con el software EasyFit, en el cual se probaron todas las distribuciones posibles y se eligió aquella que mejor adaptara el grueso de los datos.

a. Altura de ola

El resultado para la lectura de máximas alturas de ola se presenta en la figura A-1. La distribución que mejor ajuste tenía era la función de distribución Beta.

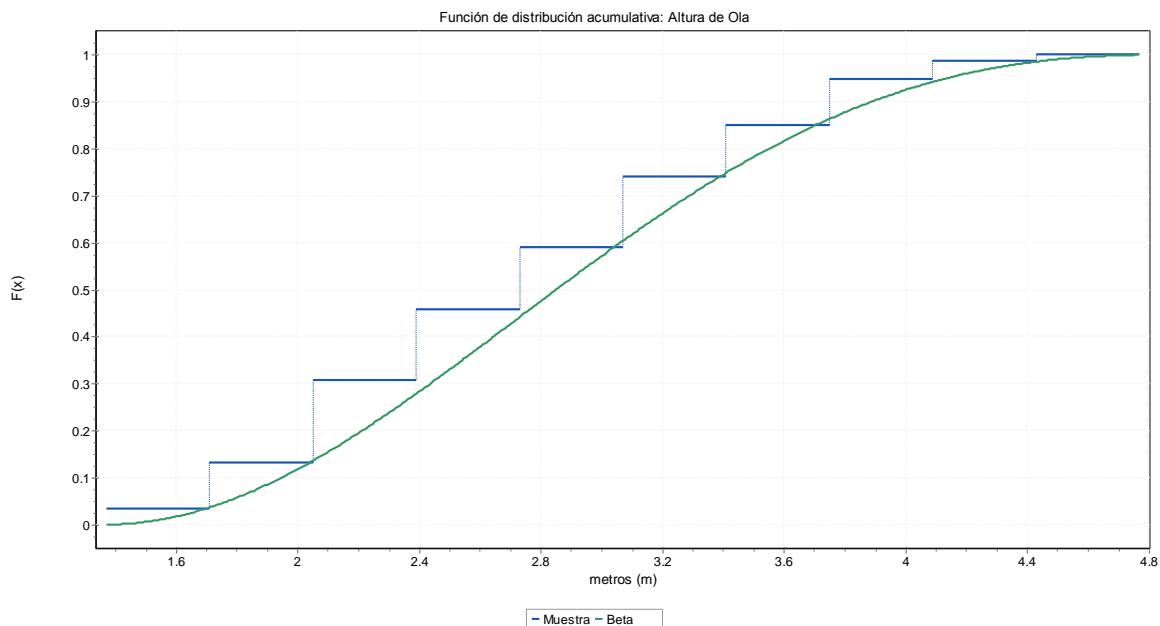


Figura A-1. Función de distribución acumulada para altura de ola

Se observa que el 50% de los resultados se encuentran sobre los 2.80 metros de altura. Un 10% se encuentra sobre los 4.00 metros. Al contrastar los resultados con el análisis, se verifica que los valores corresponden a un régimen medio y están cercanos a los valores calculados de forma analítica, utilizando las gráficas de Goda y Weggel y las observaciones en aguas profundas.

En la figura A-2 se observa la función de densidad de altura de ola. Los valores más recurrentes se encuentran en los rangos de 2.4 a 3.2 metros. Sin embargo, también existen olas con alturas entre los 4.40 y 4.80 metros las cuales sugieren la presencia de eventos extremos de poca duración.

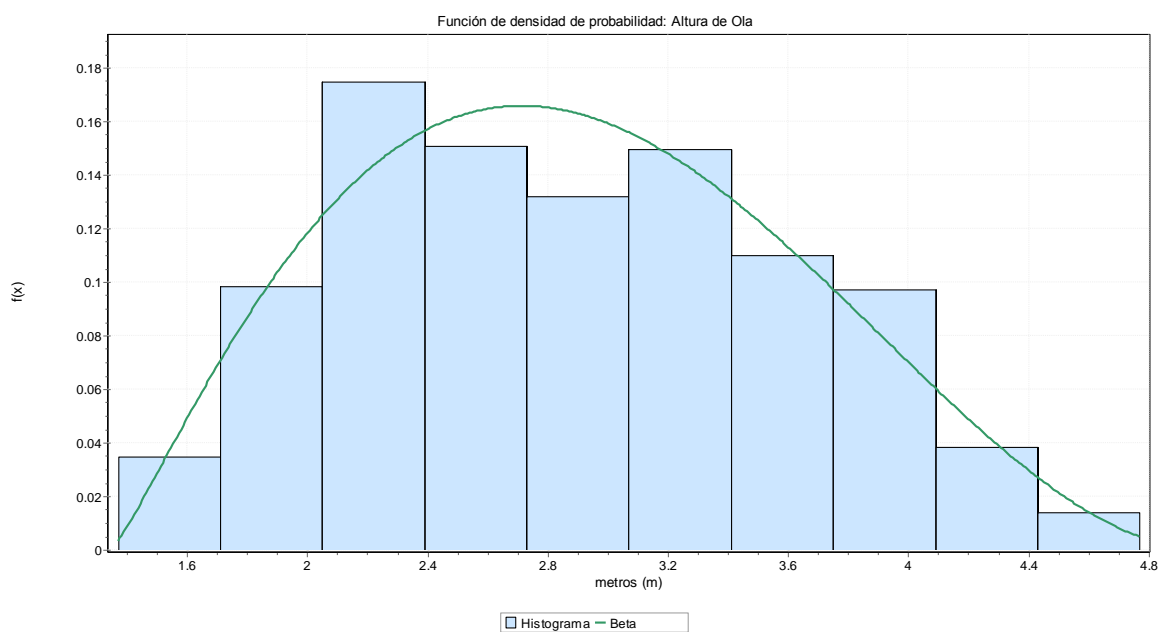


Figura A-2. Función de densidad de probabilidad para altura de ola

Al consultar las observaciones del Anexo A y ordenar los valores de alturas máximas mayores a la altura del régimen extremal ($H_S=4.23$ m), se observó que tales alturas de ola sucedían en un mismo día y en intervalos de 2 horas seguidas o en espacios de 5 a 6 horas (ver tabla A-1). Por lo tanto no es seguro afirmar si se trata de una situación sostenida o asilada.

No obstante, al comparar la cantidad de datos, la mayoría de estos entran dentro de las características del régimen medio, lo cual sugiere a grandes rasgos que los valores hallados analíticamente para cada régimen son correctos.

Para hallar la desviación de los datos obtenidos por medio del análisis, los resultados de altura de ola expuestos en la figura A-1 y A-2 deben ser propagados a la profundidad en la que inicia la zona de rompientes.

Tabla A- 1 Alturas máximas de ola mayores a H_s extremal

Month	Day	Hour	Significant height (H_s) (m)	Mean 1/3 height (H_3) (m)	Mean 1/10 height (H_{10}) (m)	Maximum height (H_{max}) (m)
5	31	1	2.53	2.41	3.26	4.24
5	31	13	2.32	2.23	2.93	4.23
5	30	19	2.58	2.4	3.16	4.43
5	29	14	2.37	2.26	2.93	4.3
5	25	0	2.99	3.03	3.88	4.77
5	25	10	3.04	2.94	3.64	4.52
5	25	11	3.03	3.13	3.95	4.49
5	25	21	2.59	2.51	3.27	4.43
5	25	9	2.84	2.7	3.71	4.4
5	25	3	3.02	2.94	3.46	4.36
5	25	5	2.9	2.78	3.38	4.31
5	24	20	2.98	2.95	3.57	4.48
5	24	17	3.06	2.97	3.81	4.41
5	24	4	2.36	2.3	2.89	4.32
5	24	10	2.9	2.81	3.52	4.3
5	23	0	2.99	3.09	3.9	4.75
5	23	1	2.84	2.99	3.8	4.73
5	18	6	2.57	2.53	3.34	4.54
5	18	3	2.86	2.79	3.42	4.4
5	18	0	2.59	2.5	3.34	4.3
5	16	0	2.95	2.75	3.46	4.27
5	16	1	3.07	3.08	3.66	4.23
5	14	2	2.58	2.38	2.95	4.36
5	3	5	2.37	2.37	3.16	4.67
5	2	18	2.53	2.61	3.4	4.36
5	1	7	2.96	2.55	3.42	4.61
4	30	15	2.53	2.61	3.36	4.63
4	30	4	2.89	2.83	3.77	4.61
4	30	20	2.85	2.73	3.28	4.57
4	29	9	2.18	2.27	2.85	4.28

Al ordenar los valores de las observaciones correspondientes al tercio superior de olas $H_{S(1/3)}$ se obtuvo un valor de 2.42 m.

b. Periodo de ola

En la siguiente grafica A-3 se muestran los periodos pico, que son compatibles con los registrados en la zona de toma de datos iniciales. Es importante recordar que el periodo es una característica principal de un tren de olas y su valor es independiente de su ubicación e invariable en toda la propagación.

En la gráfica se observan valores de periodo correspondientes al régimen medio (T promedio de 14 segundos) y al régimen extremal (mayores a 16 segundos). El promedio de la muestra es de 13.6 segundos. Para el análisis se usará un periodo de 15.5 como se hizo con el régimen medio.

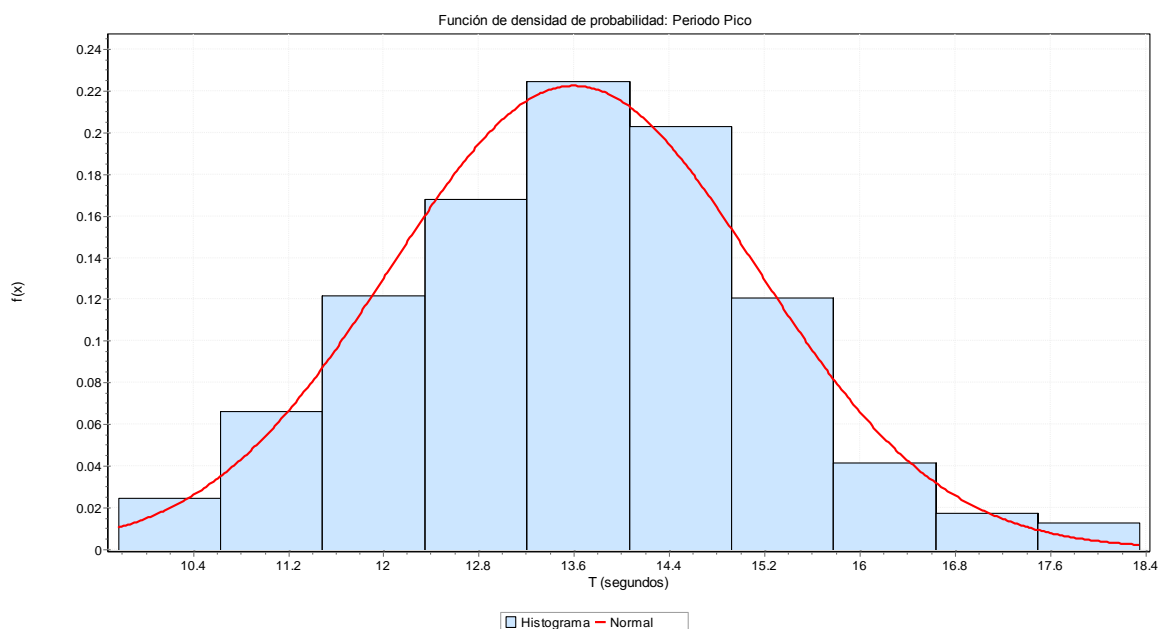


Figura A-3. Función de densidad de probabilidad para periodo pico

c. Dirección de ola

En la figura A-4 se muestran las direcciones predominantes de los trenes de ola, muy parecidas a los valores registrados en las rosas de oleaje del capítulo 4 (figuras 4-6 y 4-7), las cuales presentan direcciones entre los 18° y 45° . La dirección principal de un tren de olas suele variar según la batimetría local por el fenómeno descrito como refracción.

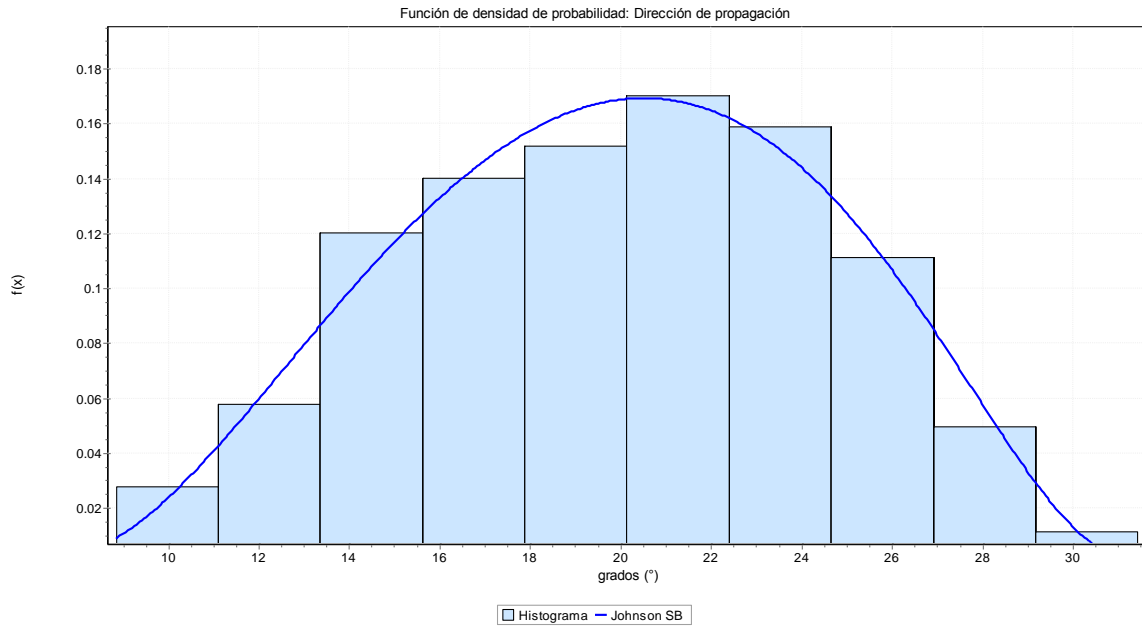


Figura A-4. Función de densidad de probabilidad para dirección principal

Con esta información y líneas batimétricas cercanas a la profundidad de registro (ver figura A-5), se pueden hacer comprobaciones de las olas en la zona de surf mediante los análisis de reflexión, asomeramiento y difracción, respecto a aquellos valores propagados de forma analítica mediante las investigaciones de Goda (1970) y Weggel (1972).

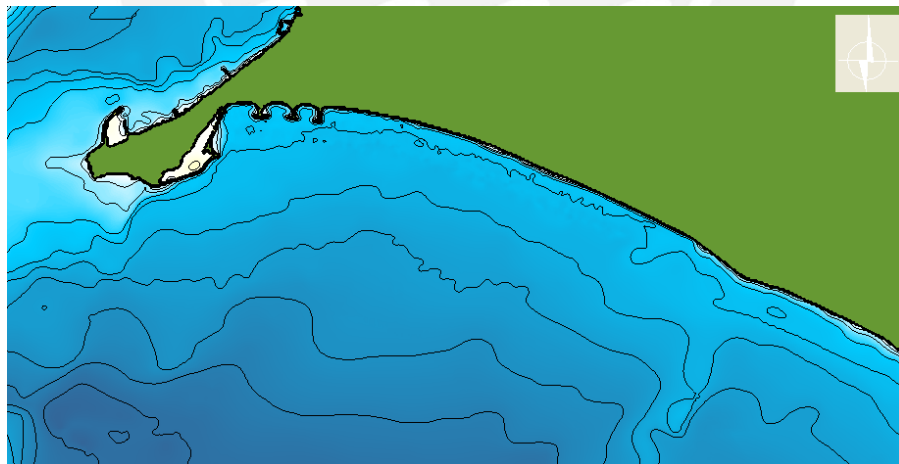


Figura A-5. Líneas batimétricas en profundidades intermedias

Debido a la cantidad de datos disponibles, se deben seleccionar los más representativos para realizar el análisis de propagación a la zona de surf y hacer la comparación con los datos obtenidos en aguas profundas y transportados a aguas someras.

De los datos obtenidos del informe de TYPASA sabemos que a 13.5 metros de profundidad. Para el análisis siguiente, se utilizarán los valores pertenecientes al Régimen Medio a fin de disminuir los márgenes de error posibles.

d. Cálculo de altura de ola propagada

- Coeficiente de Shoaling K_S

Debido a que los datos de observaciones se encuentran cerca de la zona de surf, la ola, según su profundidad relativa, puede estar en el rango de aguas intermedias o aguas someras. Un primer cálculo demuestra que no pertenece al segundo grupo y por descarte se confirma que todas las observaciones están en el grupo de aguas intermedias.

El primer cálculo utilizó la siguiente fórmula (ecuación 3-5) para la longitud de ola en aguas someras.

$$L = T\sqrt{gd}$$

Como resultado se obtiene un valor de $L=188.02$ m, y una profundidad relativa de $d/L=0.08$. Este valor no cumple con los rangos para aguas intermedias expuestos en el ítem 3.2.1.3.a ($d/L < 1/25$).

Luego se procede a un cálculo iterativo utilizando la fórmula de propagación para aguas intermedias (revisar fórmula 3-2).

$$L = \frac{gT^2}{2\pi} \tanh\left(\frac{2\pi d}{L}\right)$$

Mediante un cálculo de tanteos y con valores de profundidad 15 m y periodo de 15.5 s, se obtuvo que la longitud de ola es 180.13 metros y su pendiente es de 0.08 cumpliendo con que $1/25 < d/L < 1/2$ para dicho rango. Luego, conociendo que la altura promedio del tercio superior de alturas de ola es de 2.42, se tiene que la inclinación de la ola H_o'/L_o es de 0.01.

En aguas someras, el valor de la longitud de onda es dado por la expresión 3-5 y se sabe que la altura de ola del régimen extremal rompe a una profundidad de 4.08 m. con una altura H_o' de 3.71 m (ver tabla 4-5). Se obtuvo que la longitud de onda correspondientes es de $L=188.02$ m. La relación d/L (o h/L_o en términos de la gráfica) es de 0.02 por lo que cumple la condición de aguas someras.

Luego, con un valor de H_o/L_o de 0.02 y una profundidad relativa de 0.01 se obtiene, de la gráfica 3-10 (ítem 3.2.1.4), un coeficiente de shoaling $K_S=1.55$ (ver figura A-6).

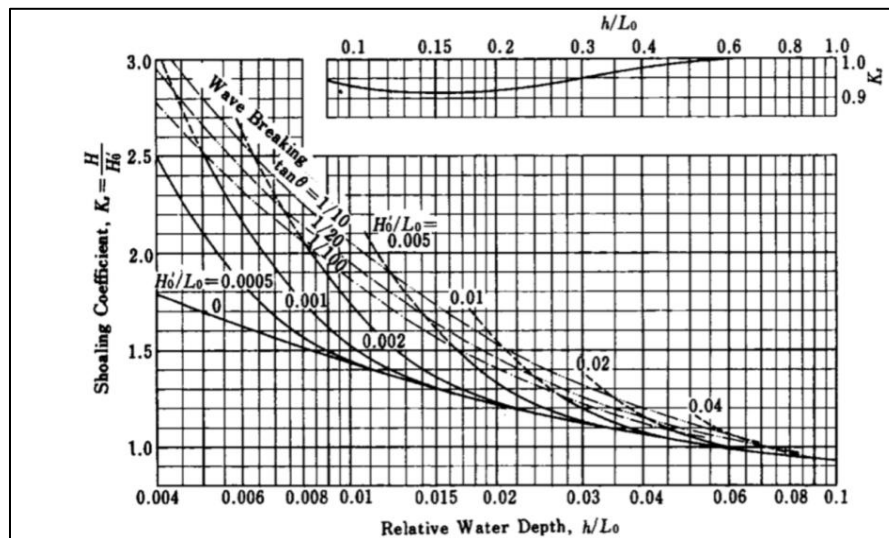


Figura A-6. Gráfico para coeficiente de shoaling (Figura 3-10)

- Coeficiente de refracción K_R

Posteriormente se realiza el cálculo de refracción. De la gráfica de dirección de oleaje se ve que la dirección promedio corresponde a 22° . Utilizando un plano de batimetría general (ver figura A-5) se obtiene que el ángulo formado por la dirección de ola y las líneas batimétricas es de aproximadamente 40° (valor de α_o)

Luego, según la teoría de refracción se puede asumir un ángulo pequeño, cercano a cero (valor de α), para la dirección de ola cercana a la zona de surf. De esta manera se obtiene el valor del coeficiente de refracción K_R de la siguiente expresión (ver ecuación 3-7), descrita gráficamente en la figura 3-4 (método de ortogonales).

$$K_R = \sqrt{\frac{\cos(\alpha_o)}{\cos(\alpha)}}$$

Como resultado, el valor de K_R es de 0.88, resultado que es similar al obtenido utilizando la figura 3-5 y una profundidad de 15 metros y periodo de 15.5 segundos (ver figura A-7).

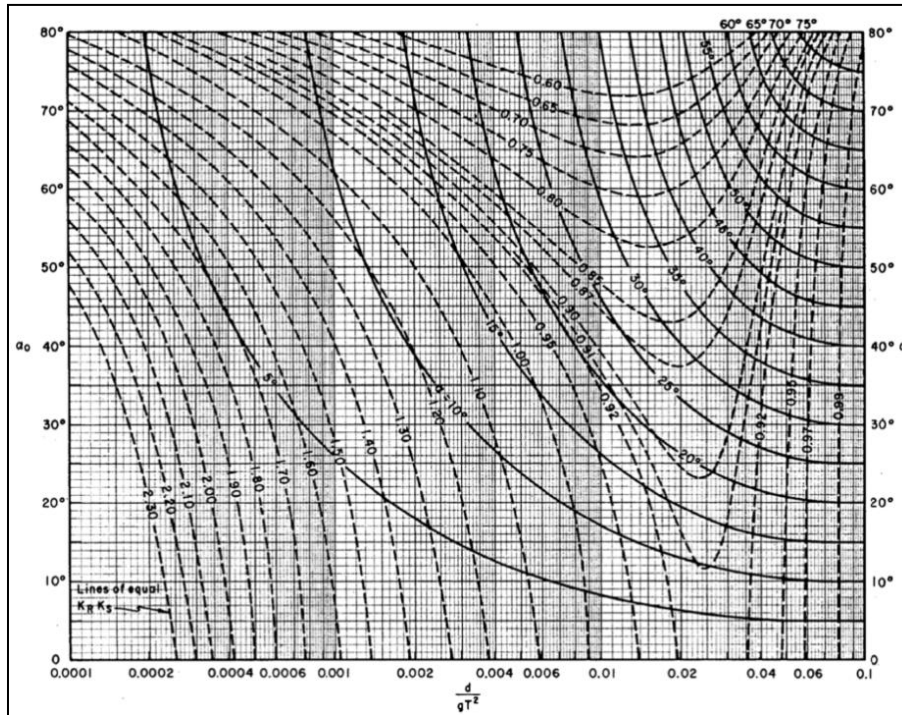


Figura A-6. Gráfico para coeficiente de refracción (Figura 3-5)

- Altura de ola propagada

Por otro lado, el análisis de difracción no se llevara a cabo por falta de elementos que obstaculicen la propagación del oleaje en la zona de interés. Luego, se aplican los factores K_S y K_R (con valores de 1.55 y 0.88, respectivamente) a la altura de ola hallada como promedio de las observaciones según la fórmula 3-10:

$$H = H_0 \cdot K_R \cdot K_D \cdot K_S$$

Donde H_0 es 2.42 metros para el régimen medio. El valor de la altura de ola promedio en la zona de surf sería de $H=3.30$ para una profundidad de 4.08 m.

De un análisis comparativo (ver tabla 4-5) se obtiene que los valores calculados están encima de los valores observados (en un 12.4%), lo cual indica que el análisis de altura de olas del régimen medio y su propagación se realizaron con una buena precisión y en un orden de magnitud correcto.

ITERACION 1									
HI	5.29								
hi	5.82	hh+1	5.55						
(xh+1)>xl	2.58								
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b	1.261147								
c	0.071741								
HH+1	5.279612								

ITERACION 9									
HI	3.509064								
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HH+1	3.131119								

ITERACION 1									
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c	0.067292								
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ITERACION 9									
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c	-0.126209								
HH+1	5.637448								

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HH+1	4.539985								

ITERACION 2									
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ITERACION 3									
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ITERACION 11									
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ITERACION 11									
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ITERACION 11									
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ITERACION 4									
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ITERACION 12									
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hi	2.3	hh+1	2.01						
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b	1.147774								
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HH+1	4.924347								

ITERACION 12									
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ITERACION 12									
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ITERACION 5									
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ITERACION 5									
HI	4.924347								
hi	4.28	hh+1	3.95						
(xh+1)>xl	2.75								
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a	6.155433								
b	1.136166								
c	0.556961								
HH+1	4.462306								

ITERACION 5									
HI	5.538021								
hi	5.66	hh+1	5.33						
(xh+1)>xl	3.13								
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a	6.922526								
b	1.303783								
c	0.296076								
HH+1	5.362667								

ITERACION 13									
HI	3.773818								
hi	3.6	hh+1	3.31						
(xh+1)>xl	2.75								
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a	4.717272								
b	0.867454								
c	0.365014								
HH+1	3.484805								

ITERACION 6									
HI	4.470701								
hi	4.02	hh+1	3.76						
(xh+1)>xl	2.5								
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a	5.888376								
b	1.045388								
c	0.44221								
HH+1	4.100779								

ITERACION 14									
HI	1.809066								
hi	1.72	hh+1	1.43						
(xh+1)>xl	2.82								
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a	2.261333								
b	0.376012								
c	0.381287								
HH+1	1.504033								

ITERACION 6									
HI	4.462306								
hi	3.95	hh+1	3.62						
(xh+1)>xl	2.75								
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a	5.577883								
b	1.022376								
c	0.518921								
HH+1	4.036586								

ITERACION 6									
HI	5.125293								
hi	5	hh+1	5						
(xh+1)>xl	3.13								
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a	6.703333								
b	1.257661								
c	0.320379								
HH+1	5.125293								

ITERACION 7									
HI	4.100779								
hi	3.76	hh+1	3.5						
(xh+1)>xl	2.5								
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a	5.125973								
b	0.917152								
c	0.491935								
HH+1	3.766035								

ITERACION 7									
HI	4.718249								
hi	5.17	hh+1	4.84						
(xh+1)>xl	3.13								
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a	6.406617								
b	1.324888								
c	0.36348								
HH+1	4.718249								

ITERACION 8								
HI	3.766035							
hi	3.5	hh+1	3.29					
(xh+1)>xl	2.06							
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a	4.707544							
b	0.885018							
c								

ITERACION 1			
Hi	5.29		
hi	5.82	hi+1	5.55
(hi+1)·xi	2.39		
a	6.6125		
b	1.261147		
c	0.066458		
Hi+1	5.284895		

ITERACION 9			
Hi	3.602109		
hi	3.28	hi+1	3.03
(hi+1)·xi	2.155		
a	4.502636		
b	0.83189		
c	0.360823		
Hi+1	3.309923		

ITERACION 1			
Hi	5.46		
hi	6.66	hi+1	6.53
(hi+1)·xi	2.39		
a	6.825		
b	1.338356		
c	-0.113826		
Hi+1	5.60047		

ITERACION 9			
Hi	4.626712		
hi	4.62	hi+1	4.29
(hi+1)·xi	4.1		
a	5.78339		
b	1.074058		
c	0.405579		
Hi+1	4.303752		

ITERACION 1			
Hi	5.46		
hi	6.66	hi+1	6.58
(hi+1)·xi	4.74		
a	6.825		
b	1.348604		
c	-0.225748		
Hi+1	5.702144		

ITERACION 9			
Hi	5.396091		
hi	5.51	hi+1	5.26
(hi+1)·xi	2.85		
a	6.745114		
b	1.287815		
c	0.235048		
Hi+1	5.222251		

ITERACION 12			
Hi	3.65715		
hi	3.59	hi+1	3.23
(hi+1)·xi	4.33		
a	4.571438		
b	0.822604		
c	0.482925		
Hi+1	3.265909		

ITERACION 2			
Hi	5.284895		
hi	5.55	hi+1	5.28
(hi+1)·xi	2.39		
a	6.606119		
b	1.261147		
c	0.066458		
Hi+1	5.201291		

ITERACION 10			
Hi	3.309923		
hi	3.03	hi+1	2.78
(hi+1)·xi	2.155		
a	4.137404		
b	0.759207		
c	0.352245		
Hi+1	3.025952		

ITERACION 2			
Hi	5.60047		
hi	6.53	hi+1	6.4
(hi+1)·xi	2.39		
a	7.000588		
b	1.372244		
c	-0.03487		
Hi+1	5.663314		

ITERACION 10			
Hi	4.303752		
hi	4.29	hi+1	3.96
(hi+1)·xi	4.13		
a	5.37969		
b	0.993174		
c	0.413873		
Hi+1	3.972644		

ITERACION 2			
Hi	5.702144		
hi	6.58	hi+1	6.5
(hi+1)·xi	4.74		
a	7.12788		
b	1.488204		
c	-0.033459		
Hi+1	5.752934		

ITERACION 10			
Hi	5.222251		
hi	5.26	hi+1	5.04
(hi+1)·xi	2.5		
a	6.527814		
b	1.250957		
c	0.231362		
Hi+1	5.045494		

ITERACION 13			
Hi	3.265909		
hi	3.23	hi+1	3.01
(hi+1)·xi	4.33		
a	4.082386		
b	0.760866		
c	0.267139		
Hi+1	3.054381		

ITERACION 3			
Hi	5.201291		
hi	5.28	hi+1	4.78
(hi+1)·xi	2.21		
a	6.501614		
b	1.14786		
c	0.191808		
Hi+1	5.13262		

ITERACION 11			
Hi	3.025952		
hi	2.78	hi+1	2.53
(hi+1)·xi	2.155		
a	3.78244		
b	0.688459		
c	0.346459		
Hi+1	2.747522		

ITERACION 3			
Hi	5.663314		
hi	6.4	hi+1	6.27
(hi+1)·xi	2.39		
a	7.079142		
b	1.387069		
c	0.019632		
Hi+1	5.672441		

ITERACION 11			
Hi	3.972644		
hi	3.96	hi+1	3.63
(hi+1)·xi	4.13		
a	4.965805		
b	0.910398		
c	0.413834		
Hi+1	3.641573		

ITERACION 3			
Hi	5.29		
hi	6.5	hi+1	6.42
(hi+1)·xi	4.74		
a	6.6125		
b	1.306223		
c	-0.251134		
Hi+1	5.557411		

ITERACION 11			
Hi	5.045494		
hi	5.04	hi+1	4.82
(hi+1)·xi	2.5		
a	6.306868		
b	1.206314		
c	0.246637		
Hi+1	4.853917		

ITERACION 14			
Hi	3.054381		
hi	3.01	hi+1	2.79
(hi+1)·xi	2.52		
a	3.817976		
b	0.707784		
c	0.273803		
Hi+1	2.836389		

ITERACION 4			
Hi	5.13262		
hi	4.78	hi+1	4.28
(hi+1)·xi	2.21		
a	6.415775		
b	1.161448		
c	0.33285		
Hi+1	4.933991		

ITERACION 12			
Hi	2.747522		
hi	2.53	hi+1	2.28
(hi+1)·xi	2.155		
a	3.434403		
b	0.619007		
c	0.342761		
Hi+1	2.472635		

ITERACION 4			
Hi	5.672441		
hi	6.27	hi+1	5.94
(hi+1)·xi	4.1		
a	7.090551		
b	1.343473		
c	0.099994		
Hi+1	5.647084		

ITERACION 12			
Hi	3.641573		
hi	3.63	hi+1	3.3
(hi+1)·xi	4.13		
a	4.551967		
b	0.82763		
c	0.41382		
Hi+1	3.310516		

ITERACION 4			
Hi	5.57411		
hi	6.42	hi+1	6.34
(hi+1)·xi	4.74		
a	6.946764		
b	1.37204		
c	-0.037245		
Hi+1	5.611969		

ITERACION 12			
Hi	4.853917		
hi	4.82	hi+1	4.6
(hi+1)·xi	2.5		
a	6.067397		
b	1.158092		
c	0.257558		
Hi+1	4.651747		

ITERACION 15			
Hi	2.836389		
hi	2.79	hi+1	2.57
(hi+1)·xi	2.52		
a	3.545486		
b	0.653183		
c	0.277253		
Hi+1	2.61505		

ITERACION 5			
Hi	4.933991		
hi	4.28	hi+1	4.03
(hi+1)·xi	2.155		
a	6.167489		
b	1.161448		
c	0.439652		
Hi+1	4.566389		

ITERACION 13			
Hi	2.472635		
hi	2.28	hi+1	2.05
(hi+1)·xi	2.03		
a	3.090794		
b	0.555801		
c	0.320798		
Hi+1	2.214195		

ITERACION 5			
Hi	5.647084		
hi	5.94	hi+1	5.61
(hi+1)·xi	4.1		
a	7.058855		
b	1.333339		
c	0.248802		
Hi+1	5.476714		

ITERACION 13			
Hi	3.310516		
hi	3.3	hi+1	3.11
(hi+1)·xi	2.37		
a	4.138145		
b	0.779978		
c	0.237468		
Hi+1	3.1207		

ITERACION 5			
Hi	5.61969		
hi	6.34	hi+1	6.26
(hi+1)·xi	4.74		
a	7.014861		
b	1.365289		
c	0.040015		
Hi+1	5.589657		

ITERACION 13			
Hi	4.651747		
hi	4.6	hi+1	4.25
(hi+1)·xi	4		
a	5.814684		
b	1.074452		
c	0.424416		
Hi+1	4.315815		

ITERACION 16			
Hi	2.61505		
hi	2.57	hi+1	2.35
(hi+1)·xi	2.52		
a	3.288813		
b	0.597798		
c	0.278905		
Hi+1	2.392109		

ITERACION 6			
Hi	4.566389		
hi	4.03	hi+1	3.78
(hi+1)·xi	2.155		
a	5.707986		
b	1.070779</		

ITERACION 1									
HI	5.46								
hi	6.66	hi+1	6.56						
(hi+1)·xi	3.51								
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a	6.825								
b	1.344505								
c	-0.167167								
HH+1	5.647663								

ITERACION 9									
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hi	5.65	hi+1	5.4						
(hi+1)·xi	2.56								
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a	6.481813								
b	1.239001								
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HH+1	5.153499								

ITERACION 1									
HI	5.46								
hi	6.66	hi+1	6.56						
(hi+1)·xi	3.92								
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a	6.825								
b	1.344505								
c	-0.186694								
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ITERACION 9									
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(hi+1)·xi	2.855								
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a	6.540879								
b	1.246								
c	0.26842								
HH+1	5.026459								

ITERACION 14									
HI	3.316276								
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a	4.145345								
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c	0.326809								
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ITERACION 1									
HI	5.46								
hi	6.66	hi+1	6.56						
(hi+1)·xi	5.22								
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a	6.825								
b	1.344505								
c	-0.248608								
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ITERACION 9									
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hi	4.94	hi+1	4.61						
(hi+1)·xi	3.46								
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a	6.282618								
b	1.172586								
c	0.382687								
HH+1	4.727345								

ITERACION 3									
HI	5.710777								
hi	6.46	hi+1	6.36						
(hi+1)·xi	3.51								
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a	7.138472								
b	1.405594								
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HH+1	5.706573								

ITERACION 11									
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hi	5.15	hi+1	4.9						
(hi+1)·xi	2.56								
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a	6.313219								
b	1.20135								
c	0.213757								
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ITERACION 3									
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hi	6.46	hi+1	6.36						
(hi+1)·xi	3.92								
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a	7.156688								
b	1.409181								
c	0.036677								
HH+1	5.71083								

ITERACION 11									
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hi	4.76	hi+1	4.51						
(hi+1)·xi	2.855								
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a	6.003618								
b	1.13766								
c	0.298258								
HH+1	4.5677								

ITERACION 16									
HI	2.796002								
hi	2.76	hi+1	2.51						
(hi+1)·xi	2.958								
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a	3.495003								
b	0.635685								
c	0.317729								
HH+1	2.541589								

ITERACION 3									
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hi	6.46	hi+1	6.36						
(hi+1)·xi	5.22								
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a	7.19773								
b	1.417262								
c	0.070653								
HH+1	5.709815								

ITERACION 11									
HI	4.09155								
hi	4.28	hi+1	3.95						
(hi+1)·xi	3.56								
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a	5.511444								
b	1.07299								
c	0.426536								
HH+1	4.067608								

ITERACION 5									
HI	5.664573								
hi	6.26	hi+1	6.01						
(hi+1)·xi	2.56								
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a	7.080717								
b	1.359588								
c	0.062825								
HH+1	5.658303								

ITERACION 13									
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hi	4.65	hi+1	4.41						
(hi+1)·xi	2.45								
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a	5.888519								
b	1.116919								
c	0.263224								
HH+1	4.508376								

ITERACION 5									
HI	5.659184								
hi	6.26	hi+1	6.01						
(hi+1)·xi	2.855								
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a	7.07398								
b	1.358295								
c	0.068078								
HH+1	5.647608								

ITERACION 13									
HI	4.324855								
hi	4.26	hi+1	4.01						
(hi+1)·xi	2.875								
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a	5.406069								
b	1.017762								
c	0.313378								
HH+1	4.074929								

ITERACION 17									
HI	2.541589								
hi	2.51	hi+1	2.38						
(hi+1)·xi	1.55								
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a	3.176986								
b	0.602488								
c	0.169972								
HH+1	2.408526								

ITERACION 4									
HI	5.709815								
hi	6.36	hi+1	6.26						
(hi+1)·xi	5.22								
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a	7.137269								
b	1.40501								
c	0.097988								
HH+1	5.634272								

ITERACION 12									
HI	4.067608								
hi	3.95	hi+1	4.01						
(hi+1)·xi	3.56								
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a	5.084511								
b	1.032349								
c	0.425507								
HH+1	3.626655								

ITERACION 6									
HI	5.659303								
hi	6.01	hi+1	5.76						
(hi+1)·xi	2.56								
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a	7.072879								
b	1.354466								
c	0.137093								
HH+1	5.580053								

ITERACION 14									
HI	4.508376								
hi	4.41	hi+1	4.17						
(hi+1)·xi	2.45								
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HH+1	4.290071								

ITERACION 6									
HI	5.647608								
hi	6.01	hi+1	5.76						
(hi+1)·xi	2.855								
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a	7.05951								
b	1.353171								
c	0.148934								
HH+1	5.557405								

ITERACION 14									
HI	4.074929								
hi	4.01	hi+1	3.76						
(hi+1)·xi	2.875								
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a	5.093661								
b	0.955212								
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HH+1	3.823039								

ITERACION 15									
HI	3.823039								
hi	3.76	hi+1	3.51						
(hi+1)·xi	2.875								
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a	4.778799								
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HH+1	3.569886								

ITERACION 6									
HI	5.637395								
hi	5.93	hi+1	5.6						
(hi+1)·xi	3.45								
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ITERACION 13									
HI	3.626655								
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(hi+1)·xi	3.56								
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ITERACION 7									
HI	5.580053								
hi	5.76	hi+1	5.51						
(hi+1)·xi	2.56								
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b	1.334466								
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HH+1	5.449879								

ITERACION 15									
HI	4.290071								
hi	4.17	hi+1	3.93						
(hi+1)·xi	2.45								
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a	5.362589								
b	1.01079								
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HH+1	4.060691								

ITERACION 7									
HI	5.557405								
hi	5.76	hi+1	5.51						
(hi+1)·xi	2.855								
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a	6.946756								
b	1.291978								
c	0.242236								
HH+1	5.232704								

ITERACION 15									
HI	3.569886								
hi	3.51	hi+1	3.26						
(hi+1)·xi	2.875								
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ITERACION 8									
HI	5.413534								
hi	5.51	hi+1	5.26						
(hi+1)·xi	2.855								
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b	1.291978								
c	0.242236								
HH+1	5.232704								

ITERACION 8									
HI	5.292833								
hi	5.27	hi+1	4.94						
(hi+1)·xi	3.46								
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a	6.616041								
b	1.240351								
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HH+1	5.026094								

ITERACION 8									
HI	5.449879								
hi	5.51	hi+1	5.65						
(hi+1)·xi	2.56								
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b	1.397088								
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HH+1	5.18545								

ITERACION 16									
HI	4.060691								
hi	3.93	hi+1	3.69						
(hi+1)·xi	2.45								
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a	5.075864								
b	0.963178								
c	0.289857								
HH+1	3.82373								

ITERACION 1			
HI	5.73		
hi	6.72	hh+1	6.57
(xh+1)-xi	4.33		
a	7.1625		
b	1.400525		
c	-0.081761		
HH+1	5.843736		

ITERACION 9			
HI	5.100281		
hi	5.22	hh+1	5.02
(xh+1)-xi	3.05		
a	6.375351		
b	1.226217		
c	0.246358		
HH+1	4.902776		

ITERACION 1			
HI	5.73		
hi	6.72	hh+1	6.57
(xh+1)-xi	2.45		
a	7.1625		
b	1.400525		
c	-0.046262		
HH+1	5.808237		

ITERACION 9			
HI	4.924937		
hi	5.41	hh+1	5.16
(xh+1)-xi	2.99		
a	6.156171		
b	1.174338		
c	0.086518		
HH+1	4.895315		

ITERACION 13			
HI	3.44159		
hi	3.41	hh+1	3.16
(xh+1)-xi	3		
a	4.301988		
b	0.797319		
c	0.31396		
HH+1	3.190709		

ITERACION 1			
HI	5.46		
hi	6.66	hh+1	6.57
(xh+1)-xi	4.21		
a	6.825		
b	1.346554		
c	-0.200506		
HH+1	5.678952		

ITERACION 9			
HI	5.343752		
hi	5.46	hh+1	5.21
(xh+1)-xi	3.05		
a	6.679689		
b	1.274769		
c	0.250127		
HH+1	5.154794		

ITERACION 2			
HI	5.843736		
hi	6.57	hh+1	6.42
(xh+1)-xi	4.33		
a	7.30467		
b	1.427579		
c	0.051847		
HH+1	5.825244		

ITERACION 10			
HI	4.902776		
hi	5.02	hh+1	4.82
(xh+1)-xi	3.05		
a	6.12847		
b	1.176862		
c	0.245402		
HH+1	4.706206		

ITERACION 2			
HI	5.808237		
hi	6.57	hh+1	6.42
(xh+1)-xi	2.45		
a	7.260297		
b	1.418907		
c	0.018428		
HH+1	5.822961		

ITERACION 10			
HI	4.895315		
hi	5.16	hh+1	4.91
(xh+1)-xi	3		
a	6.119144		
b	1.164535		
c	0.177458		
HH+1	4.777151		

ITERACION 13			
HI	3.190709		
hi	3.16	hh+1	3.05
(xh+1)-xi	1.29		
a	3.988387		
b	0.769991		
c	0.135431		
HH+1	3.083045		

ITERACION 2			
HI	5.678952		
hi	6.57	hh+1	6.48
(xh+1)-xi	4.21		
a	7.03869		
b	1.402789		
c	-0.037576		
HH+1	5.735976		

ITERACION 10			
HI	5.154794		
hi	5.21	hh+1	5.41
(xh+1)-xi	3.05		
a	6.443492		
b	1.338169		
c	0.274513		
HH+1	4.83081		

ITERACION 3			
HI	5.825244		
hi	6.42	hh+1	6.27
(xh+1)-xi	4.33		
a	7.281554		
b	1.422285		
c	0.114909		
HH+1	5.744361		

ITERACION 11			
HI	4.706206		
hi	4.82	hh+1	4.71
(xh+1)-xi	3.05		
a	5.882758		
b	1.149701		
c	0.244811		
HH+1	4.488246		

ITERACION 3			
HI	5.822961		
hi	6.42	hh+1	6.27
(xh+1)-xi	2.45		
a	7.278701		
b	1.421728		
c	0.064316		
HH+1	5.792658		

ITERACION 11			
HI	4.777151		
hi	4.91	hh+1	4.66
(xh+1)-xi	3		
a	5.971439		
b	1.133479		
c	0.232999		
HH+1	4.604962		

ITERACION 3			
HI	5.735976		
hi	6.48	hh+1	6.39
(xh+1)-xi	4.21		
a	7.16997		
b	1.414077		
c	0.035586		
HH+1	5.720307		

ITERACION 11			
HI	4.83081		
hi	5.41	hh+1	5.16
(xh+1)-xi	3.05		
a	6.038513		
b	1.151894		
c	0.045232		
HH+1	4.841387		

ITERACION 4			
HI	5.744361		
hi	6.07	hh+1	5.87
(xh+1)-xi	3.03		
a	7.180451		
b	1.390282		
c	0.101812		
HH+1	5.688357		

ITERACION 12			
HI	4.488246		
hi	4.71	hh+1	4.51
(xh+1)-xi	3.05		
a	5.610307		
b	1.074416		
c	0.190326		
HH+1	4.345566		

ITERACION 4			
HI	5.792658		
hi	6.27	hh+1	6.02
(xh+1)-xi	3		
a	7.240823		
b	1.390423		
c	0.119179		
HH+1	5.731221		

ITERACION 12			
HI	4.604962		
hi	4.66	hh+1	4.41
(xh+1)-xi	3		
a	5.756202		
b	1.089479		
c	0.2673		
HH+1	4.398423		

ITERACION 4			
HI	5.720307		
hi	6.39	hh+1	6.3
(xh+1)-xi	4.21		
a	7.150384		
b	1.409935		
c	0.070198		
HH+1	5.670251		

ITERACION 12			
HI	4.841387		
hi	5.16	hh+1	4.91
(xh+1)-xi	3.06		
a	6.051734		
b	1.151706		
c	0.156171		
HH+1	4.743857		

ITERACION 5			
HI	5.688357		
hi	6.07	hh+1	5.87
(xh+1)-xi	3.03		
a	7.110446		
b	1.375233		
c	0.151973		
HH+1	5.583241		

ITERACION 13			
HI	4.345566		
hi	4.51	hh+1	4.31
(xh+1)-xi	3.05		
a	5.431957		
b	1.038214		
c	0.215129		
HH+1	4.178614		

ITERACION 5			
HI	5.731221		
hi	6.02	hh+1	5.77
(xh+1)-xi	3		
a	7.164026		
b	1.373303		
c	0.185154		
HH+1	5.605569		

ITERACION 13			
HI	4.399423		
hi	4.41	hh+1	4.16
(xh+1)-xi	3		
a	5.489279		
b	1.037506		
c	0.288245		
HH+1	4.173528		

ITERACION 5			
HI	5.670251		
hi	6.3	hh+1	6.21
(xh+1)-xi	4.21		
a	7.087814		
b	1.397312		
c	0.0868		
HH+1	5.603703		

ITERACION 13			
HI	4.743857		
hi	4.91	hh+1	4.66
(xh+1)-xi	3.06		
a	5.929822		
b	1.125579		
c	0.22194		
HH+1	4.582302		

ITERACION 6			
HI	5.683241		
hi	5.87	hh+1	5.67
(xh+1)-xi	3.03		
a	6.979051		
b	1.348253		
c	0.184947		
HH+1	5.445851		

ITERACION 14			
HI	4.178614		
hi	4.31	hh+1	4.11
(xh+1)-xi	3.05		
a	5.23267		
b	0.998718		
c	0.228975		
HH+1	3.998114		

ITERACION 6			
HI	5.605569		
hi	5.77	hh+1	5.52
(xh+1)-xi	2.99		
a	7.006961		
b	1.340673		
c	0.228966		
HH+1	5.437321		

ITERACION 14			
HI	4.173528		
hi	4.16	hh+1	3.91
(xh+1)-xi	3		
a	5.21091		
b	0.980679		
c	0.30073		

ITERACION 12				
Hi	3.911849			
hi	3.91	hi+1	3.66	
(x _{i+1})-x _i	3.06			
a	4.889811			
b	0.915433			
c	0.300492			
Hh+1	3.673886			

PERFIL 3+300

ITERACION 1				
Hi	5.73			
hi	6.72	hi+1	6.61	
(x _{i+1})-x _i	3.99			
a	7.1625			
b	1.409051			
c	-0.075341			
Hh+1	5.828789			

ITERACION 9				
Hi	5.26742			
hi	5.28	hi+1	5.03	
(x _{i+1})-x _i	2.8			
a	6.584275			
b	1.254504			
c	0.269082			
Hh+1	5.06071			

ITERACION 13				
Hi	3.185113			
hi	3.28	hi+1	3.03	
(x _{i+1})-x _i	4.05			
a	3.981392			
b	0.735586			
c	0.308818			
Hh+1	2.936988			

PERFIL 3+200

ITERACION 1				
Hi	5.73			
hi	6.72	hi+1	6.61	
(x _{i+1})-x _i	2.2			
a	7.1625			
b	1.409051			
c	-0.041541			
Hh+1	5.79499			

ITERACION 9				
Hi	5.361688			
hi	5.28	hi+1	5.03	
(x _{i+1})-x _i	2.4			
a	6.70211			
b	1.276955			
c	0.262034			
Hh+1	5.163121			

ITERACION 14				
Hi	3.421062			
hi	3.41	hi+1	3.2	
(x _{i+1})-x _i	2.05			
a	4.276327			
b	0.902595			
c	0.205481			
Hh+1	3.268241			

PERFIL 3+100

ITERACION 1				
Hi	5.73			
hi	6.72	hi+1	6.61	
(x _{i+1})-x _i	2.82			
a	7.1625			
b	1.409051			
c	-0.055248			
Hh+1	5.906697			

ITERACION 14				
Hi	3.428653			
hi	3.41	hi+1	3.16	
(x _{i+1})-x _i	3.06			
a	4.285817			
b	0.794321			
c	0.311736			
Hh+1	3.17976			

ITERACION 3				
Hi	5.828789			
hi	6.61	hi+1	6.5	
(x _{i+1})-x _i	3.99			
a	7.285987			
b	1.432947			
c	0.022614			
Hh+1	5.830426			

ITERACION 11				
Hi	4.837039			
hi	4.78	hi+1	4.53	
(x _{i+1})-x _i	2.84			
a	6.046298			
b	1.146014			
c	0.302752			
Hh+1	4.597532			

ITERACION 15				
Hi	2.694174			
hi	2.78	hi+1	2.58	
(x _{i+1})-x _i	2.5			
a	3.367717			
b	0.625087			
c	0.186948			
Hh+1	2.555682			

ITERACION 3				
Hi	5.815978			
hi	6.5	hi+1	6.39	
(x _{i+1})-x _i	2.2			
a	7.269973			
b	1.429389			
c	0.035909			
Hh+1	5.904676			

ITERACION 11				
Hi	4.946133			
hi	4.78	hi+1	4.53	
(x _{i+1})-x _i	2.4			
a	6.182667			
b	1.113785			
c	0.295437			
Hh+1	4.715369			

ITERACION 16				
Hi	3.089331			
hi	2.89	hi+1	2.78	
(x _{i+1})-x _i	2.05			
a	3.861664			
b	0.718089			
c	0.250098			
Hh+1	2.893477			

ITERACION 3				
Hi	5.828789			
hi	6.5	hi+1	6.39	
(x _{i+1})-x _i	2.82			
a	7.278371			
b	1.43104			
c	0.048408			
Hh+1	5.798923			

ITERACION 15				
Hi	3.17976			
hi	3.16	hi+1	3.03	
(x _{i+1})-x _i	1.61			
a	3.9747			
b	0.164942			
c	0.164942			
Hh+1	3.047521			

ITERACION 4				
Hi	5.782733			
hi	6.39	hi+1	6.28	
(x _{i+1})-x _i	3.99			
a	7.228416			
b	1.420797			
c	0.098183			
Hh+1	5.709436			

ITERACION 12				
Hi	4.597532			
hi	4.53	hi+1	4.28	
(x _{i+1})-x _i	2.84			
a	5.748916			
b	1.085951			
c	0.308909			
Hh+1	4.352055			

ITERACION 15				
Hi	5.815978			
hi	6.5	hi+1	6.39	
(x _{i+1})-x _i	2.2			
a	7.255844			
b	1.426188			
c	0.060228			
Hh+1	5.769429			

ITERACION 12				
Hi	4.715369			
hi	4.53	hi+1	4.28	
(x _{i+1})-x _i	2.4			
a	5.894211			
b	1.113785			
c	0.306004			
Hh+1	4.474422			

ITERACION 17				
Hi	2.893477			
hi	2.78	hi+1	2.57	
(x _{i+1})-x _i	2.05			
a	3.616846			
b	0.668726			
c	0.261231			
Hh+1	2.686889			

ITERACION 4				
Hi	5.798923			
hi	6.39	hi+1	6.28	
(x _{i+1})-x _i	2.82			
a	7.248654			
b	1.36166			
c	0.075157			
Hh+1	5.748723			

ITERACION 5				
Hi	5.709436			
hi	6.28	hi+1	6.03	
(x _{i+1})-x _i	2.75			
a	7.136795			
b	1.370537			
c	0.076935			
Hh+1	5.689323			

ITERACION 13				
Hi	4.352055			
hi	4.28	hi+1	4.03	
(x _{i+1})-x _i	2.84			
a	5.440069			
b	1.024462			
c	0.31289			
Hh+1	4.102717			

ITERACION 14				
Hi	4.102717			
hi	4.03	hi+1	3.78	
(x _{i+1})-x _i	2.84			
a	5.128396			
b	0.962052			
c	0.315383			
Hh+1	3.850962			

ITERACION 5				
Hi	5.769429			
hi	6.28	hi+1	6.03	
(x _{i+1})-x _i	2.338			
a	7.211786			
b	1.364639			
c	0.083281			
Hh+1	5.743566			

ITERACION 13				
Hi	4.474422			
hi	4.28	hi+1	4.03	
(x _{i+1})-x _i	2.4			
a	5.593028			
b	1.053266			
c	0.313695			
Hh+1	4.226067			

ITERACION 14				
Hi	4.226067			
hi	4.03	hi+1	3.78	
(x _{i+1})-x _i	2.4			
a	5.282583			
b	0.900976			
c	0.319185			
Hh+1	3.972423			

ITERACION 5				
Hi	5.748723			
hi	6.28	hi+1	5.95	
(x _{i+1})-x _i	2.46			
a	7.185003			
b	1.36166			
c	0.081158			
Hh+1	5.743086			

ITERACION 6				
Hi	5.743086			
hi	5.95	hi+1	5.62	
(x _{i+1})-x _i	2.46			
a	7.178857			
b	1.36166			
c	0.176668			
Hh+1	5.646048			

ITERACION 6				
Hi	5.689323			
hi	6.03	hi+1	5.78	
(x _{i+1})-x _i	2.75			
a	7.11653			
b	1.338658			
c	0.151589			
Hh+1	5.596702			

ITERACION 14				
Hi	4.102717			
hi	4.03	hi+1	3.78	
(x _{i+1})-x _i	2.84			
a	5.128396			
b	0.962052			
c	0.315383			
Hh+1	3.850962			

ITERACION 6				
Hi	5.743566			
hi	6.03	hi+1	5.78	
(x _{i+1})-x _i	2.338			
a	7.179458			
b	1.37636			
c	0.14514			
Hh+1	5.657957			

ITERACION 14				
Hi	4.226067			
hi	4.03	hi+1	3.78	
(x _{i+1})-x _i	2.4			
a	5.282583			
b	0.900976			
c	0.319185			
Hh+1	3.972423			

ITERACION 7				
Hi	5.657957			
hi	5.78	hi+1	5.53	
(x _{i+1})-x _i	2.338			
a	7.072447			
b	1.353309			
c	0.192046</			

ITERACION 9									
HI	5.162628								
hi	5.29	hi+1	4.96						
(hi+1)-xi	2.56								
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a	6.453285								
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H+1	5.038565								

ITERACION 1									
HI	5.73								
hi	6.72	hi+1	6.51						
(hi+1)-xi	1.97								
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ITERACION 9									
HI	4.882974								
hi	4.63	hi+1	4.3						
(hi+1)-xi	2.72								
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ITERACION 1									
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(hi+1)-xi	3.9								
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c	-0.073641								
H+1	5.822826								

ITERACION 9									
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ITERACION 1									
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ITERACION 10									
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(hi+1)-xi	2.56								
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ITERACION 2									
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(hi+1)-xi	1.97								
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ITERACION 10									
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ITERACION 2									
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ITERACION 10									
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(hi+1)-xi	3								
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ITERACION 2									
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ITERACION 11									
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ITERACION 3									
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ITERACION 11									
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ITERACION 3									
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ITERACION 11									
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ITERACION 3									
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ITERACION 12									
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ITERACION 4									
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ITERACION 5									
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ITERACION 13									
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ITERACION 5									
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ITERACION 14									
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ITERACION 6									
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ITERACION 14									
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c	0.073299								
H+1	5.674126								

ITERACION 14									
HI	4.024185								
hi	3.73	hi+1	3.45						
(hi+1)-xi	2.29								
<table border="1"> <tr> <td>a</td> <td>5.030231</td> </tr> <tr> <td>b</td> <td>0.936825</td> </tr> <tr> <td>c</td> <td>0.352988</td> </tr> </table>				a	5.030231	b	0.936825	c	0.352988
a	5.030231								
b	0.936825								
c	0.352988								
H+1	3.746708								

ITERACION 6									
HI	5.665826								
hi	6.27	hi+1	6.02						
(hi+1)-xi	3.345								
<table border="1"> <tr> <td>a</td> <td>7.082282</td> </tr> <tr> <td>b</td> <td>1.35979</td> </tr> <tr> <td>c</td> <td>0.078727</td> </tr> </table>				a	7.082282	b	1.35979	c	0.078727
a	7.082282								
b	1.35979								
c	0.078727								
H+1	5.643576								

ITERACION 7									
HI	5.643576								
hi	6.02	hi+1	5.77						
(hi+1)-xi	3.345								
<table border="1"> <tr> <td>a</td> <td>7.05447</td> </tr> <tr> <td>b</td> <td>1.323436</td> </tr> <tr> <td>c</td> <td>0.168673</td> </tr> </table>				a	7.05447	b	1.323436	c	0.168673
a	7.05447								
b	1.323436								
c	0.168673								
H+1	5.533495								

ITERACION 15			
HI	3.678479		
hi	3.34	hi+1	3.04
(hi+1)-xi			

ITERACION 9			
HI	5.369061		
hi	5.2	hi+1	5.27
(x+1)-xi	3.345		
		a	6.711327
		b	1.281474
		c	0.259068
H+1	5.170785		

ITERACION 13			
HI	3.705383		
hi	3.52	hi+1	3.27
(x+1)-xi	2.34		
		a	4.631729
		b	0.860554
		c	0.317846
H+1	3.453329		

ITERACION 1			
HI	5.73		
hi	6.72	hi+1	6.63
(x+1)-xi	5.02		
		a	7.1625
		b	1.413315
		c	-0.094789
H+1	5.843975		

ITERACION 9			
HI	5.367976		
hi	5.67	hi+1	5.47
(x+1)-xi	3.67		
		a	6.70997
		b	1.294657
		c	0.211494
H+1	5.203818		

ITERACION 1			
HI	5.73		
hi	6.72	hi+1	6.64
(x+1)-xi	6.21		
		a	7.1625
		b	1.415446
		c	-0.117259
H+1	5.864313		

ITERACION 9			
HI	5.322003		
hi	5.58	hi+1	5.25
(x+1)-xi	5.94		
		a	6.652504
		b	1.251815
		c	0.374531
H+1	5.026158		

ITERACION 1			
HI	5.73		
hi	6.72	hi+1	6.65
(x+1)-xi	6.56		
		a	7.1625
		b	1.417578
		c	-0.123868
H+1	5.86879		

ITERACION 10			
HI	5.170785		
hi	5.2	hi+1	5.02
(x+1)-xi	2.54		
		a	6.463481
		b	1.192288
		c	0.24821
H+1	5.019108		

ITERACION 14			
HI	3.453329		
hi	3.27	hi+1	2.9
(x+1)-xi	2.56		
		a	4.316661
		b	0.765646
		c	0.353663
H+1	3.197152		

ITERACION 2			
HI	5.843975		
hi	6.63	hi+1	6.54
(x+1)-xi	5.02		
		a	7.304968
		b	1.441161
		c	0.026813
H+1	5.836894		

ITERACION 10			
HI	5.203818		
hi	5.47	hi+1	5.27
(x+1)-xi	3.67		
		a	6.504773
		b	1.253388
		c	0.224548
H+1	5.026837		

ITERACION 2			
HI	5.864313		
hi	6.64	hi+1	6.56
(x+1)-xi	6.21		
		a	7.330391
		b	1.468415
		c	0.042218
H+1	5.839759		

ITERACION 10			
HI	5.026158		
hi	5.25	hi+1	4.92
(x+1)-xi	2.61		
		a	6.282697
		b	1.177557
		c	0.171777
H+1	4.933963		

ITERACION 2			
HI	5.86879		
hi	6.65	hi+1	6.58
(x+1)-xi	6.56		
		a	7.335988
		b	1.445258
		c	0.041042
H+1	5.843192		

ITERACION 11			
HI	5.019108		
hi	5.02	hi+1	4.77
(x+1)-xi	2.54		
		a	6.273885
		b	1.145016
		c	0.24821
H+1	4.833387		

ITERACION 12			
HI	4.833387		
hi	4.77	hi+1	4.52
(x+1)-xi	2.54		
		a	6.041733
		b	1.145016
		c	0.273283
H+1	4.623435		

ITERACION 4			
HI	5.784375		
hi	6.45	hi+1	6.36
(x+1)-xi	5.02		
		a	7.230488
		b	1.425916
		c	0.090278
H+1	5.714275		

ITERACION 12			
HI	4.942667		
hi	4.94	hi+1	4.61
(x+1)-xi	2.58		
		a	6.178334
		b	1.153122
		c	0.253484
H+1	4.771728		

ITERACION 4			
HI	5.779382		
hi	6.48	hi+1	6.4
(x+1)-xi	6.21		
		a	7.224228
		b	1.427008
		c	0.0867
H+1	5.71052		

ITERACION 12			
HI	4.752968		
hi	4.6	hi+1	4.27
(x+1)-xi	2.61		
		a	5.94121
		b	1.102999
		c	0.318479
H+1	4.519733		

ITERACION 3			
HI	5.843192		
hi	6.58	hi+1	6.51
(x+1)-xi	6.56		
		a	7.30399
		b	1.445258
		c	0.070812
H+1	5.78792		

ITERACION 13			
HI	4.623435		
hi	4.52	hi+1	4.27
(x+1)-xi	2.54		
		a	5.779293
		b	1.034748
		c	0.290974
H+1	4.396391		

ITERACION 14			
HI	4.396391		
hi	4.27	hi+1	4.02
(x+1)-xi	2.34		
		a	5.495489
		b	0.980328
		c	0.297046
H+1	4.181347		

ITERACION 5			
HI	5.714275		
hi	6.36	hi+1	6.27
(x+1)-xi	5.02		
		a	7.142844
		b	1.408353
		c	0.097098
H+1	5.637393		

ITERACION 13			
HI	4.771728		
hi	4.61	hi+1	4.28
(x+1)-xi	2.58		
		a	5.96466
		b	1.107538
		c	0.318197
H+1	4.538925		

ITERACION 5			
HI	5.71052		
hi	6.4	hi+1	6.32
(x+1)-xi	6.21		
		a	7.138149
		b	1.409785
		c	0.088678
H+1	5.639687		

ITERACION 13			
HI	4.519733		
hi	4.27	hi+1	3.94
(x+1)-xi	2.56		
		a	5.649666
		b	1.042608
		c	0.388223
H+1	4.248834		

ITERACION 5			
HI	5.786774		
hi	6.59	hi+1	6.52
(x+1)-xi	6.56		
		a	7.233467
		b	1.431326
		c	0.017029
H+1	5.785112		

ITERACION 12			
HI	4.833387		
hi	4.77	hi+1	4.52
(x+1)-xi	2.54		
		a	6.041733
		b	1.145016
		c	0.273283
H+1	4.623435		

ITERACION 14			
HI	4.623435		
hi	4.52	hi+1	4.27
(x+1)-xi	2.34		
		a	5.495489
		b	0.980328
		c	0.297046
H+1	4.396391		

ITERACION 6			
HI	5.637393		
hi	6.27	hi+1	6.07
(x+1)-xi	3.67		
		a	7.046741
		b	1.364393
		c	0.072288
H+1	5.609468		

ITERACION 14			
HI	4.538925		
hi	4.28	hi+1	3.9
(x+1)-xi	3.15		
		a	5.673657
		b	1.033984
		c	0.445232
H+1	4.194441		

ITERACION 6			
HI	5.639687		
hi	6.32	hi+1	6.24
(x+1)-xi	6.21		
		a	7.049609
		b	1.392075
		c	0.08912
H+1	5.568415		

ITERACION 14			
HI	4.248834		
hi	3.94	hi+1	3.61
(x+1)-xi	2.56		
		a	5.311043
		b	0.973242
		c	0.393757
H+1	3.944044		

ITERACION 6			
HI	5.785112		
hi	6.52	hi+1	6.45
(x+1)-xi	6.56		
		a	7.233467
		b	1.43075
		c	0.066838
H+1	5.733802		

ITERACION 14			
HI	4.396391		
hi	4.27	hi+1	4.02
(x+1)-xi	2.34		
		a	5.495489
		b	0.980328
		c	0.297046
H+1	4.181347		

ITERACION 9				
Hi	5.10201			6
hi	6.17		hi+1	5.83
(xh+1)-xi	4			
		a	6.377513	
		b	1.240359	
		c	-0.165305	
Hh+1	5.302459			

ITERACION 10				
Hi	5.302459			6
hi	6.17		hi+1	5.83
(xh+1)-xi	4			
		a	6.628074	
		b	1.288056	
		c	0.029058	
Hh+1	5.31096			

ITERACION 11				
Hi	5.31096			5.66
hi	5.83		hi+1	5.66
(xh+1)-xi	4			
		a	6.6387	
		b	1.29024	
		c	0.117771	
Hh+1	5.231906			

ITERACION 12				
Hi	5.231906			5.535
hi	5.66		hi+1	5.285
(xh+1)-xi	4			
		a	6.539882	
		b	1.27909	
		c	0.160476	
Hh+1	5.100316			

ITERACION 13				
Hi	5.100316			5.285
hi	5.535		hi+1	5.285
(xh+1)-xi	2.5			
		a	6.375395	
		b	1.217487	
		c	0.094553	
Hh+1	5.063355			

ITERACION 14				
Hi	5.063355			5.035
hi	5.285		hi+1	5.035
(xh+1)-xi	2.5			
		a	6.329193	
		b	1.177804	
		c	0.165874	
Hh+1	4.957359			

ITERACION 15				
Hi	4.957359			4.785
hi	5.035		hi+1	4.785
(xh+1)-xi	2.5			
		a	6.196699	
		b	1.12042	
		c	0.216018	
Hh+1	4.802877			

ITERACION 16				
Hi	4.802877			4.465
hi	4.785		hi+1	4.465
(xh+1)-xi	2.61			
		a	6.003596	
		b	1.12042	
		c	0.262569	
Hh+1	4.620607			

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ITERACION 1				
Hi	5.73			6.66
hi	6.72		hi+1	6.66
(xh+1)-xi	5.04			
		a	7.1625	
		b	1.41971	
		c	-0.095167	
Hh+1	5.837957			

ITERACION 2				
Hi	5.837957			6.6
hi	6.66		hi+1	6.6
(xh+1)-xi	5.04			
		a	7.297447	
		b	1.446341	
		c	0.006602	
Hh+1	5.844504			

ITERACION 3				
Hi	5.844504			6.54
hi	6.6		hi+1	6.54
(xh+1)-xi	5.04			
		a	7.305633	
		b	1.447843	
		c	0.044055	
Hh+1	5.813732			

ITERACION 4				
Hi	5.813732			6.48
hi	6.54		hi+1	6.48
(xh+1)-xi	5.04			
		a	7.267165	
		b	1.440099	
		c	0.058246	
Hh+1	5.76882			

ITERACION 5				
Hi	5.76882			6.54
hi	6.48		hi+1	6.54
(xh+1)-xi	5.04			
		a	7.211025	
		b	1.455559	
		c	0.063823	
Hh+1	5.691838			

ITERACION 6				
Hi	5.691838			6.48
hi	6.54		hi+1	6.48
(xh+1)-xi	5.04			
		a	7.114797	
		b	1.409005	
		c	-0.019784	
Hh+1	5.724676			

ITERACION 7				
Hi	5.724676			6.42
hi	6.48		hi+1	6.42
(xh+1)-xi	5.04			
		a	7.155845	
		b	1.412323	
		c	0.055536	
Hh+1	5.702588			

ITERACION 8				
Hi	5.702588			6.36
hi	6.42		hi+1	6.36
(xh+1)-xi	5.04			
		a	7.128235	
		b	1.412323	
		c	0.055536	
Hh+1	5.680552			

ITERACION 9				
Hi	5.837957			6.33
hi	6.66		hi+1	6.33
(xh+1)-xi	2.16			
		a	7.297447	
		b	1.387172	
		c	0.002829	
Hh+1	5.907445			

ITERACION 10				
Hi	5.907445			6
hi	6.33		hi+1	6
(xh+1)-xi	2.16			
		a	7.384306	
		b	1.389668	
		c	0.101774	
Hh+1	5.882664			

ITERACION 11				
Hi	5.882664			5.67
hi	6		hi+1	5.67
(xh+1)-xi	2.16			
		a	7.35333	
		b	1.389779	
		c	0.179952	
Hh+1	5.783598			

ITERACION 12				
Hi	5.783598			5.83
hi	6.33		hi+1	5.83
(xh+1)-xi	3.23			
		a	7.229498	
		b	1.331669	
		c	0.102115	
Hh+1	5.795693			

ITERACION 13				
Hi	5.795693			5.33
hi	5.83		hi+1	5.33
(xh+1)-xi	3.23			
		a	7.244616	
		b	1.324659	
		c	0.302014	
Hh+1	5.617944			

ITERACION 14				
Hi	5.617944			4.83
hi	5.33		hi+1	4.83
(xh+1)-xi	3.25			
		a	7.02243	
		b	1.188986	
		c	0.444566	
Hh+1	5.305131			

ITERACION 15				
Hi	5.305131			4.33
hi	4.83		hi+1	4.33
(xh+1)-xi	3.25			
		a	6.631413	
		b	1.188986	
		c	0.544535	
Hh+1	4.897892			

ITERACION 16				
Hi	4.897892			3.83
hi	4.33		hi+1	3.83
(xh+1)-xi	3.25			
		a	6.122365	
		b	1.083079	
		c	0.616427	
Hh+1	4.422859			

ITERACION 10				
Hi	4.422859			3.33
hi	3.83		hi+1	2.97
(xh+1)-xi	3.25			
		a	5.528574	
		b	0.961366	
		c	0.667306	
Hh+1	3.899902			

ITERACION 11				
Hi	3.899902			2.97
hi	3.33		hi+1	2.97
(xh+1)-xi	3.23			
		a	4.874878	
		b	0.869573	
		c	0.503313	
Hh+1	3.501992			

ITERACION 12				
Hi	5.713285			6.6
hi	6.66		hi+1	6.54
(xh+1)-xi	5.06			
		a	7.141606	
		b	1.415337	
		c	-0.039721	
Hh+1	5.765991			

ITERACION 13				
Hi	5.765991			6.48
hi	6.54		hi+1	6.48
(xh+1)-xi	5.06			
		a	7.207489	
		b	1.424493	
		c	0.027991	
Hh+1	5.751225			

ITERACION 14				
Hi	5.751225			6.42
hi	6.48		hi+1	6.42
(xh+1)-xi	5.06			
		a	7.189031	
		b	1.414642	
		c	0.052586	
Hh+1	5.711951			

ITERACION 15				
Hi	5.711951			6.36
hi	6.42		hi+1	6.36
(xh+1)-xi	5.06			
		a	7.139939	
		b	1.414642	
		c	0.061646	
Hh+1	5.663651			

ITERACION 16				
Hi	5.663651			6.3
hi	6.36		hi+1	6.3
(xh+1)-xi	5.06			
		a	7.079664	
		b	1.389649	
		c	0.064966	
Hh+1	5.612043			

ITERACION 7				
Hi	5.612043			6.24
hi	6.3		hi+1	6.24
(xh+1)-xi	5.06			
		a	7.015054	
		b	1.389649	
		c	0.066167	
Hh+1	5.559239			

ITERACION 11				
Hi	4.775931			
hi	4.81	hi+1	4.58	
(x _{h+1}) _{xi}	3			
a	5.869913			
b	1.13689			
c	0.277843			
Hh+1	4.555181			

PERFIL 2+200

ITERACION 1				
Hi	5.46			
hi	6.66	hi+1	6.54	
(x _{h+1}) _{xi}	5.25			
a	6.825			
b	1.340405			
c	-0.250037			
Hh+1	5.734631			

ITERACION 9				
Hi	5.708416			
hi	6.23	hi+1	6.04	
(x _{h+1}) _{xi}	5			
a	7.13552			
b	1.383561			
c	0.168487			
Hh+1	5.583483			

ITERACION 11				
Hi	4.489737			
hi	4.35	hi+1	4.1	
(x _{h+1}) _{xi}	2.5			
a	5.612171			
b	1.057927			
c	0.303029			
Hh+1	4.251215			

PERFIL 2+100

ITERACION 1				
Hi	5.46			
hi	6.66	hi+1	6.6	
(x _{h+1}) _{xi}	5.53			
a	6.825			
b	1.352703			
c	-0.263372			
Hh+1	5.735669			

ITERACION 9				
Hi	5.548337			
hi	5.93	hi+1	5.73	
(x _{h+1}) _{xi}	3.71			
a	6.935422			
b	1.340302			
c	0.181762			
Hh+1	5.413357			

ITERACION 11				
Hi	4.981106			
hi	4.93	hi+1	4.73	
(x _{h+1}) _{xi}	2.5			
a	6.101382			
b	1.170772			
c	0.226273			
Hh+1	4.704337			

ITERACION 19				
Hi	2.875967			
hi	2.85	hi+1	2.65	
(x _{h+1}) _{xi}	2.5			
a	3.594959			
b	0.668536			
c	0.261354			
Hh+1	2.665069			

ITERACION 12				
Hi	4.555181			
hi	4.58	hi+1	4.27	
(x _{h+1}) _{xi}	4			
a	5.693976			
b	1.061715			
c	0.37539			
Hh+1	4.256871			

ITERACION 2				
Hi	5.794631			
hi	6.54	hi+1	6.42	
(x _{h+1}) _{xi}	5.25			
a	7.169289			
b	1.407352			
c	0.008123			
Hh+1	5.752814			

ITERACION 10				
Hi	5.583483			
hi	6.04	hi+1	5.85	
(x _{h+1}) _{xi}	5			
a	6.979354			
b	1.351961			
c	0.200804			
Hh+1	5.426589			

ITERACION 12				
Hi	4.251215			
hi	4.1	hi+1	3.85	
(x _{h+1}) _{xi}	2.5			
a	5.314019			
b	0.997999			
c	0.311549			
Hh+1	4.004472			

ITERACION 2				
Hi	5.735669			
hi	6.6	hi+1	6.54	
(x _{h+1}) _{xi}	5.53			
a	7.169587			
b	1.420682			
c	-0.027611			
Hh+1	5.776316			

ITERACION 10				
Hi	5.413357			
hi	5.73	hi+1	5.53	
(x _{h+1}) _{xi}	3.71			
a	6.766696			
b	1.26564			
c	0.208068			
Hh+1	5.252526			

ITERACION 12				
Hi	4.704337			
hi	4.73	hi+1	4.53	
(x _{h+1}) _{xi}	2.5			
a	5.890422			
b	1.126356			
c	0.234607			
Hh+1	4.519459			

ITERACION 20				
Hi	2.665069			
hi	2.65	hi+1	2.45	
(x _{h+1}) _{xi}	2.57			
a	3.331336			
b	0.615883			
c	0.262224			
Hh+1	2.453128			

ITERACION 13				
Hi	4.256871			
hi	4.27	hi+1	4.01	
(x _{h+1}) _{xi}	3.07			
a	5.321089			
b	0.999418			
c	0.293437			
Hh+1	4.028234			

ITERACION 3				
Hi	5.752814			
hi	6.42	hi+1	6.3	
(x _{h+1}) _{xi}	5.25			
a	7.191018			
b	1.411321			
c	0.091309			
Hh+1	5.688387			

ITERACION 11				
Hi	5.426589			
hi	5.85	hi+1	5.6	
(x _{h+1}) _{xi}	2.5			
a	6.783236			
b	1.284438			
c	0.106733			
Hh+1	5.377832			

ITERACION 13				
Hi	4.004472			
hi	3.85	hi+1	3.6	
(x _{h+1}) _{xi}	2.5			
a	5.005689			
b	0.93611			
c	0.317333			
Hh+1	3.752147			

ITERACION 4				
Hi	5.757354			
hi	6.54	hi+1	6.48	
(x _{h+1}) _{xi}	5.53			
a	7.20395			
b	1.430631			
c	0.03782			
Hh+1	5.757145			

ITERACION 11				
Hi	5.252526			
hi	5.53	hi+1	5.33	
(x _{h+1}) _{xi}	3.71			
a	6.565657			
b	1.221708			
c	0.222663			
Hh+1	5.077354			

ITERACION 13				
Hi	4.519459			
hi	4.53	hi+1	3.85	
(x _{h+1}) _{xi}	2.5			
a	5.649324			
b	0.96026			
c	0.240336			
Hh+1	4.448727			

ITERACION 21				
Hi	2.453128			
hi	2.45	hi+1	2.25	
(x _{h+1}) _{xi}	0.83			
a	3.06641			
b	0.563218			
c	0.246981			
Hh+1	2.256211			

ITERACION 14				
Hi	4.028234			
hi	4.01	hi+1	3.75	
(x _{h+1}) _{xi}	3.07			
a	5.035293			
b	0.941763			
c	0.310675			
Hh+1	3.782855			

ITERACION 4				
Hi	5.688387			
hi	6.3	hi+1	6.18	
(x _{h+1}) _{xi}	5.25			
a	7.110484			
b	1.395009			
c	0.120496			
Hh+1	5.594979			

ITERACION 12				
Hi	5.377832			
hi	5.6	hi+1	5.35	
(x _{h+1}) _{xi}	2.5			
a	6.72229			
b	1.284438			
c	0.170207			
Hh+1	5.267645			

ITERACION 14				
Hi	3.752147			
hi	3.6	hi+1	3.35	
(x _{h+1}) _{xi}	2.5			
a	4.690183			
b	0.872895			
c	0.321145			
Hh+1	3.496143			

ITERACION 4				
Hi	5.757354			
hi	6.48	hi+1	6.42	
(x _{h+1}) _{xi}	5.53			
a	7.189691			
b	1.424622			
c	0.057836			
Hh+1	5.707223			

ITERACION 12				
Hi	5.077354			
hi	5.33	hi+1	5.13	
(x _{h+1}) _{xi}	3.71			
a	6.346692			
b	1.221708			
c	0.2306			
Hh+1	4.894384			

ITERACION 14				
Hi	4.448727			
hi	3.85	hi+1	3.65	
(x _{h+1}) _{xi}	2.5			
a	5.560909			
b	1.054406			
c	0.514495			
Hh+1	3.992008			

ITERACION 21				
Hi	2.256211			
hi	2.25	hi+1	2.18	
(x _{h+1}) _{xi}	0.83			

ITERACION 1										
HI	5.73									
hi	6.72	hi+1	6.63							
(xH+1)-xi	5.31									
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a	7.1625									
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c	-0.100265									
H+1	5.849451									

ITERACION 9										
HI	5.249846									
hi	5.28	hi+1	5.19							
(xH+1)-xi	3									
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ITERACION 13										
HI	3.47997									
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H+1	3.224074									

ITERACION 1										
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ITERACION 9										
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ITERACION 14										
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H+1	3.780519									

ITERACION 1										
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ITERACION 9										
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ITERACION 2										
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H+1	5.8372									

ITERACION 10										
HI	4.991324									
hi	5.19	hi+1	4.94							
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ITERACION 14										
HI	3.224074									
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ITERACION 2										
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ITERACION 10										
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H+1	5.396843									

ITERACION 15										
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hi	3.7	hi+1	3.5							
(xH+1)-xi	2.31									
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H+1	3.568856									

ITERACION 3										
HI	5.8372									
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H+1	5.780284									

ITERACION 11										
HI	4.843993									
hi	4.94	hi+1	4.69							
(xH+1)-xi	3									
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H+1	4.655072									

ITERACION 15										
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hi	2.94	hi+1	2.69							
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H+1	2.717164									

ITERACION 3										
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ITERACION 11										
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H+1	5.220543									

ITERACION 16										
HI	3.568856									
hi	3.5	hi+1	3.23							
(xH+1)-xi	3									
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H+1	3.300987									

ITERACION 3										
HI	5.917699									
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ITERACION 11										
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hi	3.74	hi+1	3.41							
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ITERACION 4										
HI	5.780284									
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H+1	5.7077									

ITERACION 12										
HI	4.655072									
hi	4.69	hi+1	4.44							
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ITERACION 16										
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H+1	2.467664									

ITERACION 4										
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ITERACION 12										
HI	5.220543									
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ITERACION 17										
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ITERACION 4										
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ITERACION 12										
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ITERACION 5										
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ITERACION 13										
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ITERACION 17										
HI	2.467664									
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c	0.190041									
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ITERACION 5										
HI	5.750718									
hi	6.44	hi+1	6.37							
(xH+1)-xi	5.03									
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a	7.188397									
b	1.422053									
c	0.07471									
H+1	5.691635									

ITERACION 13				
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ITERACION 12									
HI	1.78615								
hi	1.76	hi+1	1.43						
(hi+1)-xi	3.85								
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a	2.232688								
b	0.362812								
c	0.418628								
Hh+1	1.451248								

ITERACION 13									
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(hi+1)-xi	3.85								
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Hh+1	1.116344								

ITERACION 14									
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ITERACION 1									
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Hh+1	5.834722								

ITERACION 2									
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(hi+1)-xi	4.53								
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Hh+1	5.835482								

ITERACION 3									
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Hh+1	5.790845								

ITERACION 9									
HI	5.51136								
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(hi+1)-xi	2.15								
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ITERACION 10									
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ITERACION 11									
HI	5.25542								
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(hi+1)-xi	2.53								
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ITERACION 13									
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ITERACION 14									
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ITERACION 15									
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(hi+1)-xi	3.1								
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ITERACION 1									
HI	5.73								
hi	6.72	hi+1	6.63						
(hi+1)-xi	5.164								
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ITERACION 2									
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(hi+1)-xi	5.164								
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ITERACION 3									
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ITERACION 9									
HI	5.245143								
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(hi+1)-xi	4.7								
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a	6.556428								
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ITERACION 10									
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hi	5.27	hi+1	5.07						
(hi+1)-xi	3.1								
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ITERACION 11									
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hi	5.07	hi+1	4.87						
(hi+1)-xi	3.1								
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ITERACION 13									
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hi	3.87	hi+1	3.67						
(hi+1)-xi	2.59								
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ITERACION 14									
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(hi+1)-xi	2.59								
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ITERACION 15									
HI	3.454694								
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(hi+1)-xi	2.59								
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ITERACION 4									
HI	5.790845								
hi	6.45	hi+1	6.36						
(hi+1)-xi	4.53								
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ITERACION 5									
HI	5.725879								
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(hi+1)-xi	4.53								
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Hh+1	5.651798								

ITERACION 6									
HI	5.651798								
hi	6.27	hi+1	6.07						
(hi+1)-xi	2.15								
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b	1.365999								
c	0.046706								
Hh+1	5.650162								

ITERACION 7									
HI	5.650162								
hi	6.07	hi+1	5.87						
(hi+1)-xi	2.15								
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c	0.09723								
Hh+1	5.599474								

ITERACION 8									
HI	5.599474								
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(hi+1)-xi	2.15								
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b	1.352173								
c	0.13581								
Hh+1	5.51136								

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PDF-FIL 1-600

ITERACION 1			
HI	5.73	hi	6.65
hi	6.72	hh+1	6.58
(hh+1)-xi	5.79		
a	7.1625	b	1.417578
b	1.417578	c	-0.109329
c	-0.109329		
HH+1	5.854251		

ITERACION 9			
HI	5.64385	hi	6.149
hi	6.316	hh+1	6.149
(hh+1)-xi	4.58		
a	7.054813	b	1.373856
b	1.373856	c	0.070316
c	0.070316		
HH+1	5.610841		

ITERACION 12			
HI	4.391066	hi	3.998
hi	4.328	hh+1	3.998
(hh+1)-xi	3.74		
a	5.488833	b	1.014064
b	1.014064	c	0.405888
c	0.405888		
HH+1	4.068881		

ITERACION 1			
HI	5.29	hi	5.76
hi	5.82	hh+1	5.76
(hh+1)-xi	5.33		
a	6.6125	b	1.308866
b	1.308866	c	0.148209
c	0.148209		
HH+1	5.155425		

ITERACION 9			
HI	4.980739	hi	4.77
hi	5.1	hh+1	4.77
(hh+1)-xi	4.26		
a	6.225924	b	1.164614
b	1.164614	c	0.342652
c	0.342652		
HH+1	4.718658		

ITERACION 12			
HI	3.413602	hi	3.22
hi	3.42	hh+1	3.22
(hh+1)-xi	2.5		
a	4.267002	b	0.803494
b	0.803494	c	0.241178
c	0.241178		
HH+1	3.22233		

ITERACION 2			
HI	5.843251	hi	6.58
hi	6.65	hh+1	6.58
(hh+1)-xi	5.79		
a	7.317813	b	1.448157
b	1.448157	c	0.025731
c	0.025731		
HH+1	5.843925		

ITERACION 10			
HI	5.610841	hi	5.982
hi	6.149	hh+1	5.982
(hh+1)-xi	4.58		
a	7.013551	b	1.364614
b	1.364614	c	0.140392
c	0.140392		
HH+1	5.508545		

ITERACION 13			
HI	4.068881	hi	3.668
hi	3.998	hh+1	3.668
(hh+1)-xi	3.74		
a	5.086101	b	0.933258
b	0.933258	c	0.414473
c	0.414473		
HH+1	3.73837		

ITERACION 2			
HI	5.29	hi	5.76
hi	5.82	hh+1	5.76
(hh+1)-xi	5.33		
a	6.6125	b	1.308866
b	1.308866	c	0.148209
c	0.148209		
HH+1	5.155425		

ITERACION 10			
HI	4.718658	hi	4.57
hi	4.77	hh+1	4.57
(hh+1)-xi	2.5		
a	5.898322	b	1.130203
b	1.130203	c	0.2247
c	0.2247		
HH+1	4.54342		

ITERACION 13			
HI	3.22233	hi	3.02
hi	3.22	hh+1	3.02
(hh+1)-xi	2.5		
a	4.027912	b	0.756546
b	0.756546	c	0.245962
c	0.245962		
HH+1	3.026404		

ITERACION 3			
HI	5.843925	hi	6.51
hi	6.58	hh+1	6.51
(hh+1)-xi	5.79		
a	7.304907	b	1.45439
b	1.45439	c	0.063031
c	0.063031		
HH+1	5.796436		

ITERACION 11			
HI	5.08545	hi	5.815
hi	5.982	hh+1	5.815
(hh+1)-xi	4.58		
a	6.885681	b	1.336691
b	1.336691	c	0.170991
c	0.170991		
HH+1	5.375999		

ITERACION 14			
HI	3.73837	hi	3.418
hi	3.668	hh+1	3.418
(hh+1)-xi	2.825		
a	4.672962	b	0.870893
b	0.870893	c	0.316056
c	0.316056		
HH+1	3.468013		

ITERACION 3			
HI	5.29	hi	5.76
hi	5.82	hh+1	5.76
(hh+1)-xi	5.33		
a	6.6125	b	1.308866
b	1.308866	c	0.148209
c	0.148209		
HH+1	5.155425		

ITERACION 11			
HI	4.54342	hi	4.37
hi	4.57	hh+1	4.37
(hh+1)-xi	2.5		
a	5.679275	b	1.086146
b	1.086146	c	0.233883
c	0.233883		
HH+1	4.359246		

ITERACION 14			
HI	3.026404	hi	2.82
hi	3.02	hh+1	2.82
(hh+1)-xi	2.5		
a	3.783005	b	0.656853
b	0.656853	c	0.248533
c	0.248533		
HH+1	2.827977		

ITERACION 4			
HI	5.796436	hi	6.44
hi	6.51	hh+1	6.44
(hh+1)-xi	5.79		
a	7.245545	b	1.433527
b	1.433527	c	0.07376
c	0.07376		
HH+1	5.738258		

ITERACION 12			
HI	5.375999	hi	5.648
hi	5.815	hh+1	5.648
(hh+1)-xi	4.58		
a	6.719999	b	1.305402
b	1.305402	c	0.184255
c	0.184255		
HH+1	5.230343		

ITERACION 15			
HI	3.468013	hi	3.168
hi	3.418	hh+1	3.168
(hh+1)-xi	2.825		
a	4.357516	b	0.80776
b	0.80776	c	0.317518
c	0.317518		
HH+1	3.232239		

ITERACION 4			
HI	5.29	hi	5.76
hi	5.82	hh+1	5.76
(hh+1)-xi	5.33		
a	6.6125	b	1.308866
b	1.308866	c	0.148209
c	0.148209		
HH+1	5.155425		

ITERACION 12			
HI	4.359246	hi	4.17
hi	4.37	hh+1	4.17
(hh+1)-xi	2.5		
a	5.449058	b	1.038935
b	1.038935	c	0.240089
c	0.240089		
HH+1	4.169034		

ITERACION 15			
HI	2.827977	hi	2.62
hi	2.82	hh+1	2.62
(hh+1)-xi	2.5		
a	3.534971	b	0.606913
b	0.606913	c	0.249835
c	0.249835		
HH+1	2.628283		

ITERACION 5			
HI	5.738258	hi	6.37
hi	6.44	hh+1	6.37
(hh+1)-xi	5.79		
a	7.172822	b	1.418971
b	1.418971	c	0.07682
c	0.07682		
HH+1	5.67703		

ITERACION 13			
HI	5.230343	hi	5.318
hi	5.648	hh+1	5.318
(hh+1)-xi	3.68		
a	6.537928	b	1.231186
b	1.231186	c	0.152549
c	0.152549		
HH+1	5.154193		

ITERACION 16			
HI	3.232239	hi	2.918
hi	3.168	hh+1	2.918
(hh+1)-xi	2.825		
a	4.040299	b	0.744292
b	0.744292	c	0.318294
c	0.318294		
HH+1	2.977713		

ITERACION 5			
HI	5.29	hi	5.76
hi	5.82	hh+1	5.76
(hh+1)-xi	5.33		
a	6.6125	b	1.308866
b	1.308866	c	0.148209
c	0.148209		
HH+1	5.155425		

ITERACION 13			
HI	4.169034	hi	3.97
hi	4.17	hh+1	3.97
(hh+1)-xi	2.5		
a	5.211293	b	0.99227
b	0.99227	c	0.244202
c	0.244202		
HH+1	3.97482		

ITERACION 16			
HI	2.628283	hi	2.42
hi	2.62	hh+1	2.42
(hh+1)-xi	2.5		
a	3.285354	b	0.606913
b	0.606913	c	0.250447
c	0.250447		
HH+1	2.427994		

ITERACION 6			
HI	5.67703	hi	6.3
hi	6.37	hh+1	6.3
(hh+1)-xi	5.79		
a	7.096288	b	1.403661
b	1.403661	c	0.077674
c	0.077674		
HH+1	5.614953		

ITERACION 14			
HI	5.154193	hi	4.988
hi	5.318	hh+1	4.988
(hh+1)-xi	3.68		
a	6.42741	b	1.208589
b	1.208589	c	0.275384
c	0.275384		
HH+1	4.958767		

ITERACION 17			
HI	2.977713	hi	1.688
hi	2.918	hh+1	1.688
(hh+1)-xi	2.825		
a	3.722141	b	0.430636
b	0.430636	c	0.318675
c	0.318675		
HH+1	2.972831		

ITERACION 1			
Hi	5.73	hi	6.65
hi	6.72	hh+1	6.65
(hh+1)>xi	6.03		
		a	7.1625
		b	1.417578
		c	-0.113861
HH+1	5.658782		

ITERACION 9			
Hi	5.663431	hi	6.275
hi	6.4	hh+1	6.275
(hh+1)>xi	5.08		
		a	7.079289
		b	1.369204
		c	0.041806
HH+1	5.649279		

ITERACION 12			
Hi	5.060084	hi	5.05
hi	5.25	hh+1	5.05
(hh+1)>xi	2.1		
		a	6.325105
		b	1.21683
		c	0.148578
HH+1	4.959697		

ITERACION 20			
Hi	2.769721	hi	2.22
hi	2.47	hh+1	2.22
(hh+1)>xi	2.62		
		a	3.462151
		b	0.622346
		c	0.47973
HH+1	2.360075		

ITERACION 1			
Hi	5.73	hi	6.63
hi	6.72	hh+1	6.63
(hh+1)>xi	6.73		
		a	7.1625
		b	1.413315
		c	-0.127078
HH+1	5.876263		

ITERACION 9			
Hi	5.249624	hi	5.47
hi	5.67	hh+1	5.47
(hh+1)>xi	5.52		
		a	6.56203
		b	1.266113
		c	0.227983
HH+1	5.067933		

ITERACION 8			
Hi	4.106619	hi	3.81
hi	4.14	hh+1	3.81
(hh+1)>xi	4.21		
		a	5.133274
		b	0.94482
		c	0.386844
HH+1	3.80161		

ITERACION 3			
Hi	5.843993	hi	6.51
hi	6.58	hh+1	6.51
(hh+1)>xi	6.03		
		a	7.304992
		b	1.45456
		c	0.065695
HH+1	5.79384		

ITERACION 11			
Hi	5.671671	hi	6.025
hi	6.15	hh+1	6.025
(hh+1)>xi	5.08		
		a	6.964689
		b	1.364606
		c	0.129094
HH+1	5.470889		

ITERACION 14			
Hi	4.831214	hi	4.85
hi	4.85	hh+1	4.65
(hh+1)>xi	2.1		
		a	6.039018
		b	1.157997
		c	0.199482
HH+1	4.681539		

ITERACION 22			
Hi	2.051423	hi	1.72
hi	1.97	hh+1	1.72
(hh+1)>xi	2.62		
		a	2.564279
		b	0.447773
		c	0.334622
HH+1	1.781684		

ITERACION 3			
Hi	5.83303	hi	6.45
hi	6.54	hh+1	6.45
(hh+1)>xi	6.73		
		a	7.291288
		b	1.43819
		c	0.094074
HH+1	5.759024		

ITERACION 11			
Hi	4.883499	hi	6.38
hi	5.27	hh+1	6.38
(hh+1)>xi	2.87		
		a	6.104374
		b	1.478023
		c	0.12035
HH+1	4.506001		

ITERACION 10			
Hi	3.61382	hi	3.41
hi	3.61	hh+1	3.41
(hh+1)>xi	2.47		
		a	4.517275
		b	0.853402
		c	0.243619
HH+1	3.420254		

ITERACION 5			
Hi	5.794571	hi	6.44
hi	6.44	hh+1	6.37
(hh+1)>xi	6.03		
		a	7.168214
		b	1.41806
		c	0.077173
HH+1	5.672981		

ITERACION 13			
Hi	5.361701	hi	5.775
hi	5.9	hh+1	5.775
(hh+1)>xi	5.08		
		a	6.702126
		b	1.312026
		c	0.140555
HH+1	5.249545		

ITERACION 16			
Hi	4.478116	hi	4.15
hi	4.4	hh+1	4.15
(hh+1)>xi	2.59		
		a	5.597644
		b	1.055919
		c	0.287074
HH+1	4.254651		

ITERACION 5			
Hi	5.679686	hi	6.27
hi	6.36	hh+1	6.27
(hh+1)>xi	6.73		
		a	7.099608
		b	1.389828
		c	0.100311
HH+1	5.599468		

ITERACION 13			
Hi	5.002797	hi	6.13
hi	6.13	hh+1	5.88
(hh+1)>xi	2.87		
		a	6.253496
		b	1.199692
		c	-0.146201
HH+1	5.200005		

ITERACION 12			
Hi	3.420254	hi	3.21
hi	3.21	hh+1	3.01
(hh+1)>xi	2.47		
		a	4.029054
		b	0.755604
		c	0.249192
HH+1	3.054258		

ITERACION 6			
Hi	5.679981	hi	6.37
hi	6.37	hh+1	6.3
(hh+1)>xi	6.03		
		a	7.091227
		b	1.40266
		c	0.07775
HH+1	5.610817		

ITERACION 14			
Hi	5.249545	hi	5.65
hi	5.75	hh+1	5.65
(hh+1)>xi	5.08		
		a	6.561931
		b	1.28398
		c	0.141573
HH+1	5.136378		

ITERACION 17			
Hi	4.254651	hi	4.15
hi	4.15	hh+1	2.97
(hh+1)>xi	2.59		
		a	5.318313
		b	0.761224
		c	0.301067
HH+1	4.256023		

ITERACION 6			
Hi	5.599468	hi	6.27
hi	6.27	hh+1	6.07
(hh+1)>xi	5.52		
		a	6.998336
		b	1.355214
		c	0.082388
HH+1	5.561734		

ITERACION 7			
Hi	5.561734	hi	6.07
hi	6.07	hh+1	5.87
(hh+1)>xi	5.52		
		a	6.952167
		b	1.34482
		c	0.185919
HH+1	5.421627		

ITERACION 15			
Hi	4.493824	hi	4.8
hi	4.8	hh+1	4.47
(hh+1)>xi	4.21		
		a	5.61728
		b	1.046218
		c	0.208152
HH+1	4.36291		

ITERACION 8			
Hi	5.495103	hi	6.4
hi	6.525	hh+1	6.4
(hh+1)>xi	5.08		
		a	6.868879
		b	1.347458
		c	-0.14201
HH+1	5.663431		

ITERACION 16			
Hi	5.123171	hi	5.45
hi	5.45	hh+1	5.25
(hh+1)>xi	2.1		
		a	6.403964
		b	1.233791
		c	0.110088
HH+1	5.060084		

ITERACION 19			
Hi	3.373772	hi	2.72
hi	2.72	hh+1	2.47
(hh+1)>xi	2.62		
		a	4.217215
		b	0.765921
		c	0.681573
HH+1	2.769721		

ITERACION 18			
Hi	4.256023	hi	2.97
hi	2.97	hh+1	2.72
(hh+1)>xi	2.59		
		a	5.320029
		b	0.974443
		c	0.971814
HH+1	3.373772		

ITERACION 8			
Hi	5.421627	hi	5.87
hi	5.87	hh+1	5.67
(hh+1)>xi	5.52		
		a	6.777034
		b	1.309226
		c	0.218189
HH+1	5.249624		

ITERACION 16			
Hi	4.36291	hi	4.47
hi	4.47	hh+1	4.14
(hh+1)>xi	4.21		
		a	5.453638
		b	1.010204
		c	0.336814
HH+1	4.106619		

ITERACION 1									
HI	5.73								
hi	6.72	hh+1	6.595						
(x+1)>x	4.8								
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b	1.405854								
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HH+1	5.847281								

ITERACION 9									
HI	5.21213								
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(x+1)>x	4.775								
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b	1.473885								
c	0.141511								
HH+1	4.899767								

ITERACION 10									
HI	5.098725								
hi	5.95	hh+1	5.345						
(x+1)>x	3.12								
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ITERACION 19									
HI	3.612393								
hi	3.95	hh+1	3.345						
(x+1)>x	3.04								
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ITERACION 1									
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ITERACION 9									
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ITERACION 12									
HI	4.286607								
hi	4.39	hh+1	4.14						
(x+1)>x	3.5								
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HH+1	4.066554								

ITERACION 18									
HI	2.358606								
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ITERACION 2									
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hi	6.47	hh+1	6.345						
(x+1)>x	4.8								
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ITERACION 10									
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hi	6.47	hh+1	6.345						
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ITERACION 11									
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hi	5.345	hh+1	5.095						
(x+1)>x	3.12								
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HH+1	4.941176								

ITERACION 20									
HI	3.366907								
hi	3.45	hh+1	3.095						
(x+1)>x	3.04								
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HH+1	3.117713								

ITERACION 2									
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ITERACION 10									
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ITERACION 11									
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ITERACION 19									
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ITERACION 3									
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ITERACION 11									
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ITERACION 12									
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ITERACION 11									
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ITERACION 12									
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ITERACION 20									
HI	1.865174								
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ITERACION 4									
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ITERACION 12									
HI	5.533883								
hi	6.22	hh+1	6.095						
(x+1)>x	4.775								
<table border="1"> <tr> <td>a</td> <td>6.917354</td> </tr> <tr> <td>b</td> <td>1.34768</td> </tr> <tr> <td>c</td> <td>0.059095</td> </tr> </table>				a	6.917354	b	1.34768	c	0.059095
a	6.917354								
b	1.34768								
c	0.059095								
HH+1	5.503592								

ITERACION 13									
HI	4.766886								
hi	4.845	hh+1	4.595						
(x+1)>x	3.12								
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a	5.958583								
b	1.130224								
c	0.267943								
HH+1	4.560415								

ITERACION 22									
HI	2.866809								
hi	2.845	hh+1	2.595						
(x+1)>x	3.04								
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a	3.585512								
b	0.653723								
c	0.314591								
HH+1	2.615198								

ITERACION 4									
HI	5.747019								
hi	6.48	hh+1	6.4						
(x+1)>x	9.05								
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a	7.183773								
b	1.419017								
c	0.088214								
HH+1	5.675542								

ITERACION 12									
HI	5.144647								
hi	5.64	hh+1	5.39						
(x+1)>x	4.15								
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a	6.430809								
b	1.229151								
c	0.126184								
HH+1	5.075474								

ITERACION 12									
HI	3.589669								
hi	3.64	hh+1	3.39						
(x+1)>x	3.5								
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a	4.487086								
b	0.774514								
c	0.306589								
HH+1	3.344716								

ITERACION 13									
HI	1.618458								
hi	1.64	hh+1	1.41						
(x+1)>x	3.05								
<table border="1"> <tr> <td>a</td> <td>2.023072</td> </tr> <tr> <td>b</td> <td>0.34787</td> </tr> <tr> <td>c</td> <td>0.268744</td> </tr> </table>				a	2.023072	b	0.34787	c	0.268744
a	2.023072								
b	0.34787								
c	0.268744								
HH+1	1.406458								

ITERACION 5									
HI	5.657146								
hi	6.22	hh+1	6.095						
(x+1)>x	4.8								
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a	7.071433								
b	1.385864								
c	0.135688								
HH+1	5.54988								

ITERACION 13									
HI	5.503592								
hi	6.095	hh+1	5.97						
(x+1)>x	4.775								
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a	6.87949								
b	1.327124								
c	0.129998								
HH+1	5.420203								

ITERACION 15									
HI	4.560415								
hi	4.595	hh+1	4.345						
(x+1)>x	3.08								
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a	5.700519								
b	1.078074								
c	0.294238								
HH+1	4.338207								

ITERACION 5									
HI	5.675542								
hi	6.4	hh+1	6.32						
(x+1)>x	9.05								
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a	7.094427								
b	1.401149								
c	0.088602								
HH+1	5.604676								

ITERACION 1			
Hi	5.73	hi	6.595
hi	6.72	hh+1	6.47
(xh+1)>xi	5.16		
a	7.1625		
b	1.405854		
c	-0.097433		
HH+1	5.854079		

ITERACION 9			
Hi	5.196952	hi	5.58
hi	5.72	hh+1	5.44
(xh+1)>xi	8.25		
a	6.49619		
b	1.267438		
c	-0.228903		
HH+1	5.001848		

ITERACION 10			
Hi	4.297322	hi	4.33
hi	4.58	hh+1	4.08
(xh+1)>xi	5.1		
a	5.371652		
b	1.015688		
c	0.26039		
HH+1	4.095574		

ITERACION 18			
Hi	2.453017	hi	2.33
hi	2.58	hh+1	2.08
(xh+1)>xi	4.87		
a	3.066271		
b	0.55383		
c	0.295682		
HH+1	2.216559		

ITERACION 19			
Hi	2.216559	hi	1.97814
hi	2.216559	hh+1	2.08
(xh+1)>xi	4.87		
a	2.770699		
b	0.494683		
c	0.297876		
HH+1	1.97814		

ITERACION 2			
Hi	5.937253	hi	6.63
hi	6.72	hh+1	6.54
(xh+1)>xi	9.96		
a	7.1625		
b	1.413315		
c	-0.186068		
HH+1	5.937253		

ITERACION 9			
Hi	5.536946	hi	5.925
hi	6.255	hh+1	5.8
(xh+1)>xi	10		
a	6.921182		
b	1.311207		
c	0.084705		
HH+1	5.52527		

ITERACION 14			
Hi	4.303364	hi	4.105
hi	4.58	hh+1	3.775
(xh+1)>xi	5.29		
a	4.978822		
b	0.99579		
c	0.400358		
HH+1	3.983058		

ITERACION 2			
Hi	5.854079	hi	6.47
hi	6.595	hh+1	6.47
(xh+1)>xi	5.16		
a	7.317599		
b	1.435781		
c	0.054133		
HH+1	5.827885		

ITERACION 10			
Hi	5.001848	hi	5.44
hi	5.58	hh+1	5.44
(xh+1)>xi	8.25		
a	6.25231		
b	1.190088		
c	0.145582		
HH+1	4.887639		

ITERACION 11			
Hi	4.095574	hi	4.08
hi	4.33	hh+1	4.08
(xh+1)>xi	5.1		
a	5.119468		
b	0.964777		
c	0.290454		
HH+1	3.864236		

ITERACION 19			
Hi	2.216559	hi	2.08
hi	2.33	hh+1	2.08
(xh+1)>xi	4.87		
a	2.770699		
b	0.494683		
c	0.297876		
HH+1	1.97814		

ITERACION 2			
Hi	5.937253	hi	6.63
hi	6.72	hh+1	6.54
(xh+1)>xi	9.96		
a	7.1625		
b	1.413315		
c	-0.186068		
HH+1	5.937253		

ITERACION 10			
Hi	5.52527	hi	5.8
hi	5.925	hh+1	5.8
(xh+1)>xi	10		
a	6.906587		
b	1.352176		
c	0.465597		
HH+1	5.088815		

ITERACION 15			
Hi	3.983058	hi	4.105
hi	4.58	hh+1	3.775
(xh+1)>xi	5.29		
a	4.978822		
b	0.99579		
c	0.400358		
HH+1	3.662848		

ITERACION 3			
Hi	5.827885	hi	6.345
hi	6.47	hh+1	6.345
(xh+1)>xi	5.16		
a	7.284607		
b	1.428774		
c	0.109252		
HH+1	5.746581		

ITERACION 11			
Hi	4.887639	hi	5.3
hi	5.44	hh+1	5.3
(xh+1)>xi	8.25		
a	6.108549		
b	1.178666		
c	0.158621		
HH+1	4.759565		

ITERACION 12			
Hi	3.864236	hi	3.83
hi	4.08	hh+1	3.83
(xh+1)>xi	5.1		
a	4.830295		
b	0.906884		
c	0.295417		
HH+1	3.628014		

ITERACION 20			
Hi	1.97814	hi	1.83
hi	2.08	hh+1	1.83
(xh+1)>xi	4.87		
a	2.472675		
b	0.435096		
c	0.29681		
HH+1	1.74077		

ITERACION 3			
Hi	5.950968	hi	6.45
hi	6.54	hh+1	6.45
(xh+1)>xi	0.38		
a	7.43871		
b	1.467269		
c	0.010872		
HH+1	5.96057		

ITERACION 11			
Hi	5.088815	hi	5.675
hi	5.8	hh+1	5.675
(xh+1)>xi	10		
a	6.361018		
b	1.244785		
c	0.019881		
HH+1	5.096371		

ITERACION 16			
Hi	3.662848	hi	3.445
hi	3.775	hh+1	3.445
(xh+1)>xi	5.29		
a	4.57856		
b	0.835663		
c	0.400246		
HH+1	3.342652		

ITERACION 4			
Hi	5.746581	hi	6.22
hi	6.345	hh+1	6.22
(xh+1)>xi	5.16		
a	7.183226		
b	1.408342		
c	0.129976		
HH+1	5.644907		

ITERACION 12			
Hi	4.759565	hi	5.25
hi	5.3	hh+1	5.25
(xh+1)>xi	8.25		
a	5.949456		
b	1.178666		
c	0.158621		
HH+1	4.614169		

ITERACION 13			
Hi	3.628014	hi	3.58
hi	3.83	hh+1	3.58
(xh+1)>xi	4.81		
a	4.535018		
b	0.8478		
c	0.27916		
HH+1	3.408058		

ITERACION 21			
Hi	1.74077	hi	1.63
hi	1.83	hh+1	1.63
(xh+1)>xi	3.37		
a	2.175962		
b	0.38763		
c	0.205939		
HH+1	1.582393		

ITERACION 4			
Hi	5.96057	hi	6.36
hi	6.45	hh+1	6.36
(xh+1)>xi	0.38		
a	7.450712		
b	1.46935		
c	0.019171		
HH+1	5.966191		

ITERACION 12			
Hi	5.096371	hi	5.55
hi	5.675	hh+1	5.55
(xh+1)>xi	10		
a	6.370464		
b	1.246029		
c	0.189908		
HH+1	4.934527		

ITERACION 17			
Hi	3.342652	hi	3.245
hi	3.445	hh+1	3.245
(xh+1)>xi	3.174		
a	4.178315		
b	0.787148		
c	0.240147		
HH+1	3.151019		

ITERACION 5			
Hi	5.644907	hi	6.095
hi	6.22	hh+1	6.095
(xh+1)>xi	5.16		
a	7.056134		
b	1.382866		
c	0.137694		
HH+1	5.535574		

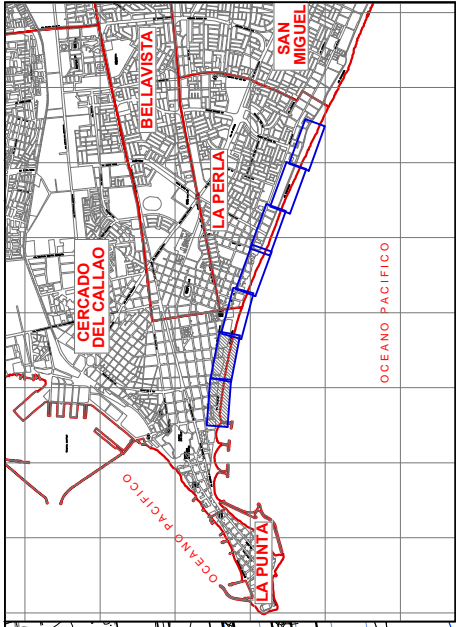
ITERACION 13			
Hi	4.614169	hi	5.11
hi	5.25	hh+1	5.11
(xh+1)>xi	8.25		
a	5.67712		
b	1.122918		
c	0.026734		
HH+1	4.618197		

ITERACION 14			
Hi	3.408058	hi	3.33
hi	3.58	hh+1	3.33
(xh+1)>xi	4.81		
a	4.260072		
b	0.792516		
c	0.296447		
HH+1	3.17091		

ITERACION 22			
Hi	1.582393	hi	1.43
hi	1.63	hh+1	1.43
(xh+1)>xi	3.37		
a	1.977991		
b	0.347059		
c	0.256258		
HH+1	1.374675		

ITERACION 5			
Hi	5.966191	hi	6.27
hi	6.36	hh+1	6.27
(xh+1)>xi	0.38		
a	7.457739		
b	1.470441		
c	0.019342		
HH+1	5.967956		

ITERACION 13			
Hi	4.934527	hi	5.425
hi	5.55	hh+1	5.425
(xh+1)>xi	10		
a	6.188159		
b	1.205847		

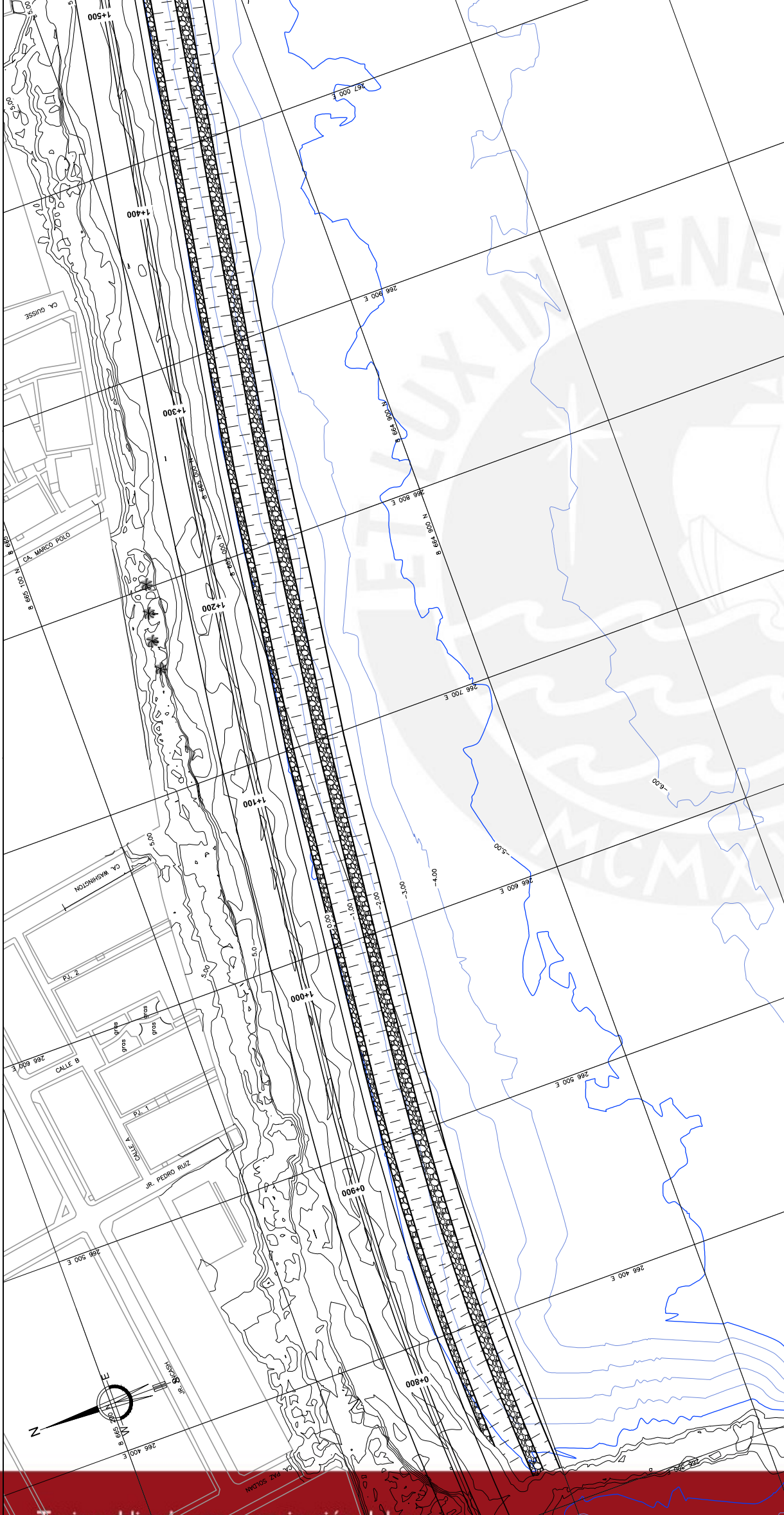


UBICACION
ESCALA: S/E

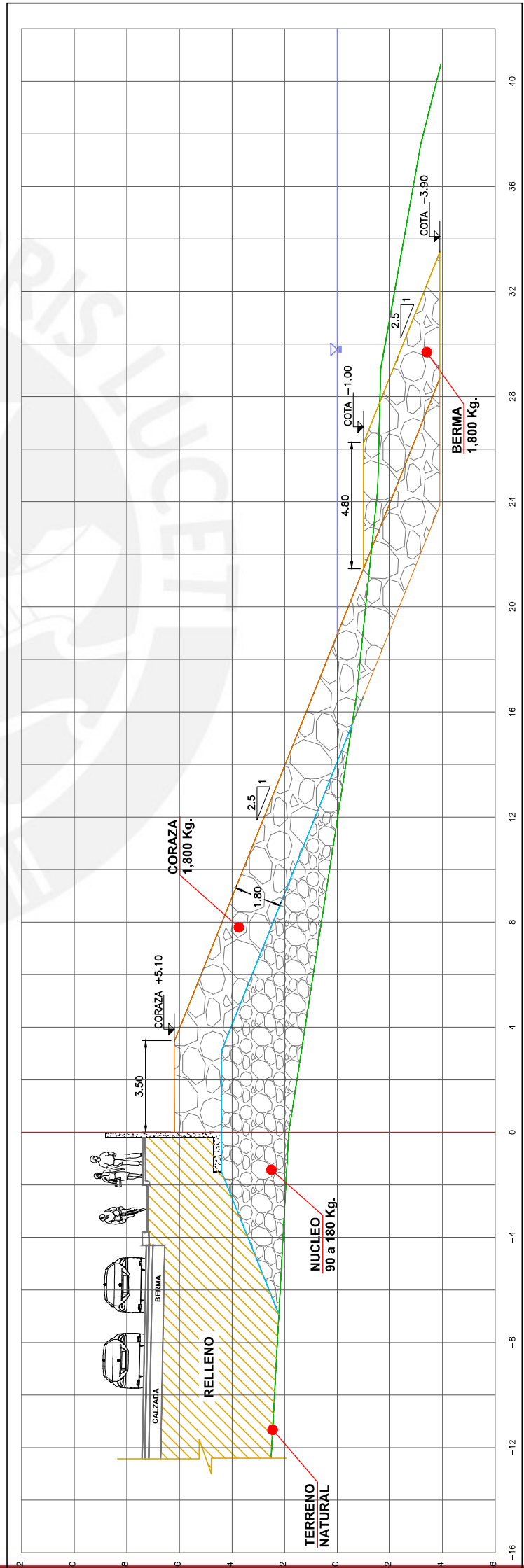
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SECCION	PROG. INICIO	PROG. FINAL	
TIPO 1	0+800	1+500	
TIPO 2	1+500	2+300	
TIPO 3	2+300	4+200	
TIPO 4	4+200	4+700	

SIMBOLOGIA	
SIMBOLOGIA	DESCRIPCION
	EJE DE CARRETERA
	CURVAS MAYORES
	CURVAS MENORES

LEYENDA SECCIONES TÍPICAS	
SIMBOLOGIA	DESCRIPCION
	SECCION NUCLEO
	SECCION CORAZA
	SECCION BERMA



PLANTA
ESCALA: S/E



PERFIL
ESCALA: 1/100

NOTAS :

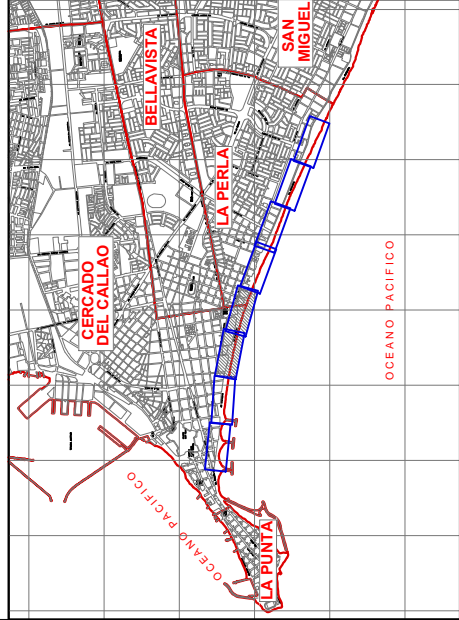
- 1.- DIMENSIONES Y NIVELES EN METROS, SALVO INDICADO.
- 2.- LA COTA DE INICIO DE BERMA ES UN MINIMO A CUMPLIR QUE SERA CONSTATADO EN CAMPO
- 3.- LAS DIMENSIONES DEL MURO RESPONDEN A REQUERIMIENTOS DE LA VIA
- 4.- LA CORONA DE 3.50 METROS DE LA CORAZA ES UN MINIMO A CUMPLIR, POR LO TANTO EL DISEÑO GEOMETRICO DE LA VIA ES REFERENCIAL Y NO NECESARIAMENTE IGUAL AL EJE DEL DIQUE



Nombre de Proyecto :

**CONSTRUCCIÓN DE LA VIA
COSTA VERDE - TRAMO CALLAO**

Plano	1 DE 4
Esc.:	IND.
Título de Documento :	PLANTA GENERAL PROYECTADA ESCOLLERA MARGINAL (Km. 0+800 al Km. 1+500)



UBICACION
ESCALA: 5/1E

CUADRO DE PROGRESIVAS SECCIONES TIPO

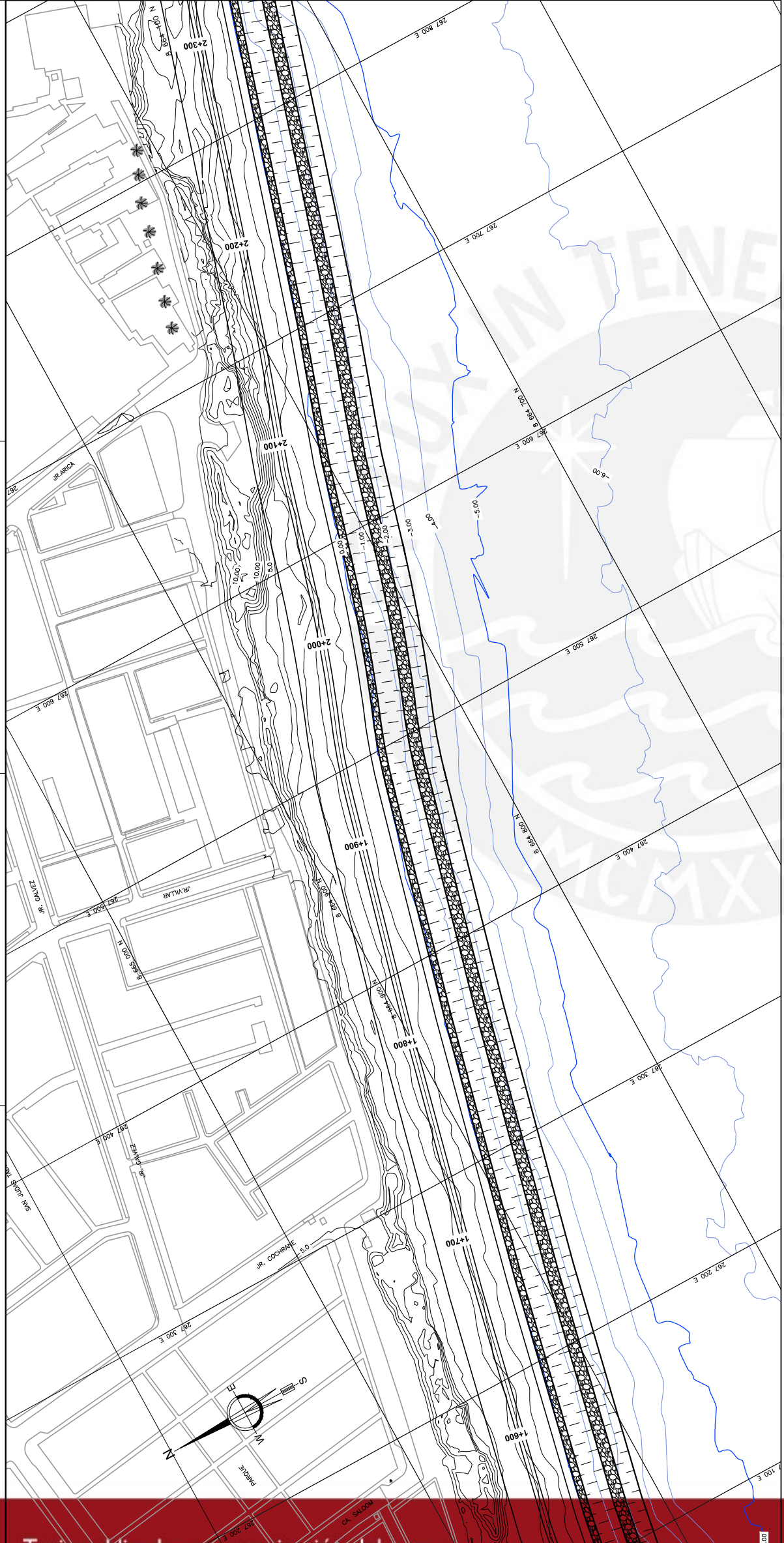
SECCION	PROG. INICIO	PROG. FINAL
TIPO 1	0+800	1+500
TIPO 2	1+500	2+300
TIPO 3	2+300	4+200
TIPO 4	4+200	4+700

SIMBOLOGIA

SIMBOLOGIA	DESCRIPCION
	EJE DE CARRETERA
	CURVAS MAYORES
	CURVAS MENORES

LEYENDA SECCIONES TÍPICAS

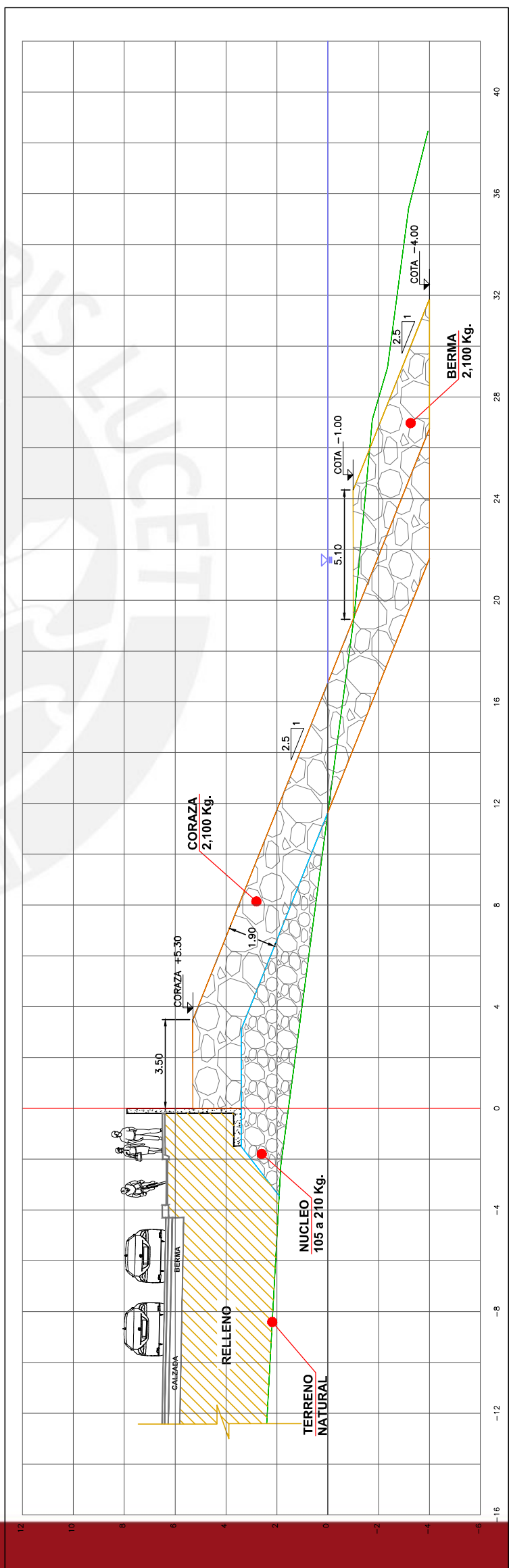
SIMBOLOGIA	DESCRIPCION
	SECCION NUCLEO
	SECCION CORAZA
	SECCION BERMA



PLANTA
ESCALA: 5/1E

NOTAS :

- 1.- DIMENSIONES Y NIVELES EN METROS, SALVO INDICADO.
- 2.- LA COTA DE INICIO DE BERMA ES UN MINIMO A CUMPLIR QUE SERA CONSTATADO EN CAMPO
- 3.- LAS DIMENSIONES DEL MURO RESPONDEN A REQUERIMIENTOS DE LA VIA
- 4.- LA CORONA DE 3.50 METROS DE LA CORAZA ES UN MINIMO A CUMPLIR, POR LO TANTO EL DISEÑO GEOMETRICO DE LA VIA ES REFERENCIAL Y NO NECESARIAMENTE IGUAL AL EJE DEL DIQUE



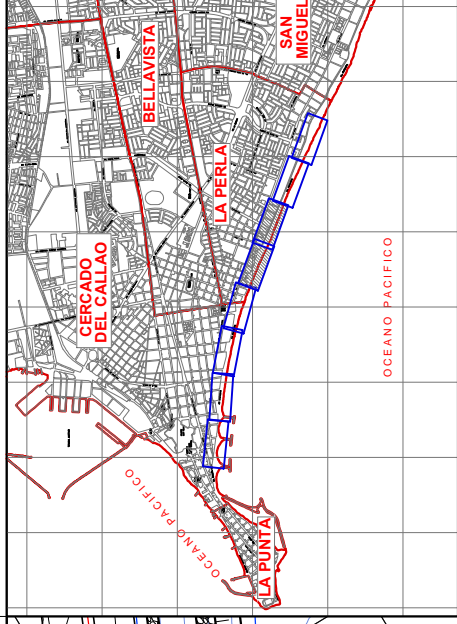
PERFIL
ESCALA: 1/100

Nombre de Proyecto :

**CONSTRUCCIÓN DE LA VIA
COSTA VERDE - TRAMO CALLAO**

Plano 2 DE 4
Ese: IND.

Título de Documento :
**PLANTA GENERAL PROYECTADA
ESCOLLERA MARGINAL**
(Km. 1+500 al Km. 2+300)



UBICACION
ESCALA: 1/1000

CUADRO DE PROGRESIVAS SECCIONES TIPO			
SECCION	PROG. INICIO	PROG. FINAL	
TIPO 1	0+800	1+500	
TIPO 2	1+500	2+300	
TIPO 3	2+300	4+200	
TIPO 4	4+200	4+700	

SIMBIOLOGIA	
SIMBIOLOGIA	DESCRIPCION
	EJE DE CARRETERA
	CURVAS MAYORES
	CURVAS MENORES

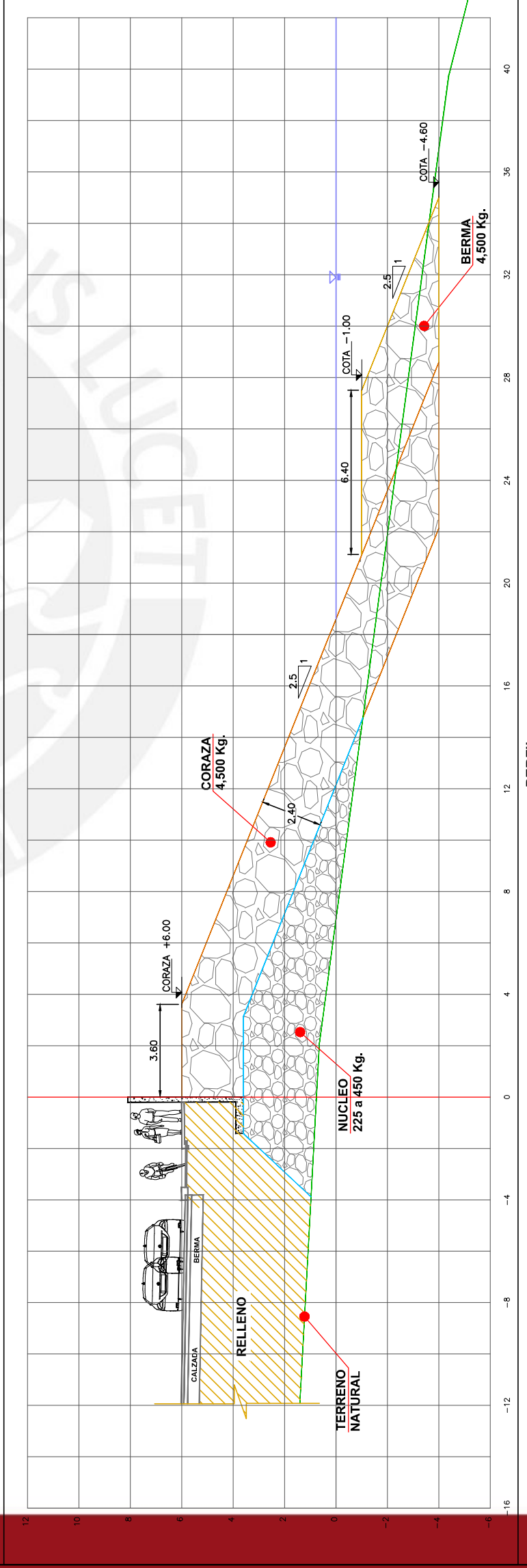
LEYENDA SECCIONES TÍPICAS	
SIMBIOLOGIA	DESCRIPCION
	SECCION NUCLEO
	SECCION CORAZA
	SECCION BERMA



PLANTA
ESCALA: 1/1000

NOTAS :

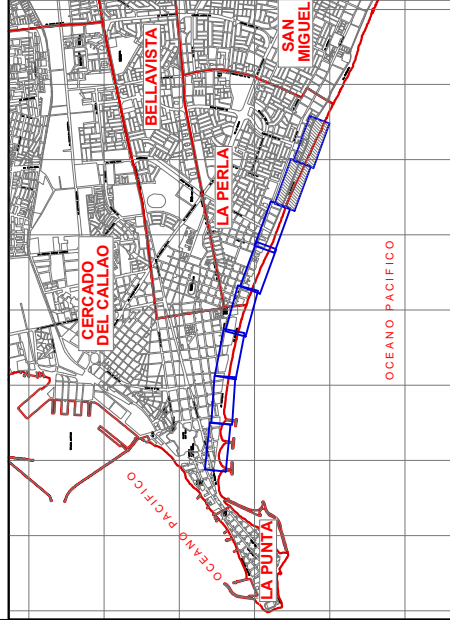
- 1.- DIMENSIONES Y NIVELES EN METROS, SALVO INDICADO.
- 2.- LA COTA DE INICIO DE BERMA ES UN MINIMO A CUMPLIR QUE SERA CONSTATADO EN CAMPO
- 3.- LAS DIMENSIONES DEL MURO RESPONDEN A REQUERIMIENTOS DE LA VIA
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PERFIL
ESCALA: 1/1000

Nombre de Proyecto :
**CONSTRUCCIÓN DE LA VIA
COSTA VERDE - TRAMO CALLAO**

Plano	3 DE 4
Ese :	IND.
Título de Documento :	PLANTA GENERAL PROYECTADA ESCOLLERA MARGINAL (Km. 2+300 al Km. 4+200)



UBICACION
ESCALA: S/E

CUADRO DE PROGRESIVAS SECCIONES TIPO

SECCION	PROG. INICIO	PROG. FINAL
TIPO 1	0+800	1+500
TIPO 2	1+500	2+300
TIPO 3	2+300	4+200
TIPO 4	4+200	4+700

SIMBOLOGIA

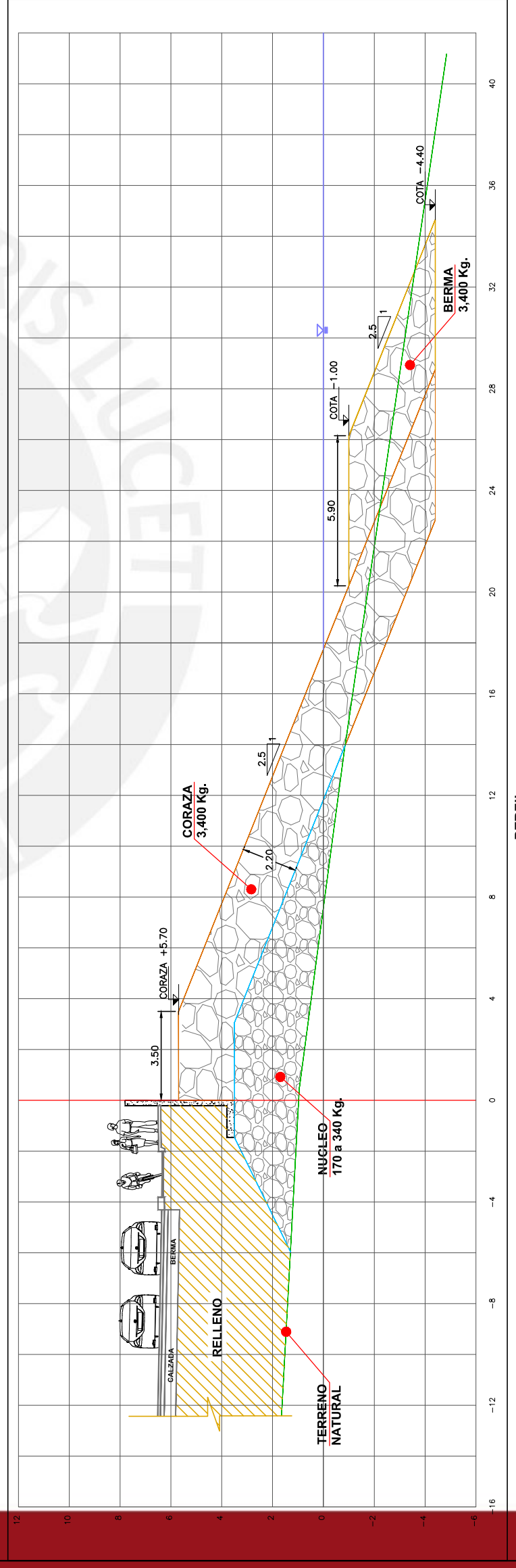
SIMBOLOGIA	DESCRIPCION
	EJE DE CARRETERA
	CURVAS MAYORES
	CURVAS MENORES

LEYENDA SECCIONES TÍPICAS

SIMBOLOGIA	DESCRIPCION
	SECCION NUCLEO
	SECCION CORAZA
	SECCION BERMA



PLANTA
ESCALA: S/E



PERFIL
ESCALA: 1/100

NOTAS :

- 1.- DIMENSIONES Y NIVELES EN METROS, SALVO INDICADO.
- 2.- LA COTA DE INICIO DE BERMA ES UN MINIMO A CUMPLIR QUE SERA CONSTATADO EN CAMPO
- 3.- LAS DIMENSIONES DEL MURO RESPONDEN A REQUERIMIENTOS DE LA VIA
- 4.- LA CORONA DE 3.50 METROS DE LA CORAZA ES UN MINIMO A CUMPLIR, POR LO TANTO EL DISEÑO GEOMETRICO DE LA VIA ES REFERENCIAL Y NO NECESARIAMENTE IGUAL AL EJE DEL DIQUE



Nombre de Proyecto :

**CONSTRUCCIÓN DE LA VIA
COSTA VERDE - TRAMO CALLAO**

Plano
4 DE 4

Ese :
IND.

Título de Documento :
**PLANTA GENERAL PROYECTADA
ESCOLLERA MARGINAL
(Km. 4+200 al Km. 4+700)**