MOON PHASES

- ▶ Solar <u>model</u> was not known to ancient people.
- Difficult to determine phase transitions, e.g. 0% visibility for New Moon.
- > Transitions occurs during various times of the day, for example during midday
- Everyone must agree on the exact time by observing. To this date, Islamic calendar is based on the authorized sighting and the next phase is not set (known) in advanced.

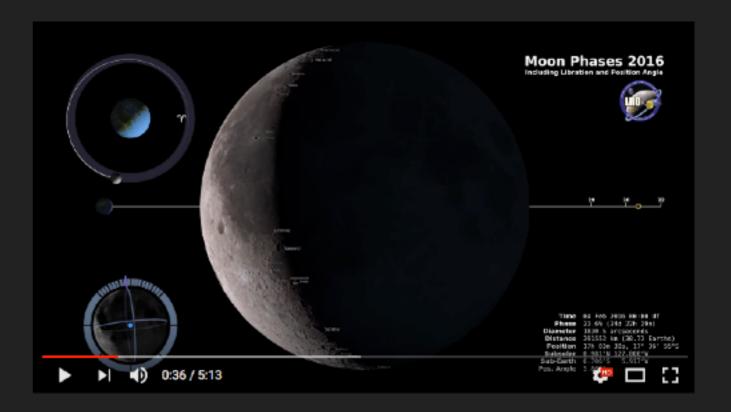


2018 New Moon times GMT timezone

17 Jan	02:17
15 Feb	21:05
17 Mar	13:11
16 Apr	02 : 57
15 May	12:47
13 Jun	20:43
13 Jul	03:47
11 Aug	10:57
9 Sep	19:01
9 Oct	04:46
7 Nov	16:01
7 Dec	07:20

MOON QUIZ

- Compare two moon images captured at the same time on February 4th, 2016 by NASA Lunar Reconnaissance Orbiter.
- What does each image you tell about the observer location?



Moon Phases 2016



