

Find chart depth from sounding at a given time (SVA problem type 1)

TIDE CALCULATION

Date	190224	Location	Ruehvelde	By	Daniel	Check	-	Set/Measure	Look up	Calculate	Copy	Tide Curve
Files of Interest		Date		Time		TZ (DST)		Ports of Reference	Mean	Neap	Page	Tabulated TZ
A	St. Peter Post Entrance	010414	1910	UTC + 2	Primary P1	St. Peter Post	0225				222	UTC + 1
B				UTC	Secondary P2							UTC

Magic Formula: Start by coloring which elements are given, unknown and unused for the task at hand

Fix	Slope	Exact Time	? Height of Tide	? Chart Depth	Water Depth	Sounding	Sounder Depth	Draft	Safety Margin
A	1	1910	8,2	- 0,4	7,8	7,3	0,5		

High/Low Water Times and Heights

Date	Time	Water	Height	Date	Time	Water	Height	Date	Time	Water	Height
010414	1356	High Water	0,5	010414	1950	Low Water	9,8				
		P1 Tabulations				P1 Tabulations					
		P2 Corrections (from below)	+			P2 Corrections (from below)	+				
		Timezone Diff				Timezone Diff					
		Adjusted Time/Height	=			Adjusted Time/Height	=				
			1456				9,8				

Secondary Port Time and Height Corrections

Time Band Start	P1 Tab Time	Time Band End	Time Cor @Start	P2 Time Cor	Time Cor @End	Time Band Start	P1 Tab Time	Time Band End	Time Cor @Start	P2 Time Cor	Time Cor @End





Required water depth at given anchoring for safe anchoring until a given exposure time (SYA problem type 4)



TIDE CALCULATION									
Date	Location	By	Check	Set/Measure	Look up	Calculate	Copy	Tide Curve	
190224	Rheinolden	Daniel		Spring	Mean			Tabulated TZ	
Files of Interest		Date	TZ (DST)	Ports of Reference	Spring	Mean	Neap	Data Source	Page
A	Magaline Pt, Sark	240514	UTC +1	Primary P1	Spring	Mean	Neap	Ready	202
B	Lowest LW betere	250514	UTC +1	Secondary P2	Spring	Mean	Neap	Ready	206
Magic Formula: Start by coloring which elements are given, unknown and unused for the task at at hand									
Fix	Slope	Exact Time	Height of Tide	Chart Depth	Water Depth	Sounding	Sounder Depth	Draft	Safety Margin
A	v	2505 11:09	2,0	11,4	3,14			2,4	+
B	v	2405 18:00	6,4	11,4	7,8				1,0

High/Low Water Times and Heights

Date	Time	Height	Tab Height	Date	Time	Height	Tab Height
240514	14:51	9,2	9,2	240514	21:30	2,8	2,8
+	+0005	+	-1,7	+	+0009	+	-0,5
Timezone Diff	Adjusted Time/Height	Height 1	Height 1	Timezone Diff	Adjusted Time/Height	Height 1	Height 1
15:56	=	7,5	7,5	22:39	=	2,3	2,3
Timezone Diff	Adjusted Time/Height	Height 1	Height 1	Timezone Diff	Adjusted Time/Height	Height 1	Height 1
15:56	=	7,5	7,5	22:39	=	2,3	2,3

Secondary Port Time and Height Corrections

Time Band Start	P1 Tab Time	Time Band End	Time Band Start	P1 Tab Time	Time Band End	Time Band Start	P1 Tab Time	Time Band End
0900	14:51	1500	2100	21:30	0200			
Time Cor @Start	P2 Time Cor	Time Cor @End	Time Cor @Start	P2 Time Cor	Time Cor @End	Time Cor @Start	P2 Time Cor	Time Cor @End
8,1	+0005	+0005	1,4	+0009	+0005			
Timezone Diff	Adjusted Time/Height	Height 1	Timezone Diff	Adjusted Time/Height	Height 1	Timezone Diff	Adjusted Time/Height	Height 1
-1,5	=	11,0	-0,3	=	4,0			
-1,5	=	11,0	-0,3	=	4,0			