



1
00:00:05,660 --> 00:00:02,500
so this is an illustration of how both

2
00:00:09,049 --> 00:00:05,670
Australia and the UK will be in daylight

3
00:00:11,480 --> 00:00:09,059
at the same time on December 21st I set

4
00:00:14,660 --> 00:00:11,490
up this globe pointing towards the Sun

5
00:00:17,240 --> 00:00:14,670
which is over here and the base of the

6
00:00:19,220 --> 00:00:17,250
globe is set up so that it's just

7
00:00:21,200 --> 00:00:19,230
parallel to the light you can see

8
00:00:22,910 --> 00:00:21,210
whenever of it the dust on it gets

9
00:00:25,429 --> 00:00:22,920
illuminated because the Sun is coming in

10
00:00:29,109 --> 00:00:25,439
this way and there's the axis of the

11
00:00:31,669 --> 00:00:29,119
globe and there's the tilt so this is

12
00:00:35,479 --> 00:00:31,679
tilted perfectly away as if it would be

13
00:00:39,440 --> 00:00:35,489

on December 21st now over here we can

14

00:00:40,790 --> 00:00:39,450

see we've got the UK which is just in

15

00:00:43,340 --> 00:00:40,800

sunlight you can see where the

16

00:00:44,260 --> 00:00:43,350

Terminator is there if we go around the

17

00:00:50,270 --> 00:00:44,270

other side

18

00:01:02,689 --> 00:00:50,280

without moving the globe is eastern

19

00:01:06,020 --> 00:01:02,699

Australia right here there's another

20

00:01:15,800 --> 00:01:06,030

view of it going over the top here

21

00:01:18,260 --> 00:01:15,810

Australia this is set up for the