

MARS

No. 307
25 July 2005

OBSERVATIONS

Published by the OAA Mars Section

CMO 2005 Mars Report #08

OAA Mars Section

THE present report treats the one-month period from 16 June 2005 to 15 July 2005. The apparent diameter δ went up from 8.6" to 10.2" during the period. The altitude of the planet has become much preferable from the stand point of the NH observers: The apparent declination went up from -1° to $+6.2^\circ$, and now the planet at dawn is quite higher from our standpoint. The Martian season preceded from $\lambda=231^\circ\text{Ls}$ to $\lambda=250^\circ\text{Ls}$, implying one of the most interesting season associated with the thawing of the spc. However in the main lands of Japan, the rainy season began in mid-July (and ended on 18 July at the Kwanto district) and so observable days were a few. At Fukui, the rainy season began on 27 June (just when it ended at Okinawa), but even before that the sky was rather cloudy. It was declared that the rainy season here ended just on 23 July. The phase angle was maximal from the beginning of July to mid-July ($\iota=47.4^\circ$). Note the season $\lambda=250^\circ\text{Ls}$ corresponded to the one when the great Noachis dust storm was onset in 1956, and $\lambda=249^\circ\text{Ls}$ corresponded to the season when the planet was greatly closest in 2003.

♂……………今回は16June2005から15July2005迄の一ヶ月を扱う。視直径 δ は8.6"から10.2"に伸びた。有り難いことに(尤も北半球の観測者にとってだが)、視赤緯が南緯1度から北緯6.2度へ昇り、明け方の火星は急速に高くなり、屈折では首が痛くなるほどである。火星の季節は $\lambda=231^\circ\text{Ls}$ から $\lambda=250^\circ\text{Ls}$ へ進み、南極冠の變化の一番面白い時期に当たったが、日本は梅雨で甚だ具合が悪かった。ときどき晴れてもスッキリせず、連続して観測出来ることは殆ど無い。福井は沖縄の梅雨明けの六月27日に入梅したが、雨は降らなくてもその前から相当長く曇天であり、入って土砂降りとなった。關東は六月10日入梅、七月18日梅雨明け宣言と聞いている。位相角は七月上旬から中旬、最高になった($\iota=47.4^\circ$)。なお、 $\lambda=250^\circ\text{Ls}$ は1956年の大黃雲の發生時期、また $\lambda=249^\circ\text{Ls}$ は2003年の最接近の時の季節である。

OBSERVERS who contributed this period are listed below.

♂……………観測者は新人も含めて増えている。村上(Mk)氏が開始したが、矢張り梅雨に手こずっている様である。Nj氏は勤務日が少なくなっているが、曇や雨と重なった。Ak氏は歸國していたが、矢張り機会がなかった如くである。19日に再びフィリッピンへ向かった(LtE)。

ANDERSON, David デヴィッド・アンダーソン (DAd) SC, USA

2 CCD Images (9, 13 July 2005) $f/55 \otimes 33\text{cm}$ spec with a ToUcam 740

BATES, Donald R ドン・ベーツ (DBt) 徳克薩斯 Houston, TX, USA

3 CCD Images (18, 25 June; 2 July 2005)

$f/25, 27 \otimes 25\text{cm}$ spec with a ToUcam

BIVER, Nicolas ニコラ・ビヴェール (NBv) 凡爾賽 Versailles, Yvelines, France

5 Colour Drawings (18, 20, 22, 24 June; 14 July 2005) 460, 700×41cm speculum

BOSMAN, Richard リシャルト・ボズマン(RBs) 荷蘭 Enshed, Nederland

2 CCD Images (2, 10 July 2005) 28cm SCT with ATK-2HS

- COELHO, Paulo S A** パウロ・コエーリョ (*PCo*) 葡萄牙 Montijo, República Portuguesa
1 CCD Image (26 June 2005) $f/20 \times 25$ cm SCT with a ToUcam
- HEFFNER, Robert** ロバート・ヘフナー (*RHf*) 名古屋 Nagoya, Aichi, Japan
3 CCD Images (24 June; 7, 12* July 2005) $f/28 \times 28$ cm SCT with ToUcam 840/*Lu075
- KARRER, Michael** ミハエル・カッレル (*MKr*) 奥地利 St Radegund, Österreich
2 CCD Images (25, 28 June 2005) 18cm Meade Refraktor with a ToUcam
- KOVACEVIC, Zlatko F** ズラトコ・コヴァチェヴィッチ (*ZKv*) 克羅地亞 Republika Hrvatska
3 CCD Images (22 June; 4, 15 July) $f/20 \times 20$ cm SCT with a ToUcam Pro
- KOWOLLIK, Silvia** シルヴィ・コヴォリク (*SKw*) 薩斯圖加特 Stuttgart, Deutschland
6 CCD Images (19 June; 4, 9, 10, 14, 15 July 2005) 18cm Refraktor with ToUcam 740
- KUMAMORI, Teruaki** 熊森 照明 (*Km*) 堺 Sakai, Osaka, Japan
2 CCD Images (20, 24 June 2005) $f/38, 78 \times 20$ cm Dall-Kirkham with a ToUcam
- MELILLO, Frank J** フランク・メリッロ (*FMI*) 紐約 Holtsville, NY, USA
4 Red CCD Images (18, 24 June; 3 July 2005) 20cm SCT with a Starlight Xpress MX5
- MINAMI, Masatsugu** 南 政次 (*Mn*) 福井 Fukui, Fukui, Japan
28 Drawings (17, 18, 19 June; 2, 6, 8, 12, 14 July 2005)
400, 480, 600×20cm GOTO refractor*
* Fukui City Observatory 福井市自然史博物館屋上天文臺
- MOORE, David M** デヴィッド・ムーア (*DMr*) 亞利桑那 Phoenix, AZ, USA
6 R&B Images + 1 Set of RGB Images (30 June; 11, 13, 15 July 2005)
 $f/37 \times 25$ cm speculum with ATK-1HS
- MORITA, Yukio** 森田 行雄 (*Mo*) 廿日市 Hatsuka-ichi, Hiroshima, Japan
10 Sets of RGB Images + 2 IR Images (16, 18, 19, 24 June; 7 July 2005)
25cm spec with an ST-5C
- MURAKAMI, Masami** 村上 昌己 (*Mk*) 藤澤 Fujisawa, Kanagawa, Japan
2 Drawings (6 July 2005) 400×20cm speculum
- PARKER, Donald C** ドン・パーカー (*DPk*) 佛羅里達 Miami, FL, USA
4 CCD Images (17 June; 2, 12 July 2005) $f/37 \times 41$ cm $F/6$ spec equipped with ATK-2C
- PEACH, Damian A** デミアン・ピーチ (*DPc*) 英國 Loudwater, Buckinghamshire, UK
6 Sets of CCD Images (13, 14 July 2005) $f/40 \times 35$ cm SCT with Lu075 (Lumenera)
- PELLIER, Christophe** クリストフ・ペリエ (*CPI*) 法國 nr Paris, France
4 Sets of CCD RGB Images + 4 R Image + others (18, 23 June; 3, 14 July 2005)
 $f/46 \times 21$ cm Mewlon with ATK-1HS
- ROSOLINA, Michael** マイケル・ロゾリーナ (*MRs*) 西維吉尼亞 Friars, WV, USA
2 Colour Drawings (24 June; 10 July 2005) 250, 340×20cm SCT
- TATUM, Randy** ランディ・テータム (*RTm*) 維吉尼亞 Richmond, VA, USA
2 CCD Images (25 June; 13 July 2005) 25 cm spec with a ToUcam
- TEICHERT, Gérard** ジェラルド・タイシエルト (*GTc*) 法國 Hattstatt, France
1 Drawing (15 July 2005) 330, 350×28cm SCT
- VALIMBERTI, Maurice** モーリス・ヴァリムベルティ (*MVI*) 墨爾本 Melbourne, Australia
4 CCD Images + 1 B (24, 25, 26 June 2005) $f/27 \times 35$ cm SCT with a ToUcam
- VANDEBERGH, Ralf** ラルフ・ファンデルベルフ (*RVb*) 荷蘭 Nederland
6 CCD Images (27, 28 June; 3, 10, 13 July 2005) 25cm spec with ATK-1HS
- ZANOTTI, Ferruccio** フェッルッチオ・ザノッティ (*FZt*) 義大利 Mt Giogo, Italia
1 CCD Image + 1 IR (19 June 2005) 24cm SCT with a ToUcam Pro/Vesta Pro

As is known from the results hitherto obtained (including the ones made by the Viking missions), the centre of the spc begins to deviate from the south pole from around $\lambda=235^\circ\text{Ls}$ and its rapidly melting half thaws away by $\lambda=250^\circ\text{Ls}$: So this interesting period started from late-June. However perhaps because of the less observable time just at dawn, few effective observations were obtained which show the crucial behaviour of the spc. For example, few views were secured from the angles around $\omega=300^\circ\text{W}$ and $\omega=150^\circ\text{W}$ to show the process of deviation (see the schematic diagrams made by MURAKAMI (*Mk*) in the Coming Mars article below). Meanwhile we were made recognised the spc looked suddenly smaller from some angles. The following are some examples hinting the rapid thawing of the half area of the spc at the transition period: KUMAMORI (*Km*)'s shot at $\omega=265^\circ\text{W}$, MORITA (*Mo*)'s at $\omega=266^\circ\text{W}$, VALIMBERTI (*MVI*) at $\omega=269^\circ\text{W}$, and HEFFNER (*RHf*)'s at $\omega=273^\circ\text{W}$ all on 24 June ($\lambda=237^\circ\text{Ls}$). On the other hand, from Japan the angles around $\omega=150^\circ\text{W}$ just came into sight at the beginning of July at around $\lambda=245^\circ\text{Ls}$, when the transition period nearly ended. Refer for example to the images made on by 7 July ($\lambda=245^\circ\text{Ls}$) at $\omega=140^\circ\text{W}$ by *RHf* and at $\omega=150^\circ\text{W}$ by *Mo* in CMO-Gallery. Otherwise the observations made by PEACH (*DPc*) on 13 July ($\lambda=248^\circ\text{Ls}$) at $\omega=208^\circ\text{W}$, and on 14 July ($\lambda=249^\circ\text{Ls}$) by BIVER (*NBv*) at $\omega=203^\circ\text{W}$ and by *DPc* and PELLIER (*CPI*) both at $\omega=207^\circ\text{W}$ clearly show the spc from the angles where the melted part faced to the Earth. These are well comparable with the 2003 images of the shrunk spc picked out in CMO #278 Report #12 where enumerated are *CPI*'s image at $\lambda=232^\circ\text{Ls}$ (in 2003) / $\omega=206^\circ\text{W}$, Don PARKER (*DPk*)'s at $\lambda=240^\circ\text{Ls}/\omega=204^\circ\text{W}$, WALLER (*SWI*)'s at $\lambda=242^\circ\text{Ls}/\omega=208^\circ$, and Eric NG (*ENg*)'s at $\lambda=249^\circ\text{Ls}/\omega=206^\circ\text{W}$. Image by *ENg* at $\lambda=249^\circ\text{Ls}$ (note the protrusion of Thytes Mons) corresponds to the ones made by *DPc*, *NBv* & *CPI* this time, and we may say this season also proceeded as in 2003 or slightly rapidly (note the difference of ϕ : this time ϕ was 21°S , while in 2003 $\phi=19^\circ\text{S}$. See Fig 2 at p. Ser2-0130). Besides, as stated in CMO #278, BUDA (*SBd*) observed a disturbance outside the perimeter of the shrunk spc at $\lambda=244^\circ\text{Ls}$ in 2003 (from the angle $\omega=233^\circ\text{W}$), and it is hoped that the images by *DPc* and *CPI* may provide information concerning this kind of phenomenon. As to some shadowy aspects inside the spc before $\lambda=235^\circ\text{Ls}$, *DPk*'s images on 17 June ($\lambda=232^\circ\text{Ls}$) at $\omega=204^\circ\text{W}$ show that the would-be melting away area is shadowy and Rima Australis is shown over the other side. BATES (*DBt*)'s image on 18 June ($\lambda=232^\circ\text{Ls}$) at $\omega=192^\circ\text{W}$ also shows similarly. On the same day, *CPI* shot at $\omega=101^\circ\text{W}\sim 104^\circ\text{W}$, and showed a progressed trace of Parva Depressio. This narrow period, we could not chase this phenomenon in Japan due to the rainy circumstances. Another objective was Novus Mons which started in this period to protrude from the perimeter of the spc: the trend in 2003 was shown also in CMO #278 during the period from $\lambda=240^\circ\text{Ls}$ to 250°Ls . This time, BOSMAN (*RBs*)'s image on 2 July ($\lambda=241^\circ\text{Ls}$) at $\omega=329^\circ\text{W}$, *CPI*'s on 3 July ($\lambda=242^\circ\text{Ls}$) at $\omega=308^\circ\text{W}$, and MOORE (*DMr*)'s on 11 July ($\lambda=247^\circ\text{Ls}$) at $\omega=356^\circ\text{W}$, as well as *DMr*'s on 13 July ($\lambda=249^\circ\text{Ls}$) at $\omega=333^\circ\text{W}$ suggest this phenomenon.

MORITA (*Mo*) succeeded in taking the pictures of M Serpentis on 18 June ($\lambda=233^\circ\text{Ls}$) at $\omega=328^\circ\text{W}$, 331°W and 335°W to compare with the accumulated data in 2003 at $\omega=328^\circ\text{W}$ since around the July 2003 Noachis dust storm. *Mo* also shot the image at $\omega=329^\circ\text{W}$ on the following day.

As the apparent diameter δ increased, some details became more apparent. Those observations by *CPI* on 18 June ($\lambda=232^\circ\text{Ls}$) at $\omega=101^\circ\text{W}\sim 104^\circ\text{W}$, and *DMr*'s on 30 June ($\lambda=240^\circ\text{Ls}$) at $\omega=099^\circ\text{W}$ & 104°W show that Phasis and the shadowy area to the north of the east end of M Sirenum remain similar to the aspects in 2003. As to Phasis, *RHf* at Nagoya showed quite clearly its shape on 12 July ($\lambda=248^\circ\text{Ls}$) at the angle $\omega=081^\circ\text{W}$ (where also shown clearly is the lightning Claritas). On the day, we had also a chance to see the planet at Fukui: The area around Solis L looked not so different than in 2003 and Phasis was clearly visible. 20°C and not windy though the clouds passing. It was conspicuous on the other hand the evening Argyre was quite whitish misty (*Mn*: at $\omega=070^\circ\text{W}$, 080°W , 090°W). Argyre looks out this year in distinct relief against the surrounding dark markings: See *CPI*'s images on 23 June ($\lambda=236^\circ\text{Ls}$) at $\omega=055^\circ\text{W}$, KARRER (*MKr*)'s on 25 June ($\lambda=237^\circ\text{Ls}$) at $\omega=021^\circ\text{W}$, *DPk*'s on 2 July ($\lambda=242^\circ\text{Ls}$) at $\omega=048^\circ\text{W}$, an *FMI*'s on 3 July ($\lambda=242^\circ\text{Ls}$) at $\omega=044^\circ\text{W}$. Argyre thus seems to be misty as it approaches the ter-

minator. The morning Argyre is also light in the image made by *MKr* on 28 June ($\lambda=239^\circ\text{Ls}$) at $\omega=344^\circ\text{W}$ (also the drawing by ROSOLINA (*MRs*) on 10 July ($\lambda=247^\circ\text{Ls}$) at $\omega=336^\circ\text{W}$). This brightness of the limb side Argyre may be caused by the reflection from the following slope inside the basin since the ι is high at present (a resonance of the slope angle and the phase angle). We should say the various observations of Argyre should be recommended this season since it was dusty just before the onset of the 1956 dust storm at Noachis. Hellas looked also to become misty as it turned toward the evening as shown by *Mo* on 18 June ($\lambda=233^\circ\text{Ls}$) at $\omega=328^\circ\text{W}$, 331°W , 335°W (they also show the morning Argyre is light). *Mo*'s another set on 19 July ($\lambda=233^\circ\text{Ls}$) at $\omega=329^\circ\text{W}$, *Km*'s on 20 July ($\omega=234^\circ\text{W}$) at $\omega=311^\circ\text{W}$, and *DPk*'s B image on 12 July ($\lambda=248^\circ\text{Ls}$) at $\omega=310^\circ\text{W}$ also prove the status of evening Hellas. The strength of the terminator mist must depend on ι , but when it is delicate, the wise method employed by *CPI* on 14 July ($\lambda=249^\circ\text{Ls}$) is highly recommendable: He featured the terminator side in a different way in B.

We should not forget to mention that *DBt* showed the cloudless summit of Olympus Mons as a dark reddish spot on 25 June ($\lambda=237^\circ\text{Ls}$) at $\omega=127^\circ\text{W}$ just like the case in 2003. The Arsia cloud was not active, but it will soon revive and attain its second peak at $\lambda=290^\circ\text{Ls} \sim \lambda=325^\circ\text{Ls}$, and hence careful and repeated observations of the Arsia Mons area by the shorter wavelengths are required hereafter before opposition.

Trinacria this year looks to be the same as in 2003 (not as in 1988), while M Tyrrhenum might be quite darker this year. Refer to the images by *Km* on 24 June ($\lambda=237^\circ\text{Ls}$) at $\omega=260^\circ\text{W} \sim 268^\circ\text{W}$, *Mo*'s at $\omega=266^\circ\text{W}$, and KOWOLLIK (*SKw*)'s on 10 July ($\lambda=246^\circ\text{Ls}$) at $\omega=234^\circ\text{W}$. Otherwise *MVI*'s images on 25 June ($\lambda=237^\circ\text{Ls}$) at $\omega=254^\circ\text{W}$, and on 26 June ($\lambda=238^\circ\text{Ls}$) at $\omega=243^\circ\text{W}$, 250°W also suggest this point: The former images may enhance the darkness, while *MVI*'s look quite natural as just seen visually. Especially his images give quite the same impression as we see the surface especially when it is viewed against the dawn blue sky.

Finally we mention that Chryse looks quite bright on the image of *MKr* on 25 June ($\lambda=237^\circ\text{Ls}$) at $\omega=021^\circ\text{W}$, and COELHO (*PCo*)'s image on the following day of 26 June ($\lambda=238^\circ\text{Ls}$) at $\omega=034^\circ\text{W}$ also suggests the same. Since Chryse and Xanthe are originally the light region, it is difficult to judge whether it is because of the ground lit or due to the atmospheric reason without further data.

♂.....ヴァイキングの結果も含めて、これまでの南極冠は $\lambda=235^\circ\text{Ls}$ 邊りからその半分が速く溶け出し、 $\lambda=250^\circ\text{Ls}$ には完全に半闕けになって仕舞うことが知られているが、今回はその時機を六月後半から迎えた。Internetで呼び掛けたが、然し、例えば、その消え行く部分を對照的に見るに都合の好い $\omega=300^\circ\text{W}$ 、 $\omega=150^\circ\text{W}$ 邊りの効果的な影像是得られていない。全體から、何が何か判らないまま、南極冠が小さくなったような印象しか残らないのは残念である。僅かに24June($\lambda=237^\circ\text{Ls}$)に*Km*氏の $\omega=265^\circ\text{W}$ 、*Mo*氏の $\omega=266^\circ\text{W}$ 、*MVI*氏の $\omega=269^\circ\text{W}$ 、*RHf*氏の $\omega=273^\circ\text{W}$ の南極冠の*p*方に過渡期の姿が出ているか、というところである。一方、日本から $\omega=150^\circ\text{W}$ が見えたのは七月上旬 $\lambda=245^\circ\text{Ls}$ 邊りで、もう溶け切ったとみて好いが、7July($\lambda=245^\circ\text{Ls}$)での*RHf*氏の $\omega=140^\circ\text{W}$ 、*Mo*氏の $\omega=150^\circ\text{W}$ にその様子が若干出ているかと思う。他に*DPc*氏が13July($\lambda=248^\circ\text{Ls}$)で $\omega=208^\circ\text{W}$ 、14July($\lambda=249^\circ\text{Ls}$)には*NBv*氏が $\omega=203^\circ\text{W}$ 、*DPc*氏と*CPI*氏が $\omega=207^\circ\text{W}$ で捉え、この方向の南極冠は早期に消えた方向からのもので薄く、2003年のCMO#278Report#12に列挙した2003年 $\lambda=232^\circ\text{Ls}$ の*CPI*氏の $\omega=206^\circ\text{W}$ 、 $\lambda=240^\circ\text{Ls}$ の*DPk*氏の $\omega=204^\circ\text{W}$ 、 $\lambda=242^\circ\text{Ls}$ の*SWI*氏の $\omega=208^\circ$ 、 $\lambda=249^\circ\text{Ls}$ での*ENg*氏の $\omega=206^\circ\text{W}$ 等に對應し、特に*ENg*氏像と比較して、通常の溶解を辿っているか少し速いと判断される(φ は今年の方がやや深い)。特にテュレス・モンスの出方を*ENg*氏像と比較すると好い(以下の稿の*Mk*氏の $\lambda=250^\circ\text{Ls}$ 、 $\omega=210^\circ\text{W}$ での南極冠の模式圖を参照されたい)。もう一つ、2003年には同じCMO#278で述べた様に*SBd*氏他*Mo*氏や*Ak*氏が $\lambda=244^\circ\text{Ls}$ で消失部分での擾亂を連続観測しているのであるが($\omega=233^\circ\text{W}$)、*DPc*氏や*CPI*氏の像と今後比較するのも必要かも知れない。尚、 $\lambda=235^\circ\text{Ls}$ 以前の南極冠の内部の陰翳については、17June($\lambda=232^\circ\text{Ls}$)に*DPk*氏が $\omega=204^\circ\text{W}$ で速く消失部分がやや薄暗くなっている事と、向こう側にリマ・アウストラリスが出ている事を示し、*DBt*氏の18June($\lambda=232^\circ\text{Ls}$) $\omega=192^\circ\text{W}$ も似た様な表現である。この日には*CPI*氏が $\omega=101^\circ\text{W} \sim 104^\circ\text{W}$

で撮像し、矢張りパルワ・デプレッショの進んだ様相を捉えている様子である。日本はこのあと、梅雨に祟られた。突出してくるノウウス・モンスもこの時期の観測対象で、2003年の場合は矢張りCMO#278に $\lambda=240^\circ\text{Ls}$ から 250°Ls の趨勢を示している。今回はRBs氏の2July($\lambda=241^\circ\text{Ls}$) $\omega=329^\circ\text{W}$ 、CPI氏の3July($\lambda=242^\circ\text{Ls}$) $\omega=308^\circ\text{W}$ 、DMr氏の11July($\lambda=247^\circ\text{Ls}$) $\omega=356^\circ\text{W}$ 、13July ($\lambda=249^\circ\text{Ls}$) $\omega=333^\circ\text{W}$ 等に迎れるかと思う。

マレ・セルペンティスの邊りの状景は、18June($\lambda=233^\circ\text{Ls}$)のMo氏の $\omega=328^\circ\text{W}$ 、 331°W 、 335°W のなかに2003年七月黄雲前後から比較した $\omega=328^\circ\text{W}$ が含まれ、好い角度になっている。Mo氏は翌日のも $\omega=329^\circ\text{W}$ を選んで撮った。既にこの頃からノウウス・モンスの邊りに変化が出ている、

視直径が大きくなり、詳細が可成り見えて来ている。パシスの邊りは、マレ・シレナム東端の北側の陰翳も含めて、2003年型であることがCPI氏の18June($\lambda=232^\circ\text{Ls}$) $\omega=101^\circ\text{W}\sim 104^\circ\text{W}$ 、DMr氏の30June($\lambda=240^\circ\text{Ls}$) $\omega=099^\circ\text{W}$ 、 104°W で判断できるが、パシスは特にRHf氏の12July($\lambda=248^\circ\text{Ls}$) $\omega=081^\circ\text{W}$ で綺麗に描寫されている(その他、クラリタスの明るさが好く出ている)。この日は名古屋も梅雨の晴れ間という感じであったと思うが、福井も雲は通るが、 20°C ほどで風もなく、ソリス・ラクス邊りを見ることが出来た。然程変化がないように見えた。パシスも好く見えていた。ただ、眼視ではアルギュレが夕端で可成り白っぽく、靄ってみえるのが分かる(Mn: $\omega=070^\circ\text{W}$ 、 080°W 、 090°W)。アルギュレは内部に入っても今期は好く輪郭が取れる。例としては、CPI氏の23June($\lambda=236^\circ\text{Ls}$) $\omega=055^\circ\text{W}$ 、MKr氏の25June ($\lambda=237^\circ\text{Ls}$) $\omega=021^\circ\text{W}$ 、DPk氏の2July ($\lambda=242^\circ\text{Ls}$) $\omega=048^\circ\text{W}$ 、FMI氏の3July($\lambda=242^\circ\text{Ls}$) $\omega=044^\circ\text{W}$ などがある。朝方のアルギュレはMKr氏の28June($\lambda=239^\circ\text{Ls}$) $\omega=344^\circ\text{W}$ に強い(他にMRs氏の10July($\lambda=247^\circ\text{Ls}$) $\omega=336^\circ\text{W}$ のスケッチなど)。朝方のアルギュレが明るく見えるのは、内部の傾斜角 i と共鳴するからかも知れない。アルギュレは1956年 $\lambda=250^\circ\text{Ls}$ のノアキス大黄雲の発生直前に黄塵が出ていたので、この時期アルギュレは要注意と言える。ヘッラスも夕方には明るく靄る様で、Mo氏の18June ($\lambda=233^\circ\text{Ls}$)の $\omega=328^\circ\text{W}$ 、 331°W 、 335°W にはよく示されている(これらには朝縁のアルギュレも明るい)。他にMo氏の19July($\lambda=233^\circ\text{Ls}$) $\omega=329^\circ\text{W}$ 、Km氏の20July($\omega=234^\circ\text{W}$) $\omega=311^\circ\text{W}$ 、DPk氏の12July($\lambda=248^\circ\text{Ls}$) $\omega=310^\circ\text{W}$ のB像など。夕端の靄の強さは位相角 i によって多少違うが、微妙な場合CPI氏の14July ($\lambda=249^\circ\text{Ls}$)でのB光の表現の工夫などは流石で、ccd観測家は参考にされたい。

25June($\lambda=237^\circ\text{Ls}$) $\omega=127^\circ\text{W}$ でDBt氏は夕方のオリュムプス・モンスを赤黒斑點として捉えた。2003年に見られたこと出るが、ドンピシャである。尚、アルシア・モンスの夕雲は休止中だが、次第に見え始め、 $\lambda=290^\circ\text{Ls}$ から $\lambda=325^\circ\text{Ls}$ で第二のピークを迎えると思うが、今回の衝は $\lambda=315^\circ\text{Ls}$ であるから、衝前にCPI風のB光で上手く捉える機会が出てくると思う。

今年のトリナクリアは2003年型であるが、今回はマレ・テュッレナムが濃く見えている。24June($\lambda=237^\circ\text{Ls}$)のKm氏の $\omega=260^\circ\text{W}\sim 268^\circ\text{W}$ 、Mo氏の $\omega=266^\circ\text{W}$ 、SKwさんの10July($\lambda=246^\circ\text{Ls}$) $\omega=234^\circ\text{W}$ 等を見られたい。他にMVI氏の25June($\lambda=237^\circ\text{Ls}$) $\omega=254^\circ\text{W}$ 、26June($\lambda=238^\circ\text{Ls}$) $\omega=243^\circ\text{W}$ 、 250°W 参照。MVI氏の像は肉眼での印象に近く、特に薄明になって見える像はソックリである。蒼バックでは黄色い火星と言って好い(餘談だが、昔の足羽山の15cm屈折は無コーティングに近く、朝の薄明の中で見る火星は色鮮やかで愉しめた。然し、低分散の20cm鏡になってから、甚だ味氣ない、不毛の火星という感じである。文字通り不毛の火星であるが)。

最後に、25June($\lambda=237^\circ\text{Ls}$) $\omega=021^\circ\text{W}$ でのMKr氏の像にはクリュセが他の明部より明るく寫っている。PCo氏の26June($\lambda=238^\circ\text{Ls}$) $\omega=034^\circ\text{W}$ でもそのように言えるかも知れない。然しもともとクリュセやクサントは明るいところである上、像の処理によっては出過ぎることもあるので、連続観測や眼視確認がなければ何とも言えない。

♂.....In the next issue we shall review the observations made during the period from 16 July ($\lambda=250^\circ\text{Ls}$, $\delta=10.2''$) to 15 August 2005 ($\lambda=269^\circ\text{Ls}$, $\delta=12.5''$).

南 政 次 Masatsugu MINAMI

Forthcoming 2005 Mars (11)

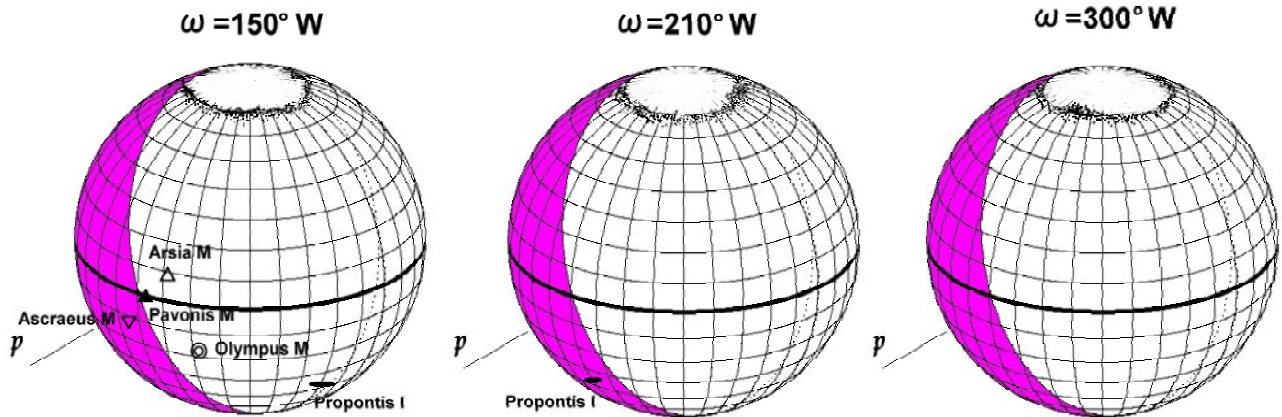
The SPC on Grids at $\lambda=235^\circ\text{Ls}$, 250°Ls , 270°Ls (経緯度圖で南極冠の偏芯を見る)

Masami MURAKAMI and Noriaki NISHITA

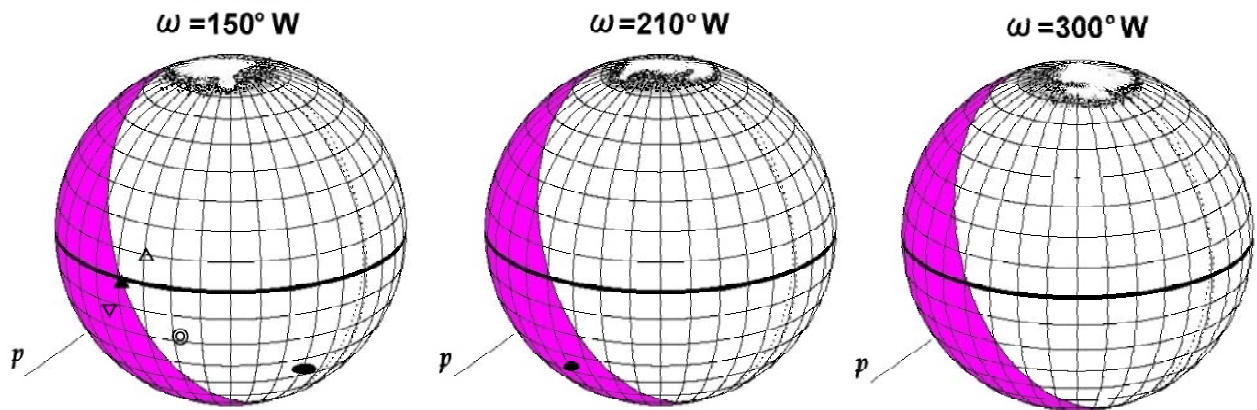
村上 昌己(Mk)・西田 昭徳(Ns)

★The spc has hitherto indicated the Martian south pole, but since around $\lambda=235^\circ\text{Ls}$ its center moves to the direction of $\Omega=030^\circ\text{W}$, and so it is not so easy to point out the pole direction hereafter. To exactly know the axis

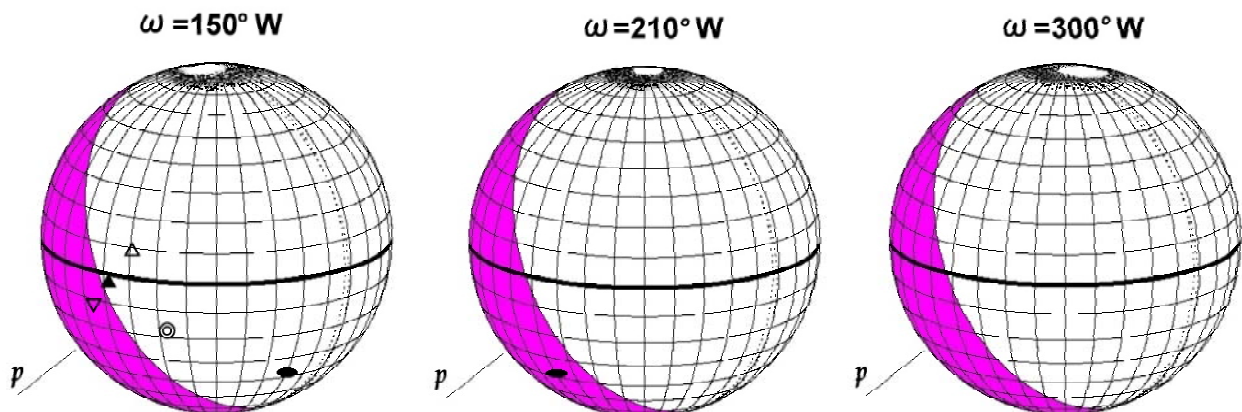
it is advisable to record on the image frame the direction of the planet moving out when the motor drive is made stopped (as usually done by Don PARKER and Yukio MORITA). Here we show the schematic (\rightarrow Next page)



22 June 2005 $\lambda=235^\circ\text{Ls}$ $\phi=24^\circ\text{S}$ $\delta=8.9''$ $\iota=47^\circ$



16 July 2005 $\lambda=250^\circ\text{Ls}$ $\phi=21^\circ\text{S}$ $\delta=10.2''$ $\iota=47^\circ$



16 August 2005 $\lambda=270^\circ\text{Ls}$ $\phi=15^\circ\text{S}$ $\delta=12.6''$ $\iota=45^\circ$

diagrams of the spc how it is seen deviated from the pole at particular angles at $\lambda=250^\circ\text{Ls}$ and $\lambda=270^\circ\text{Ls}$. As to the form and size of the spc (especially at $\lambda=250^\circ\text{Ls}$) we referred to the results of the Lowell Observatory, the Viking data and recent MGS-MOC images.

NB: The indication p shows the preceding direction of

便り
Letters to the Editor

●.....**Date: Fri, 24 June 2005 21:01:27 +0100**
Subject: Mars rotation and animation

Hi all, Here is an almost complete rotation of Mars obtained between April 19th - May 9th when the Planet presented a diameter of 6.3" to 7.0". All of the familiar features can be seen.

An animation is also attached showing the backward rotation we see from Earth. Best Wishes

○.....**Date: Fri, 24 June 2005 20:58:23 +0100**
Subject: Mars images (April 19, 20, 22, 24, 25, 27, 28, 29, May 1, 2, 3, 4, 7, 9th.)

Hi all, Here are 14 sessions of Mars images obtained between April 19th to May 9th. This is the complete set of data obtained during my trip. Almost the entire Planet was captured during the 3 week period. Best Wishes

○.....**Date: Wed, 13 July 2005 18:48:48 +0100**
Subject: Mars images (July 13th.)

Hi all, Here are some Mars images from this morning. The diameter was exactly 10 arc sec this morning, and i was quite surprised that the Planet revealed allot of detail.

The view was superb at 560x, and these are my best results for such a small Mars.

http://www.damianpeach.com/m2005_07_13rgb.jpg
Opposition time will be a treat, seeing permitting :-).

Best Wishes

MARS IMAGES. July 13th, 2005
D.A. Peach. Loudwater, Buckinghamshire, UK.
14" (35cm) Celestron SCT @ F39.5.
Lumenera LU075M CCD camera.
Seeing good (Pickering 6-8.)
Transparency excellent (5.5mag.) scatt high clouds.
No wind. Heavy dew.
Altitude= 33-38 degrees.

PS:The major advantage with the *Lumenera camera* is much faster frames rates. Anything upto 120fps is possible, which is many times greater than the typical webcams. It does cost allot at nearly 1000 euro however.

the movement of the image when the motor drive is stopped. We depict also the noon line (*N*-line) by a dotted line. This shows how we mostly observe the afternoon side at present. The intersection of the *N*-line with another dotted line (*M*-line) is the point where the Sun shines at zenith (sub-Solar point *D_s*). □

○.....**Date: Thu, 14 July 2005 20:28:48 +0100**
Subject: Mars images (July 14th - excellent seeing.)

Hi all, Here are some even better images than yesterday morning. Seeing was excellent this morning, and allowed some further fine details to be seen surprising for an angular diameter of 10".

Trivium Charontis is already resolved into two small dots, not usually seen so early. I also include a small animation showing the rotation during the 50min imaging session.

Not much in the way of cloud activity, though some haze over Hellas on the limb.

http://homepage.ntlworld.com/damian.peach/m2005_07_14rgb.jpg
http://homepage.ntlworld.com/damian.peach/m2005_07_14bw.jpg
http://homepage.ntlworld.com/damian.peach/July17th_rgb.gif

Best Wishes

○.....**Date: Fri, 15 July 2005 20:06:47 +0100**
Subject: Barbados Webpage

Hi all, Here is a webpage showing all the best data of various objects during the Barbados Imaging Mission.

<http://www.damianpeach.com/barbados05.htm>

Images of The Moon, Mars, Jupiter and Saturn can be found there. Best Wishes

○.....**Date: Sat, 16 July 2005 18:45:28 +0100**
Subject: Mars images (July 16th.)

Hi all, Here are some Mars images from July 16th. Reasonable seeing this morning. There seems to be a faint detached brighter patch near to the position of Novus Mons on the limb. Perhaps it has already become detached from the SPC?... Best Wishes

○.....**Date: Sun, 17 July 2005 22:13:21 +0100**
Subject: Mars images (July 17th.)

Hi all, Here are some images from this morning. Fair to good seeing. Note the dark concentration in the Valhalla marking in R and B, probably corresponding to one of the darker features seen in images by Christophe Pellier.

http://www.damianpeach.com/m2005_07_17all.jpg

Best Wishes

○ · · · · · *Date: Mon, 18 July 2005 15:08:17 +0100*
Subject: Mars images (July 18th.)

Hi all, Here are some Mars images from this morning.
 Poor conditions, with clouds rapidly arriving.

Note Proprotis is seen near the bottom of the disk, and
 the small bright patch on the edge of the SPC.

Best Wishes

○ · · · · · *Date: Thu, 21 July 2005 21:42:44 +0100*
Subject: Mars image (July 21st.)

Hi all, Here is an image from this morning. Very poor
 seeing conditions. Best Wishes

○ · · · · · *Date: Fri, 22 July 2005 19:48:01 +0100*
Subject: Mars images (July 22nd.)

Hi all, Here are some images from this morning. Seeing
 was again poor. However, some interesting details are
 seen. Olympus Mons is dark in both Red and Blue light.
 Also note the faint hazy mist patch in the B image near
 the pole. A dusky patch is also seen in R corresponding
 to Arsia Mons.

Daedalia/Araxes/Phasis on is emerging from the dark
 limb, with Solis lacus itself just about visible.

Best Wishes

Damian PEACH (テ`ミアソ`ピ`ーチ Buckinghamshire 英)
dpeach_78@yahoo.co.uk

● · · · · · *Date: Fri, 24 June 2005 22:22:24 +0200*
Subject: Jupiter, june 11th and 18th

Hi observers, two new sets of images. Seeing was really
 good the 18th directly after sunset; but I'm getting more
 and more disappointed by the Toucam II which looks
 really poorer than the Touc I... Best wishes,

○ · · · · · *Date: Sat, 25 June 2005 10:13:45 +0200*
Subject: Mars, June 23th 2005

Hello, some images from the 23th. Good seeing.
 Regards

○ · · · · · *Date: Sun, 03 July 2005 17:44:46 +0200*
Subject: Mars, July 3rd 2005

Hi observers, Seeing was really good this morning
 (pickering 8-9 during the night, higher in the sky). Mars
 is now reaching 35° and more in my location. Hellas
 shows its quite-often seen creamy tint (also detected in
 visual). It's bright in blue light. At the very limit, the
 Mitchel mountains are discernable at the edge of
 the cap. Best wishes,

○ · · · · · *Date: Thu, 14 July 2005 19:21:15 +0200*
Subject: Mars July 14th

Hi all, good seeing this morning for Mars, although the
 sky was hazy.

<http://astrosurf.com/pellier/M050714-CPE>

Usual processing of images try to get rid of the sky
 background. This has for result the lost of information
 near the duller martian terminator. I have then made two
 additional processing without darkening of the sky back-
 ground, and now the delicate evening limb hazes can be
 found over the terminator :-)

Also just a try with the IR 1000 filter (poor result).

Best wishes,

○ · · · · · *Date: Sun, 17 July 2005 09:27:17 +0200*
Subject: Mars, July 16th

Hi all, Fair conditions yesterday morning... this morning
 will be quite better.

<http://pellier.christophe.club.fr/M050716-CPE.jpg>

Best wishes

○ · · · · · *Date: Sun, 17 July 2005 17:11:50 +0200*
Subject: Mars, July 17th

Hi again, this morning conditions were quite better.
<http://pellier.christophe.club.fr/M050717-CPE.jpg>

There is something strange in these images : the dark
 patches seen in blue light (near the center of the disk)
 don't match with the surface dark markings. Two patches
 are located north of Mare Cimmerium at around 18°S
 and 17°S, but the Mare itself looks completely veiled.
 This is found also on my July 16th images.

Ideas ? Only a question of white clouds veils/holes ?

○ · · · · · *Date: Thu, 21 July 2005 19:28:45 +0200*
To: Alan Friedman <alan@greatarrow.com>

Subject: Re: Mars: possible dust event near Hellas

Hi all, I'm still thinking that this is not a dust storm.
 Hellas is always bright and yellow as seen near the limb.
 Among others check my July 14th images :

<http://astrosurf.com/pellier/M050714-CPE>

Bright, yellow, but normal Hellas...

○ · · · · · *Date: Fri, 22 July 2005 06:53:59 +0200*

From: Christophe Pellier <chrispellier@tiscali.fr>

To: marsobservers@yahoogroups.com

Cc: Masatsugu Minami <vz03210@nifty.com>

*Subject: Re: [marsobservers] Re: Mars: possible dust
 event near Hellas*

Hi Joel, I'm also a Mars analyst (for the SAF) and I'd
 like to stress the following points...

- Hellas and especially its northeast part are *always*
 bright or almost, especially when seen close to the limb.

The north-east part is regurlaly believed to be the start of dust storms (in this list, in 2003 but also twice already in 2005), but they all proved to be false alerts (until we're sure of this new one)

- On the latest images, the shape of the basin is complete, and Zea lacus on its middle is visible (if it's not, a slight overexposure is also likely to be the cause of the brightening) then there is no obscuration

- if one looks closely to MGS data (but also in 2003 to amateurs images), he sees that the real beginning site of the 2001 and 2003 (July) storms is found *outside* the basin, at its north-east (Lapigya Viridis, Mare Hadriacum). I would like to add also, that the 2003 dust has been caused by a *northern polar dust front* that crossed the equator through Isidis planitia (strange result discovered recently by professionnals). Each time Hellas seemed to have only trapped dust without knowing any storm inside.

Thus until I see a better proof, I still not believe that there is a dust storm. Look to Ed Grafton's image on July 19th, it shows a completely normal Hellas...

J. Warren a écrit :

>Hello Christophe,

>Normally, I would agree, but your RGB images show virtually no difference where as in all images from 7-21 show a distinct and certain difference. I just read Don Parker's e-mail and he said he believes there is a dust event occuring in Hellas. Don is certainly in the top 3 imagers of Mars and has written several papers on the matter, so I gotta go with what he says. I also find it strange that Frank's image shows the two bright spots, just as my image does, same exact locations. Almost carbon copies of each other. Given different processing programs, contrast, and techniques, I find it hard to believe we would exactly copy each others limb brightening.

>Regards,

>Joel

Christophe PELLIER (クルストフ・ペリエ nr Paris 法)
chrispellier@tiscali.fr

●.....Date: Sat, 25 June2005 06:42:06 +0900
Subject: Mo24June_05

24日 GMT、今朝はよく晴れSeeingも良かったのですが、シンクロナス・モーターのねじが緩み、動かなくなってしまうました。結局、撮れたのはこの時間だけです。

今日は幸運なことに土曜日なので、なんとかなおしてみようと思います。

○.....Date: Sun, 3 July 2005 21:08:32 +0900

Subject: Re: #306 発送のお知らせ

#306は今朝(3 July JST)届きました。有難うございます。

梅雨明けがいつになるかはわかりませんが、明けたらまた、撮りはじめますので、そのときの注意事項など ありましたら、よろしく願います。福井は雨はどうですか?

○.....Date: Sun, 10 July 2005 13:44:27 +0900

Subject: Mo07July_05

07 Julyをお送りします。前日も撮ってはいませんが、雲が掛かっている露出が3~5秒もかかってしまい、少々ピンボケですので7日のものだけにします。南極冠あたりをもう少し出そうと思って色々やってみましたがなかなか上手くいきません。この日も薄雲の中での撮像で、いつもより露出は多めです。

森田 行雄 (Yukio MORITA 廿日市 Hiroshima)
mo7797@ybb.ne.jp

●.....Date: Sat, 25 June 2005 08:52:24 +0900

Subject: Mars-2005-06-24-KUMAMORI

始めたばかりですが、上階のベランダにケラレ始めてきました。透明度は悪いですが思い切ってF数を上げてみました。

熊森 照明 (Teruaki KUMAMORI 堺 Osaka)
khf11706@nifty.com

●.....Date: Sat, 25 June2005 17:02:15 +1000

Subject: Mars 24th June UT

Here is a Mars image taken this morning under momentarily fair skies.

Regards

○.....Date: Sun, 26 June2005 12:53:28 +1000

Subject: Mars 25th June UT

Attached is an image of Mars taken on the 25th June as marked with fair seeing. Best wishes

○.....Date: Mon, 27 June2005 22:43:03 +1000

Subject: Mars 26th June UT

Attached is a composite of two Mars images taken on the 26th June. A dark area at Chersonesus/Chronium M. appears prominent (Thyle II?). Best wishes

Maurice VALIMBERTI

(モーリス・ヴァリムバルティ Mebourne 澳)
maurice@wraith2.net

●.....Date: Sat, 25 June 2005 20:55:44 +0900

Subject: Mars observation 2005/06/24 19:36 UT

CMOさま、お久しぶりです。名古屋の方では梅

雨のため、晴れ間はこの2週間なかなかありませんでした。そのためMare Serpentisの観測も、見逃しました。

さて、今朝の画像を送ります。撮影時にLocal seeingは良くありませんでした。また明日頑張ります。Best regards,

○·····*Date: Tue, 28 June 2005 05:27:07 +0900*
Subject: Re: From CMO/OAA

Minami-san, Thanks for the Cc! I didn't realize the latest CMO was online, I am reading it now.

The rainy season here this year has been pretty harsh, nothing but clouds, at least here in Nagoya....

○·····*Date: Wed, 29 June 2005 03:33:53 +0900*
Subject: Re: RE:Re: From CMO/OAA

Hi, Thanks for the Mars image, very nostalgic indeed. An incredible image, even more so for one captured on film. I'll have to look up some more information about the imager, I'm not familiar with him, except for your references in CMO etc.

○·····*Date: Sat, 9 July 2005 03:43:09 +0900*
Subject: New webcam from Philips

This looks interesting, a new webcam from Philips. 75fps-90fps, USB 2.0, 24 bit color webcam.

http://www.p4c.philips.com/files/s/spc900nc_00/spc900nc_00_pss_eng.pdf

○·····*Date: Sun, 10 July 2005 13:14:58 +0900*
Subject: Mars observation 2005/07/07 19:12 UT

Dear CMO, Hello, I send you a poor Mars image from this past week, 2005/07/07 19:12 UT (about 200 frames stacked). Poor seeing, PC freeze up, and some other troubles.

The rainy season this year is pretty rough on us imagers/observers in Japan..... Hope we can get some clear skies soon. Best regards.

○·····*Date: Wed, 13 July 2005 12:02:31 +0900*
Subject: Mars observation 2005/07/12 18:31 UT

CMO, What a beautiful a.m. this morning here!! Finally a break in the clouds. I send you my first image with the Lumenera LU075. Solis Lucus etc. can be seen.

Hopefully better images to come as I get used the camera settings. Best regards,

○·····*Date: Thu, 14 July 2005 22:25:44 +0900*
Subject: small Mars animation

Minami-san, I made a small (and poor) animation of Mars from July, 12th UT. The first two frames are 17:27 UT and 18:07 UT, last one is 18:31 UT.

○·····*Date: Tue, 19 July 2005 20:22:26 +0900*
*Subject: Mars observation, July 18, 2005 - 19:04 UT & 19:59 UT (*indentations in the SPC)*

Dear CMO, Hello, I send you two images taken in poor seeing and transparency. Though the quality of the images is not good, in both images indentations can be seen in the SPC. (left image = 19:04 UT, right image = 19:54 UT, the small attachment is the SPC from 19:04 enlarged 200%)

Summertime seeing has proven to be poor of late, at least the rainy season is almost over.

Best regards as always,

○·····*Date: Fri, 22 July 2005 02:27:06 +0900*
Subject: 2005/07/20 19:39UT

Dear CMO, Hello, An image from July 20th UT. Still working on the camera settings with the LU camera (color balance, gain etc.), I am pleased with the detail it can pick up in less than average seeing. Should work well in good seeing with Mars at opposition.

Hope all is well.

○·····*Date: Fri, 22 July 2005 20:03:12 +0900*
Subject: 2005/07/21 19:46 UT

Dear CMO, Hello, An image from this morning, it is so nice to finally have clear skies after that lo--ng rainy season.

Comments: Detail on the SPC collar can be seen. Some darkening between SPC collar and Argyre is visible. Seeing = 2-3/10, Transparency = 4/6. Best regards,

ロバート・ヘフナー (Robert HEFFNER 名古屋 Aichi)

●·····*Date: Sat, 25 June 2005 13:54:38 +0000*
Subject: 6-25-2005 Mars

Dear Masami, Attached is an image of Mars from this morning. I used a 25.4 cm f/12 refl., 3x barlow, no filter, ToUcam Pro, Registax 3 and Photoshop Elements. Seeing was 6/10 and trans. 4/5 with slight haze. Some heat from a neighbor's house caused some image motion. This apparition should be better than the last if the weather cooperates. Sincerely,

○·····*Date: Thu, 14 July 2005 20:44:32 +0000*
Subject: mars 7-13

Dear Masami, Attached is an image from 7-13. Seeing was 7/10 and transparency 3/5. I used a 25.4 cm f/12 refl. 3x barlow (no filter), ToUcam Pro, Registax 3, Photoshop Elements. Sincerely,

○.....**Date: Sat, 23 Jul 2005 18:56:04 +0000**
Subject: mars 7-23-2005

Dear Masami, Attached is an image from this morning. Seeing was 4/10 and transparency 3/5. It was very humid. I used a 25.4 cm f/12 refl., 3X barlow, no filter, ToUcam Pro, Registax 3 and Photoshop Elements.

Randy TATUM (ランディ・テータム Va 美)
k.r.tatum@att.net

●.....**Sent: Saturday, June 25, 2005 8:41 PM**
Subject: メールアドレス変更の件

村上様 そろそろ、火星の季節ですね。といっても、私のことですから、八月に始められたら上々ですが。

さて、近いうちにニフティのアドレスをやめる予定なので、今後は fhqwy419@ybb.ne.jp へ、メールをお願いします。

石橋 力 (Tsutomu ISHIBASHI 相模原 Kanagawa)
fhqwy419@ybb.ne.jp

●.....**Date: Sat, 25 June 2005 14:19:31 -0400**
Subject: Mars sketch

Hello, I made my first sketch of Mars for the 2005 apparition on 24 June and would like to submit it to you. Please advise if there is any information you need.

I have also attached two sketches I made from the 2003 apparition as samples of my work. I have sent a copy of this e-mail to Mr. Minami. Thank you,

○.....**Date: Mon, 27 June 2005 21:58:56 -0400**
Subject: Re: Mars sketch

Sir: Thank you very much. I will follow your instructions about mirror reversed images and observing notes on my next submission. Clear skies,

○.....**Date: Sun, 10 July 2005 10:32:33 -0400**
Subject: Mars Sketch 7.10.05

Sir: I made an observation and sketch of Mars this morning. As with the first sketch I submitted to you, I decided not to use a simulator to preview the Martian disk before I made my observation so that I could have an unbiased view. Mars is still very small and it is hard to detect much detail even with 20 cm of aperture!

The sketch is what I could see through the ep.

The sketch is attached (south up and preceding side to the left). I also include the notes here:

8" SCT f/10 Mag: 338x Filters: W#21, 80A, & unfiltered Seeing: 7/10 Trans:2/6

Notes: South Polar Cap (SPC) small with dark collar. Bright area near f. limb is probably Argyre I. Sinus Sabaeus on central meridian (CM) followed by Mare Erythraeum. Slender morning arc on following limb.

Thank you,

Michael ROSOLINA (マイケル・ロソリナ WV 美)
omf02471@mail.wvnet.edu

●.....**Date: Mon, 27 June 2005 16:49:05 +0200**
Subject: Mars 05-06-19 1 picture

Hi, Mars with SC 235mm Best Regards

Ferruccio ZANOTTI (フェルッチオ・ザノッティ Ferrara 義)
fzanotti1@aliceposta.it

●.....**Date: Sat, 25 June 2005 14:33:40 -0500**
Subject: Mars image 06252005 Bates

Dear Mars observing colleagues,

Please find my image of Mars taken 06/25/2005 under good seeing conditions. Very hot and humid temperatures at dawn here in Houston. All the best,

○.....**Date: Mon, 27 June 2005 22:12:01 -0500**
Subject: Mars website

Dear Masatsugu: Thanks very much for the kind words about my images showing the Parva Depressio. You have inspired me to keep imaging even when my body complains from lack of sleep. But such is the life of the observer, and we should give thanks for our eyes, our instruments, and the Red Planet above. We can rest when Mars has retreated back into space, and no longer demands our keen attention.

In answer to your questions about the CMO website, I am using Internet Explorer, version 6 on a Windows XP OS. As far as I can tell, all the characters, including Japanese, display properly. Clear skies to all the observers in Japan,

○.....**Date: Sun, 3 July 2005 01:21:49 -0500**
Subject: Bates image, 07/02/2005 - The Lake of the Sun is dusty?

Minami: Thanks very much for sending the hard copies of the CMO material by mail, your package arrived today.

Please find my latest image of Mars, taken 07/02/2005. Richard McKim had mentioned that Solis Lacus would look different when it finally turned its face toward Texas, and sure enough, I noticed a change in my image.

This was difficult to determine at the eyepiece, but the CCD image seems to show a general diffusion of detail on the Eye of Mars.

Conditions have been very hot and humid here, with no rain for several weeks. Good for observing, bad for the garden. All the best,

○.....**Date: Sun, 10 July 2005 16:11:27 -0500**
Subject: Mars image 07102005 Bates

Mars Colleagues: Please find my latest Mars Image:
(10:20:00 UT, 7/10/2005)

Notes: Sinus Sabaeus and Mare Serpentis are dark areas. Possible limb haze visible near Argyre I.

All the best,

Don BATES (ト^ン・ヘ^ーツ Houston, TX, USA)
dbates3@houston.rr.com

●.....**Date: Mon, 27 June 2005 11:01:06 +0200**
Subject: Mars June 27

To the observers, Attached are my first Mars observations of the season. Taken June 27 in near-infrared. We see Mare Erythraeum, Chryse, Argyre, Niliacus Lacus etc. Note also the dark polar collar already.

It was a good feeling to see my scope pointed higher in the sky again, after the poor altitude season of Jupiter.

Best regards,

Ralf VANDEBERGH (ラルフ・ファンテ^ヘルフ 荷蘭)
ralf.vandebergh@home.nl

●.....**Date: Tue, 28 June 2005 14:41:26 +0200**
Subject: RE:Re: Thanks

Dear Masatsugu, of course you can call me Cesare, I must also apologize for the delay in replying due to some business engagements, but here I am now to thank you and Mr. Nakajima for the photos, indeed very nice.

Please rest assured that I will be very pleased to assist you with any information required on the history of Brera so contact me any time you wish.

I will of course extend your regards to the OAB staff. On my behalf please extend my very best regards to Mr. Nakajima. I look forward to hearing from you.

Cesare BARONI (チェサ^レール・バ^ロニ Brera 義)
cesare.baroni@rcs.it

●.....**Date: Tue, 28 June 2005 23:26:38 +0900**
Subject: Re: アンケート

仕事や趣味でバタバタな毎日です。それでいて

充実していると感じるから困ったものです。

私もMac使いです。G4もありますが、何故かG3を使い続けています。OSも普段は9.2.2を使っています。実はソフトを買い直す小遣いが無いので、OS X tigerを持っているにもかかわらず古い物を使用しています。

MacでIE 5.1も使っています。ブラウザはNetscape4.7と7.0.2も使っています。HPの管理者やレンタルサーバーの関係から旨く表示されない場合があるからです。CMOのHPはIE 5.1では何も障害無く見られます。会社のG4も同じくIEなら問題無く見られています。不思議に思われるかも知れませんが、メーラーはOutlookを使っています。

(下家園子さんのことは)凄いい情報ですね。興味があります。これまた初耳で申し訳ないです。住所が判っているのですから、迷子にはならないでしょうね。ちなみに今年出向いた天田峠の小山の上は一面の樹木が倒れていて頂上までは行けませんでした。腰より高いブッシュをかきわけて登ります。たぶん来年なら木も朽ち果てていると思います。ある意味では秋か来春に行くのがチャンスかも知れません。

荒山峠 (Arayama Pass)のその後..

難解な問題が立ち上がりまして、少々困難な状態です。荒山峠の道はどうやら本筋とそうでない迂回路があったようです。ローエルはその迂回路を通ったものと思われまます。その裏付け作業に入っています。ローエルの紀行文の見落とし?若しくは表現の方法にその答えがありそうです。

道が悪くて人力車を降りた訳ですが、なぜ悪路なのかについて考えませんでした。なにせ峠の茶屋があるのに悪路と言うのはおかしい話です。裏付けがハッキリしていませんが、地滑りで本筋が通れなかったと考えています。昭和に入ってから地形が変わるほどの災害が発生していたのです。現在の住居が石垣のにあるのは、元々平坦なところが地滑りで無くなってしまったから高台になってしまったのだそうです。

どちらにしても現在のところ峠を工事した業者を捜しています。おそらく測量図が存在するはずですよ。

長 兼 弘 (Kanehiro OSA 野々市 Ishikawa)
aurora-2@alto.ocn.ne.jp

●.....**Date: Thu, 30 June 2005 10:10:48 +0200**
Subject: Mars: June 18-24 2005

Dear all, After a long period without any observation of the red planet, I finally resumed drawing it a few days ago... So please find attached here my first series of drawings for 2005, in order from upper left to lower right:

18 June 2005 3:35 UT: CML=98.3 Seeing good, 40.7cm Newtonian x461 and x700
 20 June 2005 3:35 UT: CML=78.6 Seeing fair to good, 40.7cm N. x700
 22 June 2005 3:45 UT: CML=61.3 Seeing fair, 40.7cm Newt. x700
 24 June 2005 3:35 UT: CML=39.2 Seeing fair, 40.7cm Newt. x700

All observations made from the city of Versailles, France

Nothing particular to note, obvious South polar cap, very low contrast on the northern part of the disk (M.Acidalium and surroundings not really visible), Solis Lacus not easy to separate from the surrounding dark features...

Next observations not before mid-July probably,
 Clear Skies,

○.....**Date: Mon, 18 July 2005 17:37:58 +0200**
Subject: Mars July 14th and 16th

Dear all, As promised to christophe yesterday... here are my drawings for July 14.15 and 16.15 UT with my 407 mm x700 telescope under fair to good seeing conditions.
 Regards,

Nicolas BIVER (ニコラ・ビヴァール Versailles 法)
Nicolas.Biver@obspm.fr

●.....**Date: Thu, 30 June 2005 08:55:42 +0200**
Subject: Mars 2005-06-26 and 2005-06-28

Dear Mr. Murakami, enclosed two recent results of Mars. Best Regards from Austria,

Michael KARRER (ミハヤエル・カッター St Radegund 奥)
michael.karrer@stmk.wifi.at

●.....**Date: Sat, 2 July 2005 13:33:16 +0100**
Subject: Re: From CMO/OAA

Dear Masatsugu Minami, I would like to participate on the gallery, It would be a pleasure. I don't make a great number of photographic observations due to various reasons, the major one is the lack of time. As an amateur my time is limited, and so are my observations. I'll try to improve the number of records this apparition!

I understand why my position is precious to you and I hope more observers in Portugal report there results:

Antonio Cidadao, Ricardo Nunes, Paulo Casquinha and Pedro Ré among others, are my personal friends and the more active ones. So far they didn't make any Mars observation regarding this apparition, but they will for certain.

Please use this email: *coelho.p@mail.telepac.pt* for contact or CMO reports. In the future I'll follow the email nomenclature you gave, when reporting new observations. Best Regards,

Paulo COELHO (パウロ・コエリョ Montijo 葡)
coelho.p@mail.telepac.pt

●.....**Date: Sun, 3 July 2005 19:48:50 +0900**
Subject: Re: #306 発送のお知らせ

南政次様、お変わりなくお過ごしのご様子にて、なによりのことと存じ上げます。CMO306号、本日朝(3日朝)クロネコメール便で到着致しました。有難う御座いました。

当地は2~3日前から梅雨らしい雨がようやく降り出しましたが、北陸地方は大雨ではないかと懸念しております。海外から参加の火星観測者も増えたご様子にて、CMOにとり大変素晴らしい事と存じます。時候不順の折からご自愛の程祈念致しております。

松本 達二郎 (Tatsujiro MATSUMOTO 兵庫 Hyogo)
tmatsumo@dd.ij4u.or.jp

●.....**Date: Sun, 03 July 2005 20:48:06 +0000**
Subject: Mars Images

Hi All, I have attached some Mars images from 2 July. Best,

○.....**Date: Thu, 14 July 2005 03:30:34 +0000**
Subject: Mars Images

Hi All, I have attached some Mars images from 12 July. Best,

Don PARKER (唐那・派克 Miami, FL 美)
park3232@bellsouth.net

●.....**Date: Tue, 5 July 2005 01:24:37 -0700 (PDT)**
Subject: Mars photo 4 July

Dear Sir, I send to you my Mars photo, 4 July 2005, 2:47 UT Celestron G-8 SC,(203mm) @ F/20 ToUcam, Filter R-IR 610nm, 117 of 1583 frames
 Seeing: 5-6/10, Transp: 8/10 Grayscale

Best wishes,
 ○.....**Date: Fri, 15 July 2005 03:25:41 -0700**

Subject: mars photo 15 July

Longpass 74/1448 frames Seeing: 4-5/10, Transp.: 8/10

Dear Sir, I send to you my Mars image on 15 July 2005, Time: 2:55 UT Telescope: Celestron SC G-8 (D=203mm, F=2032mm) @ F/20 ToUcam Pro, R-IR Filter 610nm

Best wishes from Croatia,

Zlatko KOVACEVIC (Z・コウ アチェウ イッチ Virovitica 克) zlatkovacevic@yahoo.com

TEN YEARS AGO (119)

----CMO #164 (25 July 1995)----

CMO #164, published on 25 July 1995, is made of 16 pages: The first main article was about Don PARKER (DPk)'s ccd images in 1994/95, and then came LtE, OAA Mars Section Report, and finally a reproduction of MURAKAMI (Mk)'s article in another journal on his recollection of his trip to Fukui in 1994 (First Part). The planet was at opposition on 12 Feb 1995, while DPK first tried on 5 June 1994 when δ was 4.4" though his real start was from 7 Oct 1994 when $\delta=6.1"$. This review here treats the first half of his work before opposition, and so the season covers $\lambda=359^\circ\text{Ls}\sim 058^\circ\text{Ls}$. Listed are a total of 45 B&W images (RGB, RB, B, R, GB) and 28 RGB Colour prints, and reproduced here 11 B&W. For example, our review of DPK's images on 22 Oct ($\lambda=006^\circ\text{Ls}$, $\delta=6.8"$) at $\omega=220^\circ\text{W}$ is "Syrtis Mj is near the morning limb, N Alcyonius is definitely separated from Utopia, the Aetheria dark patch and Cerberus are dark while Elysium is not seen in B." Most outstanding image among cited is the one on 18 Jan 1995 ($\lambda=047^\circ\text{Ls}$, $\delta=12.5"$) at $\omega=070^\circ\text{W}$, where Nilokeras is detailed and Juventae F is finely shot. Solis L is near the CM and Tithonius L is complete. A shadowy nuance inside the spc is attractive. DPK's work after opposition proved much more excellent, and was reviewed in the coming issue (#171) on the occasion of the 10th Anniversary of the CMO on 25 Jan 1996. DPK used the 41cm Newtonian equipped with a Spectra Source Lynxx PC cooled camera. Filters were first used Wr25, Wr58 and Wr47 (+IR rejection) while changed to Schott RG610, VG6, and BG10. The f number was 43 or 48.



LtE includes letters from Alan HEATH (Aht) and Sam WHITBY (SWb): Aht sent us several old photos of telescopes and his observatory (around 1963) which were published later in CMO and are now uploaded in the CMO-Web. He wrote "I am afraid I now look much older than on the print but time passed by!" (20 June 1995). SWb contributed to us a total of about 80 drawings during the 1994/95 apparition.

OAA Mars Report dealt with the evening observations during the period from 16 June 1995 ($\lambda=113^\circ\text{Ls}$, $\delta=6.1"$) to 15 July 1995 ($\lambda=126^\circ\text{Ls}$, $\delta=5.3"$): A total of 45 drawings were reported from ISHADOH (Id, Okinawa), IWASAKI (Iw, Saga) and Mn (Otsu and Fukui). The npc was chased by three from to the north of Utopia to its return on 15 July: Because of the movement of the rainy front, Id restated from 5 July, while Mn were unable to observe at the first half of July. Iw at Saga, Kyushu was between the two. The rainy season ended around 20~25 July at Fukui. The Report also described the observations by SWb in March, April and May 1995 as well as several observations from the Arbaitzskreis Planetenbeobachter (sent from W MEYER, WFS).

Final pages are a reproduction of Mk's trip diary concerning the days on the occasion of the OAA Convention held at Fukui in 1994 Summer (to be concluded in the following issue). (Mn)

● · · · · · **Date: Tue, 05 July 2005 12:52:55 +0200**
Subject: Re: mars from 4.7.2005

Dear Masatsugu, Normally we have no "rainy season" in Germany, July should be together with August the driest and hottest part of the year, but this year it seems it is just raining all days, ore having clouds on the sky.

Since I had heard first time from "Deep Impact Mission" (1,5 month back), I tried to take a CCD-Picture from Temple 1, but only on 3.7.05 we had clear sky to take a picture of the comet before the impact. Unfortunately we have just 30 minutes between end of dawn and the time, the comet sinks into the trees at western horizon... And in this short time we had to put our ST6 on our 16" Newton, find the sharpnes point, find the comet and start to expose... The comet is so dark and close to the horizon, that we don't see it with eye in our 16" Newton, we had to go with "starhopping" from Spica to the position and take "blind" 5 or 6 exposers until we got the comet on the small chip of the ST6 CCD-Camera...

At least we were successful and got the comet. That night was great, the sky was so clear and the transparency was so high, that I could take also a picture of M51 and the new Supernova with my Webcam later on! I was really surprised, that I saw the spiral arms on my Display and the supernova was on each picture clearly visible... This was the first time that I could use 60 seconds exposertime with my Webcam...

Normally I can see Mars 2 hours after theorectically rising, but this night I saw him 45 minutes after rising. A bright, deep orange star on nearly black sky over the eastern horizon :-))...

Yesterday we had a strong thunderstorm with "falling trees" and "flying rooftops". Terrible! At dawn, the clouds went eastwards and we tried to get a picture of the comet. But the clouds came back and so our picture was shot through thin clouds and we cannot use the picture for a light curve...

I belive, the weather in Europa is changing. It is not known to everybody, that at the North Atlantic Ocean there is also a "el Nino" phenomena. The water temperature is changing to warmer and so more water goes into the atmosphere and send clouds eatwards over France, England and Germany. In the last 10 years we had too

much rain and a lot of Hurrricanes (so much Hurrricanes as the entire 100 years before!) and in Spain and Portugal they got new deserts, there it rains no more, so the rivers and lakes fall dry, the animals had nothing to drink and die...

I noticed, that some of my pictures in 2003 showed a few artefacts after sending by e-mail. Can I send you .png pictures? There I never got artefacts.

With best wishes

○ · · · · · **Date: Tue, 05 July 2005 14:13:51 +0200**
Subject: supernovapicture

Dear Masatsugu, here my Supernovapicture:
 40×60 sec. with the 7" Starfire, focal length reduced by 0.5 Shapleylens to 900 mm, and a lot of picture processing... with best wishes

○ · · · · · **Date: Wed, 06 July 2005 10:09:30 +0200**
Subject: Re: mars from 4.7.2005

Dear Masatsugu, dear Mr. Murakami,

> I suppose there may be a difference between the original image on
 > your hand and the actual uploaded image. So please try to send your
 > Mars image in .png file and then we will show how different or not
 > on the Web.

ok, here my mars as .png file :-))...

With best wishes

○ · · · · · **Date: Wed, 06 July 2005 20:47:46 +0200**
Subject: Re: mars from 4.7.2005

Dear Masami,

> How do you find any difference on the images on the Web Pages?
 > I hope you will give us your impression,

I took screenshots of both Websites, cut off the 2 colored Mars pictures and put them together into a new picture and named them.

The jpg Mars shows without enlargement 2 dark lines from top to down, a bright white spot right of the spc and a weakly white spot on the left side of the left dark line. If you use enlargement, you will see a third dark line near the terminator on the left side on Mars...

Do you see the difference? It is not very much remarkable, but if you take a critical view, you should see it...

○ · · · · · **Date: Sun, 10 July 2005 07:38:13 +0200**
Subject: mars from 9.7.05

Dear Masatsugu, dear Masami, here my mars from 9.7.2005 at 3:20 GMT. This is the first time, that I saw such a bright morning limb. It was clearly visible with 5 mm ocular, and on my single pictures it was brighter than the spc! with best wishes

○.....Date: Sun, 10 July 2005 08:38:50 +0200
Subject: mars from 10.7.05

Dear Masatsugu, dear Masami, here my mars from 10.7.05 at 3:00 GMT

The brightnes of morning limb is lower, but still visible. 7" Starfire, focal length with 3× Barlowlens ~ 4,2 meter, IR-UV cut (B+W). with best wishes

○.....Date: Thu, 14 July 2005 19:20:02 +0200
Subject: mars from 14.7.05

Dear Masatsugu, dear Masami, this is my Mars from today. Seeing was average (5/10)... with best wishes

○.....Date: Sun, 17 July 2005 14:23:16 +0200
Subject: mars from 15.7.2005

Dear Masatsugu, dear Masami, this is my Mars from 15. July 2005 on 04:40 GMT. Webcam 740 Pro with UV-IR-Cut (B+W), Transparency 4/10, Seeing 5/10, thin cirrus clouds... with best wishes

Silvia KOWOLLIK (シルビア・イア・コウ・オック Stuttgart 徳)
sjkowollik@t-online.de

●.....Date: Tue, 05 July 2005 13:52:21 -0400
Subject: Re: This is Minami. CMO/OAA

Mr. Minami - Thanks for your e-mail.

Please, accept my apology. I always thought the CMO and ALPO - Japen are one and of the same group. Now, I realize you have nothing to do with the other group and it is a completely different organization. Now, I see it is not a branch of CMO. I'm sorry...

Occasionally, I get mixed up with the e-mails address of Japan of who I'm sending to. But, my intention is to send to the CMO. I assume your e-mail addresses are vzv03210@nifty.com and cmo@mars.dti.ne.jp. Please, let me know if that's correct, so I won't make the same mistake in the future.

Of course, the CMO issue is very valuable for many Mars observers and I always read it when it comes in the mail. In fact, I still have the CMO's back in 1990 when I first joined the group! Sincerely,

○.....Date: Thu, 21 July 2005 07:12:36 EDT
Subject: Mars: July 21, 2005

Hi! I am attaching my latest image of Mars July 21, 2005 to be posted. Thanks,

○.....Date: Thu, 21 July 2005 13:42:24 -0400
Subject: Re: Mars: possible dust event near Hellas

Dear all - I have been reading about a possible dust in

Hellas.

OK, here is my image of Mars from this morning July 21st at 10:04 UT. It was already half an hour after sunrise! It was taken about an hour and half after Sean Walker's image.

<http://hometown.aol.com/frankj12/mars2005index.html>

I was a little suspicious too of a possible dust when I was imaging. Then, it could be the contrast effect or a ground fog but Hellas always bright. But, brighter than the SPC???

I am waiting to hear the report from the west coast observers or just to wait and see for a couple of days.

Please, let me know what you think.

Frank J MELILLO (フランク・メリッ NY 美)
FrankJ12@aol.com

●.....Date: Tue, 05 July 2005 15:31:19 +0900
Subject: Re: #306 発送のお知らせ

CMO#306は、昨日クロネコメール便で届きました。私は個人的にはヤマト運輸は信用できない、という考えなのですが、切手貼りの労力なし、コストも2/3であれば、致し方ないでしょう。

九州北部は空梅雨で水不足と思ったら、一転して大雨。現在福岡地方に大雨・洪水警報が出されていて、私の事務所も注意体制に入っています。体制要員は順番でこのまま続けば、17時以降も私と係長の二人が残る番です。

岩崎 徹 (Tohru IWASAKI 小倉 KitaKyushu)
iwasaki-t8910@qsr.mlit.go.jp

●.....Date: Thu, 7 July 2005 18:48:21 +0800
Subject: Re: #306 発送のお知らせ

『火星通信』を毎号確実にいただいております。ありがとうございます。ところで、今後『火星通信』の送り先は、下記のとおりに変更して下さい。

郵便区号10353
台湾台北市大同区太原路155号12楼之5

今後私は台北市に住むことが多くなります。今も台北市の住所でこのe-mailをタイプしています。E-mail addressは今までどおりでよろしいのですが、一年前からちょっと簡略されました。すなわち、以前はlaiwy@tpts5.seed.net.twだったのが、約一年前からlaiwy@seed.net.twと簡略されました。ただし今までどおりのaddressでも、今後ともまちがいなく送受信できます。

台北市の住所のFAXの番号は+886-2-2549-1717です。最初の三桁の数字886は、台湾の国番号です。

日本では郵便局を民営化する問題で、ずいぶん騒いでいるようですが、台湾では三年ほど前にすんなりと民営化してしまいました。台湾の鉄道は今でも国営ですが、現在建設中の新幹線は民営です。

今のところ、私はまだぴんぴんしています。このメールを差し上げるにあたって、念のため家内にたのんで蔡章獻氏へ電話をかけさせました。幸い元気な声で、5月と6月との二回上海へ行ったよとの話しでした。ただし、杖をついているそうです。

台北市の住所で使っているパソコンは、台湾版の Windows XP Homeを使っていますが、これで日本語用にも英語用にも使えます。ではこれで。

追伸:このメールは、私のもう一つの e-mail address を使って発信することになります。台北市の住所で使っているパソコンがそのように設定されてあるからです。このaddressは公開しないでください。公開すると、やがて広告メールがたくさんはいつてきて面倒になりますから。ただし、南さんが私にメールをくださるときに、お使いになるのは差し支えありません。頓首

賴 武揚 (W.-Y LAI 臺北 Taiwan)
laiwy@seed.net.tw

●.....Date: Sun, 10 July 2005 21:40:31 +0200
Subject: Fw: Mars 2005/7/10 Richard Bosman

Good evening, Mars this morning 2005/7/10 03h19 UT (05h19 MEZT) daylight. And an older one on 2005/7/2 Regards

Richard BOSMAN (リチャルト・ボスマン Enschede 荷蘭)
http://www.astrofotografie.nl/
richard@astrofotografie.nl

●.....Date: Sun, 10 July 2005 20:11:32 -0700
Subject: DBA070905b

Sir, I would like to submit this Image to your website. Do you need additional info? Another image format?

○.....Date: Mon, 11 July 2005 08:36:03 -0700
Subject: RE:DBA070905b

Masatsugu, I am not sure about some of these numbers
The information for image DBA070905b:
Observing site Latitude: 34 Deg 04 min 56 sec north
Longitude: 82 deg 15 min 16 sec west
Telescope: 13" newtonian reflector using eyepiece pro-

jection to yield about f/55
Camera: Phillips TouCam 740 Filter: no
Date/Time: July 9, 2005 9:40 gmt

Hopefully this will help.

David ANDERSON (デヴィッド・アンダーソン SC 美)
saiph4@yahoo.com

●.....Date: Mon, 11 July 2005 20:07:42 -0500
Subject: Re: RE:Re: RE:Re: CMO 304

Dear Masatsugu, I apologize for not being a better correspondence of late.

I have not yet done much direct observing of Mars, and so am glad to receive the regular reports of the CMO, which are definitive. I was very glad that our good friend Nakajima-San had the opportunity to visit the Brera Observatory in May. I still hope that one day we may see a publication including Schiaparelli's impressive drawings, which are, as he noted, beautiful and far beyond any printed ones; his canali do look quite natural when drawn by a light pencil.

I am hoping to visit Brera again, and meanwhile I am hoping to publish an account, written by my good friend Luigi Prestinzenza, of the last observations of Mars made by the great man.

I returned from Boston not a week ago, and spent some time at the Houghton Library reviewing materials from the private correspondence of Percival Lowell. There are interesting letters he posted from Japan, and they created a spirit of nostalgia in me given my own affections for the country I so rewardingly visited in the spring of 2004.

I am beginning to think more often of the upcoming opposition, and of your impending visit to our shores -- I hope your health has improved to the point where such a trip will be possible, and let me know if you are still planning to come, I will begin to finalize our arrangements. My very best, yours,

Bill SHEEHAN (ウィリアム・シーハン MN 美)
sheehan41@charter.net

●.....南政次先生、何時も『火星通信』を御恵送下さり誠に有難うございます。

以前圓山天文臺にいた陶蕃麟さんは05年五月5日附けで停年退職しました。今後は陳正鵬さんの後を継いで臺北天文協會の仕事をやるそうです。

阮國元は天文科学館を辞めて何もしていません。その前に圓山天文臺を取り壊しました。理由として地質が悪く危険だとウソばかり言っていました。25cmは故障とって使っていません。部品がなくなったようです。今は20cmクーデを使っていますが、望遠鏡で星を探して見たい人には人気がないようです。新造のドームは雨漏りがひどくて、雨の日はシートを被せ、見学すら不能です。星座の話も少なくなり、カナダ製のオムニマックスの映画だけは好評ですが、観測するものが居なくては駄目です。

一、二階の展示は日本の国立天文臺のかたが来て、日本よりも新しいと褒めていました。

臺灣に何十年も通っていた牛山さんはこちらで展示物などを造ってだぶ儲けたのですが、大陸の天文館の仕事をやって失敗し、東京の会社も潰れてしまった由で、気の毒に思っています。

ではお元気で頑張ってください。(11七2005消印)

蔡 章 獻 (Chang-Hsien TSAI 臺北 Taiwan)

●.....Date: Tue, 12 July 2005 09:05:53 -0700
Subject: The comet crash into Temple 9

Greetings: Here are my images of the great comet collision on July 04 UT. They were taken with my 16" Dob and Stella cam camera w/an equatorial platform. The conditions were dark and clear at my 6800' cabin on the Mogollan (muggy-on) Rim.

The camera takes two second images and displays them on screen. I have a video to AVI box that saves digital movies to my laptop. I saved 60 second movies for each of the four images, (resulting in 30 single 2 sec images) and combined them with K3CCD tools.

The comet was visual in the eyepiece once darkness came. In fact it was visible with a 50mm camera lens and the Stellacam.

At any rate, the equatorial platform is great for visual deep sky, but not that great for imaging! One needs fine motion controls in Az. and Alt. besides the equatorial control. Couple that with two pine trees that hid the actual event, field rotation, hot pixels(the streaks are hot pixels and poor tracking), and well, you the get the idea. I am thankful for what I got.

I took two images before and after the event. The images are named for the actual local times of the event.

(21:44:24, 21:49:18, 23:09:22, 23:27:52). Approximate impact time was 22:53 I believe. The comet definitely brightened in the before and after shots.

○.....Date: Tue, 19 July 2005 09:42:35 -0700
Subject: Mars - July 15, 2005

All: Here are my latest Mars images before the weekend. Seeing was poor for these. Monsoons have begun, so imaging will be tough the next couple of months. Thanks

○.....Date: Thu, 21 July 2005 10:34:39 -0700
Subject: Mars - July 20, 2005

All: Here is another Mars image taken under poor seeing conditions. Hot, humid, breezy, and partly cloudy. Hard to get a good focus. We've had stormy evenings the past four nights, so hopefully I get a break soon.

Thanks

○.....Date: Fri, 22 July 2005 11:38:58 -0700
Subject: Mars - July 22, 2005

All: Lots of cirrus clouds and humidity this morning as I imaged through it all. Seeing a touch better than on the 20th, but not by much. I am only getting 60 - 70 good images in these. I wish I could get more, the resolution is there, but too much noise for my taste.

At any rate I boosted my image output by adding a Luminance and an IR image to try to coax some dust to show up around Hellas. All I can say is there may be some minor activity in the area, but I see as much cloud activity as I do dust. Compared to my image on the 20th of July, I see little if any obscuration by dust. It looks like one might see some shadow on the preceding side of Hellas, but better images are needed to be sure. I must keep telling myself that a few years ago I would not even have been imaging Mars at this diameter! I should feel lucky. Thanks

David MOORE (デーヴ・ムーア Phoenix, AZ 美)
davidpaulamoore@msn.com

●.....Date: Mon, 18 July 2005 07:25:37 +0900
Subject: セブ出向

南様、おはようございます。先月末に日本に戻り、本来の体調に回復しました。ただ梅雨の天気に関東地方では曇りが続いて火星が見られない状態でした。

さて、明日の19日から業務命令でセブ島へ出かけることになりました。今回の滞在期間は年末ま

での五ヶ月の予定で、帰国はクリスマス前後です。従って前からアメリカ行きは残念ながら断念せざるを得ません。小さな会社で要員がいませんので仕方ありません。いろいろお手をかけながらも一緒に行くことが出来なくなってしまいました。ごめんなさい。リック天文台での火星観測の成功をセブ島から祈っています。

今回の滞在はと今まででは最長の五ヶ月となり、ホテルの西側テラスから星が少しでも見られるように自前のC-8を持参します。赤道儀は重いので別便で送ります。ホテルからは天頂から西側が観測可能です。今後の火星を少し撮る心算です。天頂以前の観測はChris宅で前回同様、お願いしていますが週末だけしか出来ません。ホテル屋上が使えるよう交渉を考えています。屋上はホテルのオーナーが住んでいますのでスペースが得られるかは疑問ですがね。

今後はセブ島滞在が長くなりそうです。セブからの画像は出来る限り送る心算ですのでよろしくお願いします。

阿久津 富夫(Tomio AKUTSU セブ The Philippines)
tomioccd@yahoo.co.jp

(註) Tomi AKUTSU stayed at home (Tochigi Pref, Kwanto district) from the end of June to 18 July, but during his short stay he could not catch the planet Mars because of the rainy season. He was then dispatched to the Cebu island, Philippines, again from 19 July. This time he was ordered (by the company for which he works) to stay there until the end of this year. (Ed)

●.....Date: Mon, 18 July 2005 14:36:11 +0200
From: "Paolo R. Lazzarotti" To: Damian Peach
Subject: Re: Mars images (July 17th.)

Hi all, For the first time, myself, yourself and Christophe have imaged Mars at the same time!! :-oo
The dark patches pointed out by Chris can be studied in depth. But I must say I just had poor/fair conditions here so I'm not sure about the result...

Paolo LAZZAROTTI (パオロ・ラッサ・ロッチェ Massa 義)
paololazzarotti@astromeccanica.it
http://www.astromeccanica.it
http://www.paololazzarotti.com

●.....Date: Mon, 18 July 2005 11:02:04 -0400
Subject: Re: Mars images (July 18th.)

All, I will be out of town for a week or so. Please cease

sending me images because my mail box will be full and very slow upon my return. I can retrieve your images at will via several Internet sites, i.e., Mars Watch, ALPO, OAA, Yahoo, etc.

Jeff BEISH (ジエフ・ヒーシュ Lake Placid, FL 美)
dustymars@tnni.net

●.....Date: Mon, 18 Jul y2005 13:51:09 +0900
Subject: 火星07月17日

柚木です。火星07月17日の報告です。Solis Lacusの西の周辺部がモニター上ではやや明るく感じました。宜しくお願いします。

柚木 健吉 (Kenkichi YUNOKI 堺Osaka)
yunoki@pop06.odn.ne.jp

●.....Sent: Monday, July 18, 2005 11:13 PM
Subject: MARS drawing 15 July !!!

Date (UT): 15 July 2005 Time (UT) 03:07h
CM: 187°W De: -21°- Ls: 250°Ls
Telescope Schmidt-Cassegrain 280 (f/10 - f/25)
Magnification: 330× / 350×
Filters: Schott:OG 550 orange, Wratten: W6 blue/green
Zeiss: VG 6 green W 80a blue W 85 'salmon'
Station: Hattstatt 7°18' (E) / 48° 01' (N)
Observing notes:

> - A white cloud in the AUSONIA (1)

> - ELYSIUM clouds (2)

> - Isolates SPOTS on the edge of the SPC

Gérard TEICHERT (ジエール・タイシエルト Hattstatt 法)
gteichert@hotmail.com

●.....Date: Thu, 21 July 2005 15:38:02 -0500
To: marsobservers@yahoogroups.com
Cc: vzv03210@nifty.com, cmo@mars.dti.ne.jp
Subject: Mars July 19th 10:59 UT

Here is an image of Mars taken at 10:59 UT on July 19th 2005 from Houston Texas.

C14 at f/27,taken with a ST402 CCD. Seeing 8/10, transp 4/10, cirrus clouds.

http://www.ghg.net/egrafton/m7-19-05.jpg

○.....Date: Fri, 22 July 2005 07:51:33 -0500
To: marsobservers@yahoogroups.com
Cc: vzv03210@nifty.com, cmo@mars.dti.ne.jp,
RMckim5374@aol.com
Subject: Mars July 22nd 11:03 UT

Here is an image of Mars taken at 11:03 UT on July 22nd 2005 from Houston Texas. C14 at f/27,taken with a ST402 CCD. Seeing 7/10, transp 7/10.

http://www.ghg.net/egrafton/m7-22-05.jpg

Ed GRAFTON (エド・グラフトン Houston, TX 美)
egrafton@ghg.net

●.....Date: Thu, 21 July 2005 16:42:21 EDT
 From: RMckim5374@aol.com
 To: swalker@SkyandTelescope.com,
 thefamily90@hotmail.com
 Subject: Re: Mars: possible dust event near Hellas

Dear Sean, A slight amount of airborne dust over Hellas, especially the north part, is typical at this season. Seeing it at the limb gives a greater optical depth so that any trace of dust will be accentuated and appear visually yellowish. With large storms the whole limb of the planet may be tinted. As other correspondents already noted, the key thing is whether the region is very bright at the CM. I have been away from my email for two weeks but it appears that all is normal.

I hope you will send the BAA any other images you get. With regards

Richard MCKIM (理查・麥肯 Peterborough 英)
 Director, BAA Mars Section
 RMckim5374@aol.com

●.....Date: Thu, 21 July 2005 23:33:59 +0900
 Subject: 7月20日GMTの火星画像

CMO 村上さま、当地は16日に梅雨明けしましたが、夜はなかなか晴れてくれませんでした。今朝ようやく画像を得ることができましたので、お送りさせていただきます。

二時間のうちに得た17画像の中の5画像です。雲が通ったり、気流のムラなどで、撮像の間隔が一定にならなかったのが残念です。

シー・エム・オー・フクイ

中島 孝 Nj

★ 残念ながら今回はカンパがありませんでした。不一

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

『火星通信』#307 (25 July 2005)

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)

☆ Usual mails to CMO are acknowledged if addressed to

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

e-mail: vzv03210@nifty.com

〒913-0048 福井県坂井郡三國町緑ヶ丘3丁目6-74 南 政次 (☎/FAX 0776-82-6222)



松本 直弥 (Naoya MATSUMOTO 佐世保 Nagasaki)
planetm@sat.bbiq.jp

●.....Date: Thu, 21 July 2005 10:02:10 -0400
 Subject: Mars Observation by John Barnett

Date: 21 July, 2005; Time: 0855 to 0910 UT

Telescope: 7" f/15 Refractor; Magnification: 270, 540×
 Filters: Orange, Light Blue
 Seeing (0-10): 8 ; Transparency (0-6): 4
 Location: Richmond, Va, USA ;
 Richmond Astronomical Society (Ragland Observatory)
 Data: Ls= 253°; Diam= 10.5arc-sec ; De= -19.8° ;
 LCM: 213 - 217°W.

Notes: SPCap bright but quite shrunken (from my previous view on 6 June). Blue filter indicates some white cloud/polar hood near North Polar area. Tritonis Sinus distinct from Tyrrhenum Mare. Hesperus barely distinct. Sky partly cloudy, clearing toward dawn. Very humid air, temperature 75°F. Clave 10mm plossl used at 270×, then barlowed to 540× for best view.

John BARNETT (ジョン・バーネット Va 美)
jmbart2@verizon.net

●.....Date: Sat, 23 July 2005 20:53:42 -0500
 Subject: Mars image on 22 July

Hello again from Ourense (Spain). Here is my first image of Mars with excellent seeing and my new optic tube (31cm spec). Best regards.

Camilo FUMEGA (カミロ・フメガ Ourense 西班牙)
C1F2U3@terra.es

☆☆☆