THE GREAT WALL OF CHINA:
THE WORLD’S GREATEST BOUNDARY MONUMENT !!!

THE MOON AS SEEN FROM THE GREAT WALL !!!
TOMB RELIEF FROM THE HAN DYNASTY (202 BC - 6 AD) SHOWING EMPEROR FU XI and his consort NU WA with drawing compass and set square in hand.
EMPEROR
YU THE GREAT
C. 2200 TO 2100 BC

THE AUTHOR OF THE
HAIDAO SUANJING (263 AD)

Liu Hui
MATHEMATICIAN
MEASURING WITH A SET SQUARE

Aligning

Measuring height

Measuring depth

Determining distances on a horizontal plane

LIU HUI (c220-280)

In comprehending by analogy, problems are always solvable though they may be very troublesome and obscure.

— Liu Hui (A.D. 263)
SIGHTING STAFF OR GNOMON

SIGHTING SQUARE

PLUMB LINE

MEASURING ROPE WITH PLUMB BOB ATTACHED
Tower measurements were much the same in 1247 as in 1592?!?

1247  1592

1726 Woodcut from the Tu Shu Ji Cheng

Fig. 3. A woodblock print illustrating the sea island situation. Given to the Tu Shu Ji Cheng (1726), an encyclopedia.
THE WARRING STATES PERIOD

BORDER LINES WITH BOUNDARY WALLS

QIN SHI HUANGDI: THE FIRST EMPEROR (221-206 BC)
SOME OF THE
3,000 CHINESE
CHARACTERS
IN THE MODERN
ALPHABET

THE GREAT
WALL OF
THE FIRST
EMPEROR

03-09-2014
THE FIRST EMPEROR’S "GREAT WALL"

TERRACOTTA GUARDIANS OF THE FIRST EMPEROR AT HIS TOMB IN XI’AN
HAN DYNASTY WALL
(206 BC–220 AD)
HAN SILK MAP FROM c. 180 BC
CHINA'S GREAT WALL HERO: QI JIGUANG (1528-1588)
MING GREAT WALL ERECTION

MING BRICK KILN

GREAT WALL BRICKS FROM 1577

INSCRIBED GREAT WALL BRICKS

Above and left: Like many Wall bricks, this one is stamped with its date and origin. When turned upright, it reads: ‘Emperor Wan Li’s 5th year [i.e. 1577], made by the Stone Pond [factory]’.
TESTING THE GREAT WALL DEFENCES

MATTEO RICCI
1552-1610
DORGON THE MANCHU

SALVAGING GREAT WALL MATERIAL

GREAT WALL REMAINS
JOHANN ADAM SCHALL VON BELL
(1592-1666)
BEIJING OBSERVATORY
BUILT IN 1442
THE WALL
UP HILL AND
DOWN DALE

THE GREAT WALL
FROM THE SKY ...
TO THE SEA!

THE GREAT WALL

... AT LAND'S END!
The restored North Gate looks as if it is still ready to defend an invading army. It can be seen in the middle of the picture below, or can the wall climbing up the coastal hills (right).

GREAT WALL GATES

QI JIGUANG BY THE SEA AND HIS MINI GREAT WALL
THE RESTORED UPPER SURFACE OF THE MING GREAT WALL

QI JIGUANG ON HIS HORSE

CAMELS AT THE GREAT WALL
THE WORLD WITH CHINA AT THE CENTRE
1705 QING MAP

"TEN THOUSAND MILE MAP OF MARITIME DEFENCES"
CHINESE SURVEYORS NEAR A SECTION OF THE GREAT WALL

MODERN DAY GREAT WALL SURVEYORS
MAY THE GOLDEN SUN
ALWAYS SHINE ON;

THE GREAT WALL
OF CHINA