

MARS

No. **348**
25 July 2008

OBSERVATIONS

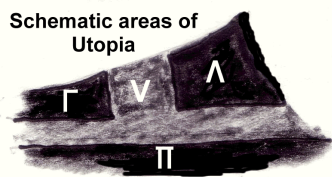
Published by the OAA Mars Section

07/08 CMO Note (2)

Dust Disturbances at Utopia
on 22 January ($\lambda=021^\circ\text{Ls}$) and
on 4 February 2008 ($\lambda=027^\circ\text{Ls}$)22 Jan ($\lambda=021^\circ\text{Ls}$), 4 Feb 2008 ($\lambda=027^\circ\text{Ls}$)

時のウトピアに於ける黄塵

1° Until the time the northern spring equinox visits, it is not easy to look through over the whole area of Utopia because of the activity of the north polar hood (nph). For instance the images of GRAFTON (*EGf*) on 20 Oct ($\lambda=334^\circ\text{Ls}$, $\phi=06^\circ\text{N}$)



at $\omega=252^\circ\text{W}$ show no more than the main tip of Utopia (denoted here schematically by Λ) and other parts are hidden under the nph. HIGA (*Hg*)'s image on 2 Nov ($\lambda=341^\circ\text{Ls}$) at $\omega=255^\circ\text{W}$ also shows that the nph prevails. The sets of images of PEACH (*DPc*) on 16 Nov ($\lambda=348^\circ\text{Ls}$, $\phi=07^\circ\text{N}$) at $\omega=212^\circ\text{W} \sim 264^\circ\text{W}$ suggest that something has happened at the V part which precedes the Λ area, but it is not uncertain because of the presence of the nph. If judged from the R images, the light and shade of Utopia must have been a bit different from the usual aspect (after the great dust storm?). The nph on *DPc*'s images on 16 Nov looks to have a small cyclonic ingredient in R and G, but not in B and hence this ring is caused by a mere see-through of the ground dark point, and the ring does not imply to have been caused by a whirlwind. *DPc*'s following images on 17 Nov ($\lambda=348^\circ\text{Ls}$) at $\omega=205^\circ\text{W} \sim 216^\circ\text{W}$

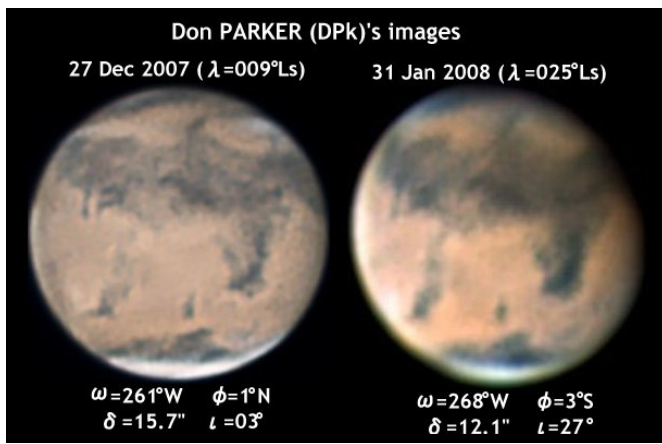
also show the ring of white cloud, but just in R and G and not in B. At any rate the white cloud looks to tend to gather at the north of the V part.

The images made on 21 Nov ($\lambda=351^\circ\text{Ls}$) of DICKINSON (*WDc*) at $\omega=232^\circ\text{W}$, of TATUM (*RTm*) at $\omega=256^\circ\text{W}$, and of MELILLO (*FMI*) at $\omega=259^\circ\text{W}$ look to show a disturbance at the V part, but even then it must have been caused by the nph. On CASQUINHA (*PCq*)'s images made on 23 Nov ($\lambda=352^\circ\text{Ls}$) at $\omega=236^\circ\text{W}$, the V part is completely covered by a big cyclonic white cloud patch and the underneath at V is not known though slightly a dark point is inside (the npc is very apparent here). The V part looks obscure on the images of AKUTSU (*Ak*) on 6 Dec ($\lambda=358^\circ\text{Ls}$) at $\omega=217^\circ\text{W} \sim 248^\circ\text{W}$, and of MORITA (*Mo*) on 7 Dec ($\lambda=359^\circ\text{Ls}$) at $\omega=238^\circ\text{W} \sim 259^\circ\text{W}$, though its relation with the nph is indeterminate.



On 9 December 2007 the northern spring equinox was welcomed, and considerably after that, the nph became less active. *DPc*'s images on 20/21 Dec ($\lambda=006^\circ\text{Ls}$, $\phi=02^\circ\text{N}$) at $\omega=251^\circ\text{W}$, 258°W , 266°W show an inlet from the southern side at the V part definitely. See also *PCq*'s R images on 22/23 Dec ($\lambda=007^\circ\text{Ls}$) at $\omega=235^\circ\text{W}$, 248°W , 266°W . As to one of *DPc*'s images on 22 Dec ($\lambda=006^\circ\text{Ls}$, $\phi=02^\circ\text{N}$), see below (p0947).

Here we shall show a pair of images made by PARKER (*DPk*) on 27 Dec ($\lambda=009^\circ\text{Ls}$, $\phi=01^\circ\text{N}$) at $\omega=261^\circ\text{W}$ and on 31 Jan ($\lambda=025^\circ\text{Ls}$, $\phi=03^\circ\text{N}$) at



$\omega=268^\circ\text{W}$. These prove that there is no such big change at the V including the inlet. To compare with DPK's image on 27 Dec ($\lambda=009^\circ\text{Ls}$) refer also to GORCZYNSKI (PGc)'s IR images on 26 Dec ($\lambda=008^\circ\text{Ls}$) at $\omega=264^\circ\text{W}$, 278°W .

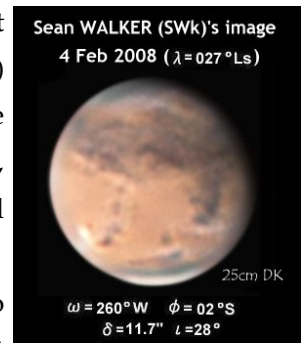
A set of DPc's images on 22 Dec and 27 Jan ($\lambda=024^\circ\text{Ls}$) is also shown below (next page) when we touch on the dust on 4/5 Feb ($\lambda=027^\circ\text{Ls}/028^\circ\text{Ls}$).

2° Between the two observations of DPK, however a definite disturbance at the V part was given rise to on 22 Jan ($\lambda=021^\circ\text{Ls}$). This might have also been given a chance by a remnant of the nph, but mainly aroused by the polar dust. Several observations were compiled around Europe on the day: GERSTHEIMER (RGh) at $\omega=230^\circ\text{W}$ (17:41 GMT), GHOMIZADEH (SGh, Tehran) at $\omega=230^\circ\text{W}$ & 274°W , GÓMEZ (PGm) at $\omega=244^\circ\text{W}$ & 264°W , FERNÁNDEZ=GÓMEZ (FFn) at $\omega=263^\circ\text{W}$, DUPONT (XDp) at $\omega=268^\circ\text{W}$, ADELAAR (JAd) at $\omega=282^\circ\text{W}$, and BOSMAN (RBs) at $\omega=287^\circ\text{W}$ (21:34 GMT), out of which we show five images here: They clearly prove a bright invasion at the V part.

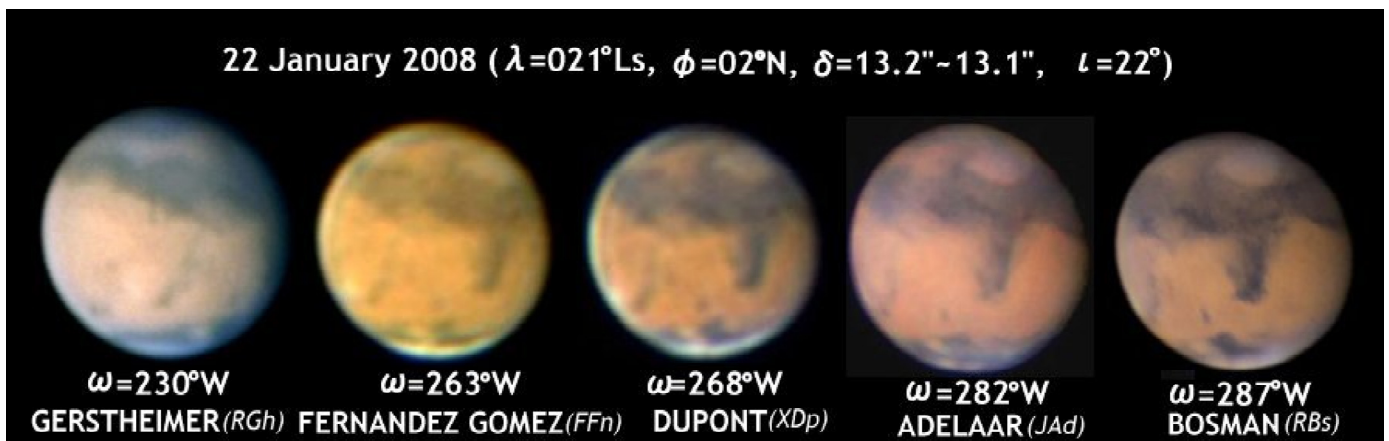
An image of SÁNCHEZ (JSc) on the preceding day 21 Jan ($\lambda=021^\circ\text{Ls}$) at $\omega=298^\circ\text{W}$ suggests the dust part was not definite yet. No image on 23 Jan. On the images made on 24 Jan ($\lambda=022^\circ\text{Ls}$) of SCHULZ (RSz) at $\omega=245^\circ\text{W}$, 249°W , 263°W , of PCq at $\omega=273^\circ\text{W}$, 281°W , & of HIDALGO=TORTOSA (EHd) at $\omega=276^\circ\text{W}$, the bright part is not shown any more and returned to its former aspect. Henceforward several images were obtained until DPK's on 31 Jan, but no definite change was seen at Utopia.

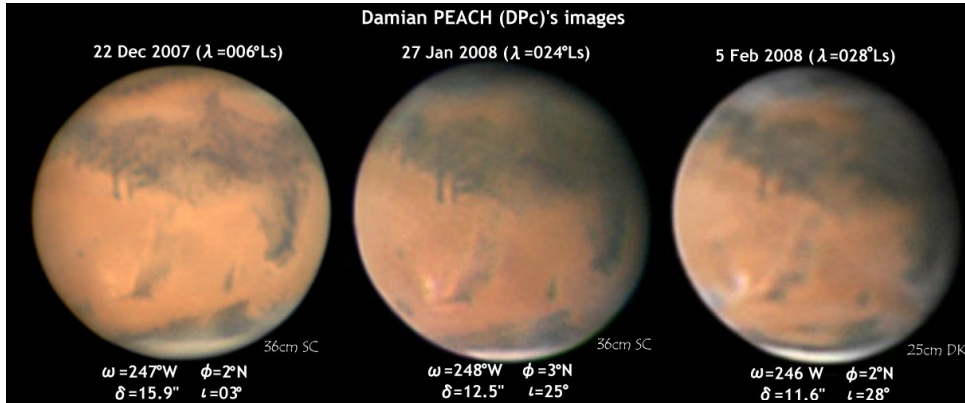
3° However, readily after that, a change appeared at the Γ part of Utopia: As seen on the image by

WALKER (SWk) acquired at Florida on 4 Feb ($\lambda=027^\circ\text{Ls}$) at $\omega=260^\circ\text{W}$, 283°W (by the use of DPK's DK telescope), the Γ part is dusty faded and the whole area of Utopia looks split by dust into the upper and lower part



(Π). On the following 5 Feb ($\lambda=028^\circ\text{Ls}$) at $\omega=246^\circ\text{W}$, 251°W , 261°W , DPc produced images by the same Mewlon where the Γ part is washed out (see the next page). This looks however independent of the npc part. This could-be dust phenomenon was unfortunately not chased, and furthermore no image of Utopia was long obtained: Just on 26 Feb ($\lambda=037^\circ\text{Ls}$), DPc and TYLER (DTy) showed at $\omega=278^\circ\text{W}/284^\circ\text{W}$ and at $\omega=284^\circ\text{W}$ respectively that the Γ part had recovered, though V part is faint. DPc's images on 27 Feb ($\lambda=038^\circ\text{Ls}$) at $\omega=269^\circ\text{W}$, 274°W , 280°W , 287°W show the area well. See also KIDD





(SKd)'s image on 3 Mar ($\lambda=040^\circ\text{Ls}$) at $\omega=255^\circ\text{W}$.

4° Any longer few effective images showing Utopia were obtained since the angular diameter much shrank. However at the stage of $\delta=6.7''\sim 6.5''$ in April 2008, a wider view of Utopia was secured by DPc when $\phi=08^\circ\text{N}$. His images on the four days from 7 Apr ($\lambda=056^\circ\text{Ls}$, $\delta=6.7''$) to 10 Apr ($\lambda=057^\circ\text{Ls}$, $\delta=6.5''$) show a large faint area inside Utopia (or a part of Vastitas Borealis) which implies a dust floating or sediment between $\Gamma + V + \Lambda$ and Π . Its eastern part is still seen on 14 Apr ($\lambda=059^\circ\text{Ls}$) and on 16 Apr ($\lambda=060^\circ\text{Ls}$), and so it is possible the phenomenon is occurring on or near the ground.

5° MGS's Weekly Weather Reports in 2002:

http://www.msss.com/mars_images/moc/weather_reports/
tell us several examples of the polar dust which occurred from before the spring equinox to the season $\lambda=035^\circ\text{Ls}$. The polar dust was not so frequent after the subsidence of the activity of the nph. On 26 May 2002 ($\lambda=018^\circ\text{Ls}$) there were seen a few of round arched dusts around the npc, but not so much at Utopia. At $\lambda=027^\circ\text{Ls}$ no dust is seen there. On the other hand before the northern spring equinox a lot of dusts were seen which could be supposed to have been raised because of the persistence of the nph.

The area of Utopia is a distinguished northern dark marking (to the next of the area of Mare Acidalium) so that we expect in the coming apparitions any observer to check the trend of the area of Utopia carefully. (Mn)

1° 北半球の春分前にウトピア全体を見渡すことは北極雲の存在のために極めて難しい。例えば今期の場合グラフトン (EGf)氏の 20Oct($\lambda=334^\circ\text{Ls}$, $\phi=06^\circ\text{N}$) $\omega=252^\circ\text{W}$ ではウトピアの尖り(ここでは模式図のように Λ 部分とする)が強く出ているだけで、あとは

北極雲に沈没している。2Nov($\lambda=341^\circ\text{Ls}$)の比嘉(Hg)氏の $\omega=255^\circ\text{W}$ でも濃い北極雲が覆っている。16Nov($\lambda=348^\circ\text{Ls}$, $\phi=07^\circ\text{N}$) $\omega=212^\circ\text{W}\sim 264^\circ\text{W}$ のピーチ(DPc)氏の画像では Λ に先行するV部分で何か起こっているかも知れないが、矢張り北極雲の浮遊の爲に不分明である。R像から察するところ、既に大黃雲の影響を受けてウトピアの濃淡に従来とは違った様相が出ているかも知れない。尚、これらの画像にはV部の北にRではサイクロン状に見える白雲が出て居るように見えるが、これはBでは見られないことから渦巻きではなく単に下部の模様を透かしているのだと考えられる。DPc氏の翌17Nov($\lambda=348^\circ\text{Ls}$) $\omega=205^\circ\text{W}\sim 216^\circ\text{W}$ にも同様のリングが見られるが、R系だけでBにはない。何れにしてもV北部には白雲が集まる様である。21Nov($\lambda=351^\circ\text{Ls}$)のディッキンソン(WDc)氏の $\omega=232^\circ\text{W}$ 、テータム(RTm)氏の $\omega=256^\circ\text{W}$ 、メリッロ(FMI)氏の $\omega=259^\circ\text{W}$ の像にはV部に擾亂のような様相が見られるが、北極雲の影響かも知れない。23Nov($\lambda=352^\circ\text{Ls}$) $\omega=236^\circ\text{W}$ のカスキニア(PCq)氏の画像にはV部に白雲が濃く被さっていて、下は全く分からない。6Dec($\lambda=358^\circ\text{Ls}$)の阿久津(Ak)氏の $\omega=217^\circ\text{W}\sim 248^\circ\text{W}$ の像や、7Dec($\lambda=359^\circ\text{Ls}$)の森田(Mo)氏の $\omega=238^\circ\text{W}\sim 259^\circ\text{W}$ の画像でもV部の淡さは見られるが、北極雲との關聯が氣になるところである。

9Decには春分になった。そしてこれを可成り超えてから北極雲はだいぶ治まって来た。20/21Dec($\lambda=006^\circ\text{Ls}$, $\phi=02^\circ\text{N}$)の DPc氏の $\omega=251^\circ\text{W}$ 、 258°W 、 266°W には明確にV部の地肌に暗部の凹みが見えている(PCq氏の 22/23Dec($\lambda=007^\circ\text{Ls}$) $\omega=235^\circ\text{W}$ 、 248°W 、 266°W のR像も参照)。DPc氏の 22Decの画像の一つは既に英文の部に挙げてある。

扱て、ここでパーカー(DPk)氏の 27Dec($\lambda=009^\circ\text{Ls}$, $\phi=01^\circ\text{N}$) $\omega=261^\circ\text{W}$ と 31Jan($\lambda=025^\circ\text{Ls}$, $\phi=$

03°N)ω=268°Wを並べて掲げる(英文の部)。先のVの凹みを含めてこの期間、然程の變化がないことを確認して貰う爲である。27Decの像との比較ではゴルチンスキイ(PGc)氏の26Dec(λ=008°Ls)ω=264°W、278°W(IR)も参照されたい。

2° DPK氏の二回の観測の間に、V部に特異な現象が22Jan(λ=021°Ls)に起こった。或いは未だ存在する白雲に誘発されたものかも知れないが、極地性の黄塵によるものと思われる。この日の観測は歐羅巴近郊で幸い数多くなされ、ゲルストハイマー(RGh)氏がω=230°W(17:41GMT)に、ゴミザデー(SGh)氏がω=230°Wと274°Wに、ゴメス(PGm)氏がω=244°W、264°Wに、フェルナンデス=ゴメス(FFn)氏がω=263°Wに、デュボン(XDp)氏がω=268°Wに、アデラル(JAD)氏がω=282°Wに、ボスマン(RBs)氏がω=287°W(21:34GMT)で撮像した。この中から五點を圖に掲げる(英文の部)。明らかにV部に明部が出來ている。前日の21Jan(λ=021°Ls)にはサンチェス(JSc)氏がω=298°Wで撮っているが、22Janほど明確ではない。一方23Janには好い像が無く、24Jan(λ=022°Ls)にはシュルツ(RSz)氏のω=245°W、249°W、263°W、PCq氏のω=273°W、281°W、イダルゴ-トルトサ(EHd)氏のω=276°Wでは消滅し、舊態に戻っていると考えられる。以後31JanのDPK氏の像まで関係する像は幾つか提出されているが、本質的には31JanのDPK氏像に現れているウトピアと變化がないと思う。

3° 然し、この後、直ぐに變化が見られた。4Feb(λ=027°Ls)ω=260°W、283°Wのウォーカー(SWk)氏のフロリダのスターパーティでの像(DPK氏のDK機による)には、模式図のΓ部が淡化し、上部と下部のΠ部の間に黄塵の亀裂が入ったように見える。翌5Feb(λ=028°Ls)ω=246°W、251°W、261°Wの同じMewlonによるDPK氏の像では、Γ部が殆ど淡化している。但し北極冠との繋がりを感じられな

い。この(多分)砂の擴がりはその後追求されなかった、どこかウトピアの像は長く得られず、26Feb(λ=037°Ls)のDPK氏のω=278°W、284°W、タイラー(DTy)氏のω=284°Wに到ってΓ部が復活しているのが確認出来るだけである。但しV部は淡い。またDPK氏の27Feb(λ=038°Ls)ω=269°W、274°W、280°W、287°Wは像がよい。他に3Mar(λ=040°Ls)のキッド(SKd)氏のω=255°Wを参照。

4° 以後ディスクは小さくなってゆくばかりで、観測時間も縮小し、ウトピア像の聯續畫像は得られないが、四月のδ=6.7"~6.5"の段階になってウトピアの面白い様子がDPK氏によって撮られている。φ=08°Nで北側が好く見えるようになった所爲もあるが、ウトピアの内部(と言うべきかワスティタス・ボレアリスの一部)に淡化した部分が大きく顕れていることである。DPK氏の7Apr(λ=056°Ls、δ=6.7")から10Apr(λ=057°Ls、δ=6.5")の四日間の像で、少しずつ様子が異なるのであるが、Γ+V+Λ部とΠ部の間に砂塵もしくは沈澱物の擴がりがあるようである。14Apr(λ=059°Ls)、16Apr(λ=060°Ls)にも東部の淡化が見られるので、地肌で起こっていることであろう。

5° 2002年のMGSのWeekly Weather Reports http://www.msss.com/mars_images/moc/weather_reports/によると、春分前からλ=035°Ls邊り迄、北極冠の周りの黄塵の發生が捉えられているが、北極雲が衰退してからはウトピアを侵すものはあまり知られていない。26May2002(λ=018°Ls)には北極冠の周りで大きな円弧を描く黄塵が幾つか見られるが、ウトピアでは散布型である。λ=027°Ls邊りでは治まっているように見える。一方春分前では、白雲に励起されたと思われる黄塵は可成り多い。ウトピアは地肌が暗色模様であるから、來期など注意深く観測されることが強く望まれる。

(Mn)

CMO 2007/2008 Mars Report #19

OAA Mars Section

We could say the 2007/2008 season has ended. During the period:

from 16 June (λ=086°Ls) to 15 July 2008 (λ=099°Ls).

the apparent diameter δ went down from 4.7" to δ=4.3" which is marginal. The altitude also has been decreased: The apparent declination D was low to 9°15'N on 15 July, and the planet was located low even when the Sun set. The surface showed largely the northern hemisphere: The central latitude φ was from

21°N up to 25°N. The phase angle ι went down from 30° to 26°. The season reached the time where the npc was minimal.

It looked the rainy front disappeared since 4 July in Japan, and it was declared that the rainy season ended at the Shikoku district and others, but Chugoku and Kinki districts were delayed until 16 July. Around Hokuriku district (including Fukui) and Kwanto district, the declaration has been given on 19 July, earlier than usual.

♂.....いよいよ今期も終焉を迎えた。今回は**16June($\lambda=086^\circ\text{Ls}$)**から**15July($\lambda=099^\circ\text{Ls}$)**迄の一ヶ月の結果を扱うが、視直径 δ はこの期間4.7"から15Julyには $\delta=4.3$ "に落ちて、もう限界である。高かった火星も、視赤緯Dが15Julyには $9^\circ15'\text{N}$ と落ちて、陽が沈んだ時点でもはや低い。中央緯度 ϕ は21°Nから25°Nに増えた。位相角 ι は30°から26°に落ちてきた。

今年の梅雨はヘンで、七月4日以来梅雨前線はなく、その頃四國などは梅雨明けとなったが、他は躊躇して、近畿・中國は16日に、關東など他は北陸も含めて19日に梅雨明け宣言となった。

♂..... The observations made during this period were given by the following five observers. One of the present writers (*Mk*) observed on 24 July and on 1 July, but no definite results were obtained.

今回の観測者は五名である。われわれの一人(*Mk*)は24Juneと1Julyに観測したが、シーイングが悪く、記録すべき事が無かった。

GERSTHEIMER, Ralf ラルフ・ゲルシュトハイマー (*RGh*) 德國 Habichitswald, Deutchland

1 Colour + 5 IR Images (16, 23, 24, 29 June; 1 July 2008)

32cm speculum with a DMK21AF04 & ToUcam Pro

KIDD, Simon D サイモン・キッド (*SKd*) 英國 Welwyn, Herts, UK

3 Colour Images (19, 30 June; 10 July 2008) *f*/50 \times 35cm SCT with a DBK21AF04.AS

MINAMI, Masatsugu 南 政次 (*Mn*) 福井 Fukui, Fukui, Japan

6 Drawings (1, 12, 13 July 2008) 400 \times 20cm ED refractor*

*Fukui City Observatory 福井市自然史博物館屋上天文臺

MORITA, Yukio 森田 行雄 (*Mo*) 廿日市 Hatsuka-ichi, Hiroshima, Japan

3 Sets of RGB + 3 IR Images (3, 13, 16 July 2008) 25cm speculum with a Lu075M

NAKAJIMA, Takashi 中 島 孝 (*Nj*) 福井 Fukui, Fukui, Japan

6 Drawings (1, 12, 13 July 2008) 400 \times 20cm ED refractor*

* Fukui City Observatory 福井市自然史博物館屋上天文臺

♂..... **a) CCD Images:** GERSTHEIMER (*RGh*), KIDD (*SKd*) and MORITA (*Mo*) resolutely observed also this period by the use of the ccd cameras: *RGh*'s images on 16 June ($\lambda=086^\circ\text{Ls}$, $\delta=4.7''$) at $\omega=282^\circ\text{W}(\text{IR})/283^\circ\text{W}(\text{RGB})$ show Syrtis Mj and the Aetheria dark patch with a light Elysium, but Hellas and the npc are obscure. *SKd*'s image on 19 June ($\lambda=088^\circ\text{Ls}$) at $\omega=266^\circ\text{W}$ also shows Syrtis Mj and the large Utopia. Elysium looks light near the limb. *RGh*'s image on 24 June ($\lambda=090^\circ\text{Ls}$) at $\omega=215^\circ\text{W}$ detects the northern dark band which is connected with Utopia, but no npc fully. It is also hard to see the npc on *RGh*'s image on 1 July ($\lambda=093^\circ\text{Ls}$) at $\omega=157^\circ\text{W}$ where V Borealis and Propontis I are visible. *Mo*'s set of images on 3 July ($\lambda=094^\circ\text{Ls}$) at $\omega=027^\circ\text{W}$ shows M Acidalium on the morning side and as well *SKd*'s image on 10 July ($\lambda=097^\circ\text{Ls}$) at $\omega=059^\circ\text{W}$ does largely it near the centre. *Mo*'s images on 13 July ($\lambda=098^\circ\text{Ls}$) at $\omega=286^\circ\text{W}$ depict Syrtis Mj and the large area of Utopia definitely, but Hellas a bit in R. *Mo* shot also on 16 July ($\lambda=099^\circ\text{Ls}$) at $\omega=256^\circ\text{W}$ where Syrtis Mj is near the morning terminator and Utopia looks large though the npr is largely faint. **b) Visual Observations:** At Fukui NAKAJIMA (*Nj*) and another of us (*Mn*) visually observed on 1 July, 12 July and 13 July. On 1 July ($\lambda=093^\circ\text{Ls}$, $\delta=4.4''$) M Acidalium faced to us at $\omega=036^\circ\text{W}\sim 051^\circ\text{W}$ while the npc, roundish and small, was not always apparent. On 12 and 13 July

($\lambda=098^\circ\text{Ls}$, $\delta=4.3''$) they watched respectively at $\omega=286^\circ\text{W}\sim 301^\circ\text{W}$ and $\omega=276^\circ\text{W}\sim 291^\circ\text{W}$ (observing at the same time with *Mo* on 13 July), and observed Hellas: Hellas looked slightly bright while the seeing was not so good, and apparent diameter was too small for us to be very sure though Syrtis Mj and Utopia were quite apparent.

a) CCD像 : ゲルシュトハイマー(RGh)氏とキッド(SKd)氏、森田(Mo)氏が果敢に挑んだ。RGh氏の16June($\lambda=086^\circ\text{Ls}$, $\delta=4.7''$) $\omega=282^\circ\text{W}(\text{IR})/283^\circ\text{W}(\text{RGB})$ ではシュルティス・マイヨルは明確だがヘッラスは分からない。アエテリアの暗斑が出ていて、エリュシウムが夕端で明るい。北極冠は明確ではない。SKd氏の19June($\lambda=088^\circ\text{Ls}$) $\omega=266^\circ\text{W}$ ではシュルティス・マイヨルとウトピアがよく出ている。エリュシウムは夕端で明るい。RGh氏の24June($\lambda=090^\circ\text{Ls}$) $\omega=215^\circ\text{W}$ ではウトピアに繋がる東の暗帯が出ているが、北極冠は難しい。同じくRGh氏の1July($\lambda=093^\circ\text{Ls}$) $\omega=157^\circ\text{W}$ でも北極冠は感じられるものの不明確である。北の暗帯(ワスティタス・ボレアリスの一部)とプロポンティスIは出ている。Mo氏の3July($\lambda=094^\circ\text{Ls}$) $\omega=027^\circ\text{W}$ ではマレ・アキダリウムが見えている。SKd氏の10July($\lambda=097^\circ\text{Ls}$, $\delta=4.3''$) $\omega=059^\circ\text{W}$ でもマレ・アキダリウムが大きく窺える。Mo氏の13July($\lambda=098^\circ\text{Ls}$) $\omega=286^\circ\text{W}$ ではシュルティス・マイヨルとウトピアが明確で、問題のヘッラスはR像で少し出ているかも知れない。Mo氏は16July($\lambda=099^\circ\text{Ls}$) $\omega=256^\circ\text{W}$ でも撮った。朝方のシュルティス・マイヨルが明確でウトピアが大きい。北極域は大きく広く稍明るい。**b) 眼視観測** : 福井(Nj氏とMn)では天候が不安定であったことにもよるが、1Julyと12、13Julyの三回の観測となった。1July($\lambda=093^\circ\text{Ls}$, $\delta=4.4''$) $\omega=036^\circ\text{W}\sim 051^\circ\text{W}$ ではマレ・アキダリウムが明瞭に見えたが、北極冠はいつも確實というわけではないが圓くて小さい。12July、13July($\lambda=098^\circ\text{Ls}$, $\delta=4.3''$)はそれぞれ $\omega=286^\circ\text{W}\sim 301^\circ\text{W}$ 、 $\omega=276^\circ\text{W}\sim 291^\circ\text{W}$ の観測で(13JulyはMo氏の観測と重なる)、シュルティス・マイヨルは明確に見え、ウトピアは大きく擴がるが、北極冠はときどき見える程度。ヘッラスは南端で然程明るくはないが、存在が分かる。但し、輝度を云々するほどのシーイングではない。

♂……追加報告: **We Further Received** the following observations which were produced before 16 June.

PEACH, Damian A デミアン・ピーチ (DPc) 英國 Loudwater, Buckinghamshire, UK

45 Sets of RGB + 1 R Images (19, 26, 27 February; 4, 7, 9, 19 March;
3, 7, ~10, 14, 16, 17, 22, ~24 April; 1, 2, 6, ~8, 21 May 2008)
36cm SCT with a SKYnyx 2-0M

We have received many from a backlog of PEACH (DPc)'s work: The sets of images on 19 Feb ($\lambda=034^\circ\text{Ls}$) at $\omega=344^\circ\text{W}\sim 013^\circ\text{W}$ show the inactive evening Hellas cloud. See also TYLER (DTy)'s and BOSMAN (RBs)'s images on the day. However on the day the Argyre evening cloud was thick as seen on FLANAGAN (WFl)'s and PARKER (DPk)'s images. DPc's images on 27 Feb ($\lambda=038^\circ\text{Ls}$) at $\omega=269^\circ\text{W}\sim 287^\circ\text{W}$ show a faint afternoon cloud at Ausonia. Elysium Mons is bright cloudy at $\omega=274^\circ\text{W}$ when it is located around 1:30 PM since $\iota=35^\circ$. The set of images on 7 Mar ($\lambda=042^\circ\text{Ls}$) at $\omega=181^\circ\text{W}$ shows the afternoon cloud at Olympus Mons just before 1:00 PM. The Arsia cloud is also visible near the limb. The images on 9 Mar ($\lambda=043^\circ\text{Ls}$) were made at $\omega=164^\circ\text{W}\sim 173^\circ\text{W}$, out of which the images at $\omega=169^\circ\text{W}$ show the cloud patches at the three Tharsis Montes and Olympus Mons, the latter being just before the noon. On 19 Mar ($\lambda=047^\circ\text{Ls}$) at $\omega=074^\circ\text{W}/082^\circ\text{W}$, the afternoon M Acidalius is shot and a faint Argyre cloud is visible. The images on 3 Apr ($\lambda=054^\circ\text{Ls}$) at $\omega=299^\circ\text{W}\sim 311^\circ\text{W}$ show a faint Hellas morning mist. The images on 7 Apr, 8 Apr, 9Apr and 10 Apr ($\lambda=056^\circ\text{Ls}$, $\phi=7^\circ\text{N}$) which were obtained respectively at $\omega=257^\circ\text{W}\sim 272^\circ\text{W}$, $\omega=248^\circ\text{W}/255^\circ\text{W}$, $\omega=237^\circ\text{W}/247^\circ\text{W}$ and at $235^\circ\text{W}/241^\circ\text{W}$ all show a faint large area at the inside of Utopia, as discussed elsewhere: Since B images also show a faint part it may be partially related with the water vapour activity. Also on the images on 14 Apr ($\lambda=059^\circ\text{Ls}$) at $\omega=201^\circ\text{W}/207^\circ\text{W}$ and on 16 Apr ($\lambda=060^\circ\text{Ls}$) at $\omega=180^\circ\text{W}/187^\circ\text{W}$ the faint part of the eastern Utopia is visible. The latter set of images show the Olympus

Mons cloud. The images on 17 Apr ($\lambda=060^\circ\text{Ls}$, $\iota=37^\circ$) at $\omega=162^\circ\text{W}\sim 174^\circ\text{W}$ are interesting and important because, in addition to the clouds at Tharsis Montes and Olympus Mons, they prove the existence of a cloud at Alba (see a Figure in CMO#319 at page Ser2-0384 for the MGS result of the cloud activity of Alba Patera). In particular at $\omega=162^\circ\text{W}$, Olympus Mons is located before the noon. The images on 22 Apr ($\lambda=062^\circ\text{Ls}$) at $\omega=112^\circ\text{W}$ show that Tharsis Montes and Olympus Mons are made all of dark dots. Ascraeus Mons is located before noon by 1 hour and half. M Acidalius is seen near the CM on 1 May ($\lambda=066^\circ\text{Ls}$) at $\omega=041^\circ\text{W}$ and 2 May ($\lambda=067^\circ\text{Ls}$) at $\omega=029^\circ\text{W}\sim 037^\circ\text{W}$: Aram et al are normally light. The npc is still large. The images on 7 May ($\lambda=069^\circ\text{Ls}$) at $\omega=336^\circ\text{W}\sim 347^\circ\text{W}$ and 8 May ($\lambda=069^\circ\text{Ls}$) at $\omega=331^\circ\text{W}/333^\circ\text{W}$ show an evening cloud at Hellas near the limb. The images on 21 May ($\lambda=075^\circ\text{Ls}$) are near at $\omega=316^\circ\text{W}/318^\circ\text{W}$.

ピーチ(DPc)氏の遅れて届いている観測に就いて、19Feb以降の分である。この間、 δ は10秒角から5秒角臺に推移した。19Feb($\lambda=034^\circ\text{Ls}$) $\omega=344^\circ\text{W}\sim 013^\circ\text{W}$ の像はこの時期の夕方の不活性のヘッラスを示す。同日のタイラー(DTy)氏やボスマン(RBs)氏の像参照。一方当時アルギュレタ雲は濃い(同日のフラナガン(WFl)氏やパーカー(DPk)氏の像参照)。27Feb($\lambda=038^\circ\text{Ls}$) $\omega=269^\circ\text{W}\sim 287^\circ\text{W}$ ではアウソニアタ雲。 $\omega=274^\circ\text{W}$ ではエリュシウム・モンスの雲が出ている。 $\iota=35^\circ$ で午後1時半ころ。7Mar($\lambda=042^\circ\text{Ls}$) $\omega=181^\circ\text{W}$ では午後1時間未満のオリュムプス・モンス雲が出ている。アルシアタ雲は縁際。9Mar($\lambda=043^\circ\text{Ls}$)は $\omega=164^\circ\text{W}\sim 173^\circ\text{W}$ 。 $\omega=169^\circ\text{W}$ では夕端にタルシス三山と正午直後のオリュムプス・モンスが出ている。19Mar($\lambda=047^\circ\text{Ls}$) $\omega=074^\circ\text{W}/082^\circ\text{W}$ ではマレ・アキダリウムが午後、淡いアルギュレ雲が見える。3Apr($\lambda=054^\circ\text{Ls}$) $\omega=299^\circ\text{W}\sim 311^\circ\text{W}$ では朝方の弱いヘッラス雲が出ている。7Apr、8Apr、9Apr、10Apr($\lambda=056^\circ\text{Ls}$)はそれぞれ $\omega=257^\circ\text{W}\sim 272^\circ\text{W}$ 、 $\omega=248^\circ\text{W}/255^\circ\text{W}$ 、 $\omega=237^\circ\text{W}/247^\circ\text{W}$ 、 $235^\circ\text{W}/241^\circ\text{W}$ で別項に述べたように $\phi=7^\circ\text{N}$ 邊りでウトピア領域が大きく移り北部が淡化しているように見える。Bでも北部は出ているので白雲に依る擾亂であるかも知れない。14Apr($\lambda=059^\circ\text{Ls}$) $\omega=201^\circ\text{W}/207^\circ\text{W}$ 、16Apr($\lambda=060^\circ\text{Ls}$) $\omega=180^\circ\text{W}/187^\circ\text{W}$ ではウトピア東部の淡化が見える。後者にはオリュムプス・モンス雲が出ている。17Apr($\lambda=060^\circ\text{Ls}$, $\iota=37^\circ$) $\omega=162^\circ\text{W}\sim 174^\circ\text{W}$ は重要な像で、タルシス三山、オリュムプス・モンスの雲だけでなくアルバにも出ている(アルバ・パテラの盛衰圖はCMO#319 page Ser2-0384参照)。特に $\omega=162^\circ\text{W}$ ではオリュムプス・モンスは正午前である事に注意する。22Apr($\lambda=062^\circ\text{Ls}$) $\omega=112^\circ\text{W}$ にはタルシス三山、オリュムプス・モンスが暗点である。アスクラエウス・モンスは正午より1時間半ほど前である。1May($\lambda=066^\circ\text{Ls}$) $\omega=041^\circ\text{W}$ 、2May($\lambda=067^\circ\text{Ls}$) $\omega=029^\circ\text{W}\sim 037^\circ\text{W}$ はマレ・アキダリウム南中、アラム等正常に明るい。北極冠は未だ大きい。7May($\lambda=069^\circ\text{Ls}$) $\omega=336^\circ\text{W}\sim 347^\circ\text{W}$ 、8May($\lambda=069^\circ\text{Ls}$) $\omega=331^\circ\text{W}/333^\circ\text{W}$ では夕方のヘッラスが淡い雲を被っている。21May($\lambda=075^\circ\text{Ls}$)の像は $\omega=316^\circ\text{W}/318^\circ\text{W}$ で撮られている。

♂.....Now ended is the Report of the 2007/2008 apparition. Many thanks for the contributors. This apparition was disappointing because any one were not always blessed with good skies in winter and the surface looked dirty because of devastation due to the great dust storm. At Fukui the final observation was made on 13 July ($\lambda=098^\circ\text{Ls}$, $\delta=4.3''$). Mn's rate in this apparition has been quite low and he just obtained no more than a total of 450 drawings, and it meant the least since 1982 (see #326_Ser2-0531). The fact that the planet rose too high up (maybe since 1960) was really annoying for the refractor users.

終わりに : 福井での観測は13July($\lambda=098^\circ\text{Ls}$, $\delta=4.3''$)に終えた。今期のMnの観測は450枚ほどにしか到達せず、2005年(688葉)より更に後退し、数の上からは1982年以來の少なさである(#326_Ser2-0531ページ参照)。2005年と同じく、冬季の天候が好轉しなかったことによるが、火星面の模様が霞んでいて観測し辛い事もあったと思う。加えてそれに屈折では火星の高度が1960年以來の高さであったことも響いた。もう一つは年齢の問題もあろう。観測報告者の皆様には長く有難うございました。

便り

Letters to the Editor

●.....Date: Tue, 24 June 2008 04:52:37 +0200
Subject: jupiter from 22.06.2008

Hi all, during the night 21/22. 6.08 I was able to capture Jupiter with IR-GB, Methanebandfilter and in UV-Light at the Observatory Zollern-Alb with the 80 cm Cassegrain-Telescope.

<http://www.sternwarte-zollern-alb.de/beobachtungen/methanband/index-gb-2.htm>
Did anyone capture the small hurricane at 194°West (II) in better quality? Cheers

Silvia KOWOLLIK

(シルヴァ・イア・コワ・ォリク Ludwigsburg 徳)

●.....Date: Tue, 24 June 2008 17:46:14 +0100
Subject: Sun Disk June 23

Hi, here is another mosaic of our sleepy star with the usual setup, the active region is fading now.

bw version

http://www.astrosurf.com/pcasquinha/sol_080623.jpg

colour version

http://www.astrosurf.com/pcasquinha/sol_080623_c.jpg

Paulo CASQUINHA (ハ・ウル・カスキニャ Portugal 葡)

●.....Date: Tue, 24 June 2008 18:34:05 +0100
Subject: Mars images (February 19th, 2008.)

Hi all, Some images from Feb 19th in good seeing. The apparent size finally dropped below 10".

http://www.damianpeach.com/mars07/m2008_02_19rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_19red_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_19grmbu_dp.jpg

○.....Date: Tue, 24 June 2008 18:34:05 +0100
Subject: Mars images (February 19th, 2008.)

Hi all, Some images from Feb 19th in good seeing. The apparent size finally dropped below 10".

http://www.damianpeach.com/mars07/m2008_02_19rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_19red_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_19grmbu_dp.jpg

○.....Date: Tue, 24 June 2008 21:53:23 +0100
Subject: Mars images (February 26th, 2008.)

Hi all, Here are some images from Feb 26th showing Syrtis Major.

http://www.damianpeach.com/mars07/m2008_02_26rgb_dp.jpg

○.....Date: Wed, 25 June 2008 19:46:49 +0100
Subject: Mars images (February 27th, 2008.)

Hi all, Some images in good seeing from Feb 27th. Lovely view of Syrtis Major visually. Note the Elysium orographic cloud.

http://www.damianpeach.com/mars07/m2008_02_27rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_27red_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_27green_dp.jpg

http://www.damianpeach.com/mars07/m2008_02_27blue_dp.jpg

○.....Date: Wed, 25 June 2008 22:38:42 +0100
Subject: Mars images (March 4th, 2008.)

Hi all, Some images from March 4th.

http://www.damianpeach.com/mars07/m2008_03_04rgb_dp.jpg

○.....Date: Wed, 2 July 2008 18:53:47 +0100
Subject: Re: LRS has been eaten and spat out!

Hi Mike (SALWAY), Images just in from Isao Miyazaki taken about 2hrs ago show the LRS seems to have been largely torn apart on the SW rim of the GRS. All that remains there is a greyish streak with just a hint of the orange colour left. I am sure John will be forthcoming with a more detailed analysis shortly!

Best Wishes

○.....Date: Wed, 2 July 2008 20:15:37 +0100
Subject: Mars images (March 7th, 2008.)

Hi all, Here are some images from March 7th. Note the bright Olympus orographic cloud.

http://www.damianpeach.com/mars07/m2008_03_07rgb_dp.jpg

○.....Date: Thu, 3 July 2008 19:05:33 +0100
Subject: Mars images (March 9th, 2008.)

Hi all. Here are some images from the 9th. Note the bright Tharsis orographics and weak cloud over Elysium.

http://www.damianpeach.com/mars07/m2008_03_09rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_03_09red_dp.jpg

http://www.damianpeach.com/mars07/m2008_03_09grmbu_dp.jpg

○.....Date: Fri, 4 July 2008 17:09:51 +0100
Subject: Mars images (March 19th, 2008.)

Hi all, Here are some images from March 19th. Note the cloudy tharsis area. Also Ascraeus/Pavonis Mons are quite prominent as dark spots.

http://www.damianpeach.com/mars07/m2008_03_19rgbred_dp.jpg

http://www.damianpeach.com/mars07/m2008_03_19grmbu_dp.jpg

○.....Date: Sat, 5 July 2008 01:03:07 +0100
Subject: Mars images (April 3rd, 2008.)

Hi all, Here are some images from April 3rd showing the Syrtis Major region of the Planet.

http://www.damianpeach.com/mars07/m2008_04_03rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_04_03bws_dp.jpg

○.....Date: Sat, 5 July 2008 22:10:26 +0100
Subject: Mars images (April 7th, 2008.)

Hi all, Here are some images from April 7th. The northern part of Syrtis Major looks a bit bluish...possibly the blue syrtis cloud...

http://www.damianpeach.com/mars07/m2008_04_07rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_04_07red_dp.jpg

http://www.damianpeach.com/mars07/m2008_04_07grmbu_dp.jpg

○.....Date: Sun, 6 July 2008 17:23:58 +0100
Subject: Mars images (April 8th, 2008.)

Hi all, Here are some images from April 8th. Blue Syrtis cloud again seen.

http://www.damianpeach.com/mars07/m2008_04_08rgb_dp.jpg

○.....Date: Sun, 6 July 2008 20:11:42 +0100
Subject: Mars images (April 9th, 2008.)

Hi all, Here are some images from April 9th.

http://www.damianpeach.com/mars07/m2008_04_09rgb_dp.jpg

○.....Date: Sun, 6 July 2008 23:52:21 +0100
Subject: Mars images (April 10th, 2008.)

Hi all, Here are some images from April 10th.

http://www.damianpeach.com/mars07/m2008_04_10rgb_dp.jpg

○.....Date: Mon, 7 July 2008 19:50:30 +0100
Subject: Mars images (April 14th, 2008.)

Hi all, Here are some images from April 14th.

http://www.damianpeach.com/mars07/m2008_04_14rgb_dp.jpg

○.....Date: Tue, 8 July 2008 01:39:04 +0100
Subject: Mars images (April 16th, 2008.)

Hi all, Here are some images from April 16th. Again note the bright Olympus orographic cloud.

http://www.damianpeach.com/mars07/m2008_04_16rgb_dp.jpg

○ ······ **Date: Thu, 10 July 2008 22:22:47 +0100**
Subject: Mars images (April 17th, 2008.)

Hi all, Here are some images from the 17th. Note the prominent orographics over Tharsis.

http://www.damianpeach.com/mars07/m2008_04_17rgbred_dp.jpg

http://www.damianpeach.com/mars07/m2008_04_17grmbu_dp.jpg

○ ······ **Date: Sat, 12 July 2008 21:35:33 +0100**
Subject: Mars images (April 22nd, 2008.)

Hi all, Here are some images from the 22nd. Note the tharsis volcanoes visible as dark spots.

http://www.damianpeach.com/mars07/m2008_04_22rgb_dp.jpg

○ ······ **Date: Sun, 13 July 2008 02:30:00 +0100**
Subject: Mars images (April 23rd, 2008.)

Hi all, Here are some images from April 23rd

http://www.damianpeach.com/mars07/m2008_04_23rgb_dp.jpg

○ ······ **Date: Sun, 13 July 2008 15:17:52 +0100**
Subject: Mars images (April 24th, 2008.)

Hi all, Here are some images from April 24th

http://www.damianpeach.com/mars07/m2008_04_24rgb_dp.jpg

○ ······ **Date: Sun, 13 July 2008 16:09:02 +0100**
Subject: Mars images (May 1st, 2008.)

Hi all, Here are some images from May 1st.

http://www.damianpeach.com/mars07/m2008_05_01rgb_dp.jpg

○ ······ **Date: Mon, 14 July 2008 00:32:51 +0100**
Subject: Mars images (May 2nd, 2008.)

Hi all, Here are some images from May 2nd.

http://www.damianpeach.com/mars07/m2008_05_02rgb_dp.jpg

http://www.damianpeach.com/mars07/m2008_05_02bw_dp.jpg

○ ······ **Date: Mon, 14 July 2008 15:52:12 +0100**
Subject: Mars images (May 6th, 2008.)

Hi all, Some images from May 6th. Only red images due to clouds....

http://www.damianpeach.com/mars07/m2008_05_06red_dp.jpg

○ ······ **Date: Tue, 15 July 2008 23:53:29 +0100**
Subject: Mars images (May 7th, 2008.)

Hi all, Here are some images from May 7th.

http://www.damianpeach.com/mars07/m2008_05_07rgbred_dp.jpg

http://www.damianpeach.com/mars07/m2008_05_07grmbu_dp.jpg

○ ······ **Date: Wed, 16 July 2008 21:38:04 +0100**
Subject: Mars images (May 8th, 2008.)

Hi all, Here are some images from May 8th.

http://www.damianpeach.com/mars07/m2008_05_08rgb_dp.jpg

○ ······ **Date: Tue, 22 Jul 2008 20:56:57 +0100**
Subject: Mars images (May 21st, 2008.)

Hi all, Here are some images from May 21st.

http://www.damianpeach.com/mars07/m2008_05_21rgb_dp.jpg

Best Wishes

Damian PEACH (デミアン・ピーチ Bkh 英)

● ······ **Date: Tue, 24 June 2008 21:29:45 +0100**
Subject: large 0999

Hi guys. Active Region 0999 was still photogenic today. This is a montage covering nearly 4 x the field of the chip. TMB 80mm at f45, Daystar ATM .6A Lumenera 075M. Best wishes.

ps: must be viewed at 100% size; 1116 x 810pix otherwise my work was wasted!

○ ······ **Date: Fri, 27 June 2008 16:34:28 +0100**
Subject: solar activity 25th June 08

Hi Guys, a few images, recording some of the days activities. Having been sending live stuff over skype

with the toucam, I gave it a try on the prominence one exposure for the prominence/chromosphere edge, and one for the surface. Best wishes

○ ······ **Date: Tue, 1 July 2008 11:19:27 +0100**
Subject: Jupiter in small scope

Hi Guys. I was drift aligning, using my solar scope, Jupiter came up, I imaged it whilst checking the tracking, after dropping a 5x powermate to 2x Scope was a Vixen ED 150mm f9. Best wishes

○ ······ **Date: Wed, 2 July 2008 13:37:04 +0100**
Subject: solar prom 30th June

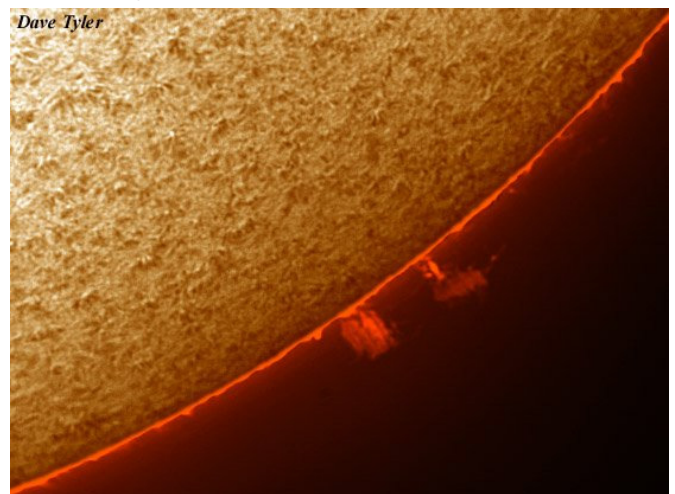
Hi Guys, Here are a couple of proms from the 30th. The 08:7 ut prom was very bright, enabling my setup to capture the chromosphere "edge" at the same time as the prominence. The 0818 ut, was very faint. both 4.5 OG @ f24, Daystar ATM..6A. Best wishes

○ ······ **Date: Thu, 3 July 2008 10:24:26 +0100**
Subject: solar images 1 July

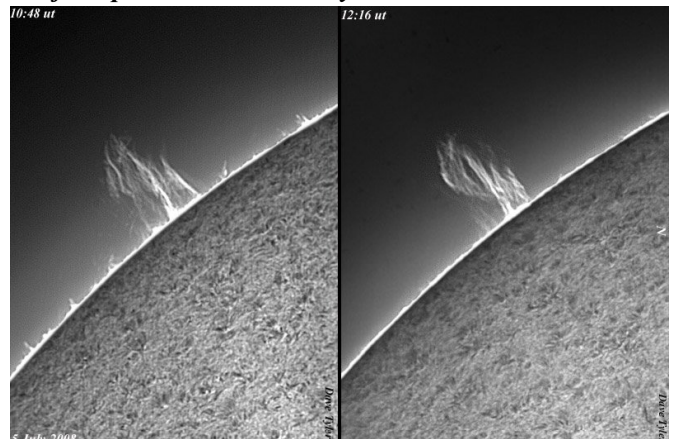
Hi Guys, here are a few small proms as seen on the 1 July. The wider field pair (note limb is smaller radius of curvature), was taken with my 80mm at f30. The other two were taken on a higher mag with my 150mm vixen at f36. Seeing? Variable poor. best wishes

○ ······ **Date: Fri, 4 July 2008 23:17:18 +0100**
Subject: solar Proms 3rd and 4th July 2008

Hi Guys, Here are two images from the 3rd taken on low and higher mag, and one mono from the 4th. The mono is of a very faint prominence, hence plenty of glow on the image. Best wishes



○ ······ **Date: Sun, 6 July 2008 20:00:57 +0100**
Subject: prominence 5th July



Hi Guys, The prominence from the 4th was still there,

but looking a little different of course. Seeing was quite good. between cloud banks. These were taken with the scope stopped to 4.5 inches at an effective focal length of 108 inches. Daystar H α filter and Lumemera 075 ccd camera. Best wishes.

○.....Date: **Thu, 10 July 2008 18:32:08 +0100**
Subject: **SOLAR 8th July**

Hi Guys, here are a couple of proms from a quiet Sun. The 10oc pos angle one was taken at $f30$ on my 80mm scope, and the 8oc pa one was at $f45$. seeing was rather unfortunate. best wishes

○.....Date: **Sat, 12 July 2008 13:14:53 +0100**
Subject: **Solar images 11th July**

Hi Guys, still pretty quite up there, but still pretty. Here are the largest proms I could find. Seeing poor scope 80mm TMB with Daystar ATM .6A Ha filter wide shot $f30$ and the 2 closer $f45$. Best wishes

○.....Date: **Sun, 13 July 2008 20:16:12 +0100**
Subject: **this morning Sun**

Hi Guys, The sun gave us a fine prominence today , this is an 8:30 am shot, in fair seeing. 80mm $f45$.

○.....Date: **Wed, 16 July 2008 21:56:47 +0100**
Subject: **solar images 14 July 2008**

Hi Guys, Here are a couple of prom from the 14th. The larger one is the substantial remains of the prom shown on the 13th. 80mm $f7.5$ at $f45$ Daystar ATM .6A.

○.....Date: **Wed, 16 July 2008 22:03:56 +0100**
Subject: **solar images 15 July 2008**

Hi Guys. Here are a trio of small prominences from the 15th. best wishes

○.....Date: **Thu, 17 July 2008 12:18:54 +0100**
Subject: **solar images 16th July 2008**

Hi Guys. Here are some of the proms visible on the 16th. The larger component of image 09:46 ut was very faint. Its raining today, so tomorrow you will have a day free from dt solar images. best wishes

○.....Date: **Tue, 22 Jul 2008 21:28:07 +0100**
Subject: **Active Region 1000**

Hi Guys, here is a four frame montage of AR1000 , so as to take in the large filament too. Colour, Mono? I can never make up my mind. 80mm TMB at $f30$ Daystar ATM .6A. Seeing ,,,, enough decent frames. EDF!
View full screen for best resolution. Best wishes

Dave TYLER (テヴァイト・タイラー Bkh 英)

●.....Date: **Wed, 25 June 2008 23:04:28 +0900**
Subject: **こちらも拝受いたしました**

宮崎様、こちらも本日DVD無事届きました。有難うございます。仙台もちよっと遠かったですね。さっそく使わせていただきたいと思います。

○.....Date: **Sun, 29 June 2008 19:49:50 +0900**
Subject: **スケッチありがとうございます**

南様、スケッチをお送りくださいますありがとうございます。早速使わせていただきます。

先般お送りいただいた宮崎様の画像処理の資料も大変丁寧で良くわかりました。フェアな態度に志の高さを感じられます。すぐにでも発表のファイルにしてお目にかけていたいところなのですが、出張前は、発表の準備以前に、大学を一週間空けるための準備に追われている有様で、いまだそこまで進んでおりません(本末転倒ですが、...)。

オーストラリアの観測者が太陽を観測されていた由、無理からぬことで、このような大フレアの際は所謂プロの観測も太陽の観測に集中したはず。この時期に太陽ではなく火星に目を向けられるところが火星観測を愛好された皆様のすごいところで、プロではできなかった観測をなされたものと感じ入っている次第です。まずはとりいそぎお礼まで

○.....Date: **Sun, 06 July 2008 21:56:22 +0900**
Subject: **COSPAR会議発表用資料**

南様、CC:宮崎様、お世話になっております。東北工業大学の中川朋子です。ご提供いただきました画像及び情報をもとに、来週7月13日からのCOSPAR会議での"*A protrusion from the terminator of the Mars observed on November 4, 2003*"の発表用資料を作成いたしました。pdfの形式にしてお送りいたしますので、もしも不適切な個所がありましたらどうぞお知らせ下さい。

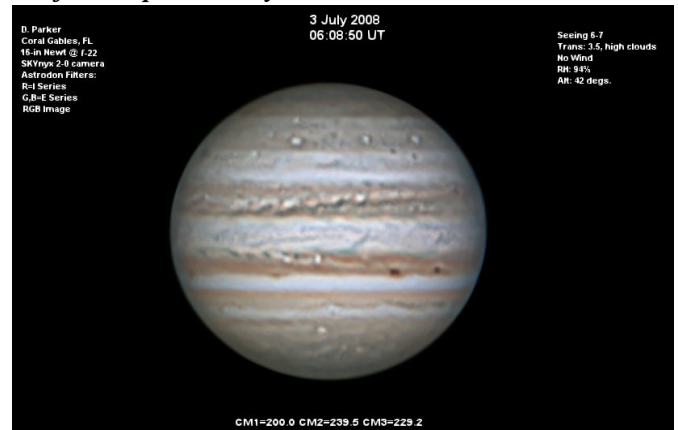
発表はAppendixの前までで、問い合わせがあった場合のみそれ以降のページを使用する予定です(そのため日本語のままになっています)。

中川 朋子 (Tomoko NAKAGAWA 東北工大 Miyagi)

●.....Date: **Wed, 25 June 2008 03:35:19 +0000**
Subject: **Jupiter 23 June**

Hi All, I have attached an rgb and a methane band image of Jupiter. Ganymede is in transit and is partially obscuring its shadow. Best,

○.....Date: **Tue, 08 July 2008 21:40:44 +0000**
Subject: **Jupiter 3 July**



Hi All, I have attached some Jupiter images from 3 July -- rgb, CH4, and UV. Best,

Don PARKER (ドン・パーカー Miami FL 美)

●.....Date: **Wed, 25 June 2008 09:43:19 -0400**
Subject: **Re: Jupiter 23 June**

Great images Don! But I thought only at opposition when the satellites obscuring their own shadow as seen from earth. We are still two weeks away from that yet.

Frank MELILLO (フランク・メリッロ Holtsville NY 美)

●.....Date: **Wed, 25 June 2008 16:30:56 +0100**
Subject: **RE: Jupiter 23 June**

Hi Don, Thanks for the great images. As Frank pointed out, Ganymede isn't yet obscuring its shadow -- the

irregular appearance results from surface markings, modulated by the processing. The very dark spot in the Np. quadrant is Galileo Regio, Ganymede's largest dark area.

Best regards,

John ROGERS (ジョン・ロジャース Cambridge 英)

●.....Date: Wed, 25 June 2008 10:16:46 +0200
Subject: Mars 23./24. June 2008 M.cimmerium/Elysium
Dear Masatsugu, images from 23. and 24 June 2008.

With best wishes

Camera: DMK 21AF04 + Baader IR-Pass-Filter (>685nm)

Telescope: 12,5" Newton

○.....Date: **Fri, 4 July 2008 10:35:15 +0200**
Subject: **Mars 29.6./1.7. 2008**

Dear Masatsugu, last images from 29. June and 1. July.
With best wishes

Ralf DERSTHEIMER (ラルフ・ゲルシュトハイマー
Habichtswald 徳)

●.....Date: **Thu, 26 June 2008 17:31:37 +0100**
Subject: **NLC display, June 26th**

Hi all, Some nice NLC's seen this morning. It's not strictly solar so I'll just keep them as links...

http://www.digitalsky.org.uk/atmospheric/2008-06-26_NLC_IMG_2475_1024.jpg

http://www.digitalsky.org.uk/atmospheric/2008-06-26_NLC_IMG_2495_1024.jpg

http://www.digitalsky.org.uk/atmospheric/2008-06-26_NLC_IMG_2587_800.jpg

http://www.digitalsky.org.uk/atmospheric/2008-06-26_NLC_IMG_2542_1024.jpg

○.....Date: Sat, 12 July 2008 11:02:54 +0100

Subject: Solar catchup

Hi all, Here are a few solar shots from the 1st July to current.

July 01

http://www.digitalsky.org.uk/solar/2008/2008-07-01_12-55-40_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-01_12-57-43_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-01_12-59-11_SVF70ss.jpg

July 03

http://www.digitalsky.org.uk/solar/2008/2008-07-03_08-20-10_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-03_08-21-19_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-03_08-24-17_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-03_12-55-38_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-03_12-57-45_SVF70ss.jpg

July 04

http://www.digitalsky.org.uk/solar/2008/2008-07-04_11-17-46_SVF70ss.jpg

July 05

http://www.digitalsky.org.uk/solar/2008/2008-07-05_13-13-14_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-05_13-13-34_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-05_13-15-06_SVF70ss.jpg

July 07

http://www.digitalsky.org.uk/solar/2008/2008-07-07_12-54-16_SVF70ss.jpg

July 08

http://www.digitalsky.org.uk/solar/2008/2008-07-08_13-37-34_SVF70ss.jpg

July 11

http://www.digitalsky.org.uk/solar/2008/2008-07-11_06-54-57_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-11_07-03-52_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-11_07-52-11_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-11_08-23-29_SVF70ss.jpg

http://www.digitalsky.org.uk/solar/2008/2008-07-11_12-22-00_SVF70ss.jpg

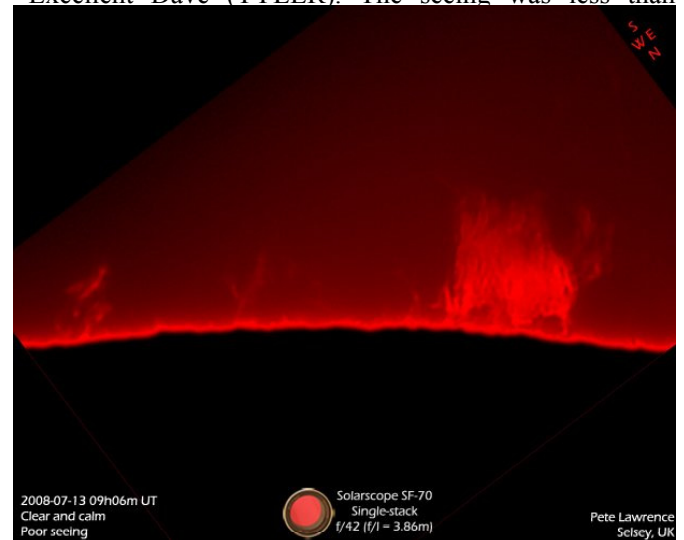
July 12

http://www.digitalsky.org.uk/solar/2008/2008-07-12_08-47-08_SVF70ss.jpg

○.....Date: **Sun, 13 July 2008 20:50:04 +0100**

Subject: **Re: this morning Sun**

Excellent Dave (TYLER). The seeing was less than



kind here this morning despite excellent clarity and no wind for a change. Attached is my take on the prom plus a short lived polar spike. I also compiled an animation of the main prom using frames gathered at 30s intervals.

The animation can be seen here:

http://www.digitalsky.org.uk/solar/2008/2008-07-13_anim2.gif

○.....Date: **Tue, 22 Jul 2008 00:08:33 +0100**

Subject: **Solar spike on the 21st July**

Hi all, Here's a very peculiar feature imaged on the 21st of July. A tall spike prominence, caught some distance from the north-western limb.

The link below takes you to a sequence of images showing some fast developing changes in AR11000 today. Seeing was generally rather poor unfortunately.

http://www.digitalsky.org.uk/solar/2008/2008-07-21_08-29-51_SVF70ss.jpg

Best regards,

Pete LAWRENCE (ピート・ローレンス Selsey 英)

●.....Date: **Thu, 26 June 2008 17:50:37 +0900**
Subject: **C14 破損 (C14 broken because of a Typhoon)**

今回の台風、直撃でまた、望遠鏡が壊れました。再起不能状態です。屋上の最も風の来ない場所に移動し、しっかり風対策をしたのですが、それ以上に風が強くて、耐え切れず倒れてしまったようです。防ぎ様が無い想像以上の風でした。

ご心配かけましたが、今は心のダメージは回復しました。次のステップを模索中です。具体的なもの分かりましたらこれからです。8月のお盆休みに戻りますのでセブに行く時は持参出来ればとの思いです。C14ではないようです。

○.....Date: **Fri, 27 June 2008 15:11:20 +0900**

Subject: **Re:RE:C14 破損**

南様、メールありがとうございます。今回ののはあの屋上では防ぎようが無い風でした。筒を降ろすことが出来ないの仕方なかったのですが、ダメージが大きかったです。修理不能となりました。しかしながら、ここで諦めません。8月戻る時に新望遠鏡となるでしょう。

阿久津 富夫(Tomio AKUTSU セブThe Philippines)

●.....Date: Thu, 26 June 2008 23:08:42 +0100
Subject: Jupiter 2008 June 23

Prominent dark plumes in the EqZ and turbulence in SEB. Both Europa and its shadow in transit. The difference in sharpness can be seen between a R-IR image (top left) and a pure IR one (lower left).

Unfortunately my C-14's aperture does not get totally clear of the observatory wall until well after culmination, nor will it this apparition.

<http://www.davidarditti.co.uk/jup2008-06-23-DLA.jpg>

○.....Date: Fri, 27 June 2008 01:25:16 +0100
Subject: Jupiter 2008 June 24

A surprisingly good result considering the very bad, ripply seeing visible in the videos. False colour with synthesised G again. GRS and Oval BA just dis- appearing. <http://www.davidarditti.co.uk/jup2008-06-24-DLA.jpg>

○.....Date: Fri, 27 June 2008 22:46:34 +0100
Subject: Jupiter 2008 June 26

By staying up later than Damian I got a view of the GRS transiting, with BA and the "tiny red oval" (STrD remnant) making a close constellation. The dark material on the leading edge of BA looks to be being generated by BA's action of overtaking the GRS. I think we have

TEN YEARS AGO (155)

-----CMO #205 (25 July 1998) pp2295-2306 -----

巻頭の1996/97 Mars Sketch その(7)は、1997年接近の衝のころ($\lambda=090^\circ\text{Ls}$)、日本から観測されたエリュシウムが午後に白く明るく輝いて観測された現象を採り上げて「1997年三月のエリュシウム」"Elysium in March 1997" にまとめている。北半球の夏の頃、北極冠の融解に伴い放出される水蒸気の南下により起こる山岳雲の振る舞いとして解釈している。表紙には伊舎堂弘(Id)氏のスケッチが出ている。全文を以下のURLでご覧いただける。

<http://homepage2.nifty.com/~cmo/97Note07.htm>

LtEは、Samuel WHITBY (USA)、Richard McKIM (UK)、岩崎徹(Iw、北九州)、森田行雄(Mo、広島)、Gianni QUARRA (Italy)、Francis OGER (France)、Michael MATTEI (USA)、比嘉保信(Hg、沖縄)の各氏から寄せられている。Hg氏からは1997年の火星と木星のビデオテープを、海外の希望者に無料で頒布するとのアナウンスがあった。

CMO CLICKS (14) は、QUARRA(GQr)氏の所属する San Gersolè Planetary Group (SGPG) のホームページ

http://www.chim1.unifi.it/group/education/caat/spgg/spgg_e.htm

の紹介で、1998年のCMO惑星観測者会議の事が出ている。しかし、この頁は十年来更新がないのではないかと思う。

そのほかLtE後記として、前号と今号のLtEの注釈がある。西田(Ns)氏のご長男誕生(今年十歳ですね)やNs氏のプラネタリウム関係の仕事、森田(Mo)氏の来福予定、翻訳ソフトのことなどが記されている。

藤沢便りも巻末で紹介されている：七月18、19日には筆者は東京でNs氏と会って、杉並と葛飾のプラネタリウムを訪れている。Ns氏は十年経ってまたプラネタリウムに戻っている。

TYA(35)は、20年前のCMO#055(10July1988)とCMO#056(25July1988)からで、九月を目指して接近を続ける火星の様子とLtEが内容である。七月中旬には $\lambda=235^\circ\text{Ls}$ 、視直径も15秒角に達して充分な大きさになっていた。七月上旬には沖縄で梅雨明け観測報告も増え、南氏は既に梅雨の明けた臺北で観測数を伸ばしていた。パーカー氏から情報のあったノアキス黄雲は、東洋からの視野に入ってきたこの時期には収束していたが、影響としてマレ・セルペンティスの濃化とアルギュレの明るさが観測された。ヘッラスも塵雲で明るかったが、六月下旬には沈静化した。南極冠は溶解が進み内部に陰りが認められるようになっていた。

村上 昌己(MK)

ISSN 0917-7388

COMMUNICATIONS IN 東亞天文學會『火星通信』since 1986

MARS

No. **205**
25 July 1998

OBSERVATIONS Published by the OAA Mars Section

★1996/97 Mars Sketch (7)

1997年三月のエリュシウム
Elysium in March 1997

▽CMO#187p203(英文p203)で述べたように、1997年三月上旬末(090°Ls)に日本からエリュシウムが火星の午後面において白色に輝くのが見られた。これは明らかに水蒸気による白雲であった。エリュシウムは高地であるから、その理由には2011のSketch (3)で分析したことが立てる。後で述べるように二月上旬(075°Ls)にも日本からはこの通りが観測されたが、白色のコアはそれ程強くなかったので、三月の様子は極めて新鮮であった。▽比嘉保信(Hg)氏のVideotape収録にも、9Mar、10 Mar、11Marの前後があり、午後のエリュシウムの一部が強く輝いているのが見られる。10Mar $\omega=218^\circ\text{W}$ では、ヘッラスよりエリュシウム・モンズが面積は小さいながら強く白く、これに対して15Marには朝方のエリュシウムを捉えているが、明るいものの程度は白くない。

▽10Marには伊舎堂弘(Id)氏が午後エリュシウムを長時間追って見事である。それを列挙すると

14-076D	10 Mar (089°Ls)	$\omega=231^\circ\text{W}$
14-077D		$\omega=241^\circ\text{W}$
14-078D		$\omega=250^\circ\text{W}$
14-079D		$\omega=260^\circ\text{W}$
14-080D		$\omega=270^\circ\text{W}$
14-081D		$\omega=280^\circ\text{W}$
14-082D		$\omega=289^\circ\text{W}$
14-083D		$\omega=302^\circ\text{W}$

と13:20GMTから18:10GMTまで四分毎に観測している。エリュシウムは最初から明確であるが、特に14-079D頃から顕著になる。14-082Dで夕焼けが消えかかってくる。14-083Dでは殆ど隠れている。Id氏には9Marにも $\omega=300^\circ\text{W}$ の観察があるが、同じ。10Marの ω は07°で、14-080Dでエリュシウムは午後4時頃である。尚、Id氏のエリュシウムはエリュシウム・モンズに限られているようで、ケルベルスが弱い所もあるが、中央寄りの時は大域的構造を先ず掴まえて欲しい。

▽福井での中島孝(Nj)氏と筆者(Ma)の7Marから11Marまでの観測の表は英文の部に纏めるが、エリュシウムは5Mar(085°Ls)にエリュシウムの午後を最初から連続観測している(Maは試測)。 $\omega=244^\circ\text{W}$ で、極めて目立つ白雲を呈した様だ。9Mar(088°



ISHADOH's drawing (Id-080D)
on 10 Mar 1997 (089°Ls) at $\omega=270^\circ\text{W}$ showing
a very whitish bright cloud at Elysium Mons

2 2 9 5

seen this before, last apparition.

I have modified the palette of my IR(synth G)B images to make them slightly less green than they were before. One gets a bluish edge to the GRS in this presentation, the edge being dark in IR.

Perhaps see some of you at the BAA exhibition meeting tomorrow.

<http://www.davidarditti.co.uk/jup2008-06-26-DLA.jpg>

○ **Date: Wed, 2 July 2008 03:20:06 +0100**
Subject: Comet 6P/d'Arrest

I thought this comet would be reasonably easy, since it is mentioned in "Sky at Night" magazine as varying from mag. 12 to 10 over July, but in fact it is astonishingly faint, if I have got the correct object, which I think I have, as it is right on predicted position.

I can't easily estimate the magnitude as it is below the limit of TheSky6, mag.16. I compared the view with the Digitised Palomar Sky Survey, which goes down to 19, and it is comparable with faint stars in that, so it seems to be about mag. 18. These were taken with a CLS filter, but the unfiltered image was similar, but noisier.

http://www.davidarditti.co.uk/6P_20080630_ard.jpg

○ **Date: Fri, 4 July 2008 22:53:29 +0100**
Subject: Jupiter 2008 July 01

Seeing was not all that could be desired on this auspicious night, when the little red spot got sucked round the GRS, it would appear, and it was also my birthday, incidentally,

The spot is not clearly visible here, which is a pity. The "ribs" in the STB, however, were visible even during capture. Io is in transit.

<http://www.davidarditti.co.uk/jup2008-07-01-DLA.jpg>

David ARDITTI (デヴィッド・アーデイチ Edgware ME 英)

● **Date: Sun, 29 June 2008 15:23:53 -0500**
Subject: astronomical society of the pacific tour

Dear Masatsugu, I hope you are well, and many thanks for the interesting comments about Antoniadi and impressionism. I have continued to immerse myself in studies of Galileo, and have delighted to find his ink wash drawings of the Moon--which I personally believe were created en plein air, despite the authorities' differing opinions--compared to Constable, Turner, and Monet!

I am writing to mention that 1) I am nearly finished setting up my observatory for CCD imaging of the planets and 2) I have been asked, by members of the Astronomical Society of the Pacific who followed me this past April to Rome and Florence, whether they would be able to participate (in attendance only) in any of the events of our Mars Colloquium. Also, what are your thoughts about timing?

I would like to do some traveling--possibly with this ASP group--to sites associated with astronomy in France in addition to our meeting. Among sites I should like to visit are the Paris Observatory, Juvisy, possibly St.-Lo (birthplace of Le Verrier and associated with both himself and the young Laplace), possibly Orgeres (where Lescaubault observed "Vulcan"), possibly Lascaux II (Perigord) which is a site associated with the art of the

Upper Paleolithic. I would also like possibly to visit some scenes associated with the Impressionists.

Have you started to work on a specific schedule of events for the Mars Colloquium--tours, etc.--and what has been determined as to accomodation? What days will you actually be in France? I would very much like to spend as much time together as may be possible.

Best wishes,

Bill SHEEHAN (ウイリアム・シーハン MN 美)

● **Date: Sun, 29 June 2008 20:45:11 +0200**
Subject: Re: How are you?

Dear Masatsugu, I'm very fine. Lately my observing rythm has been quite slowed because of priorities changes in my life (all positive), and this is the way it should go on now. None the less, I'm not planning to abandon astronomy! I must say that my reduced presence at home combined to a relative unfavorable weather rate since january have successfully fought my desires to observe...

Since march 2008 I'm the new President of the **commission des observations planétaires** (Daniel let me the charge). We have reorganized our commission in the following way :

Jupiter section: Marc Rieugnié is still the coordinator

Saturn section: this one is new and Marc Delcroix is the new coordinator

Mars section: still me,

Venus section: this one is also formally new and I am the coordinator

Other planets: this is the last new section covering the rest and Marc Delcroix is coordinator.

Considering the relative low planet activity during the coming monthes, I should concentrate on writing the 2007 Mars report...

Yes we should begin to talk about the Meudon conference, although I have not been involved in that either :-//

I have receveid on saturday two Mars reports from you. I will read it during holidays in july. Many thanks !

Best wishes,

○ **Date: Wed, 02 July 2008 20:00:23 +0200**
Subject: Jupiter, 1st july 2008

Hi all, Here are just a few images of Jupiter. Seeing was very good for the altitude at first but "as expected" became poor when all the setting was ready :-))

<http://www.astrosurf.com/pellier/J080701-CPE>

Regards,

Christophe PELLIER (クリストフ・ペリエ nr Paris 法)

● **Date: Tue, 1 July 2008 21:21:33 +0100**
Subject: Mars 30th June 2008

Dear All, Mars again (must be one of the last for this year!) Once again, poor seeing, with direct sun beating down on the observatory! But an impression of some features nonetheless. All the best

○ **Date: Thu, 10 July 2008 21:46:31 +0100**
Subject: RE: Mars 10th July 2008

Dear All, There was a lot of cloud tonight, but a gap appeared for a few minutes, allowing one further run.

The seeing was quite poor. Minutes after this, Mars was 'in the trees' ! All the best

Simon KIDD (サイモン・キッド Herts 英)

●.....**Date: Wed, 2 July 2008 18:03:12 +0200**

Subject: Update on IWC MO (Mars Workshop at Meudon, Sept. 2009)

Dear all, As I was informed on some e-mail exchange between B. Sheehan and Pr. Dollfus and also our outreach responsible, I think it is time to provide some update on this upcoming workshop.

First I suggest and have solicited the participation of **Thierry Fouchet** and **Gilles Dawidowicz** to our SOC. Thierry is an astronomer from the observatory with lots of expertise on the modern science on Mars (involved in the space missions to Mars) and he will certainly let us know who we should contact for interesting talks,... Gilles, on the other hand, has plenty of experience with outreach around space missions to Mars (he lately managed to gather hundreds of people until 4 a.m. for the Phoenix landing!) and has contacts with the Mars Society.

As I said earlier, I made a preliminary web page at:

<http://wwwusr2.obspm.fr/~biver/IWC MO/>

and we should now work on the scientific program, thinking of topics and related speakers (who to contact). Then we should send around a first announcement to get amateurs and professional interests in participating to the Workshop. Since it received the label from "AMA 2009", i.e. support from the french part of the International Year of Astronomy 2009, it is going to be advertised around (no financial support (yet) for the time being).

We are also going to work on the local organisation. The initial plan was to hold the sessions at Meudon observatory, with at least one evening at Paris Observatory either or both for a reception, visit (with observation in the old 38cm refractor weather permitting). We were also thinking of going (Sunday afternoon?) to Juvisy observatory, the SAF "observatory" where Camille Flammarion also observed Mars,...

At some point we were also thinking about sessions at Paris Observatory. The question behind this is transportation: We will have to hire a coach from Paris or Meudon to Juvisy, and for possible transportation from/to Paris or Meudon and Hotel if participants wish to stay at an Hotel not far from Meudon (no very convenient public transportations in Meudon). On this point, your opinion/wishes - especially from those coming abroad and not very familiar with Paris region - can help us to find the best choice of logistics. Sincerely,

Nicolas BIVER (ニコラ・ビヴァー Meudon 法)

Secrétaire Général de l'IWC MO

Nicolas.Biver_at_obsmp.fr

(註) BIVER (NBv)'s update announcement in March of the IWC MO (International Workshop on "One Century of Mars Observations") includes the following information:

Topics to be discussed during the meeting:

- Historical observations of Mars
- Mars dust Storms
- Amateur observations of Mars
- Latest news from space missions to Mars
- What can amateurs bring to the survey of Mars in the 21st

century?

• *Imaging techniques and the various ground based studies of Mars*

• *Reports from national Mars sections*

Registration, Hotel and Dinners reservation:

Registration fee is expected to be around 70 Euros per participant
Covering: Friday, Saturday and Sunday lunches, Friday dinner
Reception + Bus transportation, Coffee breaks and welcoming package.

Potential participants listed at present : *Nicolas Biver, Daniel Crussaire, Gilles Dawidowicz, Audouin Dollfus, Thierry Fouchet, Maria Lane, Richard McKim, Masatsugu Minami, Francis Oger, Don Parker, Christophe Pellier, Bill Sheehan, Florent Kintz,...* (tbc)

Location: Meudon and Paris Observatories

Instructions to get to the Meudon observatory

<http://www.obspm.fr/admin/visites/acces-meudon.en.shtml>

Paris region MAP and meeting/Hotel locations

<http://wwwusr2.obspm.fr/~biver/IWC AIII/planiwca2small.jpg>

Contact: Nicolas Biver

E-mail: nicolas biver at obsmp fr

Phone: (33) 1 45 07 78 09

As to Objectives and budget of the meeting as submitted for the IYA 2009 support (PDF, in french:

<http://wwwusr2.obspm.fr/~biver/IWC MO/iwc mo.pdf>) (Ed)

●.....**Date: Thu, 3 July 2008 03:11:57 +1000**

Subject: LRS has been eaten and spat out!

Hi all, It appears the LRS has been squeezed and spat out to the East side of the GRS/Oval BA. Anthony and I were watching the live data and couldn't see it at all, although the seeing and resolution was poor so it was hard to tell. I quickly processed up some of the data in such a way to try and reveal the LRS, and it seems it's been spat out the other side and can be seen as the streak in front of the GRS. Or maybe it's directly in line with Oval BA?

Unfortunately the resolution is too poor to definitely tell, but it has definitely gone somewhere! Hope others get higher resolution images to confirm.

<http://www.iceinspace.com.au/mygallery/displayimage.php?pos=-727>

○.....**Date: Mon, 7 July 2008 06:56:53 +1000**

Subject: Moon, Regulus, Mars and Saturn - straight line conjunction

Hi all, A cloudy afternoon finally cleared after sunset to reveal the beautiful straight line conjunction of the crescent moon, regulus, Mars and Saturn. They made a very nice sight in the West - although for some passers by the beauty still alluded them as they asked "What are you photographing?". I almost missed it - I had a set time agenda (had to be home by 6:30pm) and the thick cloud was the slowest moving cloud i'd had the misfortune to be waiting to move. It finally revealed the conjunction at about 6:10pm - giving me 10 minutes to photograph it and 10 minutes to get home :) Canon 350D, sigma 17-70mm lens @ 17mm. ISO400, 5-10s exposures. They're also uploaded to my gallery:

<http://www.iceinspace.com.au/mygallery/thumbnails.php?album=16>

○.....**Date: Wed, 9 July 2008 13:37:34 +1000**

Subject: Jupiter + GRS - 08/07/2008 1233 UT

Hi all, The skies cleared after a cloudy day in time to get the GRS transit last night. I was hoping to image at the same time as Hubble - I may have been an hour late. Unfortunately the seeing was terrible, so the resolution is too poor to tell much about what happened to the LRS. Anyway, hoping for better in the next few days.

<http://www.iceinspace.com.au/mygallery/displayimage.php?pos=-733>

○.....**Date: Mon, 14 July 2008 13:22:30 +1000**
Subject: Mars and Saturn - close conjunction 11th July

Hi all, After the straight line conjunction from earlier in the week, Mars and Saturn came together for a close pairing on the 10th and 11th July, separated by only ~40 arcminutes. This image was captured from outside Iguana Joe's nightclub restaurant on the 11th July. 350D + Sigma 17-70mm lens, 2.5s exposure @ ISO400, 21mm focal length. Thanks for looking.

○.....**Date: Thu, 17 July 2008 09:08:36 +1000**
Subject: Jupiter in good seeing - 16/07/2008

Hi all, Here's the first processed image from a session last night in variable seeing, but with a couple of very steady moments. This image is from one of those good moments. I'm not sure the rest will be as good, but at least I got one. Unfortunately the GRS has already finished transiting a few hours before (always the way). The seeing started deteriorating at around 12:15am local time when the temperature dropped 2deg in 10 minutes. I could've turned my active cooling back on, but Jupiter would've gone behind a tree in 30 minutes anyway so I called it a night. 12" newt on EQ6, DMK21AU04 + 5x powermate.

<http://www.iceinspace.com.au/mygallery/displayimage.php?pos=-737>

○.....**Date: Tue, 22 Jul 2008 05:03:57 +1000**
Subject: More Jupiter from the 16/07 with the SEB outbreak

Hi all, Here's the final couple of images from the 16/07, to go along with the one sent out last week. The first one shows the SEB outbreak very well defined. The second image is from only 11 minutes before the image from last week - there are many fine spots resolved on the edge of the NTBn, and the large white spot (is it the old WSZ?) is at the CM on the NEBn. 12" newt, 5x powermate, DMK21AU04. Links:

<http://www.iceinspace.com.au/mygallery/displayimage.php?pos=-738>

<http://www.iceinspace.com.au/mygallery/displayimage.php?pos=-739>

Thanks for looking.

Mike SALWAY (マイク・ソルウェ NSW 澳)

●.....**Date: Thu, 03 July 2008 14:19:48 +0900**
Subject: 『火星通信』 #347 拝受

南 様：本日午前、『火星通信』 #347拝受いたしました。いつもありがとうございます。

○.....**Date: Mon, 14 July 2008 00:39:46 +0900**
Subject: ありがとうございます

南 様：先日はわざわざ小松空港までおいでいただき、ありがとうございました。久しぶりに(2004年のシーハン氏の時以来でしょうか)、ゆっくりお話しする時間を持つことができ、楽しく過ごさせていただきました。...

一本氏にはWebサーバーの件、頼んでおきました。やはり彼の一存では決められないらしく、URLを教えて検討してもらうことになりました。... 以上お礼まで。

○.....**Date: Sun, 20 July 2008 19:59:44 +0900**
Subject: [Fwd: Re: 火星通信ホームページ]

南 様：一本氏から以下のようなメールをもらいました。というわけで、暫くお待ちください。

>Date: Sun, 20 July 2008 17:16:07 +0900

>From: Kiyoshi Ichimoto To: 浅田 正

>Subject: Re: 『火星通信』 ホームページ

>>浅田 様、この件について柴田さん、web担当者と話
>をし、共に肯定的な反応をもらっていますが、教員
>会議で決めることになりました。次回が8月終わり
>頃なのでしばらくお待ちください。>一本

>At 06:35 08/07/14, you wrote:

>>一本 様：先日は、わざわざ金沢までお越し

>>いただきありがとうございます。

>>久しぶりにお酒を酌み交わすことができ、楽しい

>>夜でした。

>>『火星通信』のホームページです。

>><http://homepage2.nifty.com/~cmo/hp.htm>

>>あるいは

>>http://www.mars.dti.ne.jp/~cmo/oa_mars.html

>>をご覧ください。英語の記事もあり、レベルの高い

>>ものです。よろしくご検討ください。>>浅田

浅田 正 (Tadashi ASADA 宗像 Fukuoka)

●.....**Date: Wed, 9 July 2008 13:59:22 -0700**
Subject: Formation of the NPC on Mars

Hi Masatsugu, I have been informed that a person named Adachi-san made interesting comments concerning amateur images on the CMO website, in which he states his conviction that the cap forms in late winter. Could you point me to his comments? Thanks. Sincerely,

○.....**Date: Tue, 15 July 2008 16:16:51 -0700**
Subject: RE:RE:Formation of the NPC on Mars

Thanks Masatsugu for your nice reply. And thanks to Masami for finding Mr. Adachi's message. As for me, I produced a power point presentation that is attached proposing that high resolution images taken by amateurs from Ls 345 to Ls 30 interpreted by me indicated the NPC had grown in size in that period. But, when I reviewed the MRO MARCI weather images in that time frame it looks pretty clear that the cap was actually shrinking! Some images actually show the dark sublimation collar. Here is a link to them

http://www.msss.com/msss_images/subject/weather_reports.html

I apparently got fooled and still would welcome a way to interpret the images I put together. Any comments by you or Masami are very welcome. Thanks again. Sincerely,

Jim MELKA (ジム・メルカ St Louis MO 美)

●.....**Date: Sun, 13 July 2008 22:23:08 +0900**
Subject: お礼

... 火星は7月3日に撮ってはいますが、Seeing

が良くなく大した像ではありません。今日も撮っていますので、処理したらお送りします。

11日には帰りが遅く火星は無理でしたが、木星が良く見えたので撮ってみました。

○.....**Date: Sun, 20 July 2008 16:02:58 +0900**
Subject: Mo03 13 16 July 08

やっと16日までのものが出来たのでお送りします。梅雨も明け晴れが続きますが、ちょうど撮るところになると雷雨となる場合が多いようです。

森田 行雄 (Yukio MORITA 廿日市 Hiroshima)



●.....Date: Wed, 16 July 2008 09:15:23 +0900
Subject: Re: パンフレット拝受

南さま、伊東です。(日食クルージングの)適当な部屋は埋まってしまっているようですね。早くお知らせできなかったのが残念です。パシフィック・ヴィーナスはNHK関連の会社によるチャーター・クルーズとなっているようです。私は30~40cm程度のドブソニアン望遠鏡を持ち込みます。1999年に黒海の洋上で32cmドブソニアンを持参して見たコロナは忘れられません。船による日食観望のすばらしいところです。車椅子でも参加できます。今回は、満百歳の藤田良雄先生のお伴をする予定です。失礼いたします。

伊東 昌市 (Shoichi ITOH 国立天文台Tokyo)

●.....Date: Fri, 18 July 2008 15:01:36 +0800
Subject: Re: 中国人が芥川賞

拝復、お変わりなくて結構です。私も無事です。『火星通信』は毎月ありがたくいただいて居ます。今回の芥川賞『時が滲む朝』は1989年(ですか)の天安門事件を背景にした作品だと日本ヤフーに報道がありました。すると日本の風土とは無関係のようです。台湾で俳句の先生をやっている黄靈芝氏(今年数え年で81歳のはず)は、30歳前後のころ、台湾を舞台にした小説を日本語で書いて、日本の雑誌に掲載されたことがありました。それがある批評家の目に止まって、「日本語の小説は日本の風土性がないと、読者が得られない」とのアドバイスを与えられたそうです。黄氏はそのアドバイスを親切と受け止めて、日本語で小説を書くことをあきらめました。このことは黄氏が直接に私に話したことです。あのときから50年たった今では、日本の風土性のない小説でも芥川賞が取れるまでに、日本の社会は包容性が拡大されたわけですね。

天籟る鄙の長道ゆ恋ひ来れば明石の門より大和島見ゆ
柿本人麻呂

大和島とは聞きなれないことばだから、ヤフーの首页で検索したところ、とんでもなく詳しい考察が出てきました。

<http://www.furutasigaku.jp/jfuruta/hitomaro/inami.html>
考察者が大和島ときめた島は小さな岩島で、私に言わせるなら、そんな島のことで人麻呂が感動して一首詠むかどうかは疑問です。人麻呂はなつかしい大和地方の土地が見えてきたので感動したのだと思います。古来日本の本土を大八洲(おおやしま)、秋津島と言う習慣がありましたから、日本の「しま」は漢字の島とはイコールでないと思います。

万葉集にはこれに似た形式の歌が別にあります。今テキストを調べる根気がないので、おぼつかない記憶で書きますと、

逢坂をうち出でてみれば近江の海白木綿花に波たちわたる
(作者を記憶していません)

です。南さんのご住所からちょっとドライブすると、この歌が作られた場所に行き着けるのではないかと思います。

私は中学時代に源実朝の歌「箱根路を我が越え来れば伊豆の海や沖の小島に波の寄る見ゆ」が好きでした。ところが後に伊藤左千夫がこの歌をけなした文をみつけてびっくりしました。左千夫の説では実朝の歌は万葉の「逢坂をうち出でて・・・」の模倣で、万葉の歌は初めから終わりまで語気が弛みがないのに比べて、実朝の歌は「伊豆の海や」あたり語気が弛んで見苦しいとか、そのほかにもいろいろなことを言ってけなしていました。

台風7号が台湾の中南部に超豪雨を持ってきて、目下大洪水を引き起こしています。台北は豪雨と言えるほどには降っていません。

ではお体を大事に。敬具

頼 武揚 (W.-Y.LAI 臺北 Taiwan)

☆☆☆

シー・エム・オー・フクイ

中島 孝 Nj

★前号報告以降、神崎 一郎様(411)よりカンパを頂戴しました。有難うございました。不一

☆ Kasei-Tsushin CMO (Home Page: http://www.mars.dti.ne.jp/~cmo/oaa_mars.html)

『火星通信』 #348 (25 July 2008) 編集: 南 政次(Mn)、村上昌己(Mk)、中島 孝(Nj)

西田 昭徳(Ns)、常間地 ひとみ(Ts)

Edited by: Masatsugu MINAMI, Masami MURAKAMI, Takashi NAKAJIMA,

Akinori NISHITA and Hitomi TSUNEMACHI

発行 Published by/for: 東亜天文学会 OAA 火星課 Mars Section

☆ Any e-mail to CMO is acknowledged if addressed to

cmo@mars.dti.ne.jp (Masami MURAKAMI at Fujisawa)

vzv03210@nifty.com (Masatsugu MINAMI at Mikuni-Sakai)

☆ Usual mails to CMO are acknowledged if addressed to

Dr Masatsugu MINAMI, 3-6-74 Midori-ga-Oka, Mikuni, Sakai City, Fukui, 913-0048 JAPAN

☎913-0048 福井県坂井市三國町緑ヶ丘3丁目6-74 南 政次 (☎/FAX 0776-82-6222)

