

Week 16



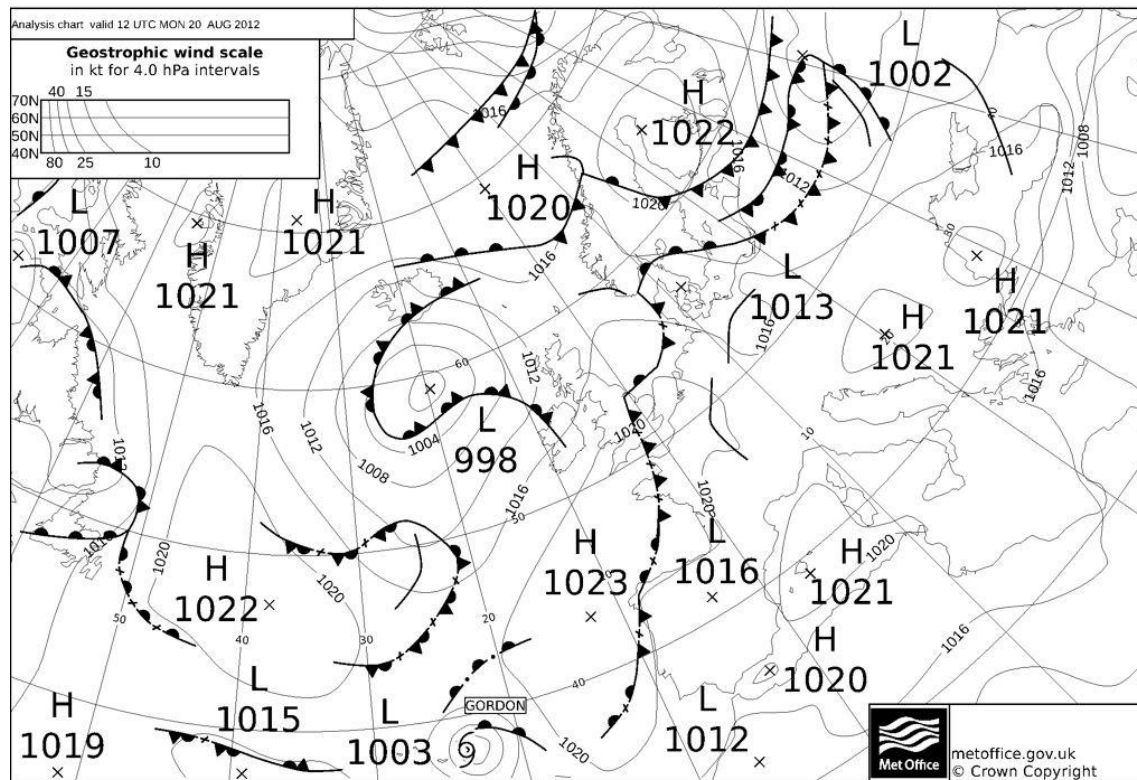
Interpreting Forecasts Ex

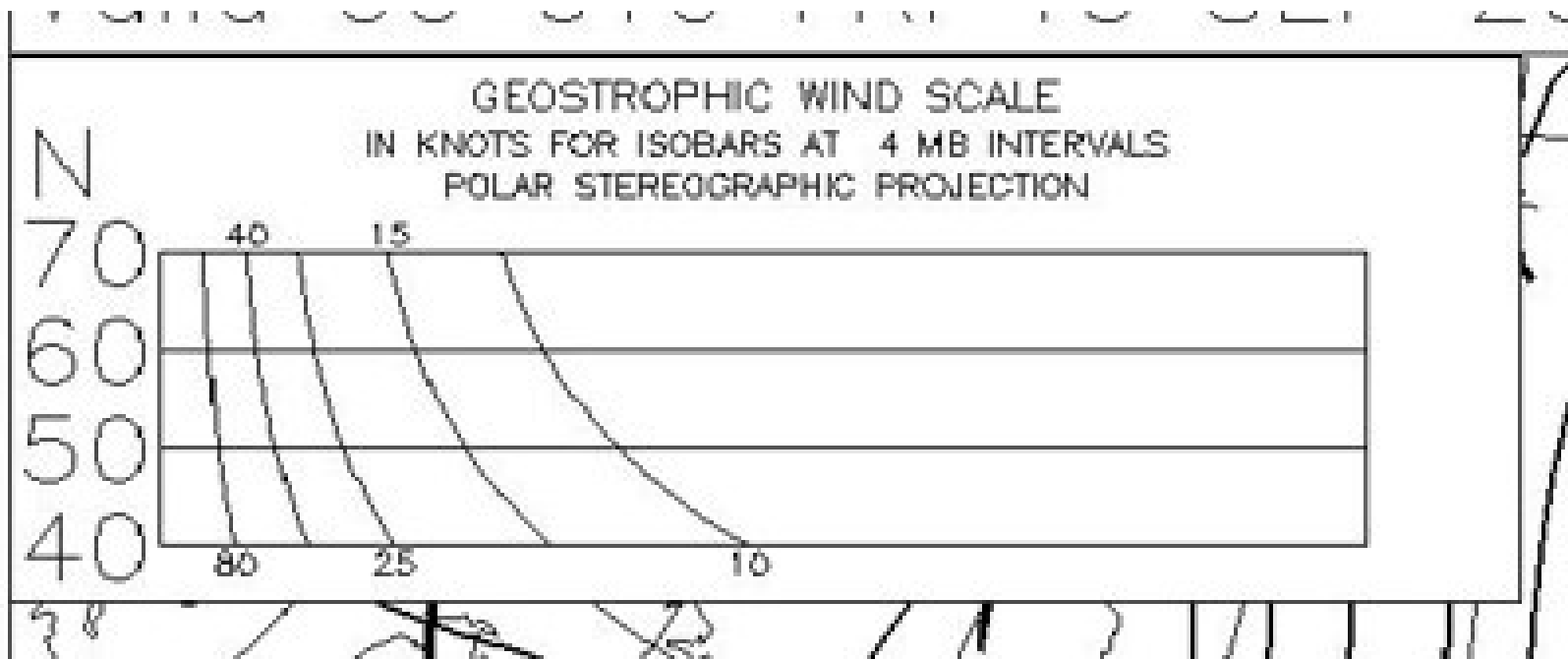
Course Exercise Book – p19

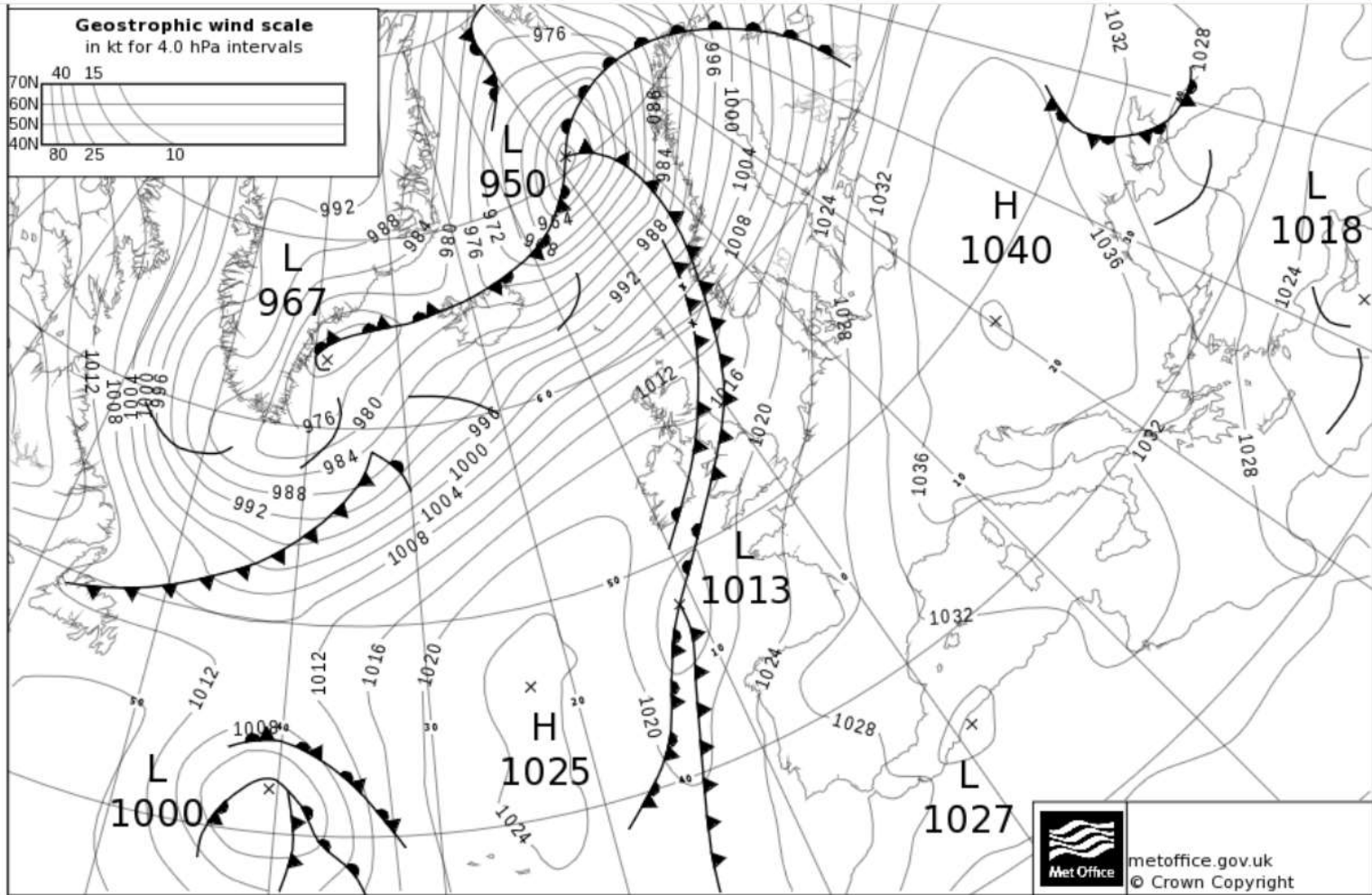
Weather Booklet



Geostrophic Scales

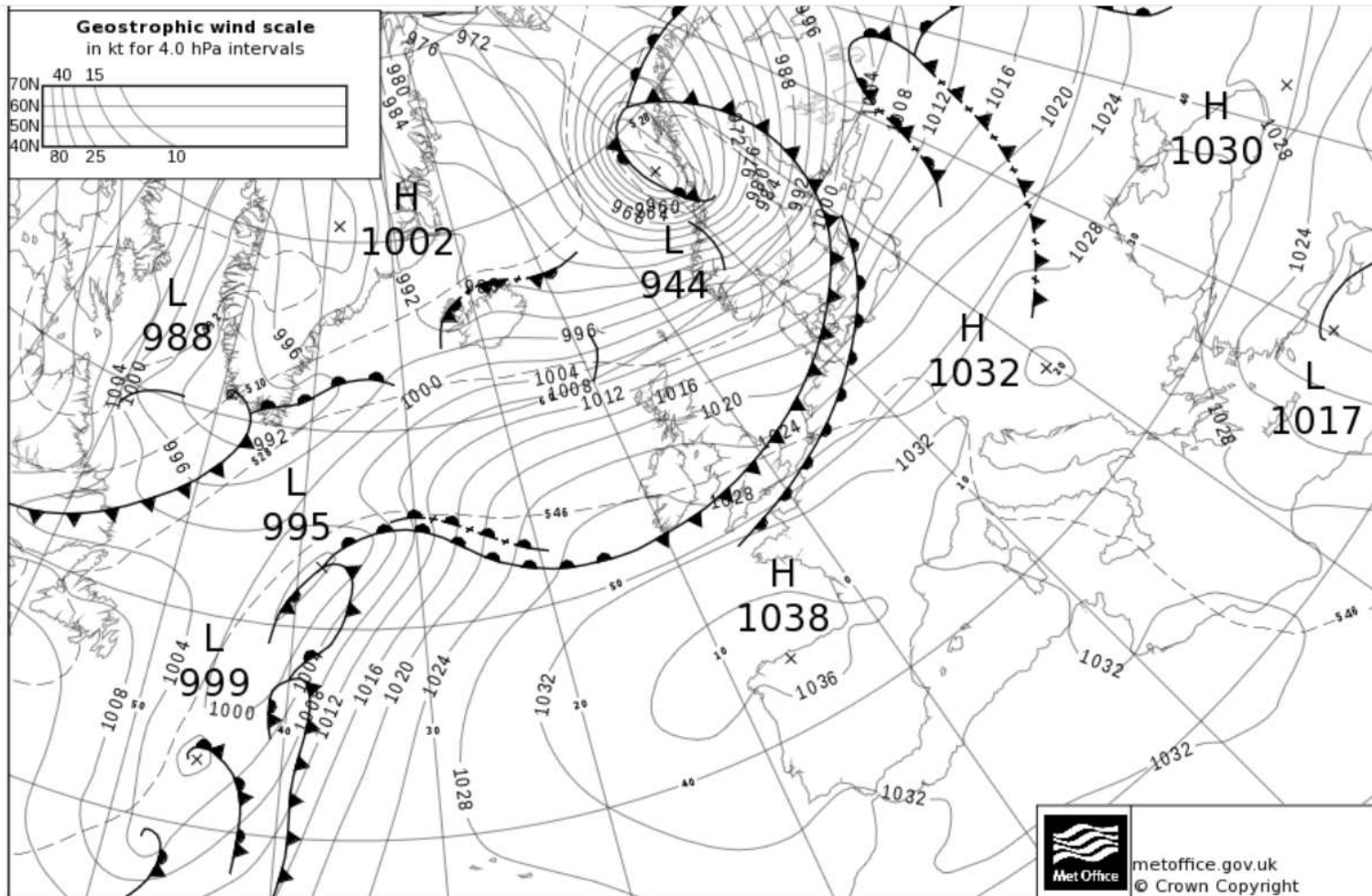






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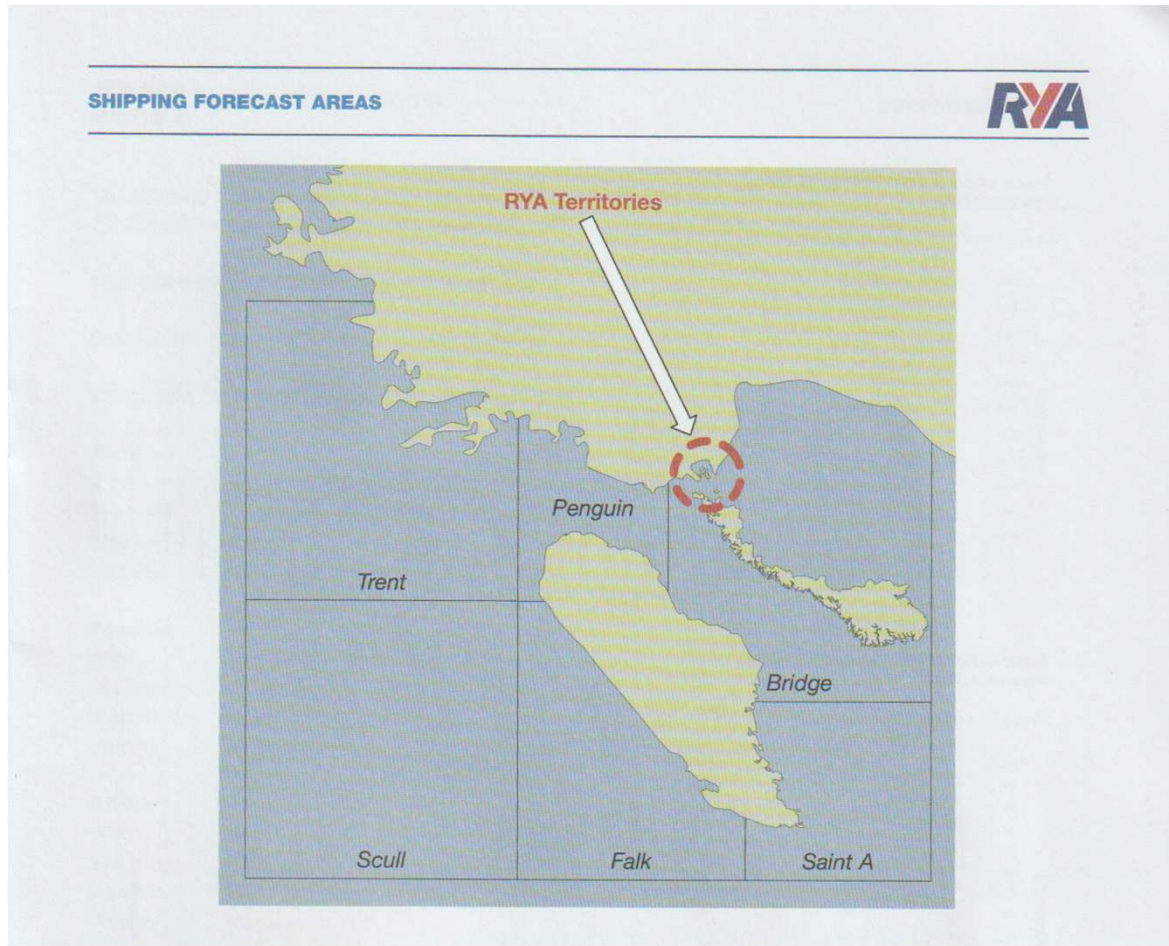


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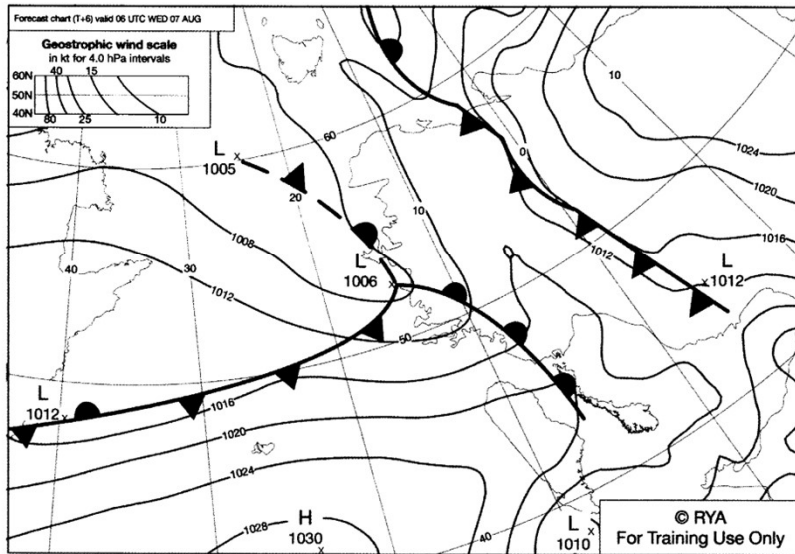
Geography

Weather Booklet
p3

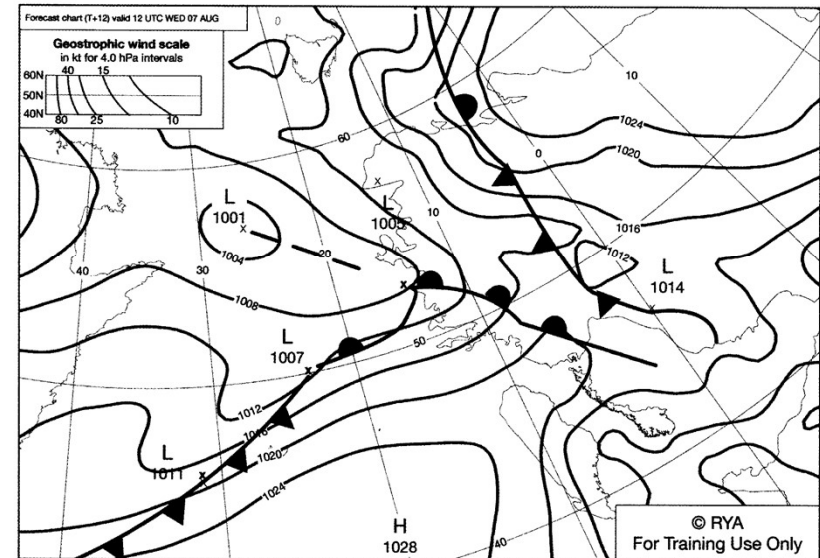


Question 2

SYNOPTIC FORECAST 7TH AUGUST 0600 ZULU



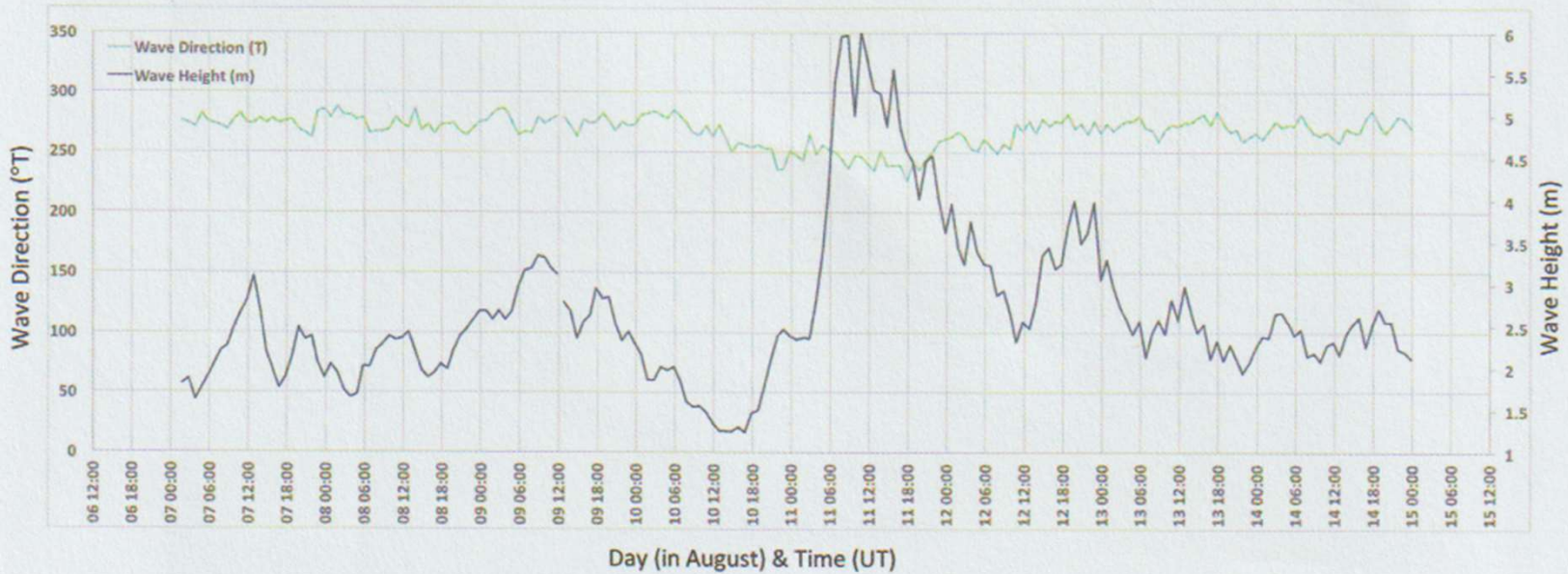
SYNOPTIC FORECAST 7TH AUGUST 1200 ZULU



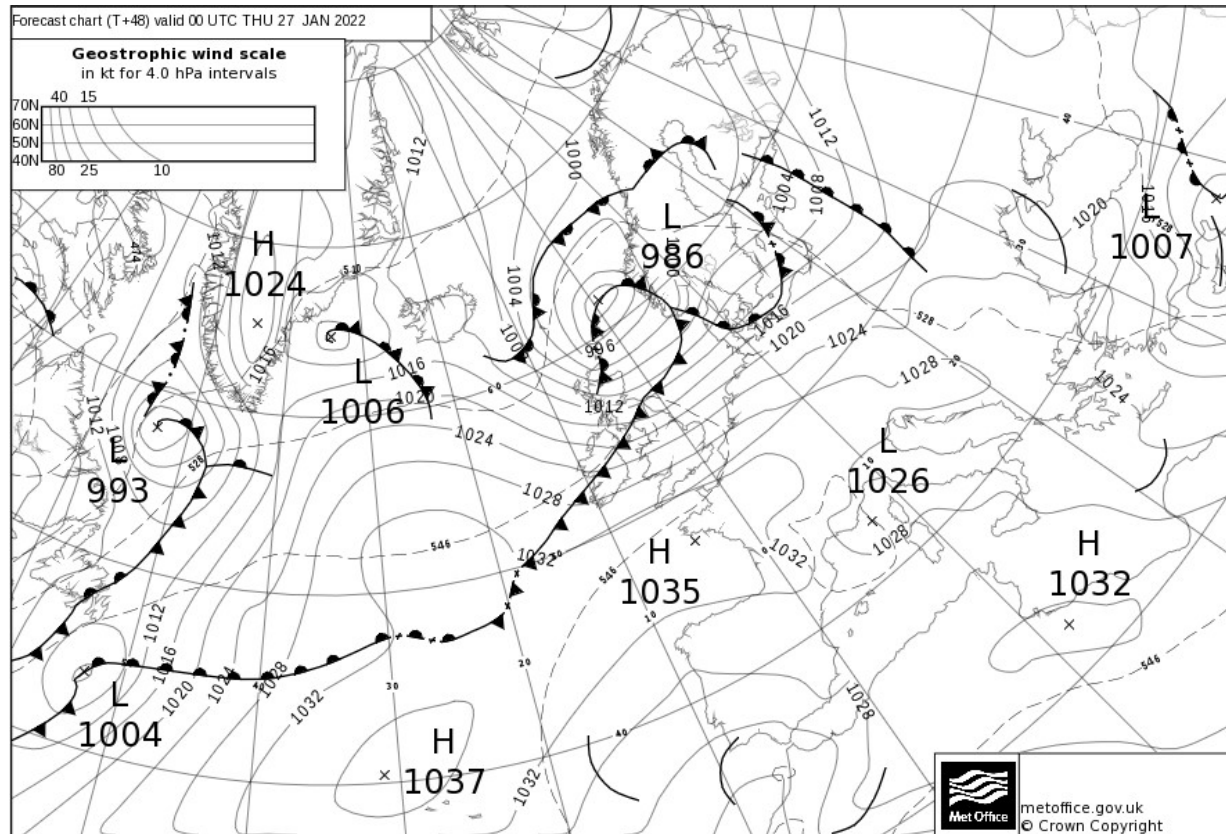
ODAS Buoy Wave Height

Point: ODAS at 46°17.800'N 6°16.430'W
Historical Data

Wave Direction/Wave Height



Geostrophic Scales



Passage Planning 1



WHY?



St Kilda to Port Fraser

What planning do we need to do?



SOLAS – Regulation 34

- The Master shall ensure that:
 - The voyage has been planned using appropriate charts and publications
 - The route for the voyage has been identified
 - His decision is final in terms of safe navigation and protection of the marine environment



MCA

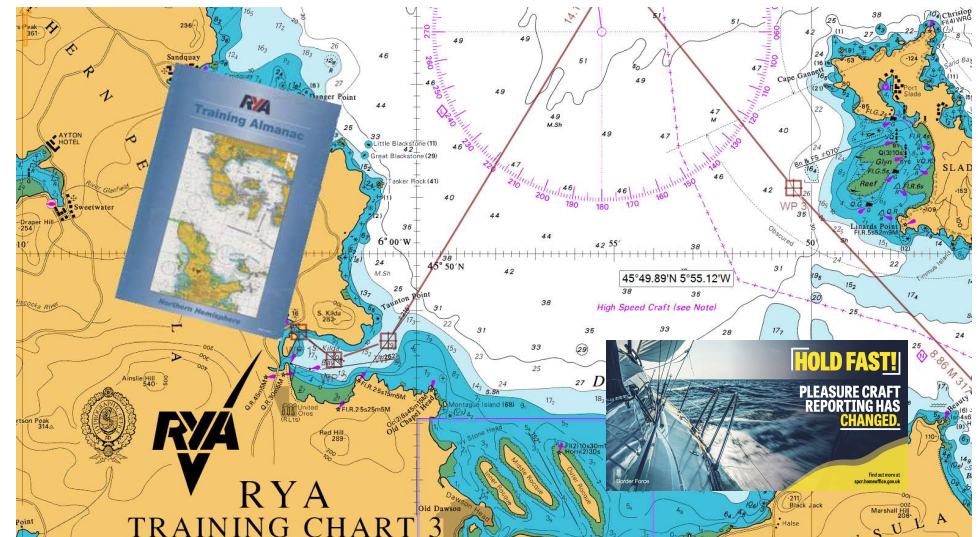


- Suggested content for a small craft passage plan:
 - Up to date weather forecast
 - Tidal predictions
 - Limitations of boat and crew
 - Navigational dangers
 - Contingency plan
 - Details left with a responsible person ashore
- Evidence?



Stages

- Information gathering and sorting
 - Area familiarization
 - Tides
 - Regulations
- *Is it feasible and realistic?*
- Passage planning in detail
- Executing the plan



Planning Factors

- Objectives
- Constraints
- Hazards
- Aids
- Route



Objectives

- Where to
- How to get there



Constraints

- Capability of vessel and crew
- Sunrise / Sunset
- Tides – access to mooring
- Locks and Swing Bridges
- Tidal Streams / Gates
- Fuel carrying capacity
- Traffic Separation Schemes



Southsea Marina's tidal gate up at low water
Photo: Michael Harper



Hazards

- Rocks and Shallows
- Weather
- Visibility
- Wind and Sea State
- Overfalls
- Special Operations – Danger areas etc
- Shipping Density / TSS



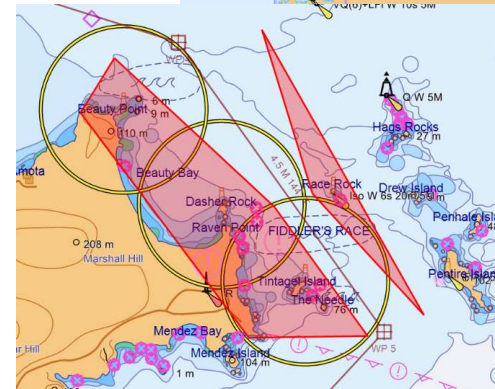
Aids

- Those things which are going to help you achieve your objective
- Physical
 - Land features
 - Buoyage
- GNSS



Routes

- Bolt Holes
- Planning on paper
- Waypoints
 - Route first – waypoints added to route
 - Not on objects
 - Easily confirmed visually
- Planning on screen
 - No go areas



Tactical Planning

- Tides / Tidal Gates
- Wind
- Lee bowing
- Steer towards shift
- Close the coast on port tack
- Cone / Corridor beating towards a point
- Lay lines
 - Use of GPS



Regulations

- Ports of Entry
- Documentation
- Clearance Procedures

CERTIFICATE OF BRITISH REGISTRY	
REGISTER OF BRITISH SHIPS PART III The Merchant Shipping Act 1995 The Merchant Shipping (Registration of Ships) Regulations 1993, as amended This Certificate is not proof of legal ownership	
DATE OF EXPIRY (DD-MM-YYYY)	REGISTRATION NUMBER
27-06-2019	SSR07301
DETAILS OF SHIP	
Description : SAILING YACHT	
Overall Length : 8.03 metres	
Number of Hulls : 1	
Name Of Ship : RAOUL DEVOS	
Hull ID Number : N/A	
DETAILS OF REGISTERED OWNERSHIP	
[REDACTED]	
I, the undersigned acting on behalf of the Secretary of State, hereby certify that the details of the ship and registered ownership listed on this Certificate are in accordance with the Register of British Ships Part III (Small Ships Register). This Certificate is valid from:	
DATE	21/05/2014
[Signature]	
Page 1 of 1	
MSF-4706 Rev 1/07	For and on behalf of the Registrar General of Shipping & Seamen by the Maritime & Coastguard Agency, an Executive Agency of the Government of the United Kingdom



Storing and Provisioning

- Fuel
 - Enough for the voyage
 - Reserve
 - Not all in one tank
- Water
 - Depends on climate but around 2 - 5 litres per person per day.
 - Separate tanks / carriers
- Food
 - Sufficient / type
 - Ease of cooking





Homework

- *Exercise “Interpreting Forecasts” p19 – Remaining questions.*
- *Complete by 13 Feb.*

