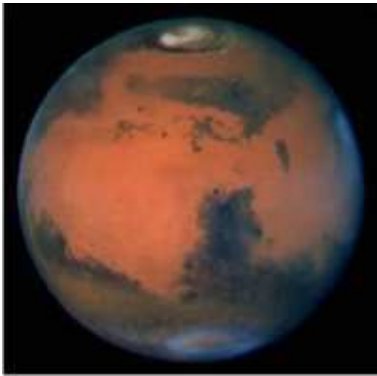


الكوكب الأحمر

أ. وسام الحسين*

لمحة تاريخية

لمحة عامة عن المريخ



249-207

) 6794

56

(

37

24

27+

687

140-

23.5

25.2

خواص كوكب المريخ



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2008/12/16

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.%20 : -

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أقمار المريخ

.1877



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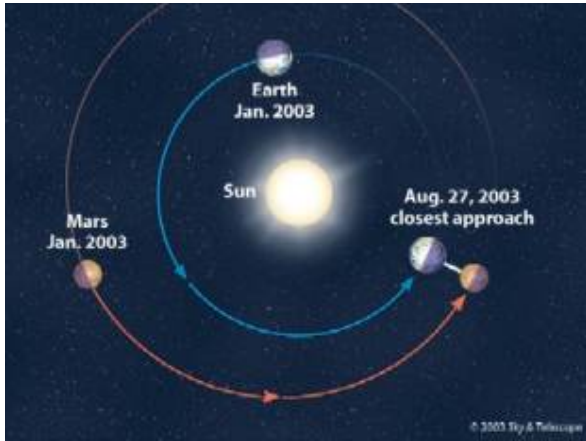
:(Phobos) -

9.000 22

:(Deimos) -

23.000 12

اقترابات المريخ



60

2003

18-15

60

استكشاف الكوكب

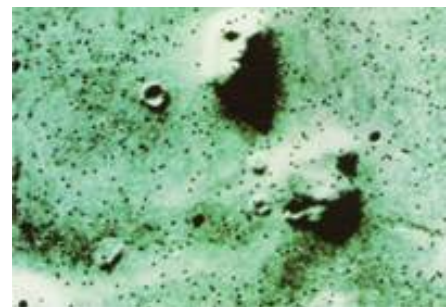
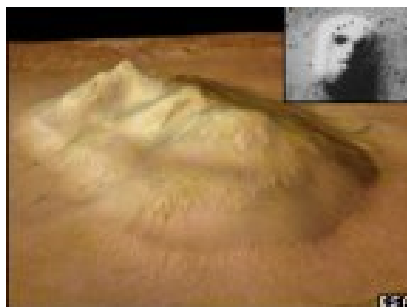
24

27+

الظواهر المكتشفة على سطح المريخ

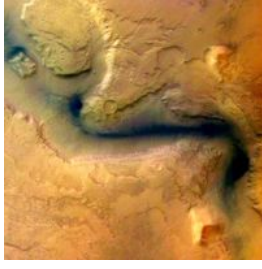
Sedonia

1976



1870

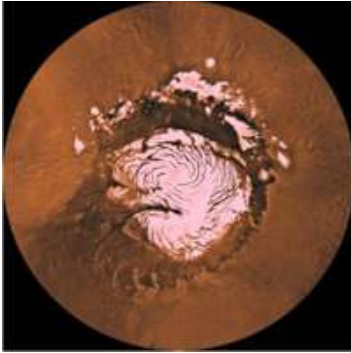
()



18-15

200-100

القطب المريخي الجليدي



3.7

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1976



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رحلات استكشاف المريخ

:

	1960/10/10	1	1
	1960/10/14	2	2
	1962/10/24	22	3
	1962/11/1	1	4
	1962/11/4	24	5
	1964/11/5	3	6
21	1964/11/28	4	7
	1964/11/30	2	8
75	1969/2/24	6	9
126	1969/3/27	7	10
	1971/5/8	8	11
	1971/5/10	419	12
	1971/5/19	2	13
20	1971/5/28	3	14
7329	1971/5/30	9	15
	1973/7/21	4	16
	1973/7/25	5	17
	1973/8/5	6	18
	1973/8/9	7	19
	1975/8/20	1	20
50.000	1975/9/9	2	21
	1988/7/7	1	22
	1988/7/12	2	23
	1992/9/25		24
	1996/11/7		25
	1996/11/16	96	26
	1996/12/4		27
	1998/7/4		28
	1998/12/11		29
	1999/1/3		30
	2001/3/7		31
	2003/6/2	2	32
	2003/6/10		33
	2003/7/7		34
	2005/8/10		35
	2007/8/4		36

2012 2009

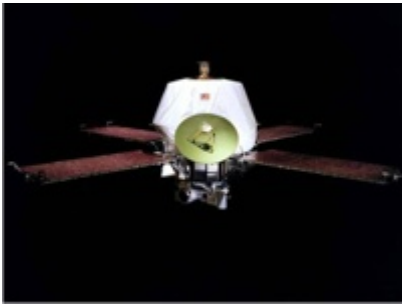
200

2015

Rover 2015

450 150

(Mariner-9) 9

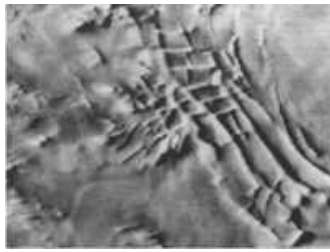


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7329

9

(Viking)



(Mars Pathfinder)

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(Exploration Rover Spirit)

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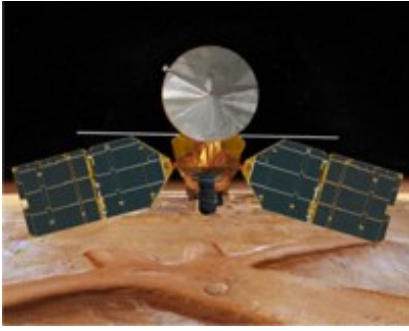
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(Mars Express)

.()

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(Mars Reconnaissance)

() 2006 2005

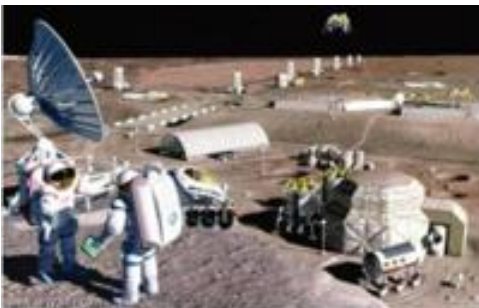
(Phoenix)



2007 70 2008

2.5
40-
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غزو واستيطان المريخ



2180-2170

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