

Count on General Acoustics' Tide Prediction!



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TidePredictor

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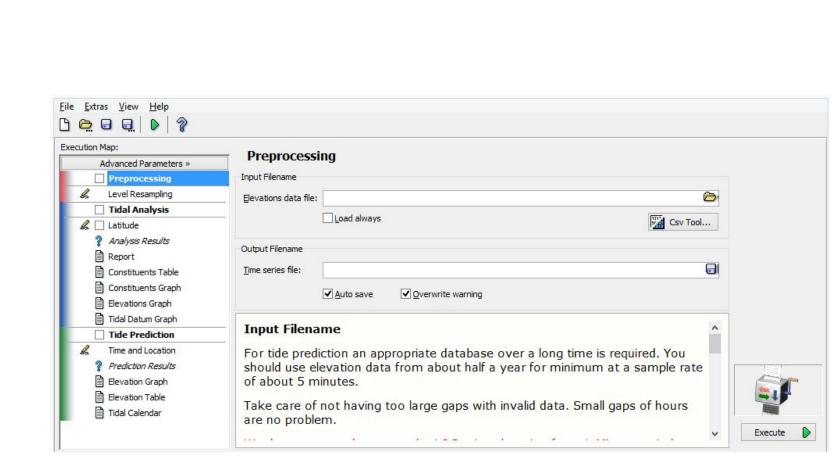
TidePredictor is a powerful tool that allows analysis of tide measurements, calculation of harmonic contents, incorporation of wind speed, wind speed and barometric pressure data and produces tide prediction based on harmonic analysis as well as tide prediction based on extended algorithms with advanced suppression of surge and extreme measurement values.

TidePredictor guides the user in a step by step procedure, and is thus suitable for both inexperienced but also experienced users (who can use advanced options to optimally configure the processing).

With the comprehensive import function the user can import data from various tide gauge types.

The one-click export functions produce report and website ready graphics and tables, simplifying data dissemination procedures and saving time.

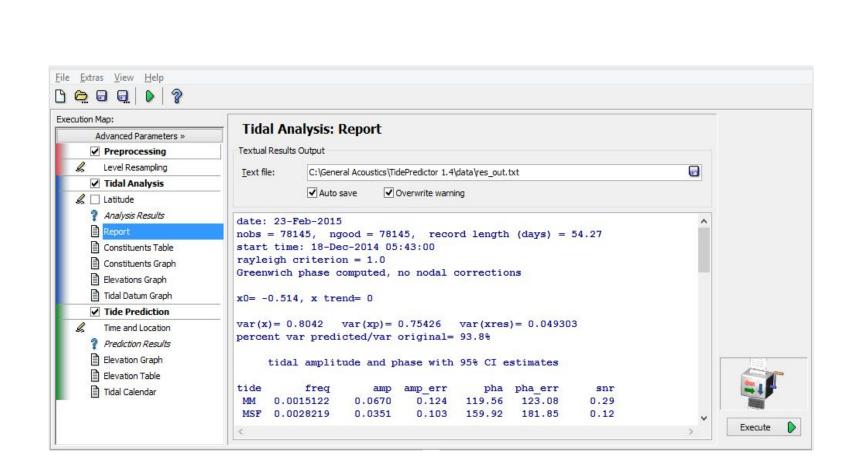
Tidal Data - Import of Tide Gauge Data



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Tidal Analysis - Report



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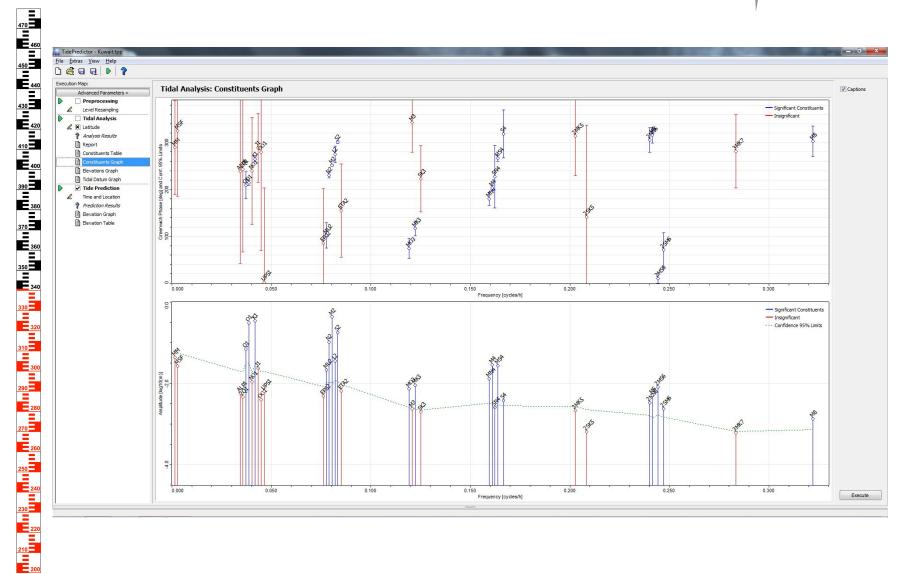
Tidal Analysis - Constituents Table



tion Map: Advanced Parameters »	_	Tidal Analysis: Constituents Table						<u>S</u> ave as	
Preprocessing		Name	Amplitude	Frequency	Phase	Amplitude Error	Phase Error	SNR	
Level Resampling			[m]	[cycles/hour]	[deg]	[m]	[deg]		
Tidal Analysis	1	MM	0.0440	0.0015	289.7	0.0640	100.2	0.47	
🖇 🗶 Latitude	2	MSF	0.0264	0.0028	325.2	0.0562	139.1	0.22	
Analysis Results	3	ALP1	0.0058	0.0344	238.9	0.0198	196.1	0.08	
Report	4	2Q1	0.0046	0.0357	243.2	0.0196	176.3	0.06	
Constituents Table	5	Q1	0.0694	0.0372	208.5	0.0319	28.6	4.72	
Constituents Graph	6	01	0.3062	0.0387	214.4	0.0316	5.4	94.11	
Elevations Graph	7	NO1	0.0109	0.0403	239.4	0.0176	114.1	0.39	
Tidal Datum Graph	8	K1	0.3459	0.0418	264.9	0.0279	4.7	153.38	
✓ Tide Prediction	- 9	J1	0.0235	0.0433	288.7	0.0250	73.1	0.89	
Time and Location	10	001	0.0040	0.0448	279.1	0.0190	209.7	0.04	
Prediction Results	1	UPS1	0.0064	0.0463	1.8	0.0198	201.1	0.10	
Elevation Graph		EPS2	0.0048	0.0762	85.2	0.0084	117.4	0.32	
Elevation Table	- Antonio	MU2	0.0216	0.0777	102.5	0.0100	27.2	4.67	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N2	0.1033	0.0790	230.7	0.0109	5.5	89.69	
		M2	0.4273	0.0805	251.7	0.0100	1.5	1809.15	
	1.000	L2	0.0360	0.0820	274.7	0.0115	17.5	9.85	
		S2	0.1764	0.0833	301.1	0.0113	3.2	242.03	
		ETA2	0.0065	0.0851	154.8	0.0094	99.3	0.47	
	1000	MO3	0.0074	0.1192	73.9	0.0026	21.1	8.24	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M3	0.0024	0.1208	343.0	0.0027	63.1	0.77	
	21	MK3 SK3	0.0090	0.1223	117.4	0.0024	15.4	14.13	
	22	SK3 MN4	0.0020	0.1251	179.8	0.0022	14.2	15.20	
		MIN4 M4	0.0129	0.1595	203.6	0.0033	5.9	86.21	
	24	SN4	0.0285	0.1610	203.6	0.0031	66.9	1.05	
		MS4	0.0026	0.1623	266.8	0.0023	6.1	86.33	
	20		0.0275	0.1658	319.0	0.0030	51.2	1.86	
	27	2MK5	0.0038	0.2028	313.5	0.0028	84.5	0.64	
	20	2SK5	0.00021	0.2028	140.9	0.0027	195.6	0.08	
	30	2MN6	0.0034	0.2400	305.6	0.0016	25.7	4.31	
	1 2270	MG	0.0051	0.2400	315.8	0.0014	16.5	12.93	
	32	2MS6	0.0081	0.2444	10.2	0.0017	10.6	22.67	
	33	2 SM6	0.0024	0.2472	71.7	0.0015	36.0	2.59	
	34	3MK7	0.0006	0.2833	281.7	0.0007	77.9	0.86	
		M8	0.0013	0.3220	303.1	0.0007	32.4	3.53	

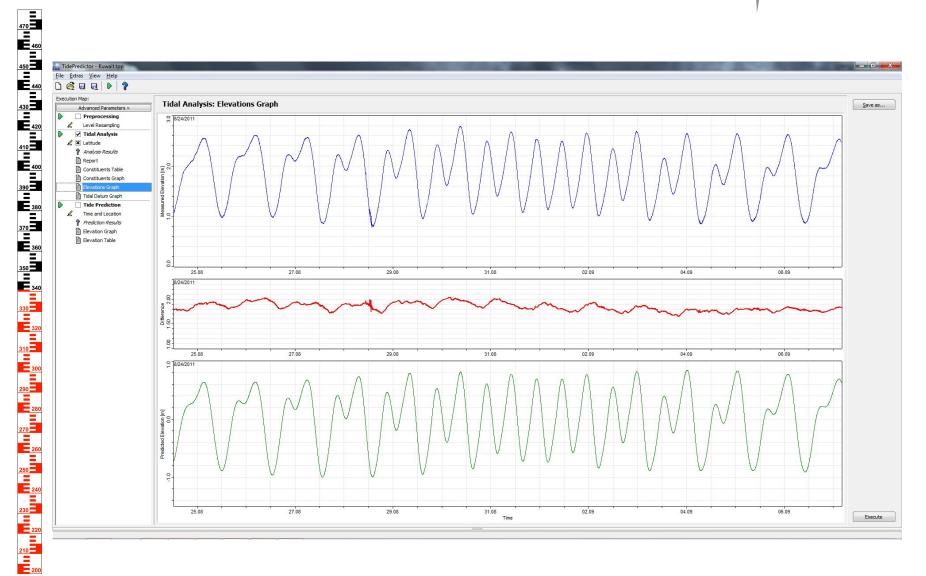
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Tidal Analysis - Constituents Graph





Tidal Analysis - Elevations Graph



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Tidal Analysis - Tidal Datum Graph



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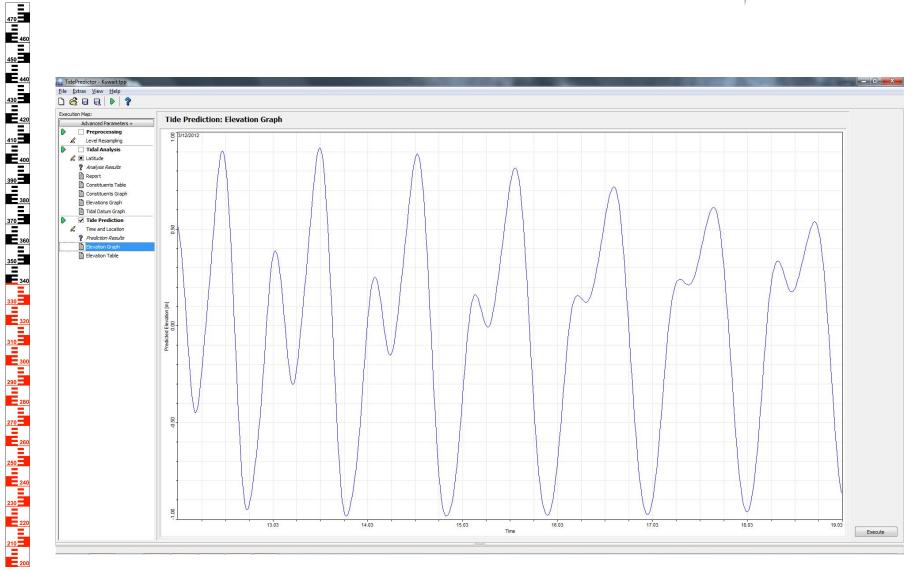
Tide Prediction - Configuration



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290 270 250	280	
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290 270 250	280	
290 270 250 230	280	
2900 2700 2500 2300 2300 2300	280	
290 270 250 230	280	

e <u>E</u> xtras <u>V</u> iew <u>H</u> elp					
Advanced Parameters »	Tide Pred	liction:	Time and Lo	ocation	
& Level Resampling	<u>B</u> egin:	03/12/201	2 Now MM	I/DD/YYYY	
Tidal Analysis Latitude Analysis Results	<u>P</u> eriod:	7	Days		
 Report Constituents Table 	<u>R</u> esolution:	15	Minutes (15 is a g	lood choice)	
Constituents Graph	Location				
Elevations Graph	Latitude:	The second	1.6	i.e. 53°40'12" N or 53.67	
✓ Tide Prediction		Use latit	ude from analysis		
Location	Longitude*:			i.e. 9°10'23" E or -9.173	
 Prediction Results Elevation Graph Elevation Table 		*for docu	mentation only		
					Execute

Tide Prediction Visualization



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Tide Prediction Table Export



cution Map:	[
Advanced Parameters »	Tide Prediction: Eleva	ation Table	Save as
Preprocessing	Date	Level [m]	
Level Resampling	1 03/12/2012 00:00	0.512	
Tidal Analysis	2 03/12/2012 00:15	0.484	
🔏 🕱 Latitude	3 03/12/2012 00:30	0.445	
Analysis Results	4 03/12/2012 00:45	0.398	
	5 03/12/2012 01:00	0.342	
Report	6 03/12/2012 01:15	0.279	
Constituents Table	7 03/12/2012 01:30	0.210	
Constituents Graph	8 03/12/2012 01:45	0.137	
Elevations Graph	9 03/12/2012 02:00	0.060	
Tidal Datum Graph	- 10 03/12/2012 02:15	-0.017	
Tide Prediction	11 03/12/2012 02:30	-0.095	
🔏 Time and Location	12 03/12/2012 02:45	-0.170	
Prediction Results	13 03/12/2012 03:00	-0.240	
Elevation Graph	14 03/12/2012 03:15	-0.303	
Elevation Table	15 03/12/2012 03:10	-0.358	
	16 03/12/2012 03:45	-0.401	
	17 03/12/2012 04:00	-0.431	
	18 03/12/2012 04:15	-0.447	
	19 03/12/2012 04:13	-0.450	
	20 03/12/2012 04:45	-0.438	
	21 03/12/2012 04:43	-0.438	
	22 03/12/2012 05:10	-0.380	
	23 03/12/2012 05:30	-0.336	
	23 03/12/2012 05:30		
	24 03/12/2012 05:45	-0.286	
	26 03/12/2012 06:15	-0.173	
	27 03/12/2012 06:30	-0.114	
	28 03/12/2012 06:45	-0.055	
	29 03/12/2012 07:00	0.003	
	30 03/12/2012 07:15	0.062	
	31 03/12/2012 07:30	0.121	
	32 03/12/2012 07:45	0.180	
	33 03/12/2012 08:00	0.241	
	34 03/12/2012 08:15	0.304	
	35 03/12/2012 08:30	0.368	
	36 03/12/2012 08:45	0.435	
	37 03/12/2012 09:00	0.502	
	38 03/12/2012 09:15	0.570	
	39 03/12/2012 09:30	0.636	
	40 03/12/2012 09:45	0.699	
	41 03/12/2012 10:00	0.757	
	42 03/12/2012 10:15	0.808	
	43 03/12/2012 10:30	0.850	
	44 03/12/2012 10:45	0.881	
	45 03/12/2012 11:00	0.900	
	46 03/12/2012 11:15	0.905	
	47 03/12/2012 11:30	0.896	Execu

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