

# هل نحن بحاجة حقاً للعودة إلى القمر؟؟

2004 / - 7/6 - 20 -

---

4.5

(magma)

400

2000

(lava)

400-300

(maria)

1959

Luna 3



)

.(

Aitken

1994

Clementine

71

Lunar

Prospector

.1998

11

anorthosite

3.8

3

3.8

11

200

)  
(

(SPA )  
(Korolev )  
16  
20

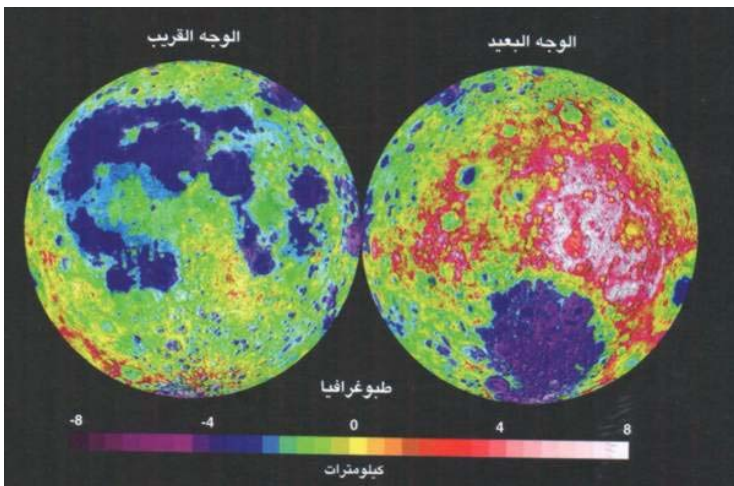
SPA

2600

) 45

( 300

SPA



)  
(

2600

3.87

4.3

SPA

( )

SPA

3.8

3.9

.(lunar cataclysm)

SPA

4

4.5

(planetesimals)

1.5

3.9

23

)

.(

600

600

.SPA

(radioactive decay)

-

3.87

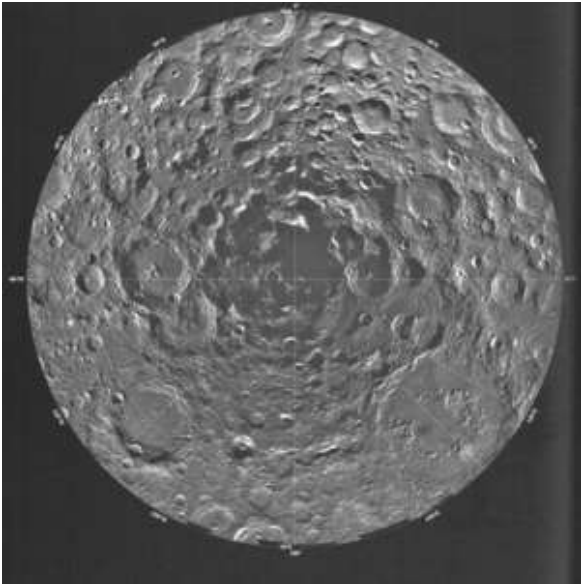
Serenitatis

203- 223

SPA

SPA

4.3



150

1994

70

60-

40-

100 150-

10

2003

SMART 1

16

2004

Lunar A

%75

Shackleton

2005  
.SELENE

SPA

2002

SPA

.2010

( )

120

SPA