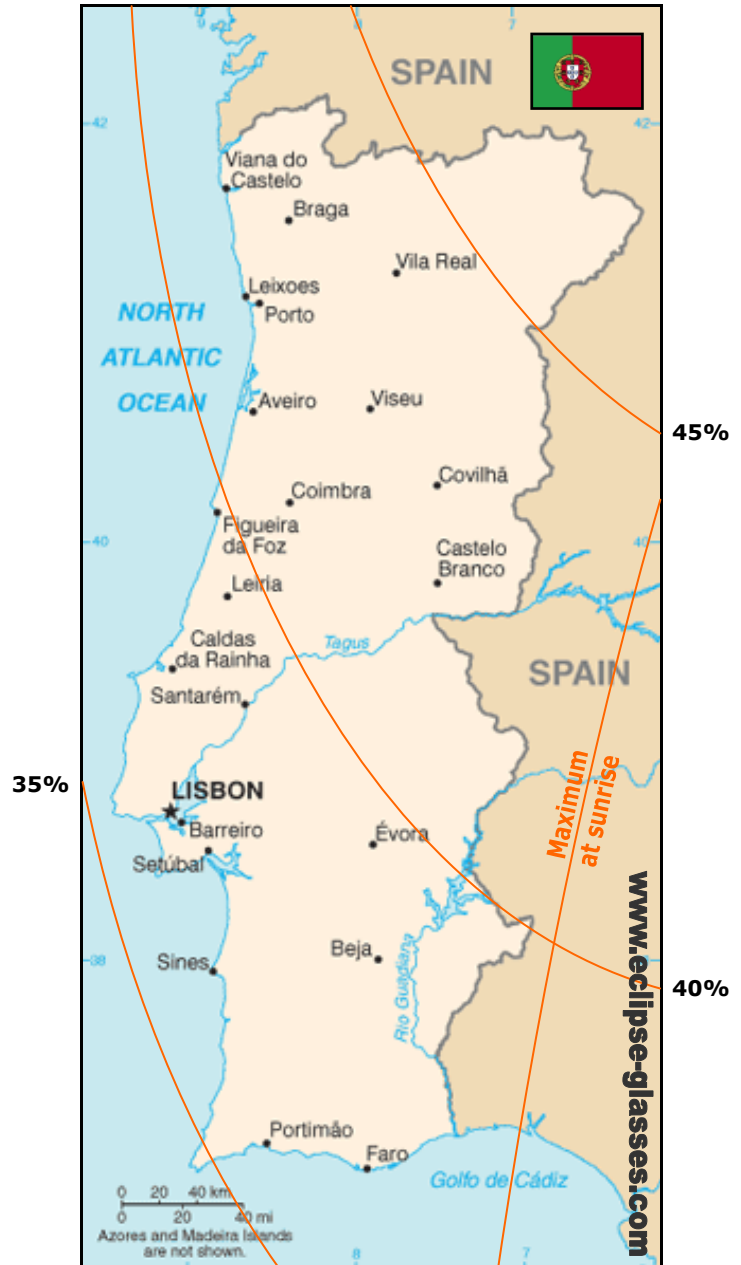
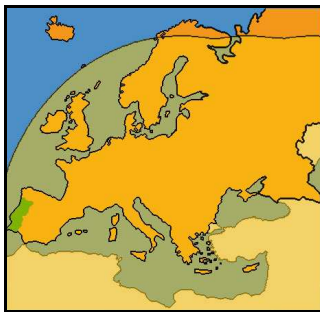
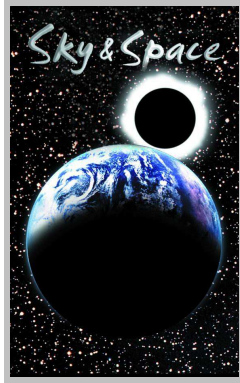


TUESDAY 4 JANUARY 2011

SOLAR ECLIPSE IN "PORTUGAL"



POSITION	MAXIMUM ECLIPSE	OBSCURATION OF THE SUN	FIRST CONTACT AT SUNRISE		LAST CONTACT
	H MN S	IN %	H MN S	OBS.%	H MN S
1 Aveiro	07 58 36	41,0	07 58 36	41,0	08 58 49
2 Barreiro	07 54 31	37,3	07 54 31	37,3	08 53 57
3 Beja	07 47 57	38,5	07 47 57	38,5	08 54 17
4 Braga	08 00 31	42,6	08 00 31	42,6	09 01 03
5 Bragança	07 54 35	46,7	07 54 35	46,7	09 04 00
6 Caldas da Rainha	07 56 57	38,2	07 56 57	38,2	08 55 28
7 Castelo Branco	07 51 33	42,2	07 51 33	42,2	08 58 44
8 Coimbra	07 56 25	41,0	07 56 25	41,0	08 58 13
9 Covilhã	07 52 57	43,0	07 52 57	43,0	08 59 43
10 Elvas	07 47 31	40,9	07 47 31	40,9	08 57 13

> Times are shown in LOCAL TIME.

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POSITION	MAXIMUM ECLIPSE	OBSCURATION OF THE SUN	FIRST CONTACT AT SUNRISE		LAST CONTACT
	H MN S	IN %	H MN S	OBS.%	H MN S
11 Esposende	08 01 57	41,6	08 01 57	41,6	09 00 32
12 Évora	07 49 36	39,4	07 49 36	39,4	08 55 26
13 Faro	07 45 26	36,5	07 45 26	36,5	08 51 57
14 Figueira da Foz	07 58 01	39,8	07 58 01	39,8	08 57 28
15 Guarda	07 52 49	43,8	07 52 49	43,8	09 00 35
16 Guimarães	07 59 45	42,9	07 59 45	42,9	09 01 01
17 Leiria	07 56 35	39,5	07 56 35	39,5	08 56 42
18 Leixoes	08 00 22	41,5	08 00 22	41,5	08 59 56
19 LISBON	07 54 58	37,3	07 54 58	37,3	08 54 00
20 Nazare	07 57 12	38,6	07 57 12	38,6	08 56 00
21 Portalegre	07 49 40	41,4	07 49 40	41,4	08 57 41
22 Portimão	07 48 06	35,9	07 48 06	35,9	08 51 19
23 Porto	08 00 01	41,7	08 00 01	41,7	08 59 57
24 Sagres	07 49 25	35,0	07 49 25	35,0	08 50 25
25 Santarém	07 54 35	39,0	07 54 35	39,0	08 55 45
26 Setúbal	07 53 33	37,5	07 53 33	37,5	08 53 54
27 Sines	07 51 40	36,7	07 51 40	36,7	08 52 39
28 Sintra	07 56 07	36,8	07 56 07	36,8	08 53 48
29 Tomar	07 54 35	40,2	07 54 35	40,2	08 56 56
30 Viana do Castelo	08 02 35	41,6	08 02 35	41,6	09 00 49
31 Vila Real	07 57 04	44,0	07 57 04	44,0	09 01 29
32 Viseu	07 55 44	42,8	07 55 44	42,8	08 59 53

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WHAT YOU WILL SEE OF THE ECLIPSE IN LISBON – 37.3%



Admire the eclipses, but above all do not forget to wear our SPECIAL GLASSES!