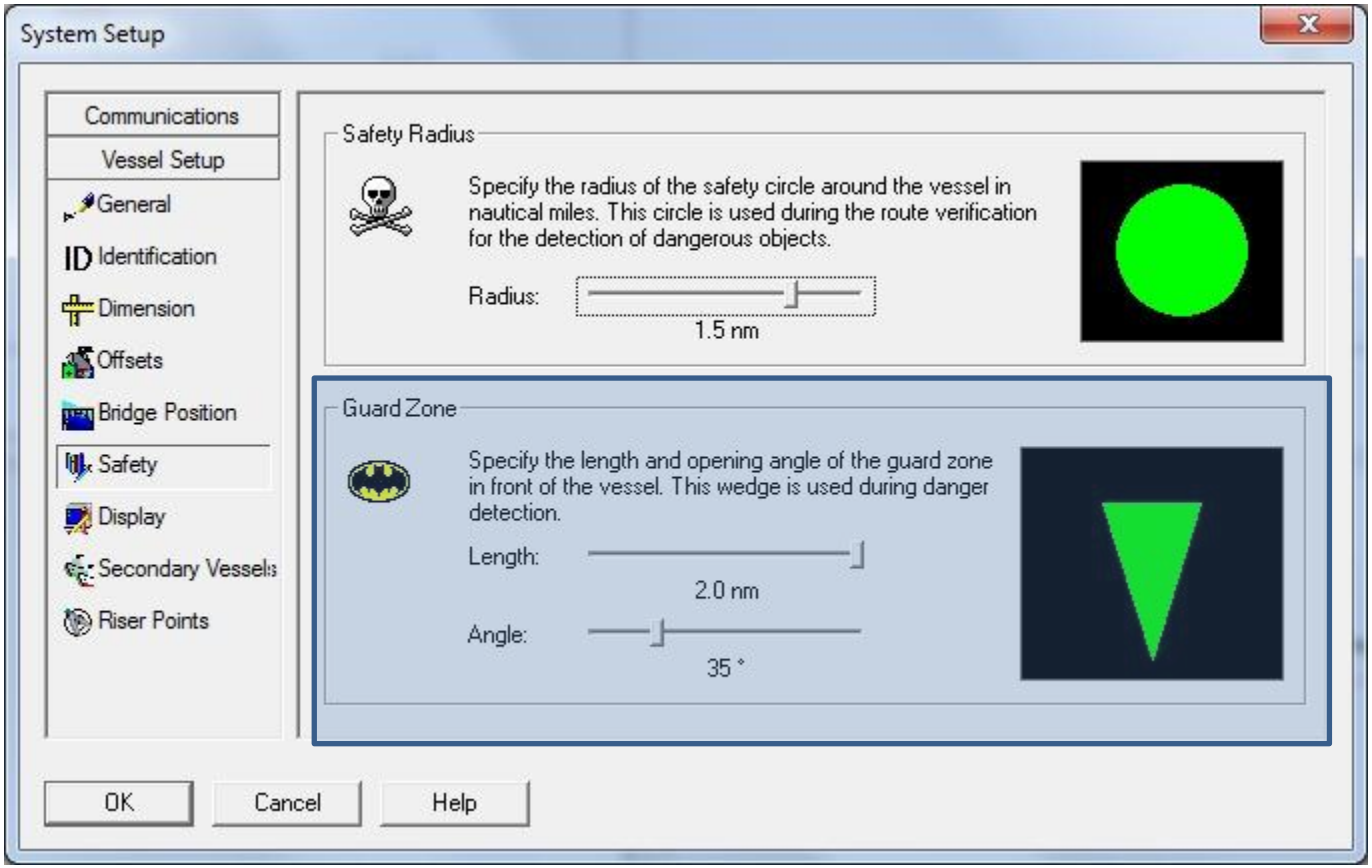
Costa Concordia Grounding

A reconstruction based on recorded AIS data

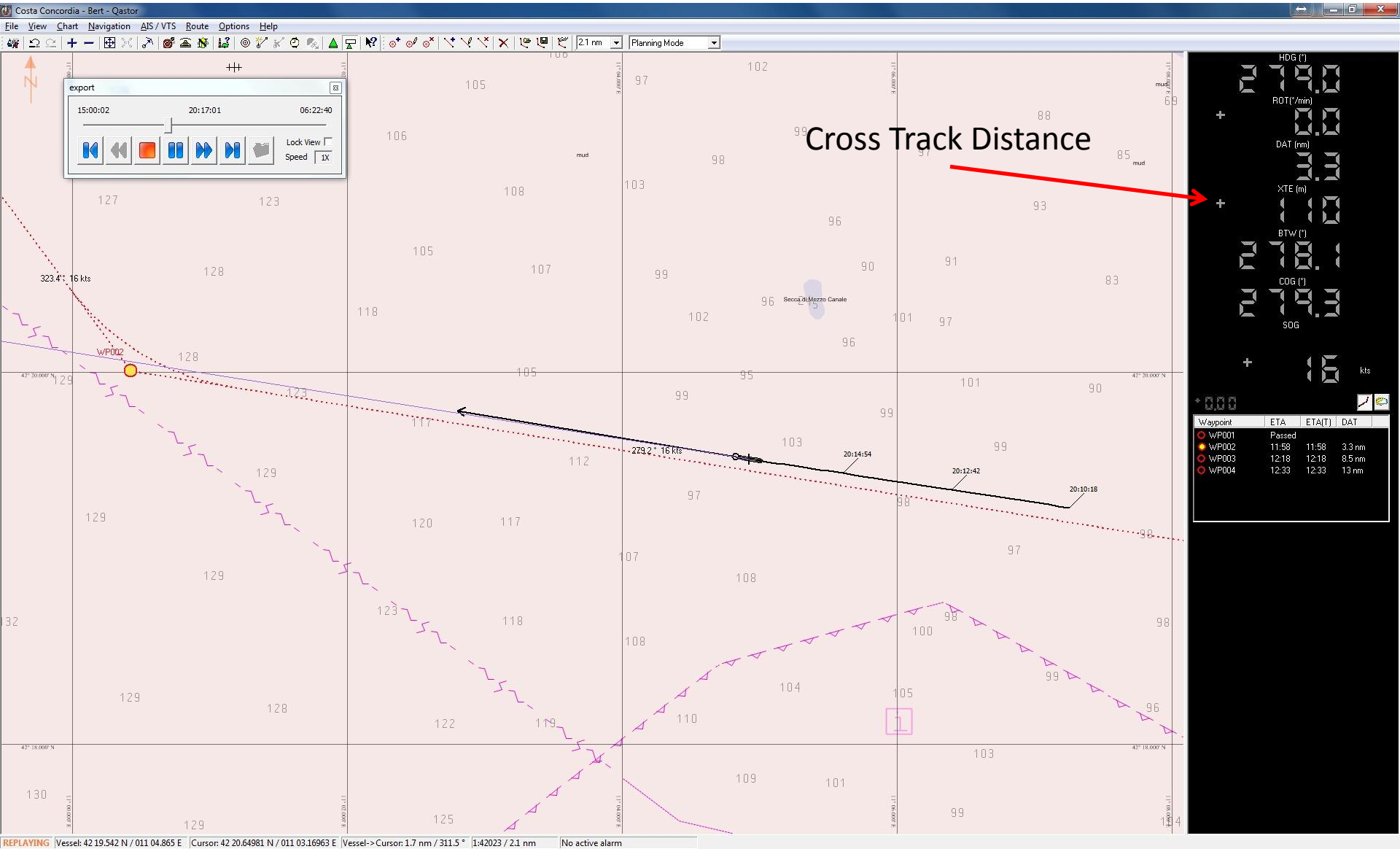
A reconstruction based on recorded AIS data

A reconstruction based on recorded AIS data

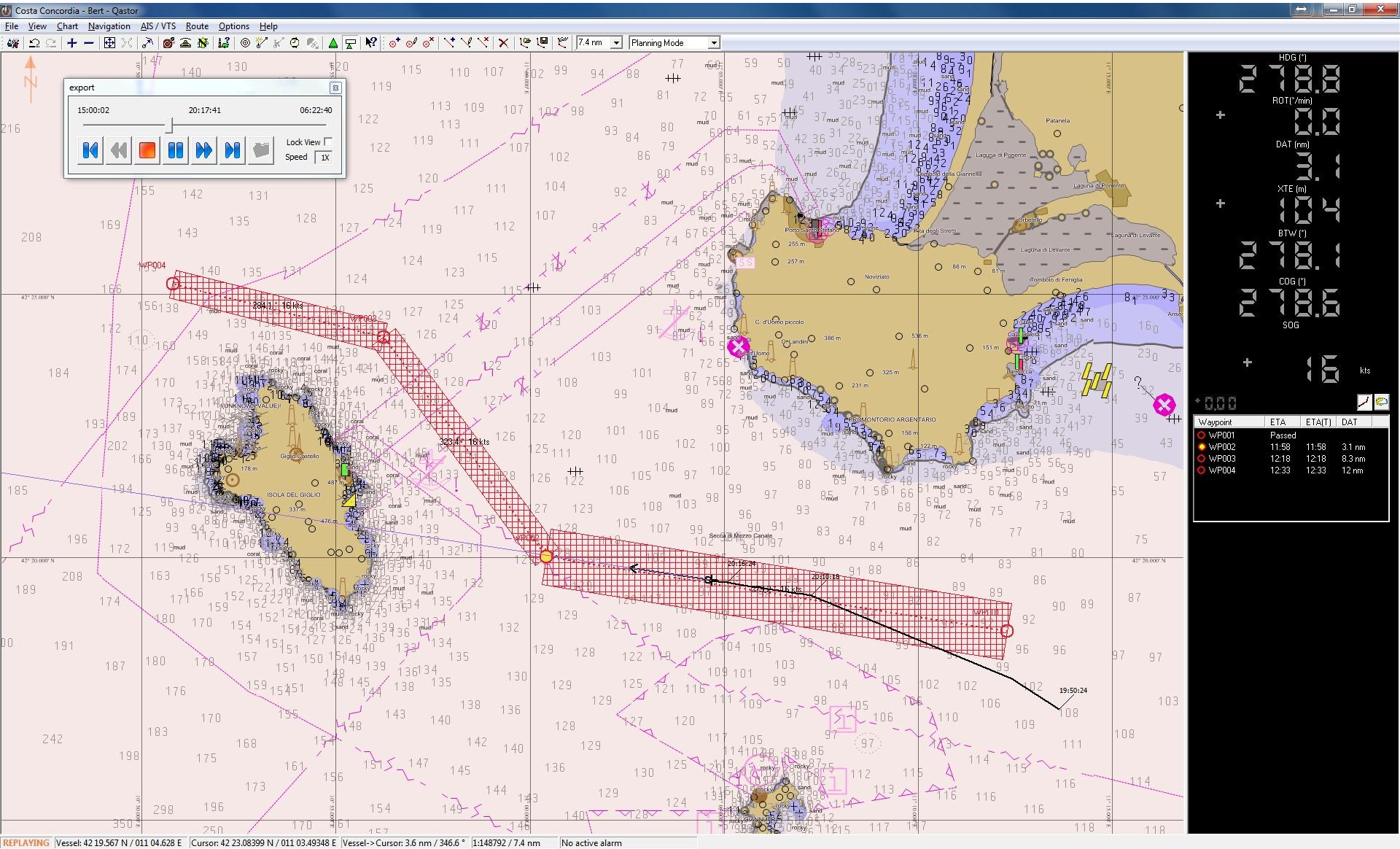
Qastor System Setup
Defining a " Forward Looking" Guard Zone



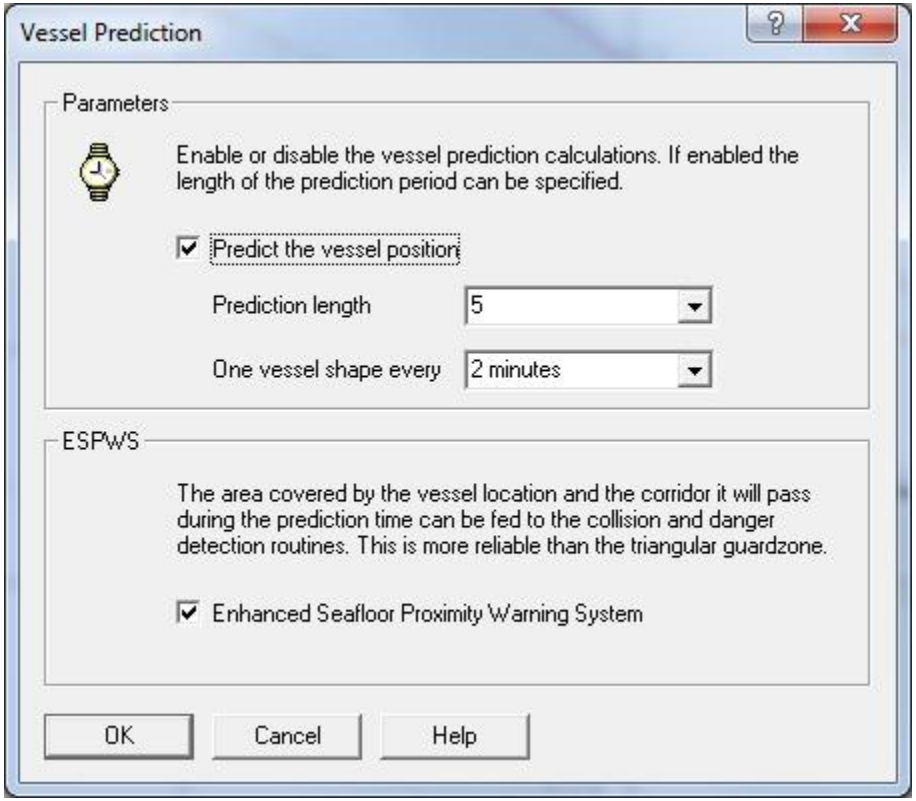
Defining Routes and Waypoints
Activate Cross Track Distance Alert



Defining Cross Track Limits

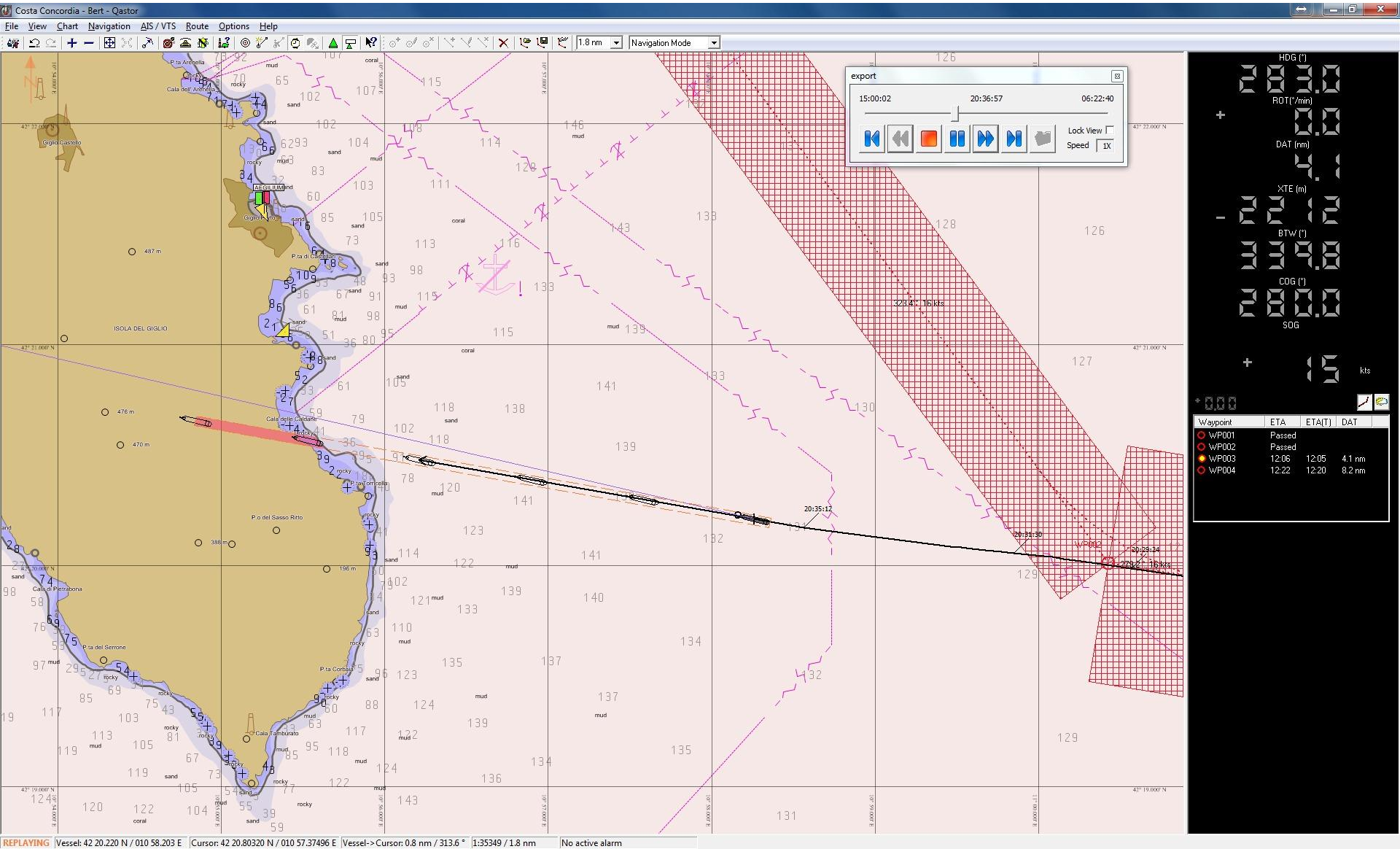


Path Prediction and ESPWS (Grouding Alert)
“Where will the vessel sail in 8 minutes?”

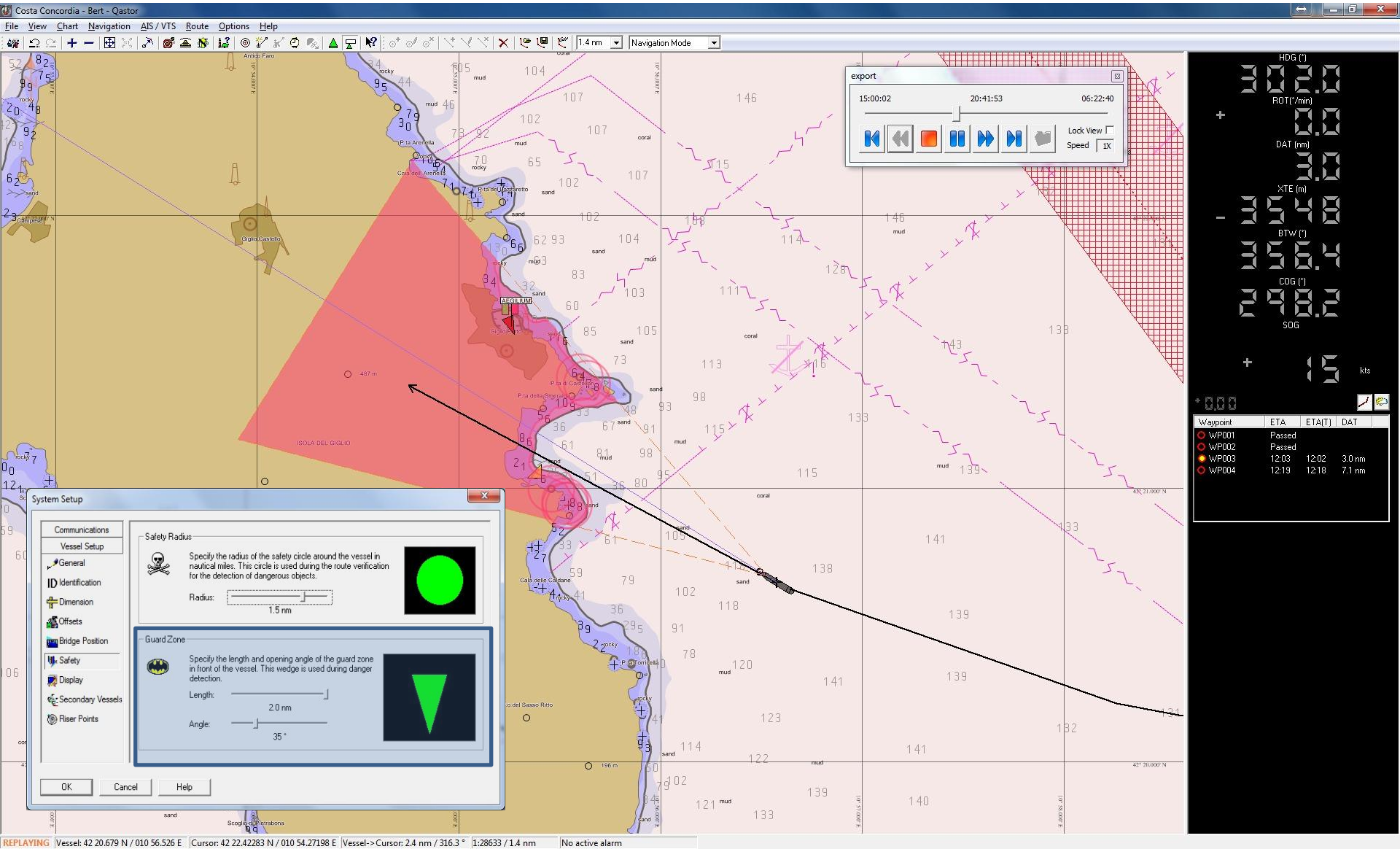


Path Prediction

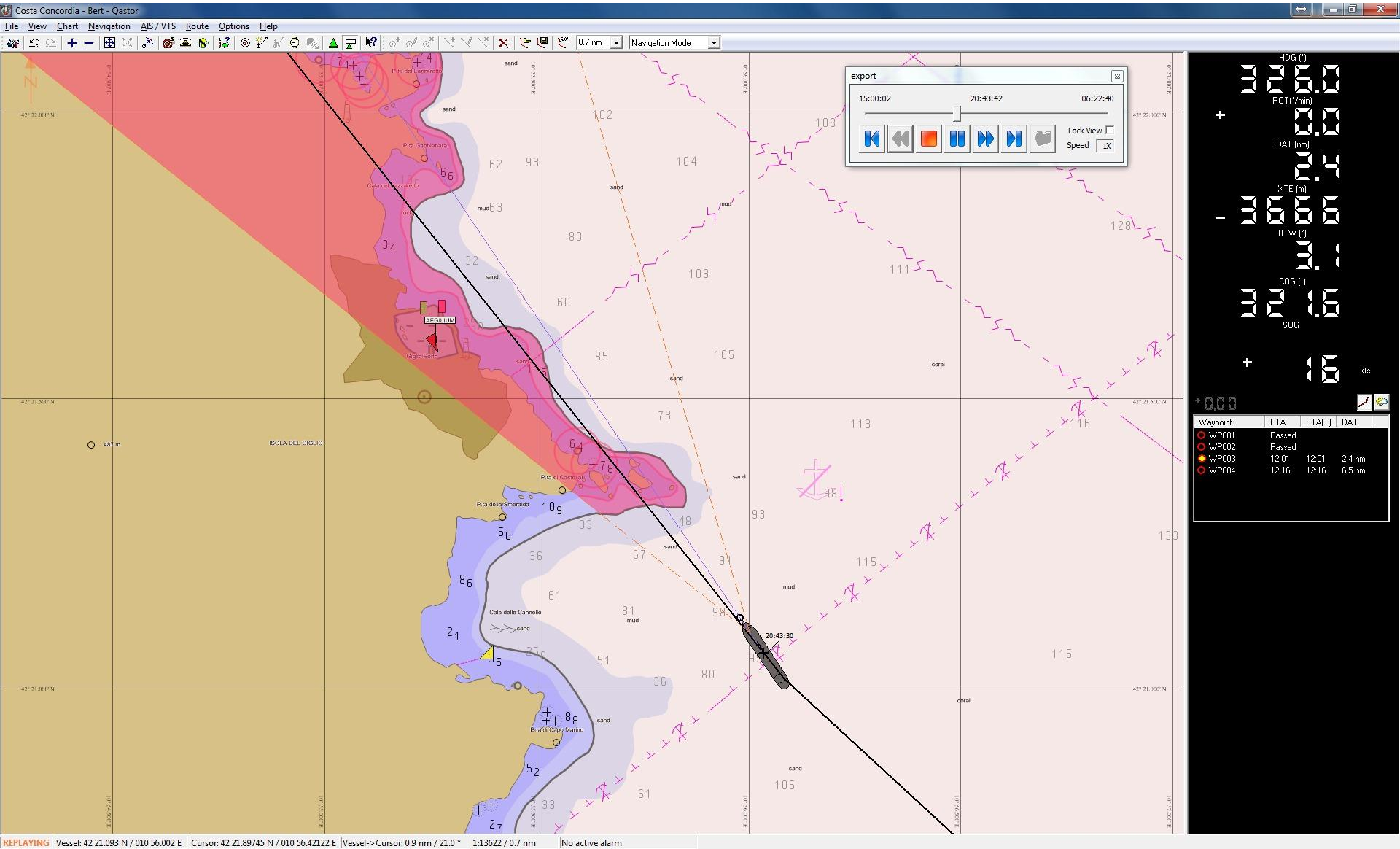
“Where will the vessel sail in 2, 4, 6, 8 and 10 minutes?”



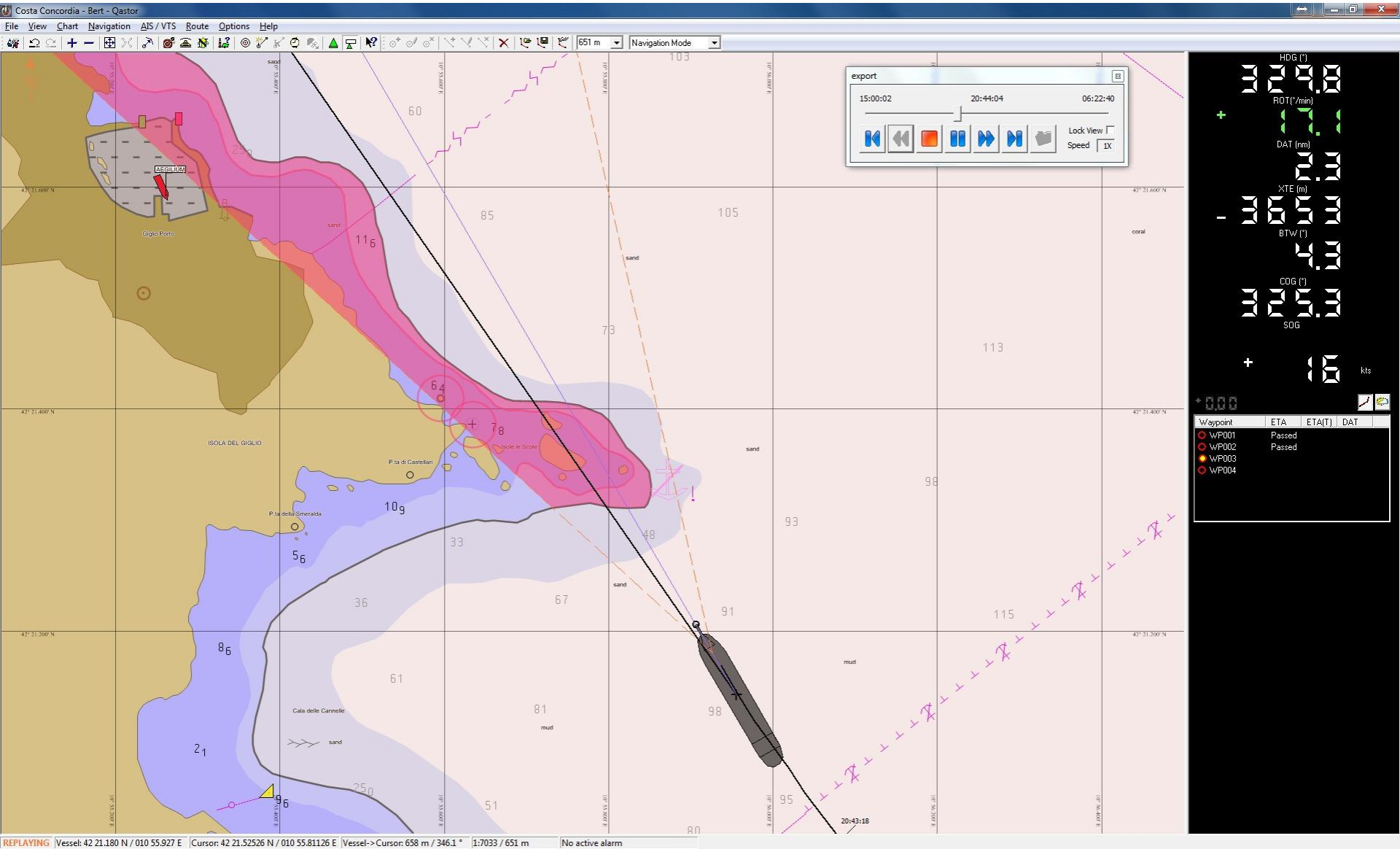
Grounding Avoidance



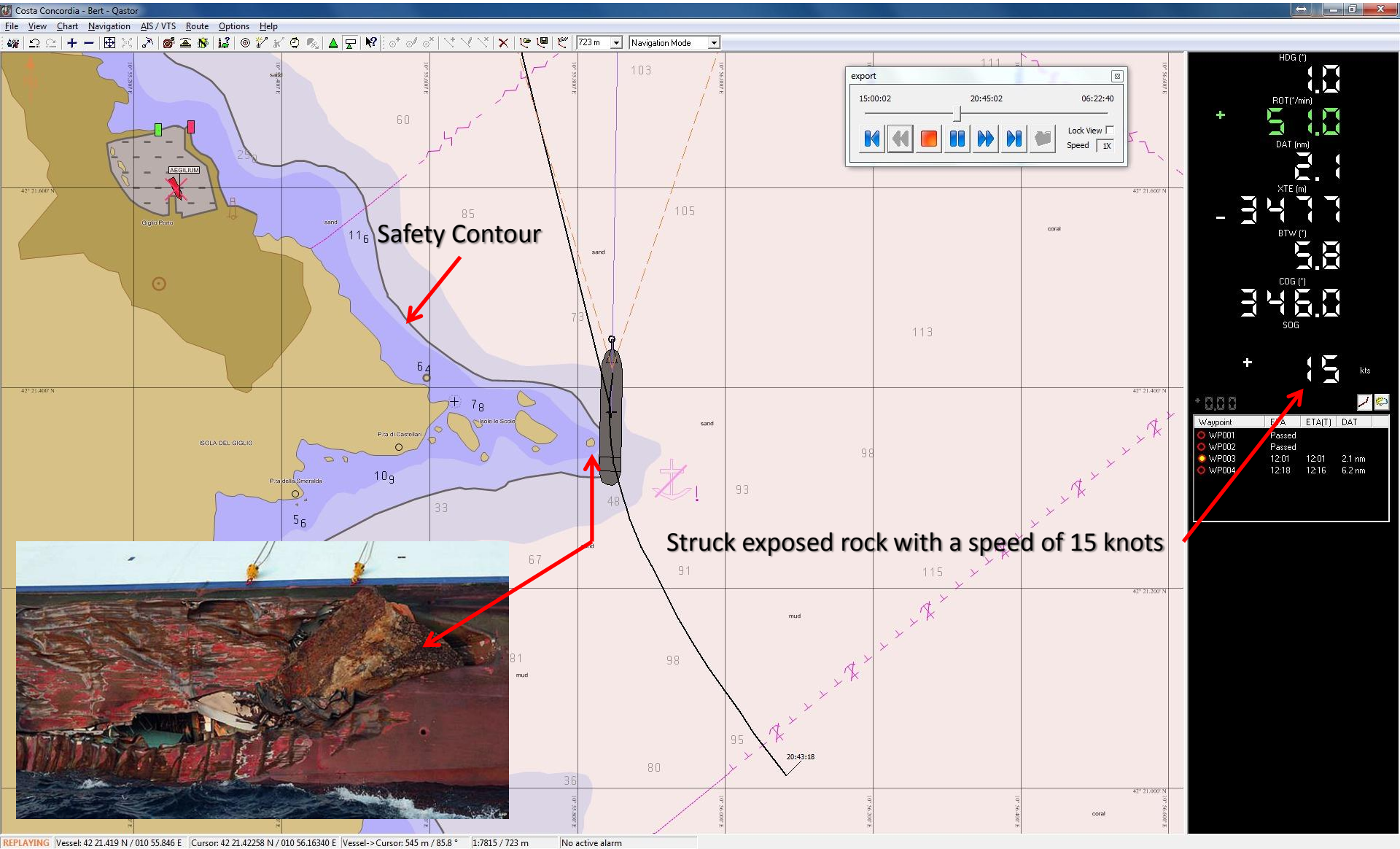
Grounding Avoidance

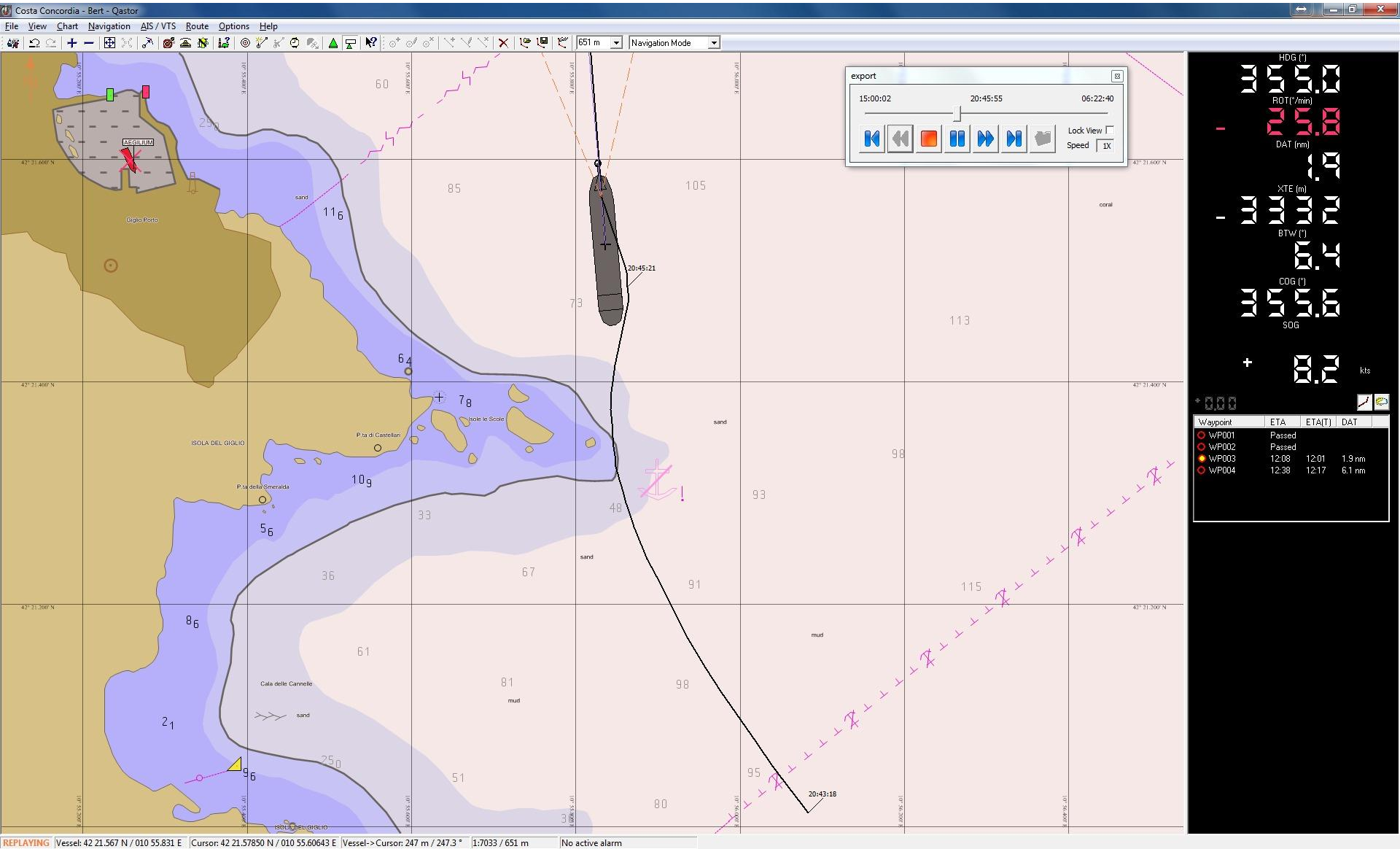


Grounding Avoidance



Vessel Draught and Depth
Safety Depth Contour




Costa Concordia - Bert - Qastor
File View Chart Navigation AIS / VTS Route Options Help
651 m
Navigation Mode
export
15:00:02
20:45:55
06:22:40
Lock View
Speed 1X
HDG (°)
ROT (°/min)
DAT (nm)
XTE (m)
BTW (°)
COG (°)
SOG
kts
Waypoint ETA ETA(T) DAT
WP001 Passed
WP002 Passed
WP003 12:08 12:01 1.9 nm
WP004 12:38 12:17 6.1 nm
AEGILIUM
Giglio Porto
ISOLA DEL GIGLIO
Isole le Scole
P.ta di Castellari
P.ta della Smeralda
Cala delle Cannelle
20:45:21
20:43:18
sand
mud
coral
REPLAYING
Vessel: 42 21.567 N / 010 55.831 E
Cursor: 42 21.57850 N / 010 55.60643 E
Vessel-> Cursor: 247 m / 247.3 °
1:7033 / 651 m
No active alarm

Costa Concordia - Bert - Qastor

File View Chart Navigation AIS / VTS Route Options Help

Waypoint	ETA	ETA(T)	DAT
WP001	Passed		
WP002	Passed		
WP003	15:01	12:02	1.5 nm
WP004	23:27	12:18	5.6 nm

REPLAYING | Vessel: 42 21.881 N / 010 55.425 E | Cursor: 42 22.44813 N / 010 55.72945 E | Vessel-> Cursor: 0.6 nm / 21.7 ° | 1:11911 / 0.6 nm | No active alarm