

**Please note that we have now developed answer documents for this course. The detail given in the Instructor Marked Questions appearing in these answer documents is correct and supercedes any detail given in the Instructor Marked Questions appearing in the course notes.**

**Added to page 1 of every version 3 module: “We are normally available by telephone from 1000 to 1700 (Zone 0, i.e. UK time), 7 days a week. Like anyone, we like to spend *off-duty* time relaxing with our family, so we ask that calls are not made outside these times without prior agreement. Such an arrangement also means that we can ensure our computers are turned on and ready and not engaged on lengthy tasks like backing-up, i.e. we’ll be better placed to engage with your enquiry.”**

### **OC00-briefing**

#### **Worked Example - Page 20**

The question: "On the 18th September 1980 a yacht crossed the 180th meridian heading in a westerly direction." should be amended to read "On the 18th September 1980 a yacht crossed the 180th meridian heading in an **easterly** direction".

The first sentence of Step 1 commencing: "If the vessel is heading to the west, ..." should be amended to read "If the vessel is heading to the **east**, ...".

Corrected by the release of version 3.1.2 on 3<sup>rd</sup> March 2010.

### **OC01-time**

At present there are no known errors in this module.

### **OC02-spheres**

At present there are no known errors in this module.

### **OC03-sextant**

At present there are no known errors in this module.

### **OC04-meralt**

#### **Question 5 (Student Marked) – Page 70**

The hemisphere of the EP latitude in the first sentence: “60°03'.0N” should be changed to read “60°03'.0**S**”.

This correction has been made in course materials issued after 3<sup>rd</sup> October 2009.

### **OC05-sun**

At present there are no known errors in this module.

### **OC06-plotting**

## Page 13 (Plotting a bearing less than 180°T using a meridian of longitude )

Insert new fourth paragraph: “There is a strip of clear plastic between the line against the pencil in the illustration and the physical edge of the plotter. On the bearing in this example, the edge of the plotter will move the pencil away from the line shown creating an error of approximately 2 degrees. There are 2 ways to overcome making this error. The first is to draw a pencilled dot at the end of the plotter where the line terminates and draw from there. A better way is to turn the plotter through 90 degrees and use the inner scale with a parallel of latitude as we do in the next example. Our advice is to try both methods and see which you prefer!”

This correction has been made in course materials issued after 1<sup>st</sup> January 2010.

### OC07-sunrunsun

#### Question 6 (Student Marked) – Page 86

The latitude of the OP: “49°53'·6S” should be changed to read “49°56'·3S”.

This correction has been made in course materials issued after 24<sup>th</sup> October 2009.

### OC08-starplan

#### Question 2 (Student Marked) – Page 61 (Star Plan)

The first sentence of the first paragraph should be replaced to read: “**This time you can see that the LHA range (074-083°) spans more than one block in volume 1 of the Sight Reduction Tables, so we need to record both the set of stars at the opening LHA 074° and the set of stars at the closing LHA 083°.**”

The second sentence of the second paragraph “Kochab and Enif form almost a straight line on the plot and either Rasalhague and Hamal or Vega and Hamal could be chosen as the “crossbar”.” should be deleted.

The third sentence of the second paragraph “We have chosen Capella and Altair as our “upright” because they are both first magnitude stars and by using Vega in the “crossbar” we have 3 out of 4 stars being first magnitude as easier to find and work with.” should be changed to read: “We have chosen **Deneb** and **Sirius** as our “upright” because they are both first magnitude stars and by using **Hamal and Dubhe** in the “crossbar” we have 2 out of 4 stars being first magnitude **and as near to an ‘X’ shape as we can get.**”

These three corrections have been made in course materials issued after 4<sup>th</sup> November 2009.

#### Question 3 (Student Marked) – Page 67 (Star Plan)

The second sentence “Rasalhague and Mirfak form almost a straight line on the plot and Arcturus and Alphertaz could be chosen as the “crossbar”.” should be changed to read “Rasalhague and **Kochab** form almost a straight line on the plot and **Denebola** and **Deneb** could be chosen as the “crossbar”.”.

The third sentence "... Kochab and Altair as our "upright" because Altair is a first magnitude star and by using Arcturus in the "crossbar" we have 2 out of 4 stars being first magnitude as easier to find and work with." should be changed to read "We have chosen **Dubhe** and **Rasalhague** as our "upright and by using **Arcturus** with **Deneb** in the "crossbar" we have 2 out of 4 stars being first magnitude **and as near to an 'X' shape as we can get.**"

These two corrections have been made in course materials issued after 4<sup>th</sup> November 2009.

### **OC09-stars**

At present there are no known errors in this module.

### **OC10-polaris**

#### **Page 35 – Student Marked Question 2**

Sextant Altitude "56°29'.5" should be changed to read "**59**°29'.5".

This correction has been made in course materials issued after 25<sup>th</sup> March 2010.

### **OC11-planets**

At present there are no known errors in this module.

### **OC12-moon**

At present there are no known errors in this module.

### **OC13-compass**

#### **Question 5 (Student Marked) – Page 115**

The LMT of Sunset @ 28 30'N is 21d19h00m42s and not 21d18h43m06s as shown. Unfortunately, this error puts the increment of minutes and seconds outside the range given in the RYA (Ocean) course book and therefore students will not be able to do this question so it should be omitted.

### **OC14-gps**

At present there are no known errors in this module.

### **OC15-met**

At present there are no known errors in this module.

### **OC16-passage**

At present there are no known errors in this module.