



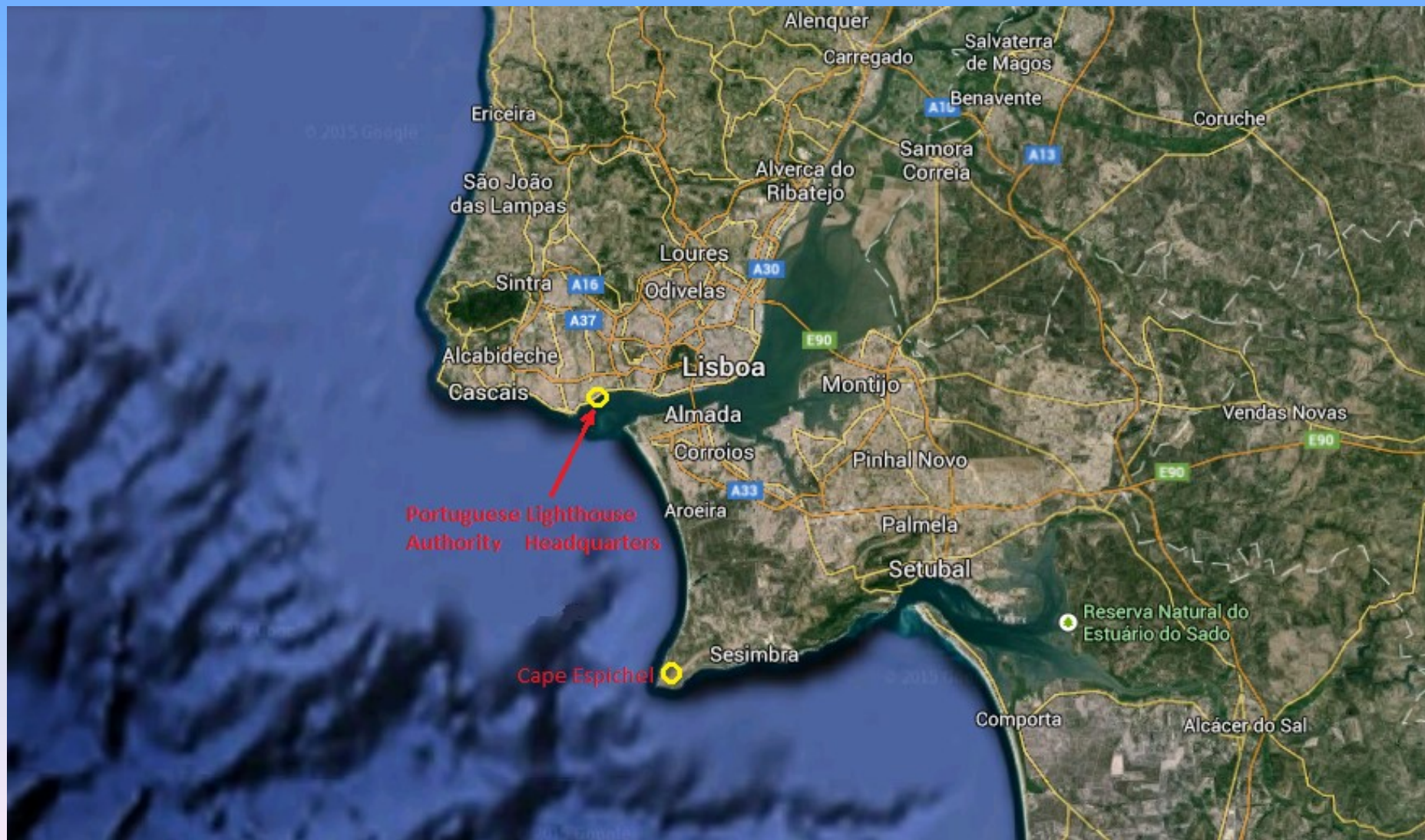
New Light Source

Test in Cape Espichel Lighthouse

30 March a 08 April



The Cape Espichel Lighthouse





The Cape Espichel Lighthouse





The Cape Espichel Lighthouse



- Established – 1790
- Height – 32m
- Altitude – 168m
- Range – 26NM
- Characteristics – Fl W 4s (Lt 0,3s;Ec 3,7s)



The Cape Espichel Lighthouse



4th order

Diameter – 600mm

Focal distance – 300mm

5 rpm

Instalation New Light Source



Adjusting lamp focus



Instalation New Light Source





Results of the New Light Source

| Date | Time | Range in Nautical Documents | Observation Range |
|---------------|-------|-----------------------------|-------------------|
| 02 April 2015 | 04:27 | 26NM | 37NM |
| 02 April 2015 | 04:59 | 26NM | 39NM |
| 02 April 2015 | 05:28 | 26NM | 37NM |
| 03 April 2015 | 00:00 | 26NM | 27NM |
| 03 April 2015 | 03:20 | 26NM | 37NM |
| 03 April 2015 | 04:25 | 26NM | 35NM |

- **Observations were made aboard the warship N.R.P “João Roby” by qualified personnel with experience in this kind of test**
- **Visibility was very good**