

July 31

at 4.30 AM Mr. Haining my words
with the Capt for the last month
he being substituted told me at
the breakfast table before saying
a word to me that I must not
do any more duty on board the
ship *Clara B. Jenny*

At 9.30 AM came to me and
told me that if I would promise
to stop smoking when on duty
that I might go on duty again
when I saw fit to do so

Lunar Observations Jan 7 ^{hours off 8} 12 11 47

1 Sea account Jan 6 ^{h m s} 12.11.47

2 Longitude in time
this gives the Reduced time ^{8.30.00} 5 41 47

3 Moons Semidiameter for Moon and Midnight

14.04
14.09

4 difference
table XI give 4

14.06

table XI give 9
14.15

this is done

6 Moons hor parallax ^{14.20} 14.20

7 table difference 14

Moons hor parallax 14.24

8 ab Dis 3.4m 86.36 00 ^{orig from the} of the star

9 Moons Semidiameter 14.15 subtract

gives Ap Distance

68° 20.45

10 observed Alt of the star

11 Moons abs Alt 33

subtract 32.14

add 34.43

stars Ap Altitude 32.10

Moons Ap Alt 34.43

Moons horizon parallax
Table 22 at the
log eccentric up
stars Ap Alt