

Dec 7, 1972  
10:30:00 AM

**Dav1** **Dav2** **Dav3** **Dav4** **Dav5** **Dav6** **Dav7** **Dav8** **Dav9** **Dav10** **Dav11** **Dav12** **Dav13**



Apollo17.org - The real-time experience of NASA's Apollo 17 mission to the moon

This is a real-time interactive exploration of the Apollo 17 Mission.

Watch and listen to every moment of the mission--over 300 hours of audio transmitted, 550,000+ words spoken and transcribed, 4,200+ photos taken, and 22+ hours of television transmitted from the lunar surface.

## 3 Historical Time

Historical time difference  
Years, Months, Days, Hours, Minutes, Seconds

urrent Time  
ATE  
ME

Experience the mission exactly, to the second, as it happened exactly 43 years ago.

## Start in Real-time

Or

**Start 1 minute  
to launch**



This application may not work in your browser. Get Chrome.

- The “real-time” button causes mission to jump to the current time of day to play back. This makes the current time the driver experience what happened on the mission at exactly the current moment, 43 years ago.

Dec 7, 1972 10:00:00 AM Day1 Day2 Day3 Day4 Day5 Day6 Day7 Day8 Day9 Day10 Day11 Day12 Day13

**Apollo17.org - The real-time experience of NASA's Apollo 17 mission to the moon**

Current mission historical time

Mission film and video. Displayed as was shot on the mission. Click to pause/play.

Mission Navigator. Click to jump to specific mission time

Mission Photography Appears when each photo was taken

v1.0 More about this project [link](#)

Content Tabs.  
TOC: Textual mission stages  
Commentary: Crew post-mission commentary

Mission Transcript. Contains every word spoken on the mission.

**Close**

Some kind of representation of the interface, labelled explaining each portion of the screen.

This modal is opened by the "?" icon in the main app.

Some kind of representation of the interface, labelled explaining each portion of the screen.

This modal is opened by the "?" icon in the main app.

Fixed Frame Responsive in layout

Dec 7, 1972  
12:32:00 AM  
MET 000:00:00

Day1 Day2 Day3 Day4 Day5 Day6 Day7 Day8 Day9 Day10 Day11 Day12 Day13

SLEEP Day4 EVA3

Traverse to ALSEP ALSEP Traverse to Station 6 Station 6 Video Transmission

RT ?

14 13 12 11 10

5

4

3 000:00:00 Photo Number  
000:00:00 Photo Number

7 Tab Tab Tab Tab

8

2 Table cell Table cell  
Table cell Table cell

9

1) Mission navigator.  
(see sub wireframe)

2) Current photo caption  
Always time, photo number, and  
photographer name—plus a  
description (caption) that can be a  
paragraph in length but is usually  
only a few words. Revealed on  
rollover

3) Photo timeline. Scrolls to  
current photo. Contains photos  
from entire mission

4) Current mission photo. Always  
a square. Always extremely high  
quality. Keeping them full height  
will allow for largest depiction on a  
16:9 screen.

5) Streaming video. Always  
playing unless manually paused  
to stop the mission playback.

7) Tabs to toggle between mission  
transcript, mission table of  
contents, and mission  
commentary. If an event fires  
within a tab that isn't active, the  
tab label flashes to indicate  
activity (see prototype)

8) Mission text area. Usually  
mission transcript. Scrolls  
automatically to current event.  
Different transcript item types  
(different speakers, public affairs  
voiceover) may have different text  
colour or other treatment.

9) Current mission time of day.  
MET is Mission Elapsed Time, or  
time since launch. There's also the  
possibility to show Historical  
Time difference which is the  
amount of time between the  
mission time and today (42 years,  
10 months, ...etc)

10) fullscreen toggle

11) help modal toggle

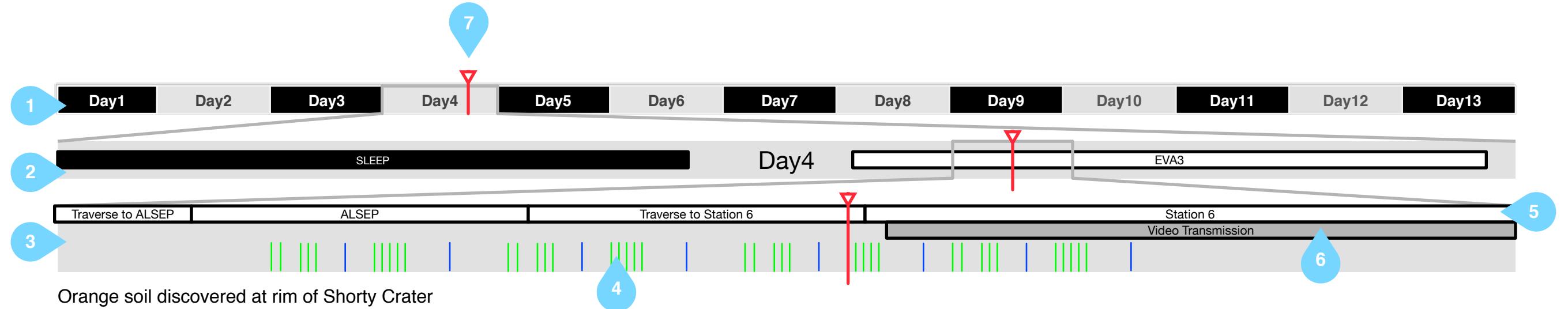
12) real-time indicator. Some kind  
of “on” state when in real time,  
“off” when not. Clicking it on will  
jump to real-time. Could be a  
“time” icon with explanation  
rollover

13) play / pause toggle in case  
people don’t want to use youtube  
controls

14) Mute / Sound toggle

**Design direction:**

- These are all responsive non-scrolling panels. Text windows under tabs do scroll but height is static.
- should there be designed chrome between the panels? If so, the chrome should be small as not to take up too much screen space
- text colour for #8. Different colours for people speaking vs PAO (public affairs officer) speaking. Commentary, table of contents could have same colours.
- overlay treatment for #2. Semi transparent? Layout of info?



#### Mission Navigator

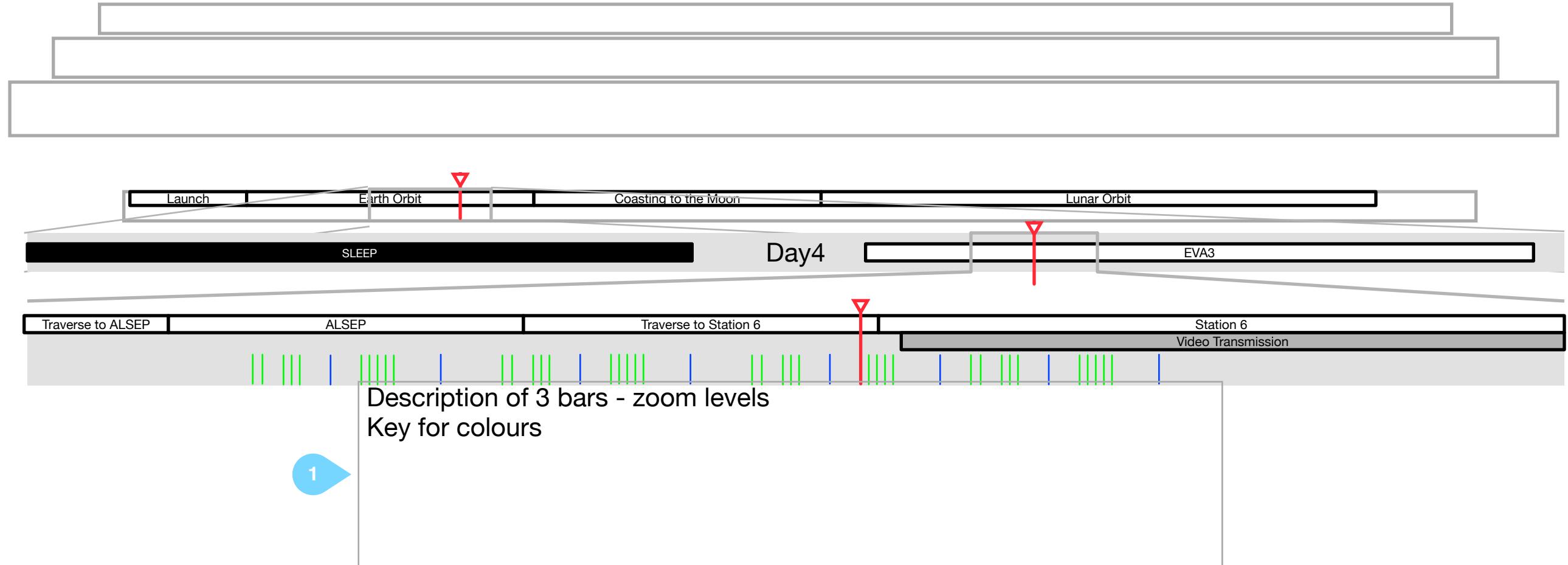
This whole navigator object is fixed height, flexible width depending on main window width.

There are 3 levels of zoom.

- 1) Level 1: Fixed indicator of entire mission showing days. 305 hours total.
- 2) Level 2: Single day. Regions on timeline indicate key events such as sleep periods, spacewalks, top level table of contents items. Clicking the mouse on level 2 moves the zoom indicator to the mouse position and repaints level 3.
- 3) Level 3: Part of day — Approximately 2 hours in length. This view scrolls as the mission plays.
- 4) Ticks indicate bookmarked events (level 2 and 3 of table of contents), photographs.
- 5) Region indicators that relate to level 2 high-level event regions.
- 6) Media regions such as segments with audio, segments with video.

#### Design direction:

- what colours should be used for elements?
- should each bar be a solid colour?
- tick colours. Currently:
  - green for photo
  - light blue for words spoken (transcript item)
  - grey for TOC item
  - lightgrey for overall mission states (e.g., on the way to the moon)
  - white for zoom boxes
  - red for current mission time
  - yellow for over time



1) modal that drops down when hovering on navigator that explains the navigator