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# *CMO Mars Observations during the First Half of November 2005 from 1 November (316°Ls) to 15 November 2005 (325°Ls)*

## 2005年十一月前半(1 Nov～15 Nov)の火星面観測

南 政次 Masatsugu MINAMI

♂……This report treats the period from 1 Nov (λ=316°Ls) to 15 Nov (λ=325°Ls). The apparent diameter of Mars was δ=20.2" on 1 Nov, but went down to 19.2" on 15 Nov. The central latitude φ moved from 15°S to 17°S. During the period, the planet was at opposition on 7 Nov at around 7:50GMT. The apparent declination was at +15°54'. The phase angle was ι=06° on 1 Nov, but decreased to about 0.3° at opposition, and increased again to ι=07° on 15 Nov. On 8 Nov, *DE* and *Ds* became identical, and so some flares were expected from the area of Solis L but the sky did not allow us to observe (*Mk* organized a party at Tokyo on 5 Nov, but could not catch any flare).

今回は1Nov(λ=316°Ls)から15Nov(λ=324°Ls)迄の期間のCMO火星観測を扱う。1Novでδ=20.2"であったが、19.2"まで落ちた。φは15°Sから17°Sへと移った。この間、衝が7Nov7:50GMT頃に起こっている。位相角は月初めι=06°であったが、衝時にはι=0.3°邊りまで落ちた。その後再び増大し、15Novにはι=07°となった。衝の時の視赤緯は+15°54'であった。尚、8Novに*DE*と*Ds*が一致した。そこでMk氏を中心にピカリ現象検出の計畫が立てられたが、不成功に終わった。

♂……The observers contributed this time are as follows. 今回の觀測報告者は次の如くである。

**ADELAAR, Jan ヤン・アデラール (*JAd*)** 尼德蘭 Arnhem, Nederland
1 Set of CCD Images (2 November 2005) *f*/34⊗23cmSCT with a ToUcam

**AKUTSU, Tomio 阿久津 富夫 (*Ak*)** 栃木 Tochigi, Japan*→菲律賓 Cebu, the Philippines
3 Sets of CCD* + 2 Colour CCD Images (1*, 8 November 2005)
*f*/20⊗32cm spec with BJ41* | *f*/28⊗20cm SCT with ToUcam

**ALDERWEIRELDT, Tom トム・アルデルヴァイレルト (*TAl*)** 比利時 's-Gravenwezel, Belgium
1 Colour CCD + 1 Set of CCD Images (7, 14 November 2005)
*f*/33⊗35cm SCT with ToUcam pro

**AMADORI, Vittorio ヴィットリオ・アマドリ (*VAm*)** 義大利 Valvestino, Italia
2 Colour CCD +2 *R* Images (10 November 2005) 20cm spec with Vesta Pro

**ANDERSON, David デヴィッド・アンダーソン (*DAd*)** 南卡羅萊納 nr Greenwood, SC, USA
3 Sets of CCD Images (6, 8, 12 November 2005) *f*/38,44⊗40cm spec with ToUcam 740

**ARDITTI, David デヴィッド・アーディッチ (*DAr*)** 英國 Stag Lane, Edgware, G London, UK
3 Sets of CCD + 7 Colour CCD Images (4, 4/5, 7, 10, 12, 13/14 November 2005)
*f*/30⊗25cm D-K Cass with ATK-1HS II

**ASADA, Tadashi 淺田 正 (*As*)** 福岡・宗像 Munakata, Fukuoka, Japan

4 Sets of CCD Images (12 November 2005) 30cm SCT with a Lu075M

**BEISH, Jeffrey D ジェフ・ビーシュ (*JBs*)** 佛羅里達 Lake Placid, FL, USA

7 Drawings (1, 4, 7, 10, 11, 13, 14 November 2005) 335, 500, 1005×41cm *F*/6.9 spec

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

5 Colour Drawings (4, 5, 8, 10, 11 November 2005) 700×41cm speculum

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

2 Sets of CCD Images (5, 9 November) 28cm SCT with an ATK-2HS

**BUDA, Stefan スティーファン・ブダ (*SBd*)** 墨爾本 Melbourne, Australia

2 Sets of CCD +1 C Images (1, 5, 13 November 2005) *f*/30, 35⊗40cm D-K with ToUcam 740

**BUNGE, Robert ボブ・バンジ (*RBg*)** 馬里蘭 Bowie, MD, USA

2 Drawings (3, 6 November 2005) 212×13cm *F*/10 spec

**CHAVEZ, Rolando ロランド・チャヴェス (*RCv*)** 喬治亞 Powder Springs, GA, USA

10 CCD Images (3, 4, 7, 8*, 12* November 2005)
*f*/38⊗25cm *F*/12.5 Mak-Cass | *f*/36⊗31cm Cave spec* with a ToUcam 840

**COLVILLE, Brian ブライアン・コルヴィル (*BCl*)** 安大略湖 Ontario, Canada

1 Set of CCD images (12 November 2005) *f*/47⊗31cm SCT with an ATK-1HS

**COOPER, Jamie ジェミー・クーパー (*JCp*)** 英國 Northampton, UK

3 CCD Images (12, 13 November 2005) *f*/35⊗36cm SCT with a modified ToUcam

**DeGROFF, Kent ケント・デグロッフ (*KGr*)** 亞利桑那 Scottsdale, AZ, USA

18 Colour CCD Images (2, 4, 5, 6, 8, 11, ~14, 15* November 2005)
*f*/62⊗25cm spec | *f*/76⊗20cm spec* with ToUcam 740

**DICKINSON, William H ビル・ディキンソン (*WDc*)** 維吉尼亞 Glen Allen, VA, USA

4 Colour CCD Images (3, 9, 12 November 2005) *f*/30⊗20cm SCT with a ToUcam Pro II

**FATTINNANZI, Cristian クリスチアン・ファッティンナンツィ (*CFt*)** 義大利 Macerata, Italia

1 CCD Image (12 November 2005) 25cm spec with Vesta Pro

**GRAFTON, Edward A エド・グラフトン (*EGf*)** 德克薩斯·休斯敦 Houston, TX, USA

4 Sets of CCD Images (2, 3, 7, 10 November 2005) *f*/39⊗35cm SCT with an ST402

**HEATH, Alan W アラン・ヒース (*AHt*)** 長伊頓 Long Eaton, Nottingham, UK

2 Colour Drawings + 5 Drawings + 13 Notes (2, 6, 9, 11, 12, 13, November 2005)
200×20cm SCT|180×25cm speculum

**HEFFNER, Robert ロバート・ヘフナー (*RHf*)** 名古屋 Nagoya, Aichi, Japan

3 Colour CCD Images (7, 12 November 2005) *f*/50⊗28cm SCT with Lu075C

**HERNANDEZ, Carlos E カルロス・ヘルナンデス (*CHr*)** 佛羅里達·邁阿密 Miami, FL, USA

4 Colour Drawings (3, 7, 8, 11 November 2005)
250, 300, 390×23cm *F*/13.5 Maksutov-Cass

**HIDALGO TORTOSA, Emilio エミリオ・ヒダルゴ (*EHd*)** 西班牙 La Carolina, Jaén, España

1 Set of CCD +2 Colour CCD + 4 *IR* Images (1/2, 2 November 2003)
*f*/50⊗30cm Dall-Kirkham, ToUcam

**HIGA, Yasunobu 比嘉 保信 (*Hg*)** 沖縄・那覇 Naha, Okinawa, Japan

4 Colour CCD Images (2, 4 November 2005) 25cm *F*6.7 spec with Sony VX2000

**HUNTER, David デーヴ・ハンター (*DHn*)** 英國·約克 York, Uk

1 CCD Image (13 November 2005) *f*/35⊗25cm *F*9.4 spec with a mono ToUcam

**IWASAKI, Tohru 岩 崎 徹 (*Iw*)** 小倉 KitaKyushu, Fukuoka, Japan

4 Drawings (12 November 2005) 400×21cm speculum

**JUSTICE, Mark マーク・ジャスティス (*MJs*)** 墨爾本 Melbourne, Australia
2 Colour CCD Images (3, 5 November 2005) *f*/40⊗25cm D-K with ToUcam 840

**KARRER, Michæl ミハエル・カッレル (*MKr*)** 奥地利 St Radegund, Österreich
2 Colour CCD Images (8, 9* November 2005)
*f*/44⊗18cm Refraktor | *f*/22⊗44cm spec* with a DBK 21AF04

**KOWOLLIK, Silvia シルヴィア・コヴォッリク(*SKw*)** 德國 Ludwigsburg, Deutchland
66 Colour CCD Images (6, 6/7, 7/8, 8/9 9, 11, 12, 13 November 2005)
*f*/41⊗15cm spec with a ToUcam 740

**KUMAMORI, Teruaki 熊森 照明 (*Km*)** 堺 Sakai, Osaka, Japan
18 Colour CCD Images (1*, 3*, 4, 5, 7, 8, 12 November 2005)
*f*/88⊗20cm Dall-Kirkham with a ToUcam | *f*/50⊗60cm Cass* with an ATK-2C
*ソフィア堺天文臺 Sakai City Observatory

**LAU, Canon 劉 佳 能 (*CLa*)** 香港 Hong-Kong
15 Colour CCD +1 *IR* Image (2, ~6 November 2005) *f*/32,59⊗36cm SCT with ToUcams

**LOMELI, Ed エド・ロメリ (*ELm*)** 加利福尼亞 Sacramento, CA, USA
1 Set of CCD Images (13 November 2005) 23cm SCT with a ToUcam Pro

**MASSÓ MILLEURO, Félix フェリックス・マッソ (*FMr*)** 西班牙 La Coruña, Galicia, España
1 CCD Image (6 November 2005) 21cm Dall-Kirkham with Quickcam 3000

**MELILLO, Frank J フランク・メリッロ (*FMl*)** 紐約 Holtsville, NY, USA
8 Colour CCD Images (1, 3, 5, 9, 13, 15 November 2005) *f*/20⊗20cm SCTwith a ToUcam

**MINAMI, Masatsugu 南 政 次 (*Mn*)** 福井 Fukui, Fukui, Japan
49 Drawings (1, 2, 4, 5, 10, 12, 13, November 2005) 400×20cm Goto ED refractor*
*Fukui City Observatory 福井市自然史博物館天文臺

**MOBBERLEY, Martin P マーチン・モッバーレィ (*MMb*)** 英國 Cockfield, Suffolk, UK
5 Sets of CCD Images (4, 6, 9, 12*, 13* November 2005)
*f*/50⊗25cm *F*/6.3 spec | *f*/43⊗36cm SCT* with Lu075M

**MORITA, Yukio 森田 行雄 (*Mo*)** 廿日市 Hatsuka-ichi, Hiroshima, Japan
10 Sets of *RGB*+*IR* Images (1, 4, 7 November 2005) 25cm spec with an ST-5C

**MURAKAMI, Masami 村上 昌己 (*Mk*)** 藤澤 Fujisawa, Kanagawa, Japan
12 Drawings (1, 2, 9 November 2005) 320, 400×20cm *F*8 speclum

**NAKAJIMA, Takashi 中 島 孝 (*Nj*)** 福井 Fukui, Fukui, Japan
41 Drawings (1, 4, 5, 8, 10, 12, 15 November 2005) 400×20cm Goto ED refractor*
* Fukui City Observatory 福井市自然史博物館屋上天文臺

**NARITA, Hiroshi 成 田 廣 (*Nr*)** 川崎 Kawasaki, Kanagawa, Japan
38 Drawings (1, ~5, 7, 9, 10, 12, 13 November 2005) 400×20cm Astro ED refractor

**OKANO, Kunihiko 岡野 邦彦 (*Ok*)** 東京 Setagaya, Tokyo, Japan
2 Sets of CCD Images (4 November 2005) 31cm *F*/5 spec with an ST-402XME

**PARKER, Donald C ドン・パーカー (*DPk*)** 佛羅里達·邁阿密 Miami, FL, USA
1 Set of CCD Images (9 November 2005) *f*/60⊗41cm *F*/6 spec with an ST9XE

**PARKER, Timothy J ティム・パーカー (*TPk*)** 加利福尼亞 LA, CA, USA
2 Colour CCD Images (6 November 2005) 23cm SCT with a Flea Firewire camera

**PEACH, Damian A デミアン・ピーチ (*DPc*)** 英國 Loudwater, Buckinghamshire, UK
7 Sets of CCD Images (3, 6, 9, 12, 13 November 2005) *f*/40⊗35cm SCT with Lu075

**PELLIER, Christophe クリストフ・ペリエ (*CPl*)** 法國 Noisy-le-Grand, France
8 Sets of *RGB* + 3 *IR* +2 *B* Images (4, 5, 6, 9, 13 November 2005)
*f*/53, 65⊗21cm Mewlon with Lu075M

**PHILLIPS, Jim ジム・フィッリプス (*JPh*)** 南卡羅萊納 Charleston, SC, USA
2 Colour CCD Images (4, 12 November) 20cm TMB with an ATik Color

**ROEL SCHREURS, Eric エリック・ロエル (*ERl*)** 墨西哥 Mexico
6 CCD *C* or *R* Images (4, 12, 13 November 2005) 25cm TEC Mak with Lu075M

**San EMETERIO SANTOS, Francisco (*FEm*) フランシスコ・サン・エメテリオ** Sandanter, España
5 Colour CCD Images (6, 7, 10 November 2005) 18cm Maksutov with an ATiK 1C

**SÁNCHEZ PORTERO, Javier ハビエル・サンチェス (*JSz*)** 西班牙 Tenerife, España
9 Colour CDD Images (1, 2/3, 4, 7 November 2005)
*f*/37⊗20cm SCT with a ToUcam 840K

**SÁNCHEZ, Jesús R ヘスス・サンチェス (*JSc*)** 西班牙·科爾多瓦 Córdova, España
5 Colour CCD +1 *R* Images (1, 6*, 11/12* November 2005)
*f*/30,45⊗28cm SCT | *f*/40,50⊗18cm Mak-Cass* with a ToUcam/Quickcam pro 4000

**SCHULZ, Robert ロベルト・シュルツ (*RSz*)** 奥地利 Wien, Österreich
2 Sets of CCD Images (8, 11 November 2005) *f*/31⊗32cm spec with Lu075M

**SHARP, Ian イアン・シャープ (*ISp*)** 英國 West Sussex, UK
5 Colour CCD Images (9, 15 November 2005) *f*/48⊗20cm spec with ATiK-1HS

**SHERROD, P Clay クレイ・シャロド (*CSr*)** 阿肯色 Aso Sky Observatory, AR, USA
4 Colour CCD images (2, 3, 11 November 2005) *f*/24,32⊗40cm RC with a ToUcam Pro

**SIEGEL, Elisabeth エリサベト・シーゲル (*ESg*)** 丹麥 Malling, Danmark
4 Drawings (7, 8, 13, 15 November 2005) 330×20cm *F*/10 SCT

**TATUM, Randy ランディ・テータム (*RTm*)** 維吉尼亞·里士滿 Richmond, VA, USA
1 CCD Image (3 November 2005) 25 cm spec with a ToUcam Pro

**TEICHERT, Gérard ジェラール・タイシェルト (*GTc*)** 法國 Hattstatt, France
3 Drawings (6, 7, 11 November 2005) 330, 350×28cm SCT

**TYLER, David デーヴ・タイラー (*DTy*)** 英國 Flackwell Heath, Buckinghamshire, UK
8 Sets of CCD Images (4, 6/7, 9, 12, 13, 14 November 2005)
*f*/50⊗28cm SCT with Lu075

**VALIMBERTI, Maurice モーリス・ヴァリムベルティ (*MVl*)** 墨爾本Melbourne, Australia
3 Colour CCD Images (4, 5, 13 November 2005) *f*/27,34⊗35cm SCT with a ToUcam

**VANDEBERGH, Ralf ラルフ・ファンデベルフ(*RVb*)** 尼德蘭 Nederland
7 Colour CCD Images (1, 5, 8, 8/9, 13 November 2005) *f*/35⊗25cm spec with ATK-1HS

**WALKER, Sean ショーン・ウォーカー (*SWk*)** 馬塞諸薩 Methuen, Ma, USA
7 Colour CCD Images (1, 6, 9, 15 November 2005)
*f*/50, 60⊗18cm Maksutov-Newtonian with a ToUcam 740

**WARELL, Johan ヨハン・ヴァレッル (*JWr*)** 烏普薩拉 Uppsala, Sweden
3 Sets of CCD Images (12, 15 November 2005) 36cm *F*/15 refractor with ToUcam

**WARREN, Joel ジョエル・ウォーレン (*JWn*)** 德克薩斯 Amarillo, TX, USA
17 Sets of CCD Images (1, 2, 5, 6, 8, 11, 13, 14 November 2005) 20cm SCT with ToUcam

**WILLIAMSON, Thomas E トマス・ウィリアムソン (*TWs*)** 新墨西哥 Alburquerque, NM, USA
1 Colour CCD Image (2 November 2005) *f*/35⊗20cm spec with a ToUcam Pro

**ZURTUZA, Nacho ナチョ・スルトゥサ (*NZr*)** 西班牙 La Fresneda, Asturias, España
3 Colour Images (5 November 2005) *f*/30⊗20cm SCT with a ToUcam Pro

♂·····**Dust Persistence**: The last dust outstanding disturbance which was seen on 30 Oct (λ=315°Ls) at the area of S Meridiani to Aram still prevailed on 1 Nov (λ=316°Ls), but gradually subsided by 7 Nov (λ=320°Ls)

while the airborne dust suspended aloft was still existent and encircled the southern hemisphere until later. An excellent image by WALKER (*SWk*) made on **1 Nov (λ=316°Ls)** at ω=265°W shows that the conjunction of M Serpentis with S Sabæus has been weaker because of dust, and this is also shown on the image by WARREN (*JWn*) at ω=306°W. Mars then came down to Japan and the ccd observations were made by KUMAMORI (*Km*) at ω=344°W, and by AKUTSU (*Ak*) at ω=005°W, 016°W, 036°W as well as the visual observations by NAKAJIMA (*Nj*) and MINAMI (*Mn*) from ω=000°W(*Nj*), 005°W(*Mn*) until ω=117°W (*Nj*), and by MURAKAMI (*Mk*) from ω=010°W to ω=051°W. Due to the faintness of M Serpentis, the dust looked to go through Deucalionis R to Hellas (further up- ward). Further ccd work was done by MORITA (*Mo*) at ω=038°W, 046°W, 056°W, and these all showed that Margaritifer S was still washed out while Meridiani S had quite recovered. Visually there was witnessed dust cores inside Margaritifer S while Oxia P was evident to *Mn* at ω=014°W, 024°W (see *Ak*'s image at ω=036°W which is excellent and shows the details around the place). The area of Auroræ S looked rather normal and no dust streak along the lower place was seen. The area of Argyre was also vaguely dusty but weaker than that at S Margaritifer. **2 Nov (λ=317°Ls):** The dullness around M Serpentis is well shown on the image by GRAFTON (*EGf*) at ω=275°W. The area of Margaritifer S was chased at Fukui at ω=355°W, 005°W, 015°W (*Mn*) and noted still fainter, while *Mk* observed that the area had slightly recovered from the watching at ω=010°W~061°W. By ccd, HIGA (*Hg*) at Okinawa observed at ω=037°W, 060°W, and LAU (*CLa*) at Hong Kong at ω=050°W, 061°W, 082°W which all show the situation. *CLa*'s images do not suggest any further change to the west of Solis L, but well show that Nector and Geryon are quite broad and dark (due to the dust disturbance from 21 Oct). M Serpentis was still recovering on **3 Nov (λ=318°Ls)** when *Km* took at ω=328°W, 333°W, 337°W, 346°W, 350°W, 354°W, and then *CLa* followed ω=008°W, 018°W, 037°W, 050°W, 056°W and thus chased until Phasis. The area of Aonius S look distinguished, but this seems to be featured by the high-latitude expansion of the airborne dust aloft from the north of Argyre to the westward. On **4 Nov (λ=318°Ls)** we had a good seeing condition at Fukui, and started from ω=333°W(*Nj*), 338°W(*Mn*) and observed until ω=090°W(*Nj*), 095°W(*Mn*,19:00GMT): the dark band running from M Serpentis to M Erythræum was recovered and the dust floating to its south looked to invade the preceding area of Hellas. Margaritifer S was also quite recovered. Meridiani S was well visible as well as Brangæna. Rather on this day the higher latitude area including Argyre to its west looked dustier light than the mid-latitude dusty region. HIGA (*Hg*)'s images at ω=357°W, 017°W are excellent in showing the dusty atmosphere from Hellas to Noachis, and give us a nice ruddy impression of the northern deserts. The spc is well shot quite inside the disk (φ=15°S). *Km* also took at ω= 358°W, 004°W, and then *Mo* chased at ω=016°W, 020°W, 031°W, 039°W, 049°W. OKANO (*Ok*) also at ω=030°W, 037°W. *Mo*'s set of images at ω=039°W and *Ok*'s sets are quite excellent where the light and shade of Margaritifer S and the density of Thaumasia are well shown. *Ok*'s images show also a patch of dust near the spc to the south of M Oceanidum. On the day we also had good images by VALIMBERTI (*MVl*) at ω=022°W, and by *CLa* at ω=031°W. As will be stated below, the nph was interesting on the day against M Acidalium. On **5 Nov (λ=319°Ls)**, the present writer started from ω=314°W: The western swath of Hellas was rather bright but it was apparent the airborne dust had covered the area of Hellas area but the terminator did not show any particular bright area. Aeria looked slightly ruddy, and Oxia P was already seen near the morning side. At ω=324°W, Libya looked slightly whitish but not strong. At ω=334°W and 344°W, the east-northern bar portion of S Sabæus was of the darkest. Then came the two great and interesting sets of ccd images made by BUDA (*SBd*) and MIYAZAKI (*My*) though the descriptions are different: *SBd*'s image at ω=358°W and *My*'s images at ω=010°W, 020°W prove clearly the low modulated expansion of dust from Hellas to Noachis. These and other excellent images by *CLa* at ω=006°W~047°W on the day show the details of Margaritifer S to Auroræ S. *CLa*'s images on **6 Nov (λ=320°Ls)** at ω=028°W are also of high quality, and seem to prove that the dusty area of Margaritifer S had come to be stable (fallout?). On **7 Nov (λ=320°Ls)**, *Mo*'s images at ω=353°W, 004°W and HEFFNER (*RHf*)'s image at ω=010°W well

suggest that Margaritifer S have recovered. On the day *Mo*'s B image at ω=354°W, 006°W show clearly the morning mist to the west of Argyre, and hence it was suggested that there was also possibility for the higher latitude dust belt is given rise to. In fact the circumpolar dust disturbance around M Oceanidum or its south observed on 4 Nov (λ=318°Ls) by *Ok* (as well as by *CLa* and *My* on 5 Nov) seemed to persist and vary until later as shown on the images on 12 Nov (λ=323°Ls) by PEACH (*DPc*) at ω=065°W, by TYLER (*DTy*) at ω=068°W, by MOBBERLEY (*MMb*) at ω=089°W, and also on 13 Nov (λ=324°Ls) by *DPc* at ω=066°W et al, while we don't here beat around bush, but it may be interesting to chase the dust variation at the south circumpolar region. The middle latitude regions however looked to have ceased to be furious: For the general dusty aspect of the region of Hellas to Noachis, refer to *My*'s nice image on 11 Nov (λ=322°Ls) at ω=326°W.

♂·····**Absence of the Equatorial Evening Cloud**: As previously notified, PELLIER (*CPl*)'s work on 17 Oct (λ=308°Ls) at ω=352°W showed an existence of water condensate quite inside near Edom, and it became a conspicuous evening cloud several hours later as observed by PARKER (*DPk*) at ω=050°W (MELILLO (*FMl*) also shot it on 19 Oct (λ=309°Ls) at ω=039°W). This period however, *CLa*'s image on 3 Nov (λ=319°Ls) at ω=050°W does not show the evening condensate as well as the images made on 13 Nov (λ=324°Ls) by *CPl* at ω=050°W, and by *DPc* at ω=066°W. This must have been caused by the expansion of the warmed airborne dust.

♂·····**Morning Syrtis Mj**: The Planet was near at opposition, and the early morning Syrtis Mj became to be caught: A fine narrow and blue-coloured Syrtis Mj beneath the morning mist was expected. The image by Jesus SANCHEZ (*JSc*) on 1 Nov (λ=316°Ls) at ω=233°W shows a morning mist behind Syrtis Mj, but not so evident on other following images like DICKINSON (*WDc*)'s on 3 Nov (λ=318°Ls) at ω=236°W, ROEL (*ERl*)'s on 4 Nov (λ=318°Ls) at ω=228°W et al. DeGROFF (*KGr*) had chances on 5 Nov (λ=319°Ls) at ω=228°W, on 6 Nov (λ=320°Ls) at ω=219°W, and on 8 Nov (λ=320°Ls) at ω=225°W. The last one may convey a delicate colour nuance of the morning Syrtis Mj but not definite. Such a fine and narrow Syrtis Mj that the present writer (*Mn*) detected previously at Lick when the phase angle was much larger (on 6 Oct (λ=301°Ls, ι=27°) and 7 Oct (λ=302°Ls, ι=26°) both at ω=212°W) cannot be found among the ccd image's limb side. At that time, the morning mist was away and the colour was not so impressive though tinted slightly greenish.

♂·····**Aryn's Nails and the SPC by SIEGEL**: Even on 15 Nov, the final day of the present period, the airborne dust was encircling almost all of the southern hemisphere, while it must have not been so thick around the equator belt. Fortunately on this occasion E SIEGEL (*ESg*) visually detected the two nails of Meridiani S on 15 Nov (λ=324°Ls, φ=17°S) at ω=015°W. She used 330×20cm SCT. This was the first time she detected so clearly during her long carrier since 1986. This year the planet has been high up even in Denmark (at this time at 45°), and on the day she was endowed with a good seeing condition. She also clearly detected the spc of λ=324°Ls.

♂·····**Opposition Effect on Olympus Mons**: Opposition approaching, the phase angle went down to ι=05° on 1 Nov. As noted previously, Montes which have slopes in mid-latitudes are to increase the brightness more vividly by diffused reflection as the phase angle decreases. As on 31 Oct, HIDALGO (*EHd*) caught the bright Olympus Mons near the terminator on 1 Nov (λ=316°Ls, ι=05°) at ω=194°W. (Here we don't necessarily pick out all data, since any image facing to Olympus Mons could catch it easily.) On 3 Nov (λ=318°Ls, ι=03°) near midnight GMT, *DPc* produced an excellent image at ω=170°W where Mons' shadowy side is clearly shot as well as the shining flank. After the midnight *DTy* also had similar good image at ω=183°W (on 4 Nov GMT). On 4 Nov (λ=318°Ls, ι=02°), *CPl* caught the bright roundish area before the CM at ω=127°W. On 6 Nov (λ=320°Ls, ι=00°) at 22:00GMT, KOWOLLIK (*SKw*) shot slightly earlier at ω=122°W and chased every twenty minutes until ω=166°W. *DPc*'s image on the day at ω=138°W is the one most superb ever taken. At the US continent, it was *SeanWk* who took first the shining Olympus Mons at ω=189°W (on 6 Nov GMT). Mars was at opposition on 7 Nov (λ=320°Ls): the phase angle was down to about ι=0.3° (could not vanish since the three bodies were not exactly on a line, and so

the defect illumination must have been seen near the northern limb even when ι stayed approximately 00°.) At 20:57GMT on 7 Nov (ι=01°) ALDERWEIRELDT (*TAl*) took an image at ω=097°W where it was roundish bright near the morning limb. TEICHERT (*GTc*) visually detected it at ω=101°W. *SKw* chased it by ccd from ω=108°W to 181°W, and did similarly the day after. HERNANDEZ (*CHr*) at Florida drew it on 8 Nov (λ=320°Ls, ι=01°) at 00:52GMT (ω=154°W). On the evening GMT of 8 Nov, KARRER (*MKr*) took the morning image at ω=089°W, and further *MMb* shot at ω=083°W on 9 Nov (λ=321°Ls, ι=02°). On the other hand, *EGf* caught the bright Olympus Mons on the preceding terminator on 10 Nov (λ=322°Ls, ι=03°) at ω=206°W. BEISH (*JBs*) observed it visually on the day at ω=140°W. The shining Olympus image near the morning terminator was caught by *DPc* and *DTy* on 13 Nov (λ=323°Ls, ι=05°) at ω=068°W. On 15 Nov (λ=324°Ls) phase angle augmented to ι=07°, and so the opposition effect must have been at the final stage: Even then *SWk*'s image at ω=123°W, *FMl*'s at ω=146°W, 159°W, *KGr*'s at ω=159°W and so on show the dully shining Olympus Mons. No atmospheric effect or variation has been checked.

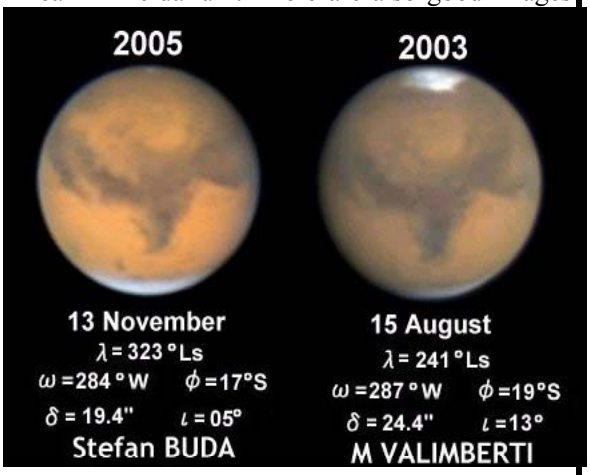
♂·····**Absence of the Arsia Cloud and the Shining Tharsis Montes**: If the atmosphere is normal, the summit of Arsia Mons must be full of the roll cloud in this season (should be at the second peak). However *EHd*'s image made on 1 Nov (λ=316°Ls) at ω=177°W does not look to convey the cloud in question. This is conspicuously in contrast with the case on 21 Oct (λ=310°Ls) as we see easily by comparing *EHd*'s with *CLa*'s images at ω=178°W, 184°W. We should say this is because the southern higher latitude airborne dust already brought a warmer air to the upper area of Tharsis Montes. *EHd*'s images made on 2 Nov (λ=317°Ls, ι=04°) at ω=162°W are made of the BGR set, and the area of Arsia Mons is bright even in R (in addition to G and B), and hence we can consider that Tharsis Montes have instead been also affected by the opposition effect. See also *DPc*'s images on 3 Nov (λ=318°Ls, ι=03°) at ω=170°W, where every image of R, G, B show a long stretched segment which may be the ridge or western flank of Tharsis Montes. This also evident on ARDITTI (*DAr*)'s images on 4 Nov (λ=318°Ls, ι=02°) at ω=146°W(22:28 GMT)~163°W. See also *MMb*'s RGB at ω=153°W. It is also evident on *CPl*'s images on 5 Nov (λ=319°Ls) at ω=154°W, and on 6 Nov (λ=319°Ls) at ω=164°W. More detailed description was made on 6/7 Nov (λ=320°Ls, ι=02°) by *DTy* at ω=132°W, 139°W, 159°W, and by *DPc* at ω=138°W, 148°W. See also *MMb*'s at ω=134°W. In the US, PHILLIPS *(JPh*) took it at ω=180°W. It may be easy and interesting to discuss about the opposition effect on Ascræus Mons and others by the use of the superb images of *DTy* and *DPc*: The may also suggest some extension of dust to the summits of Tharsis Montes.

♂·····**Opposition Effect on Elysium Mons**: The location of Elysium Mons is slightly more northward than Olympus Mons, but not so different, and so it was expected another opposition effect on Elysium Planitia. *ERl*'s image on 4 Nov (λ=318°Ls, ι=03°) at ω=228°W and other images on the following 5 and 6 Nov look to suggest a brightening of the summit of Elysium Mons, but after all the image taken by *EGf* on 7 Nov (λ=320°Ls, ι=00°) at ω=234°W is outstanding in showing the shining summit of Elysium Mons. It is seen also in B. On 9 Nov (λ=321°Ls, ι=02°), PARKER (*DPk*) also showed it at ω=196°W, and *EGf* again clearly spotted it on 10 Nov (λ=322°Ls, ι=03°) at ω=206°W. On 12 Nov (λ=323°Ls, ι=04°), several observers succeeded in showing the shining Elysium Mons: *ERl* at ω=165°W, ANDERSON (*DAd*) at ω=176°W, JPh at ω=180°W, *KGr* at ω=183°W, and CHAVEZ (*RCv*) at ω=183°W. *KGr*'s image on 13 Nov ω=181°W shows it near the morning terminator.

♂·····**Morning Mist to the west of Noachis**: Visually we (at Fukui) saw the morning mist near the limb near Argyre to the west of Noachis on 4 Nov (λ=318°Ls) at ω=338°W and what follows, and on 5 Nov (λ=319°Ls) at ω=334°W and what follows. On 7 Nov (λ=320°Ls) the images by *Km* at ω=331°W, 347°W, and by *Mo* at ω=354°W, 006°W (B) show similar morning mist. On 10 Nov (λ=322°Ls), we saw visually much earlier the morning mist (not so thick) at the morning Noachis at Fukui.

♂·····**M Acidalium and the NPH**: Here we only list up some interesting cases for later references: On 1 Nov (λ=317°Ls), *Ak*'s series of images at ω=005°W, 016°W, 036°W, and *Mo*'s following at 038°W, 046°W, 056°W,

as well as *SBd*'s at ω=047°W record interesting activities of the nph near M Acidalium. There are also good images as stated before made on 4 Nov (λ=318°Ls): *MVl*'s at ω=022°W, *Ok*'s at ω=030°W, 037°W, *CLa*'s at ω=031°W, *Mo*'s at 039°W and so on. Refer also to the interesting images on 5 Nov (λ=319°Ls) by *CLa* at ω=047°W, and by *My* at ω=010°W, 020°W.




♂·····**Trinacria and others**: There has been few occasion to review the regions including Hesperia, M Tyrrhenum, Trinacria and Hellas this apparition because we have been mainly concerened with the more dusty regions. Here so we post an image by *SBd* on 13 Nov to compare with a similar image in 2003 made by *VMl*. Markings appear not so different.↗

♂·····**Possible Martian Flares**: Since it was known that $D_E$ and $D_S$ could coincide on 8 Nov 2005, preparation has been done by *Mk* from the end of 2004 to observe possible flares at the area of Solis L *à la* S FUKUI: His manuscript in the CMO-Web (in Japanese) suggested that $D_E$=15.93°S, $D_S$=15.97°S on 8 Nov at 00:00GMT and $D_E$=16.11°S, $D_S$=15.77°S on 9 Nov at 00:00GMT. However the time when ω=090°W was attainable at 21:03GMT =06:03JST on 8 Nov, and so it looked difficult to watch the Solis L area in better condition (and furthermore it was the place where the October dust occurred). Anyway at Fukui we prepared, but the sky was very cloudy on both days (8 Nov and 9 Nov). *Mk* tried instead in order to catch the area earlier to organise a team at the same place as in 2003 on 5 Nov, but unfortunately no detection of any flare was done. A detail will be reported later.

♂·····**黄雲の續き**：30Oct(λ=315°Ls)の珍しいシヌス・メリディアニからアラムの黄塵による擾亂の後遺症は未だ續いていたが、ほぼ7Nov(λ=320°Ls)まで痕跡を殘したようである。**1Nov(λ=316°Ls)** ω=265°Wのウォーカー(SWk)氏の良像では朝方に於いてマレ・セルペンティスが弱くなっているのが分かり、ω=306°Wのウォーッレン(JWn)氏の像でもトンでいる。日本に來てccdでは熊森(Km)氏のω=344°W、阿久津(Ak)氏のω=005°W、016°W、036°W、眼視では福井のω=000°W(Nj)、005°W(Mn)以下、村上(Mk)氏のω=010°W以下の觀測があり、マレ・セルペンティスの淡化のためデウカリオニス・レギオからヘッラスへ黄雲が抜けているのが確認できる。これらと續く森田(Mo)氏のω=038°W、046°W、056°Wから、シヌス・メリディアニは回復しているものの、マルガリティフェル・シヌスには未だ相當黄塵が立っているのが明らかである。肉眼ではコアも見えるのに對し、Mnのω=014°W、024°Wではオクシア・パルスが見えている(Ak氏のω=036°Wは良像で、この邊りを詳しく表現している)。但し、アウロラエ・シヌスのあたりは正常で、凹地に漂う黄雲のスジは見られない。アルギュレ邊りも圓いが然程強くない。マレ・セルペンティスの邊りの鈍化はグラフトン(EGf)氏の**2Nov(λ=317°Ls)** ω=275°Wの像が整っている。この日のマルガリティフェル・シヌスは福井ではω=355°W、005°W、015°Wと追ったが、可成り淡いもののMk氏もω=010°W~061°Wの觀測で稍回復していると見做している。ccdでは沖縄・比嘉(Hg)氏のω=037°W、060°W、香港・劉(CLa)氏のω=050°W、061°W、082°Wが好く傳える。CLa氏の像ではソリス・ラクス以西は變化がないが、ネクターとゲリュオンが21Oct以降の擾亂で太く濃い。マレ・セルペンティスも**3Nov(λ=318°Ls)**以降回復傾向の様である。この日Km氏がω=328°W、333°W、337°W、346°W、350°W、354°W、その後をCLa氏がω=008° W、018°W、037°W、050°W、056°Wと繋ぎ、パシスまで追っている。アオニウス・シヌス邊りは顕著な様相である。黄雲は中緯度が落ち着いてきたのに對し、比較的には高緯度アルギュレの北から35°Sラインを西へ擴がっているように見える。**4Nov(λ=318°Ls)**には福井ではシーイングが良好で、ω=333°W(Nj)、338°W(Mn)から開始し、Mnはω=095°W(19:00GMT)迄觀測した。マレ・セルペンティスからマレ・エリュトゥラエウムへ向かう暗帶は回復していて寧ろ、その南の黄雲がヘッラス北部へ流れ込んでいるような氣配である。マルガリティフェル・シヌスは回復傾向である。シヌス・メリディアニもブランガエナも含めて好く見える。寧ろ

高緯度アルギュレより西がダスティである。この日の前半のHg氏のω=357°W、017°Wの像はヘッラスからノアキス全體のダスティな様子と、然し砂漠の赤味を少し遺して印象の好い像である。南極冠もディスクの中に入って明確(φ=15°S)。これは肉眼でも見える。この日はKm氏もω=358° W、004°W、次いでMo氏がω=016° W、020°W、031°W、039°W、049°Wと追い、岡野(Ok)氏もω=030°W、037°Wで撮像した。Mo氏のω=039°WとOk氏の像は秀逸である。マルガリティフェル・シヌスの濃淡やタウマジアなどの濃度がよく分かる。ヴァリンベルティ(MVl)氏のω=022°W、CLa氏のω=031°Wも好い(この日は後述のようにマレ・アキダリウム上の北極雲の動きが面白かった)。Ok氏の像にはマレ・オケアニドゥムかその南、南極冠の近くに黄塵らしいものを捉えている。**5Nov(λ=319°Ls)**には筆者はω=314° Wから開始したが、ヘッラス西部の短冊は明るいが、エアボーンダストは可成り東まで來ているのが分かが、夕側に然程明るいものは無い。アエリアなどは赤っぽい。オクシア・パルスは既に見えている。ω=324°Wでは、リビュアが少し白いかという感じだが然程ではない。ω=334°W、344°W迄で、シヌス・サバエウスの東北部が最も濃い、等。續いてccd像があり、ブダ(SBd)氏のω=358°WとMy氏のω=010°W、020°Wが描寫は異なるが、見逃せない雙璧である。ヘッラスからノアキスに掛けて黄雲の影響でメリハリの無くなっている様子が出ている。My氏の像にはマレ・オケアニドゥムの近くに鈍い黄塵(多分沈澱か)が捉えられていると思う。これらも含めてCLa氏のω=006°W~047°Wはマルガリティフェル・シヌスからアウロラエ・シヌスに掛けての詳細がよく分かる。**6Nov(λ=320°Ls)**のCLa氏のω=028°Wも良像で、マルガリティフェル・シヌスが固定されて來たと考える。**7Nov(λ=320°Ls)**にはMo氏のω=353°W、004°W像とヘフナー氏(RHf)のω=010°W像はマレ・セルペンティスも完全に回復したと暗示している。この日のMo氏のω=353°W、004°WのB光はアルギュレ西の朝方の朝霧を濃く撮していて、未だ高緯度黄雲の可能性を示すが、その後の中緯度の觀測を見るとこの邊りで落ち着いたようである。但し、4Nov(λ=318°Ls)のOk氏の畫像以來のマレ・オケアニドゥム南の南極冠周りの黄塵は幾らか動きがある様で、12Nov(λ=323°Ls)のピーチ(DPc)氏のω=065°W、タイラー(DTy)氏の068°W、モッバレイ(MMb)氏のω=089°W、更には13Nov(λ=324°Ls)のDPc氏のω=066°W等にも見られるから細かな比較が必要であろう。なお、ヘッラス周邊からノアキスに掛けてのこの時期の全體に固定黄雲に覆われた様子は11Nov(λ=322°Ls)のMy氏のω=326°Wが好く示す。

♂‥‥‥ **赤道帶夕霧の不在**：前回17Oct(λ=308°Ls)のCPl氏のω=352°Wに象徴される赤道帶の雲は同日のDPk氏のω=050°Wの像に見られるように、エドムから南に夕雲となって見えていたが(他にメリッロ(FMl)氏の19Oct(λ=309°Ls)ω=039°W)、今回例えば、3Nov(λ=319°Ls)のCLa氏のω=050°W、13Nov(λ=324°Ls)のCPl氏のω=050°W、DPc氏のω=066°Wと比べてみると分かるように、最早見えていない。エアボーンダストの所爲であろう。

♂‥‥‥ **シュルティス・マイヨルの朝**：衝近くになって朝起き間もないシュルティス・マイヨルが見えてきて、多くの畫像が撮られている。1Nov(λ=316°Ls)のヘスス・サンチェス(JSc)氏のω=233°Wには後方に朝霧が出ているが、以下の像では然程顕著ではない。3Nov(λ=318°Ls)のディッキンソン(WDs)氏のω=236°W、4Nov(λ=318°Ls)ロエル(ERl)氏のω=228°Wなど。デグロッフ(KGr)氏は5Nov(λ=319°Ls)にω=228°W、6Nov(λ=320°Ls)にω=219°Wの他、8Nov(λ=320°Ls)ω=225°Wで狙っているが、これが一等朝霧に覆われたシュルティス・マイヨルを撮し出しているか、といったところである。色彩も氣になるところであるが、今回のKGr氏の8Novの色は少し蒼いかと思うがよく分からない。筆者(Mn)は未だ位相角の大きいとき6Oct(λ=301°Ls、ι＝27°)及び7Oct(λ=302°Ls、ι=26°)の両日ω=212°Wで細いシュルティス・マイヨルをリックの屈折で見たが、未だ朝霧は然程でなく、緑色系統であったが、鮮明ではなく印象は薄い。尚こうした細いシュルティス・マイヨルの畫像は縁處理の悪いccdでは未だ出ない様である。

♂‥‥‥**アリュンの爪と南極冠**：この期間は15Novになってもまだエアボーンダストが南半球を取り巻いて覆っているが、シーゲル(ESg)さんは15Nov(λ=324°Ls、φ=17°S)ω=015°Wでシヌス・メリディアニを上手く分解し、アリュンの爪を検出した様である。330×20cmSCT、デンマークとしては今年の火

星は高く、このときは45°、シーイングも好く、これだけクッキリ見たのは初めてのようである。勿論南極冠の健在も検出している。

**♂……オリュムプス・モンスの衝効果**：衝も近くなり、1Novでι＝05°に落ちた。前號で述べた様にオリュムプス・モンスなど傾斜を持つ山岳部が亂反射で輝くようになる。これは衝効果の一種である。ヒダルゴ(EHd)氏が前日に引き續き1Nov(λ=316°Ls、ι＝05°)ω=194°Wで夕縁で捉えている(以下、角度に入れば撮れるのは當然だから、特徴のある畫像しか擧げない)。3Nov(λ=318°Ls、ι=03°)遅くにはDPc氏がω=170°Wで良像を得、山蔭まで撮っている。夜半越えの4NovのDTy氏のω=183°Wも詳しい。4Nov(λ=318°Ls、ι=02°)にはCPl氏がCM前の姿をω=127°Wで捉えた。6Nov(λ=320°Ls、ι=00°)22:00GMTにコヴォッリク(SKw)さんがω=122°Wで撮り、二十分ごとに166°Wまで追った。この日のDPc氏のω=138°Wの描寫は白眉である。美國大陸ではSWk氏が初めてω=189°Wで捉えた。7Nov(λ=320°Ls、衝日、三天體は一方向以外直線上にはないので、ιはゼロになることはない。今回は、ι=0.3°ぐらいが最低)には20:57GMT(ι=01°)にアルデルワイレルト(TAl)氏がω=097°Wで朝方の明るいオリュムプス・モンスを捉えた。タイシェルト(GTc)氏は眼視でω=101°Wで觀ている。SKwさんはω=108°Wから181°Wまで追跡し、翌日にも同じ活躍をしている。8Nov(λ=320°Ls、ι=01°)00:52GMTにフロリダのヘルナンデス(CHr)がω=154°Wでスケッチしている。その夜21:00GMTにはカッレル(MKr)氏が朝方ω=089° W、で捉え、更に9Nov(λ=321°Ls、ι=02°)にはMMb)氏がω=083°Wで撮した。逆に10Nov(λ=322°Ls、ι＝03°)ω=206°WでEGf氏が夕端のオリュムプス・モンスを撮っている。この日はその前にビーシュ(JBs)氏がω=140°Wに眼視で捉えている。朝縁での像は13Nov(λ=323°Ls、ι=05°)でのDPc氏とDTy氏のω=068°Wがキリキリであろう。15Nov(λ=324°Ls)はι=07°でそろそろ衝効果が薄れる頃であるが、SWk氏のω=123°W、FMl氏のω=146°W、159°W、KGr氏のω=159°Wなどには弱いながら出ている。注意するのは何れも位相角による變化しか示しておらず、大氣現象ではない。

**♂……アルシア雲の不在とタルシス・モンテスの衝効果**： 一方、アルシア雲の件であるが、1Nov(λ=316°Ls)のEHd氏のω=177°Wではアルシア雲は出ていないと思われる。これは21Oct(λ=310°Ls)のCLa氏のω=178°W、184°Wの著しい姿と大きな違いである。既に、高緯度エアボーンダストがタルシスからマレ・シレヌム邊りまで及んでいると考えられるから凝固が起こらないのであろう。2Nov(λ=317°Ls、ι=04°)のEHd氏のω=162°WではBGRが揃っているが、明らかにRでも明るく見えているから、凝結ではなく衝効果が表れていると思われる。これはDPc氏の3Nov(λ=318°Ls、ι=03°)ω=170°Wを診るとRGB何れにも永細く明部が出ていることでよく分かる。タルシス・モンテスの西側が明るく見えているわけである。4Nov(λ=318°Ls、ι=02°)のアルディッティ(DAr)氏の22:28以降ω=146°W~163°Wに顕著である。MMb氏のω=153°WのRGBにも出ている。CPl氏の5Nov(λ=319°Ls)ω=154°W、6Nov(λ=319°Ls) ω=164°Wにも明瞭である。もっと詳細は6/7Nov(λ=320°Ls、ι=02°)のDTy氏のω=132°W、139°W、159°W、DPc氏のω=138°W、148°Wなどに出ている。MMb氏のω=134°Wは過剰處理だが、強く出ている。その前のフィリップ(JPh)氏のω=180°Wにも出ている。DTy氏やDPc氏などの像からアスクラエウス・モンスの衝効果を見ることも容易く、これを追うことも出來るが、ここでは省略する。なお、この時期アルシア雲は通常なら第二ピークにある。

**♂……エリュシウム・モンスの衝効果**：エリュシウム・モンスはオリュムプス・モンスより稍北であるが、衝効果を示すはずで、4Nov(λ=318°Ls、ι=03°)のERl氏のω=228°W他、續く5、6Novにも幽かに見えるが、何と言っても衝日7Nov(λ=320°Ls、ι=00°)のEGf氏のω=234°Wの像にはクッキリと見え、會心の作である。Bにも見えることに注意。9Nov(λ=321°Ls、ι=02°)のDPk氏のω=196°Wにも捉えられている。10Nov(λ=322°Ls、ι=03°)ω=206°Wで再びEGf氏。12Nov(λ=323°Ls、ι=04°)には多くの畫像に現れ、ERl氏のω=165°W、アンダーソン(DAd)氏のω=176°W、JPh氏のω=180°W、KGr氏のω=183°W、チャベス(RCv)氏のω=183°Wなど。KGr氏の13Novω=181°Wにも朝方ながら明瞭である。

**♂……ノアキス西方の朝霧**：眼視では4Nov(λ=318°Ls)ω=338°W以降、5Nov(λ=319°Ls)ω=334°W以降、

ノアキス西方、アルギュレの朝と思われるところに朝霧が見えていた。これは7Nov(λ=320°Ls)のKm氏のω=331°W、347°W、Mo氏のω=354°W、006°W(B光)に明瞭にでている。10Nov(λ=322°Ls)の福井の眼視観測ではもっと早くノアキスの朝に認めている。

♂·····**マレ･アキダリウムと北極雲**：ここでは羅列のみにするが、この時期にも北極雲の面白い動きが捉えられている。1Nov(λ=317°Ls)にはAk氏のω=005°W、016°W、036°W、續いてMo氏の038°W、046°W、056°W、その間、SBd氏のω=047°Wが記録されている。4Nov(λ=318°Ls)には先述のように、MVl氏のω=022°W、Ok氏のω=030°W、037°W、CLa氏のω=031°W、Mo氏の039°Wなどの良像が揃う。5Nov(λ=319°Ls)にはCLa氏のω=047°W、My氏のω=010°W、020°Wに現れる様相も興味深い。

♂·····**トリナクリア周邊**：今回の接近ではノアキスからソリス・ラクスに掛けて變化が見られた爲、ヘスペリアからヘッラスに掛けての様子について觸れる機會がないので、2003年の畫像(MVl氏)と並べて、13NovのSBd氏の畫像を擧げる(英文の部參照)。變化は很少である。

♂·····**ピカリ現象**：既に、2004年末から告知していたことであるが、十一月の上旬にDeとDsが一致する機會があり、而も日本からはソリス・ラクスのあたりが觀望可能であったので、Mk氏を中心に準備に入っていた。豫報では8Nov00:00GMTで De=15.93°S、Ds=15.97°S、9Nov00:00GMTでDe=16.11°S、Ds=15.77°Sであったから、8Nov中にDe=Dsになることは間違いないことであった。但し、ω=090°Wとなるのが、8Novの場合21:03GMT=06:03JSTであるから、時間的に遅いという難點があった。然し、兎も角福井では、8Nov, 9Novに觀測する手筈だけは整えたが、生憎兩日とも曇ってしまった。一方Mk氏は早めを狙い5Novに2003年と同じ方式で九段高校で協同觀測を行ったが、ピカリの檢出には到らなかった。報告は何れ掲載する。

♂·····In the next issue we shall review the observations made during a one-month period from 16 November 2005 (λ=325°Ls) to 15 December 2005 (λ=341°Ls).

**Forthcoming 2005 Mars (14)**

# Ephemeris for the Observation of the 2005 Mars. VIII

## *January 2006*

Masami MURAKAMI
村上 昌己(Mk)

◆As a sequel to Part VII in #311 where the Ephemeris for November and December 2005 was listed, here is given the Ephemeris for January 2006. The data are listed for every day at 00:00 GMT (not TDT). ω resp denotes the longitude resp latitude of the sub-Earth point. The symbols λ, δ and ι stand for the areocentric longitude of the Sun, the apparent diameter and the phase angle respectively. The apparent declination of the planet is also given. The data are based on The Astronomical Almanac for the Year 2006.

| Date (00:00GMT) | ω | φ | λ | δ | ι | Declination |
|---|---|---|---|---|---|---|
| 01 January 2006 | 012.40°W | 19.1°S | 349.50°Ls | 12.08" | 33.5° | +16°37' |
| 02 January 2006 | 003.00°W | 19.0°S | 350.02°Ls | 11.95" | 33.8° | +16°43' |
| 03 January 2006 | 353.60°W | 19.0°S | 350.53°Ls | 11.83" | 34.0° | +16°48' |
| 04 January 2006 | 344.22°W | 18.9°S | 351.05°Ls | 11.70" | 34.3° | +16°54' |
| 05 January 2006 | 334.84°W | 18.8°S | 351.56°Ls | 11.57" | 34.5° | +17°00' |
| 06 January 2006 | 325.41°W | 18.7°S | 352.07°Ls | 11.45" | 34.7° | +17°06' |
| 07 January 2006 | 315.99°W | 18.6°S | 352.58°Ls | 11.33" | 35.0° | +17°12' |
| 08 January 2006 | 306.57°W | 18.5°S | 353.09°Ls | 11.20" | 35.2° | +17°18' |
| 09 January 2006 | 297.16°W | 18.4°S | 353.60°Ls | 11.08" | 35.4° | +17°24' |
| 10 January 2006 | 287.70°W | 18.3°S | 354.11°Ls | 10.97" | 35.6° | +17°30' |
| 11 January 2006 | 278.25°W | 18.2°S | 354.62°Ls | 10.85" | 35.8° | +17°37' |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12 January 2006 | 268.81°W | 18.1°S | 355.13°Ls | 10.74" | 35.9° | +17°43' | |
| 13 January 2006 | 259.37°W | 18.0°S | 355.64°Ls | 10.62" | 36.1° | +17°49' | |
| 14 January 2006 | 249.88°W | 17.8°S | 356.14°Ls | 10.52" | 36.3° | +17°56' | |
| 15 January 2006 | 240.41°W | 17.7°S | 356.65°Ls | 10.41" | 36.5° | +18°03' | |
| 16 January 2006 | 230.94°W | 17.6°S | 357.15°Ls | 10.31" | 36.6° | +18°09' | |
| 17 January 2006 | 221.49°W | 17.5°S | 357.65°Ls | 10.20" | 36.8° | +18°16' | |
| 18 January 2006 | 211.99°W | 17.3°S | 358.15°Ls | 10.10" | 36.9° | +18°23' | |
| 19 January 2006 | 202.49°W | 17.2°S | 358.66°Ls | 10.00" | 37.1° | +18°30' | |
| 20 January 2006 | 193.00°W | 17.1°S | 359.16°Ls | 09.90" | 37.2° | +18°36' | |
| 21 January 2006 | 183.52°W | 16.9°S | 359.66°Ls | 09.80" | 37.3° | +18°43' | |
| 22 January 2006 | 174.00°W | 16.8°S | 000.16°Ls | 09.71" | 37.4° | +18°50' | |
| 23 January 2006 | 164.48°W | 16.6°S | 000.66°Ls | 09.61" | 37.5° | +18°57' | |
| 24 January 2006 | 154.98°W | 16.5°S | 001.15°Ls | 09.52" | 37.6° | +19°04' | |
| 25 January 2006 | 145.48°W | 16.3°S | 001.65°Ls | 09.42" | 37.7° | +19°11' | |
| 26 January 2006 | 135.94°W | 16.2°S | 002.15°Ls | 09.33" | 37.8° | +19°18' | |
| 27 January 2006 | 126.41°W | 16.0°S | 002.64°Ls | 09.25" | 37.9° | +19°25' | |
| 28 January 2006 | 116.88°W | 15.8°S | 003.14°Ls | 09.16" | 37.9° | +19°32' | |
| 29 January 2006 | 107.37°W | 15.7°S | 003.63°Ls | 09.07" | 38.0° | +19°39' | |
| 30 January 2006 | 097.81°W | 15.5°S | 004.12°Ls | 08.99" | 38.1° | +19°46' | |
| 31 January 2006 | 088.27°W | 15.3°S | 004.62°Ls | 08.91" | 38.1° | +19°53' | |
| 01 February 2006 | 078.73°W | 15.2°S | 005.11°Ls | 08.82" | 38.2° | +20°00' | |
| 02 February 2006 | 069.20°W | 15.0°S | 005.60°Ls | 08.74" | 38.2° | +20°07' | - - - |

## 便　り
## Letters to the Editor

●・・・・・・・***Date: Wed, 9 Nov 2005 21:00:52 -0000***
***Subject: Mars images (November 6th, 2005.)***

Hi all, Here are some images from November 6th. Fair seeing, but one of my best sessions this season.

Tharsis and Solis Lacus are presented. Olympus Mons is shining brightly in all filters. In the red images it clearly shows a small off-centre bright spot, surrounded by a larger slightly less bright area. Ascræus Mons is also bright in all filters. Pavonis and Arsia are "lost" in the bright area that seems to cover this part of Tharsis. In Blue this area looks like the Arsia cloud is bright, but with some extensive mistiness across most of Tharsis. Also a faint morning cloud off toward Trivium Charontis on the limb.

http://homepage.ntlworld.com/damian.peach/2005_11_06rgb_DAP.jpg
http://homepage2.nifty.com/~cmons/2005/051106/DPc06Nov05b.jpg

Best Wishes

○・・・・・・・***Date: Fri, 11 Nov 2005 20:03:06 -0000***
***Subject: Mars images (November 9th, 2005.)***

Hi all, Here are some images from Nov 9th. Olympus Mons remians bright, though Ascræus is not a white spot this time. The NPH is bright, and the dust here has long since settled...

http://homepage.ntlworld.com/damian.peach/2005_11_09rgb_DAP.jpg
http://homepage.ntlworld.com/damian.peach/2005_11_09blue_DAP.jpg

○・・・・・・・***Date: Mon, 14 Nov 2005 23:34:53 -0000***
***Subject: Mars images (November 12th, 2005.)***

Hi all, Here are some images from the 12th. The seeing was finally good in all filters (the first time in several weeks.) This was my best view so far of the Chryse Hemisphere.

An interesting change is noted after the dust storm the errupted over Oxia Palus/Aram last month. The whole area of Margaritifer Sinus extending into Pyrrhæ Regio is notably lighter than pre-storm. There almost seems to be a weak "divide line" between this faded area, and Auroræ Sinus (which is very dark in Red and also dark in Blue.) Indus is dark connecting SE Niliacus Lacus with Oxia Palus. Hydaspes is rather weak but present.

Some intricate detail around Valles Marineris, with various nuclei, and a faint "canal" extending from Melas Lacus into Ophir. Olympus Mons is again bright in Red, while now invisible in Blue.

http://homepage.ntlworld.com/damian.peach/2005_11_12rgb_DAP.jpg
http://homepage.ntlworld.com/damian.peach/2005_11_12red_DAP.jpg
http://homepage.ntlworld.com/damian.peach/2005_11_12blue_DAP.jpg

○・・・・・・・***Date: Tue, 15 Nov 2005 19:52:53 -0000***
***Subject: Re: Mars images (November 13th, 2005.)***

Hi all, Here are some images from the 13th. Poorer seeing than the last session. Similar details to those seen in yesterday's images.

http://homepage.ntlworld.com/damian.peach/2005_11_13rgb_DAP.jpg

○・・・・・・・***Date: Thu, 17 Nov 2005 19:26:25 -0000***
***Subject: Mars images (November 16th, 2005.)***

Hi all, After two nights of horrendously poor seeing, last night it improved enough to actually do something! I was to test a new camera but things didnt work out, and my old Lumenera had a problem also, so i had to revert back to the ATK (after spending most of the night trying to sort out camera problems!)

Poor seeing this session, but the NPH is brilliant, and Auroræ Sinus is dark again. Best Wishes

**Damian PEACH** (ﾃﾞﾐｱﾝ･ﾋﾟｰﾁ Bkh, UK 英)

●・・・・・・・***Date: Thu, 10 Nov 2005 00:23:47 +0000***
***Subject: Mars Images***

Hi All, I have attached some Mars images from 9 November. Orographic clouds on PM limb. SPC remnant tiny. Significant violet clearing on images and visually.

○・・・・・・・***Date: Fri, 18 Nov 2005 23:30:45 +0000***
***Subject: Mars Images***

Hi All, I have attached some Mars images from 17 Nov. Poor seeing. Lots of clouds over Tharsis but Olympus Mons clear. Best,

○・・・・・・・***Date: Thu, 24 Nov 2005 22:44:37 +0000***
***Subject: Mars Images***

Hi All, I have attached some Mars images from 24 Nov. Terrible seeing, but Chryse is clear of dust. Also lots of discrete clouds.

Congrats to Joel, Ed, Glenn, and Ralf for imaging the Chryse dust streak. It was similar in extent and duration to the one of October 13. Also, it is like the one that Ed Grafton captures on 30 July, 2003.

Best and *Happy Thanksgiving*,

**Don PARKER** (唐那・派克 Miami FL 美)

●・・・・・・・***Date: Thu, 10 Nov 2005 08:21:17 +0100***
***Subject: AW: Mars 2005-09-14***

Dear Sirs, after a longer period of bad weather another result. Using a new camera can bring slightly better results. Best Regards,

**Michæl KARRER** (ﾐｶｴﾙ･ｶｯﾗｰ St Radegund 奥)

●・・・・・・・***Date: Thu, 10 Nov 2005 13:52:27 +0100***
***Subject: Mars from 8/9. November 2005***

Hi all, still good observing weather and a fantastic view on Solis Lacus, followed by Tharsis and Olympus Mons through hours. Over Tharsis seams to be a weak cloud of humidity or dust, it was brighter than last month. SPC is very small, just a white spot in some moments of real good seeing. The evening limb was brighter than morning limb. NPH is going smaller than last month...best

○・・・・・・・***Date: Fri, 11 Nov 2005 01:09:26 +0100***
***Subject: mars from 9. November 2005***

Hi all, here my Marspictures from 9. November. The weather is changing, Seeing and Transparency was just average, tomorrow it will be cloudy. best wishes

○・・・・・・・***Date: Fri, 11 Nov 2005 23:55:37 +0100***
***Subject: new dust trail?***

Hi all, is there a new dust storm over Eos, Phyræ Regio, Mare Erythræum and Argyre? We have a very bad sky here in Ludwigsburg (moondogs, cirrusclouds, weak fog and terrible fast changing seeing), but I believe, that very bright and huge, evening limb is unusual...

this picture of mars is from 11. November 2005, 21:58 GMT (quick and dirty added) and shows an extreme blue NPH and dust on the left side of Mars surface...

The region is now rotating out of my view, I hope some better pictures will follow after proceeding my other avis... best wishes

○・・・・・・・***Date: Mon, 14 Nov 2005 02:24:38 +0100***
***Subject: mars from 12. November 2005***

here my marspictures from 12. November. On the evening side I had no contrast - like a huge but very thin dust cloud would cover the surface...

SPC was visible just in a few good moments, NPH was extreme blue.. best wishes

○・・・・・・・***Date: Mon, 14 Nov 2005 05:33:09 +0100***
***Subject: mars from 13. November 2005***

between clouds I could take just a few pictures, but they show much more details than yesterday:

No dust clouds, SPC just visible in good moments, bright evening limb, extreme blue NPH and a weak blue cloud over Mare Erythræum and Argyre. best wishes

**Silvia KOWOLLIK** (ｼﾙｳﾞｨｱ･ｺｳﾞｫｯﾘｸ Ludwigsburg 德)

●・・・・・・・***Date: Thu, 10 Nov 2005 15:55:22 -0000***
***Subject: Mars Nov 10***

Poor seeing from London this morning, and a lot of dew. Nothing different to note to previous, but I was pleased with the colours of this image, which I think are about right.

○・・・・・・・***Date: Sun, 13 Nov 2005 19:12:03 -0000***
***Subject: Mars November 12***

Rather poor seeing on this occasion, but the bright Olympus Mons is still visible, and also another patch follwing it, also bright in R. This does not seem to be associated with any eminence on Mars.

○・・・・・・・***Date: Tue, 15 Nov 2005 01:41:07 -0000***
***Subject: Mars 13-14 November***

Here are my images from last night. Seeing from London was poor, with "moments".

The later set substitutes an IR-far red for the normal matched set R.

There are 3 brighter patches on the p. limb, only one of which corresponds to a mountain (Olympus M.). As in my last images, they are not seen in B, suggesting they are not atmospheric. The SPC is hinted at.

○・・・・・・・***Date: Fri, 18 Nov 2005 21:00:33 +0000***
***Subject: Mars Nov 16***

I have found some Mac/PC image-reading problems in the past, and have been trying to work out how to send .jpg images from a Mac in such a way that all PC users can get and read the correct filename. It seems the answer is to use Windows Base64/MIME encoding, as this also seems to turn out correct on Macs even though it is not their default. I would appreciate being told if anybody does not get this correctly.

I am trying to make colours and contrasts on Mars look natural at the moment.

○・・・・・・・***Date: Wed, 23 Nov 2005 18:44:52 +0000***
***Subject: Mars Nov 16: final result***

Working my way through the backlog of images, I have now finished Mars 16 Nov.

Please note that the last of this group was previously sent out, with a different processing, to this list as being 21:34UT, when it is 22:34. Sorry. I was in a hurry to get it ready for a meeting.

○・・・・・・・***Date: Wed, 23 Nov 2005 20:38:55 +0000***
***Subject: Mars Nov. 17-18***

Some images from the night of 17-18. This was the first occasion I tried an Astro-Engineering ×1.6 Powermate to increase the EFR on Mars from about *f*30 to *f*48 (a 2× Barlow is too much on this telescope).

The IR images show some detail, but the colour composites have turned out strangely technicolour. I don't

know whether this is the poor seeing, instrumentation, or my fault, but I couldn't seem to process it out. G and B images were very blurry this night.

○・・・・・・・***Date: Thu, 24 Nov 2005 18:18:12 +0000***
***Subject: Mars Nov 19-20***

Here are a couple of images entirely by me, continuing through the backlog of the last few days.

The second is the first taken using a new camera, a B&W-chipped Toucam supplied by Modern Astronomy. However, at the stage this was taken, we hadn't got the EPROM settings for this optimised.

I prefer, as can be seen, a paler, pinker Mars to what most imagers produce. This is the way it looks to me.

**David ARDITTI** (ﾃﾞｳﾞｨｯﾄﾞ・ｱｰﾃﾞｨﾁ Edgware 英)

●・・・・・・・***Date: Thu, 10 Nov 2005 17:02:21 -0000***
***Subject: Mars image (Nov 9th, 2005.)***

Hi all, Here's my best shot from last night. The seeing was diabolical, probably 3-4, but the result was better than expected. Olympus Mons still bright. All details on the image. Best Regards

**Ian SHARP** (ｲｱﾝ・ｼｬｰﾌﾟ WS, UK 英)

●・・・・・・・***Date: Thu, 10 Nov 2005 23:54:05 -0000***
***Subject: Mars 9th Nov***

Hi Guy, Here are last nights images, seeing was poor, with the profile distorting. I gave up 30 mins after this shot. Mars seems to image reasonably well in poor conditions, quite unlike Saturn, which demands the best of conditions. The Lumenera of course is running at about 72 frames per second with the red filter which was also used for luminance, this frame rate may be helping.

I have included Saturn from the morning of the 9th. Imaging at 17 frames per second. It looks quite sad by comparison, in the same sort of conditions

C11 *f*55 RRGB Trutek type 1 red, type 2 blue and green. 4000 frames used out of 5000 for all filters.

○・・・・・・・***Date: Mon, 14 Nov 2005 18:00:24 -0000***
***Subject: Mars 12 nov***

Hi Guys, Here is a set of Mars images from the 12th, in jittery seeing. Plenty of volcanoes visible as well as a spectacular North polar region.

○・・・・・・・***Date: Wed, 16 Nov 2005 17:32:23 -0000***
***Subject: Mars 13 / 14th November***

Hi Guys, We have had truly terrible seeing over the past few day. Here are a couple of offerings belying the amount of work involved in getting them. Better seeing to all

○・・・・・・・***Date: Sat, 19 Nov 2005 18:36:37 -0000***
***Subject: Mars 16th November***

Hi Guys, Bit late with these, it only wants a few of clear nights in a row to start up a processing marathon! Seeing was fair.

○・・・・・・・***Date: Mon, 21 Nov 2005 00:07:02 -0000***
***Subject: Mars 19-Nov-2005***

Hi Guys, Seeing was good for a change, for about 45 mins in fact. Synthesised green this time, Filters Trutek type 1 red and type 2 blue. The corrector was dewing up very rapidly so no time for RGB between hair dryer applications. C14 at *f*50 Lumenera 075

○・・・・・・・***Date: Mon, 21 Nov 2005 12:37:40 -0000***
***Subject: Mars from the 17th***

Hi Guys, Playing catch-up on the processing.

○・・・・・・・***Date: Tue, 22 Nov 2005 20:05:39 -0000***
***Subject: Mars 21st Nov***

Hi guys, Here is Mars from the 21st, noticeably losing its fullness each day, but giving us a nice display of blue mistiness. Seeing during this particular evening was poor, with the best occurring 2 1/2 hours before the meridian, and at an altitude of only 43 degrees.

○・・・・・・・***Date: Wed, 23 Nov 2005 10:44:48 -0000***
***Subject: Mars 20th Nov***

Hi guys, The very soft image is due to very poor seeing, which fortunately does not spoil the beauty of the wildly variable north polar clouds, or indeed the morning clouds. C14 @ *F*50 LUMENERA 075 Trutek RsGB

○・・・・・・・***Date: Wed, 23 Nov 2005 16:08:04 -0000***
***Subject: This morning***

Hi Guys, I was drawn from my bed at 4am by a bright misty moon. Boots two tracksuits and fleeces later I looked ay it Clavius was well placed but would focus sharply despite being steady. It was grainy, Ice crystals I suppose. On screen it was simply awful, for want of other words. I still took one avi though and went in for tea. Tonight's forecast is good again, but it is a dull as ditchwater here at the moment.

○・・・・・・・***Date: Wed, 23 Nov 2005 16:23:13 -0000***
***Subject: APOLOGIES***

Sorry guy I sent to the wrong group, but so as not to completely disappoint, here's one I took earlier.

**Dave TYLER** (ﾃﾞｳﾞｨｯﾄﾞ・ﾀｲﾗｰ Bkh, UK 英)

●・・・・・・・***Date: Fri, 11 Nov 2005 03:02:14 -0500***
***Subject: Mars Observation (November 11, 2005)***

I made a pair of Mars observations on November 11, 2005 (00:45 and 01:15 U.T.) under average seeing conditions (5-6/10, periods of 7). Much detail was noted over the southern hemisphere from Solis Lacus to Mare Cimmerium. CM: 126.5 (left image) and 133.8 (right image) Ls: 322.0 De: -16.0, Ds: -14.9, p: 0.99, 19.64" Instrument: 9" *F*/13.5 Maksutov-Cassegrain. Magnification: 248x, 298x, and 388x. Filters (Wratten): 30 and 38A. S (1-10): 5-6 (periods of 7), Antoniadi (I-V): III Transparency (1-6): 5

○・・・・・・・***Date: Fri, 18 Nov 2005 02:34:32 -0500***
***Subject: Mars Observation (November 17, 2005)***

I made an observation of Mars on November 17, 2005 (05:00 and 05:45 U.T.) under average to good seeing conditions (5-7/10). Much detail was noted over the southern hemisphere from Solis Lacus to Mare Cimmerium. A bright (7/10) streak was noted along the length of Mars Sirenum (cloud vs. dust?). ・・・・・

The best of luck in your own imaging and observations of Mars. Regards,

**Carlos HERNANDEZ** (ｶｰﾛｽ・ﾍﾙﾅﾝﾃﾞｽ Miami, FL美)

●・・・・・・・***Date: Fri, 11 Nov 2005 09:16:33 -0600***
***Subject: Mars, Northern Polar Haze***

Red and blue limb coloration due to Mars being only 15 deg. from western horizon; note the intense brightness and coloration (see B (Blue) image) of the northern polar haze. Color balance is off; attempting to learn a new camera system, and the seeing was very poor.

**Clay SHERROD** (ｸﾚｲ・ｼｪｯﾛﾄﾞ ASO, AK 美)

●・・・・・・・***Date: Fri, 11 Nov 2005 09:52:49 -0600***
***Subject: Mars November 10th***

Here are images of Mars taken November 10th 2005
http://www.ghg.net/egrafton/mn-10-05.jpg
C14 at *f*/39,taken with an ST402 CCD. Seeing 7/10, Transp. 5/10, Temp 73.9.7F, Relative Humidity 83%.

○・・・・・・・***Date: Fri, 11 Nov 2005 09:53:43 -0600***
***Subject: Mars November 7th***

Here are images of Mars taken November 7th 2005
http://www.ghg.net/egrafton/mn-07-05.jpg

C14 at *f*/39,taken with an ST402 CCD. Seeing 8/10, Transp. 6/10, Temp 73.8F, Relative Humidity 86%.

○・・・・・・・***Date: Wed, 23 Nov 2005 00:27:45 -0600***
***Subject: Re: Dust Streak in Chryse 11-23-05 06:30 UT***

Hi Joel, Yes, I caught the new dust event in Chryse also. I will send the image along in a few minutes.

○・・・・・・***Date: Wed, 23 Nov 2005 00:46:18 -0600***
***Subject: Mars november 24th; Dust Event in Chryse***

Here are images from November 24th 2005 at 03:27 UT. There is a new dust event in Chryse Planitia. This area spawned a major dust event on October 17/18th. We will see over the next day or so if this is another major event for 2005 that will spread over a wide area or if this dust event will subside rapidly. There are no concentrated cores at the moment that would indicate intense activity but these could develop.

http://www.ghg.net/egrafton/mn-24-05.jpg

C14 at *f*/39,taken with an ST402 CCD. Seeing 4/10, Transp. 9/10, Temp 56.5F, Relative Humidity 63%.

**Ed GRAFTON** (ｴﾄﾞ・ｸﾞﾗﾌﾄﾝ Houston TX 美)

●・・・・・・・***Date: Sat, 12 Nov 2005 00:16:33 +0100***
***Subject: 07 Nov 2005 image***

Dear Sirs, Please find attached 1 Mars image, taken on 07 november from 's-Gravenwezel, Belgium (51.2°N, 4.5°E) at 20:57 UT. The seeing was quite good (7-8/10). The image was made with a Black & White modified ToUcam Pro 840, with broadband IR pass, R and B filters. The green image was constructed from the average of R+B. The telescope used is a 35 cm SCT @ *f*/24.

**Tom ALDERWEIRELDT**
(ﾄﾑ･ｱﾙﾃﾞﾙｳﾞｧｲﾃﾞﾙｳﾄ 's-Gravenwezel 比利時)

●・・・・・・・***Date: Sat, 12 Nov 2005 12:58:15 +0900***
***Subject: 火星画像(11 Nov)***

南様、立冬を過ぎましたが、沖縄地方は日中の気温が30℃近くまで上がる日が続いております。例年ならば北風が吹き出し肌寒くなるのですが、今年は南風で未だクーラーを使っています。このためか、気流の安定した日もあって、昨晩も雲間からでしたが､綺麗な火星が眺められました。

火星は黄雲が拡散して、模様のコントラストが低くなりましたね｡極冠の輝きも感じられません。

話はかわりますが、今年の夏頃から右肩関節に痛みがあり、整形外科で見てもらったところ四十肩とのこと。半年から一年すれば自然に治るらしいのですが、慢性的な痛みに加え、このところ腕の動きが悪くなり、ドームの開け閉めや、高く昇った火星のピント合わせなどにも不自由するようになりました。外科の薬は気休めにしかならないので諦めていたのですが、先日、家内が電話帳から近所の鍼灸院を見つけだし、半ば強制的に連れて行かされました。私は今まで針や灸など信じていなかったのですが、これがビックリするほど効果がありました｡四十肩自体は関節の炎症なので、まだ痛みは残っているのですが、腕の動きが良くなりました。何より驚いたのは、五年前から続いていた首から肩にかけてのキツイ肩こりがたった一回廿分ほどの針と灸でウソのように治ったことです。七十歳近い“オジー”が細々やっている古びた鍼灸院でしたが、東洋医学恐るべしと感じさせられました。

○・・・・・・・***Date: Mon, 14 Nov 2005 08:01:45 +0900***
***Subject: 今後の予定***

南様、沖縄地方は、この土日は珍しく天気が愚図つき、久しぶりにまとまった雨が降りました。本土で木枯らしが吹き出し、当地の天気もかわりつつあります。

さて､先日のメールで書き述べませんでしたが、当方、11月27日から来年3月27日までベトナムのホーチミン市へ出張いたします。このため、しばらくの間、不在となります。望遠鏡は持って行きませんので、火星が眺められるのも、あと二週間ほどとなります。本当は、9月からの予定だったのですが、機材の準備が遅れ、出張が伸び伸びとなっておりました。このため、諦めていた最接近時の火星を眺めることが出来ました。

鍼灸院の方は、土日が休みとあって、その後行く機会がないのですが、出張前にもう一度行き、針を打ってもらおうと考えております。

**宮 崎 勲** (Isao MIYAZAKI うるま Okinawa)

●・・・・・・・***Date: Sat, 12 Nov 2005 15:43:27 +0000***
***Subject: Olympus Mons Rising; 2005-11-12***

Hello friends, Here's an interesting angle of an almost 3D like effect of Olympus Mons.

12.5" *f*/6 Cave Astrola Newtonian @ *f*/36
Seeing 5/10 ToUcam 1/25sec, 30fps IR-UV Reduction filter 2000 frames, Registax 3 Final image is a 150% enlargement : Olympus Mons inset is an additional 150% enlargement. Best wishes,

**Rolando CHAVEZ** (ﾛﾗﾝﾄﾞ・ﾁｬｳﾞｪｽ GA 美)

●・・・・・・・***Date: Sun, 13 Nov 2005 01:46:28 +0900***
***Subject: Mars-2005-11-12-KUMAMORI***

雨上がりで良く晴れましたが、火星像は小刻みに忙しく震えていました。

○・・・・・・・***Date: Thu, 17 Nov 2005 00:17:24 +0900***
***Subject: Mars-2005-11-16-KUMAMORI***

撮影準備をしていると曇ってしまい、雲が遠ざかって晴れ始めたときは、ベランダの視界から外れかかっていました。 冬型になりずいぶんと寒くなってきました。

○・・・・・・・***Date: Sat, 19 Nov 2005 11:15:13 +0900***
***Subject: Mars-2005-11-18-KUMAMORI***

晴れたり曇ったりの不安定な天候で、シーイングも悪く写りは良くありませんが、送付させていただきます。

○・・・・・・・***Date: Tue, 22 Nov 2005 19:06:41 +0900***
***Subject: Mars-2005-11-21-KUMAMORI***

だんだんと報告できるような画像ではなくなってきました。昼間はきれいな青空でした。

○・・・・・・・***Date: Thu, 24 Nov 2005 11:45:40 +0900***
***Subject: Mars-2005-11-23-KUMAMORI***

薄雲を通しての撮影で、拡大率を下げ、少しでもとシャッター速度を上げましたが、悪シーイングはどうすることもできませんでした。

**熊森 照明** (Teruaki KUMAMORI 堺 Osaka)

●・・・・・・・***Date: Sat, 12 Nov 2005 23:41:34 +0100***
***Subject: Mars: CCD-sets 2005 Oct.18, 29, Nov.08,11***

At last, I have found some time to compute my sets of Mars aviｴs taken with my LU075M ccd cam and Portaball 12.5" Newton during October and November. I hope you enjoy my views ! regards

**Robert SCHULZ** (ﾛﾍﾞﾙﾄ・ｼｭﾙﾂ Wien 奥)

●・・・・・・・*Date: Mon, 14 Nov 2005 09:56:45 +0900*
***Subject: 11月12日の画像***

11月12日に撮影した画像をお送りいたします。Lumeneraで撮影した最初の画像です。R光はコントラストがつきましたが、G光・B光はもうひとつといったところでしょうか。特にB光はフィルターが狭いせいか、極端に暗く、画像処理には苦労しました。ボチボチ改善していきたいと思います。ご連絡まで。

○・・・・・・・*Date: Tue, 22 Nov 2005 08:57:27 +0900*
***Subject: 11月20日の画像***

11月20日の画像をお送りいたします。当日はシーイングが良くなかったのに加えて、雲が時々通り、撮像がイレギュラーになりました。二番

# TEN YEARS AGO (123)

*----CMO #169 (25 November 1995)----*

既にこの期間の観測報告はなく、南(Mn)氏も 30Oct(δ=4.2")に夕方の薄明中観測をしたが、Syrtis Mjさえ定かでなく、今期の観測を終了したとの "OAA Mars Section Report"があり、1995年観測期の終了を告げている。


Communications in Mars Observations
通信 No. 169
25 November 1995
Letters to the Editor

前号でMn氏が1992/93のBAA Reportを取り上げたが、これは相当criticalだったため、それに対するマッキム(RMk)氏のかなり長い反論・抗議があり、この号はそのLtEから始まり、それに対してまたMn氏がこの植民地主義者メ!と返事をつけている。英語でケンカをするのはMn氏ならではというところで、事の次第は前号から読み返さなければならないが、観測結果の解釈の双方の違いとかレポートの引用などをどう捉えるかの問題の様である。双方とも印刷物の読者が白黒の判定をするだろうとのスタンスである。

LtEには、日岐敏明氏、蔡章獻先生、松本直弥氏、イタリアのGiovanni DI GIOVANNI氏からのお便りと、筆者からのものがある。日岐氏は火星写真撮影に初挑戦の話、蔡先生・松本氏は南アジア皆既日食の話題である。筆者のものは、福井を訪ねたときの御礼で、このときのことは別稿「福井だより」でMn氏が纏められている。筆者の福井訪問はタイでの皆既食観測のあとで、このころ火星はもう遙か西、木星と金星と三者ファインダーに入るというときであった。また土星の環の消失の頃である。

"1994/1995 Mars Note (4)"「**シヌス・サバエウスの東端とマレ・セレベンティス**」と題して、1992/93接近の時と比べて濃化した当該地域について、寄せられた国内の観測をもとに、シーズンはじめの頃の様子から掘り起こしている。観測者を列挙し、寄せられた観測に関する短評が、苦言とともに語られている。この場所は変化の激しいところで、毎回毎回注意深くなければならない、という点で、どういう風に観測をなるべきかということを説いていられるのだと思う。

「**夜毎餘言**」(L)は『**火星通信**』の「編集裏話」で、印刷の時のページ立ての関係で、一ページを越える埋め草も必要な御苦労が語られている。今回は、紙面で使用している舊漢字のこと、火星地名など外国語のカタカナ表記のことなど、疑問に思う読者への回答でもある。

読み返すと、福井訪問のことが思い出される。「三井」は宇野重吉氏ご愛用のそば屋で、足羽山の下の通りに何気なく案内された。当時は派手な看板もなく(今もそうでしょうか?)、ブッカケの「おろしそば」が丼で色気無く出てきたのには少し驚いた。しかし、食べ始めると皆さんのペースは無視してアッという間に食べ終えてしまい、「おかわりをしますか?」と尋ねられたように思う。もう一度行ってみたい蕎麦屋の一つである。「福井だより」にも取り上げられているが、オリオンの大星雲に眼視観測で色彩を感じたのは、後にも先にも、このときだけで、足羽山の望遠鏡の実力を見た気がした。微かな土星の衛星達を数多く見て同定出来たのも、このときが初めてだった。二晩目の足羽山では曇ってしまい準備室でMn氏と色々なお話をした。編集部の一員に誘われたのもこの夜のことだと思う。今に続いているわけだが、電子メールもウェッブページも、まだまだ初期の段階のころの話である。

**村上 昌己 *(Mk)***

目のセットのGとBができなかったこと、撮影間隔が不揃いなのは、このためです。四番目のセットのB光は一応撮影したのですが、画像があまりにひどいので、割愛いたしました。R光はまずまずですが、GとBに関しては工夫の必要性を感じています。ことにB光の画像は暗いので、重ね合わせがうまくいっていない可能性があります。このあたりは宿題にさせてください。

○・・・・・・・***Date: Wed, 23 Nov 2005 08:58:17 +0900***
***Subject: Re: 11月20日の画像***

>色が出ませんね。砂漠の色に期待しているのですが。Bは
>もっと暗いはずで、どうしてこんなに明るいのでしょう。

画像処理の最終段階で、明るくして諧調を整えております。南さんのおっしゃる「色が出ていない」というのは、RGBの相対的な明るさのことですか？　相対的な明るさを原画像と同じにするのは(多分)簡単ですが、B画像はほとんど何も見えなくなります。

>それからLsとφは小数点以下を四捨五入してください。他に
>もそういう風に言っているので、しめしがつかない。
>　°は殆ど読めないので、ここはポイントを上げて後ウチし
>て下さい。尚、英文字は日本語のフォントではありませんか。
>形が悪い。Arialを使ってください。その場合、ωなどは出ませ
>んから、これも後ウチします。

このご指示は以前うかがっておりましたが、いつの間にか失念しておりました。申し訳ありません。以後、気をつけます。

○・・・・・・・***Date: Wed, 23 Nov 2005 19:59:21 +0900***
***Subject: Re: 11月20 日の画像***

>B畫像は、本来は北極雲と霧を覗いて真っ暗なはずです。露出
>が長すぎるのでは？

露光は15fpsで最大まで伸ばしてしますが、B画像を重ね合わせただけでは添付のb12mbb1a.jpgのような画像になってしまいます。そこで、諧調を調整してb12mbb1.jpgのような画像を作って、画像処理をしています。諧調の調整がやりすぎということでしょうか？最終的に諧調を落とすということもできます。でも原画像まで落とすと真っ黒になりますが、そうした方が良いでしょうか。

**浅　田　　正** (T ASADA 宗像　Fukuoka)

●・・・・・・・***Date: Mon, 14 Nov 2005 20:15:15 +0100***
***Subject: Mars Nov 13/14 session 2 LRGB***

Attached is an LRGB version,showing beautifully the color-difference of Olympus Mons and surroundings. This might be one of my best Mars image so far this apparition. Best wishes,

http://img407.imageshack.us/img407/2875/m20051113p74wz.jpg

○・・・・・・・***Date: Mon, 14 Nov 2005 21:12:01 +0100***
***Subject: Mars Nov 13 dust storm remnant***

Hi all, I think I captured the remnant of the first large duststorm (arrowed). It appears as a triangle shaped patch near the SPC. 2005/11/13 23:03UTC CM=075° Ls=323°　ph.a=05.1°　d=19.5" 10 inch Newtonian & ATK-1HS @ *f*/65 R(G)B.　Best regards,

**Ralf VANDEBERGH** (ラルフ・ファンデ゛ヘ゛ルフ　荷)

●・・・・・・・***Date: Mon, 14 Nov 2005 17:27:29 -0500***
***Subject: 20 second mars***

October was my only chance to image Mars at 20 arc seconds. Beggars can't be choosers - but a steady night would be nice one of these days!! cheers -

○・・・・・・・***Date: Tue, 15 Nov 2005 13:54:22 -0500***
***From: Alan Friedman To: Masatsugu MINAMI***
***Subject: Re: 20 second mars***

Thanks so much for your kind note!　best wishes,

○・・・・・・・***Date: Fri, 18 Nov 2005 16:35:38 -0500***
***From: Alan Friedman To: David Arditti***
***Subject: Re: Mars Nov 16***

Hi David (ARDITTI)-　From my experience, the conflict seems to be with AOL rather than a PC/Mac problem. For some reason AOL compresses .JPG and .DOC documents into a two part mime something or other that most AOL users cannot makes heads nor tails of. Other than this, jpegs from Photoshop and .docs from MSword seem to travel well from my Mac to PC users.

Your attachment came through fine for me - the colors are indeed very nice. best wishes,

**Alan FRIEDMAN** (ｱﾗﾝ･ﾌﾘｰﾄﾞﾏﾝ　Buffalo NY美)

●・・・・・・・***Date: Tue, 15 Nov 2005 00:02:13 +0100***
***From: Christophe Pellier To: Alan Friedman***
***Subject: Re: 20 second mars***

Hi Alan, your image is one of the very few that show the yellow dust haze. This is a proof of excellence !
best wishes

○・・・・・・・***Date: Sun, 20 Nov 2005 18:07:58 +0100***
***Subject: Mars, november 9th and 13th***

Hi all, I'm late in sending my last observations. Here are two taken under poor seeing (9th) and fair (13th) not much to comment on. Best

http://www.astrosurf.org/pellier/M051109-CPE
http://www.astrosurf.org/pellier/M051113-CPE

○・・・・・・・***Date: Sun, 20 Nov 2005 18:50:53 +0100***
***Subject: Mars, november 16th***

Hi again, here is a set from the 16th - seeing was good

http://www.astrosurf.org/pellier/M051116-CPE

Note the beautiful morning mists !

○・・・・・・・***Date: Mon, 21 Nov 2005 22:52:34 +0100***
***Subject: Mars, november 17th***

Hi all, fair seeing on the 17th -

http://www.astrosurf.org/pellier/M051117-CPE

The images show the presence of a (must be) dustier cloud front in the NPH (noticed by Andrea if I'm not wrong). It looks slightly cream-colored in RGB. I've just to send now the best night on the 18th - see you tomorrow !

○・・・・・・・***Date: Wed, 23 Nov 2005 22:11:47 +0100***
***Subject: Mars, november 18th***

Hi all, there was an inversion layer that night and seeing was excellent just a few hours before fog began.

http://www.astrosurf.org/pellier/M051118a-CPE
(visible wavelenghts)
http://www.astrosurf.org/pellier/M051118b-CPE
(IR, violet, UV)

I like most the morning mists - much details can be seen on them. On the blue, violet, UV images they can even be followed as streaks extending into the morning sol (martian day). I tried a true LRGB image. LRGB can bring a better resolution than RGB if seeing is very good, alhtough the image is more difficult to build at same level of quality. An interesting word I think about this image - you can see some circular lines at the following side (morning) already seen back in october on some Damian and Dave Tyler's blue images... well I have the explanation: it's an artefact caused by a reflection on some optical pieces (I don't know which). The ghost Mars located at left is visible in the original fit frame with proper level adjustment.　Best wishes

**Christophe PELLIER** (ｸﾙｽﾄﾌ･ﾍﾟﾘｴ　*nr* Paris 法)

●・・・・・・・***Date: Mon, 14 Nov 2005 17:45:19 -0600***
***Subject: Re: Mars images (November 12th, 2005.)***

Hello Damian and list, I sent an e-mail out to the mars observers list and members of the BAA about a week and a half ago about the albedo of Margaritifer Sinus being changed after the dust storm. Haven't heard a word about it mentioned since then. I first noticed it from the images submitted to the CMO and haven't had a chance to image the area yet. Perhaps now that "The Man" has noted it we can get some comments on it. :) Great images as always. You set the bar high and even though most of us won't reach it, it is fun trying to. Regards,

○・・・・・・・***Date: Wed, 23 Nov 2005 00:04:55 -0600***
***Subject: Dust Streak in Chryse 11-23-05 06:30 UT***

Hello everyone, I'd like to report a large dust streak in Chryse. I'm -guessing- its about 1000 miles long and 200 miles wide. Isn't real bright yet, so I'm thinking its early in formation. This area was clear at this time 24 hours ago. Very distinct in all color channels and appears at this time to be headed towards Solis Lacus. I'll have images available in a few hours or less.

○・・・・・・・***Date: Wed, 23 Nov 2005 00:44:53 -0600***
***Subject: Dust streak in Chryse***

Hello everyone, Here is the image of the long dust streak in Chryse. Must be very early in formation. I'm going to look at my other images over the past 24 hours and see if I can pick it up.

http://marswatch.amaonline.com/11-22-052325.jpg

○・・・・・・・***Date: Wed, 23 Nov 2005 01:01:13 -0600***
***Subject: Dust Streak in Chryse***

It appears I did image it approx 2 hours earlier, virtually the same time as Ed, perhaps a few minutes before. I had put it off as typical Chryse brightening.

http://marswatch.amaonline.com/11-22-052120.jpg

○・・・・・・・***Date: Wed, 23 Nov 2005 14:32:04 -0600***
***Subject: Dust in Chryse/trying to find the origin/time***

Hello everyone, I've gone back and compared the early confirmed dust images of the Chryse/Candor region from 11-23-05 UT to 3 images, 24 hours earlier, of the same exact region. They are presented below, with high contrast detail images of Chryse/Candor. All information is noted on the image. There is possible activity noted on the 22nd at 05:15 UT, but in my amateur and humble opinion, it is just typical PM evening clouds. What is a bit interesting is that between 03:25 UT and 05:15 UT on the 23rd, the line of dust appears to become better defined and more intense. Seems like that would be a rather rapid intensification, so I'm guessing it is just due to the angle/optical.

http://marswatch.amaonline.com/11-23-05dustcomp.jpg

○・・・・・・・***Date: Wed, 23 Nov 2005 21:08:52 -0600***
***Subject: Image: 11-24-05 02:30 UT***

Greetings all, The images from this evening are making it look like the dust streak from 11-23-05 UT was a short lived event. This is my second image showing the same area from 24 hours ago. I'm not going to post anymore single images unless the dust appears in the next few hours. I'll have a compliation of tonight's images put together in the next day or so.

http://marswatch.amaonline.com/11-24-050230.jpg

Regards,

**Joel WARREN** (ｼﾞｮｴﾙ･ｳｫｰﾚﾝ TX 美)

●・・・・・・・***Date: Mon, 14 Nov 2005 21:29:21 -0500***
***Subject: Mars images (November 12th, 2005.)***

Hello everyone... Well, the jet stream finally disappeared for a few days and allowed me to grab a few decent image (by my standards anyway). I will have a few more sets to send, but these are the better of the lot from Nov 11/12. I used the 30cm SCT scope @ *f*40, and the ATK-1HS camera, controlled with K3CCD tools. The best 900 frames from approx 1200 were combined in Registax 3 for the LRGB sets and 500 of 600 IR and 80 of 100 UV were used. Filters were from the Schuler line. I have had no luck getting any good images with the Lumenera camera, so I will wait for an update of K3CCD to run it. Until then, the Atik camera will be my choice.

**Brian COLVILLE** (ﾌﾞﾗｲｱﾝ･ｺﾙｳﾞｨﾙ Ontario 加)

●・・・・・・・***Date: Mon, 14 Nov 2005 20:56:07 -0600***
***Subject: Dust activity on 2005 Oct. 21***

I was just processing some of my images from 21 Oct and I thought that the attached comparisons might be of interest to people. I haven't done a careful alignment of the images, nor been consistent in the processing, but I thought that people might enjoy blinking back and forth between them. One can see an impressive number of changes in features.

Blinking between images illustrates various things from how active Mars is when you look carefully, to issues in comparing images from different observers. Notice the consistency between my images 34 and 35, but the apparent differences between my images and Clay Sherrod's image taken at almost exactly the same time as I was observing. To me these sorts of comparisons casts light on comparing drawings by old observers. All the best

**Martin GASKELL** (ﾏｰﾁﾝ･ｶﾞｽｹﾙ *Univ Nebraska*, NE 美)

●・・・・・・・***Date: Tue, 15 Nov 2005 14:07:26 +0100***
***Subject: RE: CMO#311***

Dear Masatsugu, Thank you for your note. And yes, thanks, I received your confirmation concerning my drawings from the latter half of October.

I agree, Mars is not easy to observe visually these days, but I've been under the impression that it was mostly because of fairly bad seeing here in Denmark. I had some luck with the Solis Lacus area, but the Sinus Meridiani-Margaritifer Sinus region, which I observed two days ago, was very indistinct - I could not, however, make out any other clear signs of dust than some limb arcs and an equatorial evening cloud bright in W 25, and seeing was rotten. The only thing I feel I have some luck with is south polar hazes as seen in the green filter, W 58. They are quite amazing.

I shall soon send you my observations from the first half of November. Best regards,

○・・・・・・・***Date: Wed, 16 Nov 2005 09:52:15 +0100***
***Subject: RE: FW:Re: 20 second mars***

Dear Masatsugu, Actually, I think I understand very well the difference between a dust cloud and (generalized) dust haze. If I said in 2003 that I hadn't noticed anything in particular (which I don't remember very clearly, but you're probably right) it most likely has to do with the fact that there had been a large dust storm BEFORE I started observing, and since I was somewhat "out of practice" after a hiatus of nearly 4 years (I had to skip the 2001 apparition altogether because of Mars' extremely low declination that year) I simply didn't really remember what to expect, and moreover, the big size of the 2003 Mars to some degree compensated for the lower

contrast of the surface features.

But I'm quite aware of what a dust cloud (= dust storm) is - it is the one thing I have yet to see on Mars. Dust storms ALWAYS are on the night side of Mars when I'm observing ...you could probably use me as a kind of negative foretelling device: if I've planned to ! observe at a certain date and hour, you can be pretty sure that no dust storm will ever develop on the region of Mars facing Earth at that time!

Joking apart, I do see the generalized dust haze in the Martian atmosphere right now. The limb arcs are bright in red (W25) at the moment, whereas they normally are invisible in this filter. (So you see, I don't agree with you that the generalized haze can never be seen in red filters. But, of course, it can't be seen on the inside of the planet's disk - just along the edges, when it's thick enough, which it seems to be for the time being.) I had a most lovely observing session last night (November 15) with excellent seeing for a change, a rating of 8/10, and I readily agree now that the surface features were not easy to see as a whole, even in this kind of great seeing. I did, however, see the extremely tiny SPC, which was a big surprise for me, as I thought it had become far too small to see in a telescope like mine (I watched with the CM being around 15°W). I also managed to see the horns of Meridiani Sinus, and this is the first time EVER that I've seen those with my own eyes. Great!!! Can you, by the way, tell me their names? I can't see any on the Ebisawa map, of which I have a (rather dark) photocopy.

I shall send you my drawings from the first half of November in paper form, as usual.

Always a pleasure to "talk" to you! All the best to you,

○・・・・・・・***Date: Fri, 18 Nov 2005 09:40:19 +0100***
***Subject: RE: RE:Drawings in the mail***

Dear Masatsugu, Thanks for your quick reply! Yes, I see that my mail looks pretty terrible to you. Unfortunately, there is not much I can do about it. You see, my mail server underwent some modernization this summer, and ever since my mails have looked strange and partly illegible to the receivers. ・・・・・・・

I was very amused to learn that Pellier has had the same feeling about dust and Europe that I have. But, of course, I realize that on my part it's because on normal weekdays I have the choice between observing at a rather early hour or not observing at all. If I didn't have to get up at 6:25 the next morning, or if I didn't have the need for (at least) 8 hours of sleep to be able to function the next day, I certainly would have waited till a later hour with my observing. And then I wouldn't have missed the dust, as I did now. All the best,

○・・・・・・・***Date: Wed, 23 Nov 2005 10:01:34 +0100***
***Subject: RE: Received***

Dear Masatsugu, Thank you for your mail. Yes, I am disappointed too; I've seen the images on the CMO website and felt awful. But I didn't notice anything in the Olympus Mons region at the time. I confess that I might have simply overlooked it. At least, it wasn't an obvious feature. But I do feel bad about it.

On a more humorous note, I see that in NASA language there is no such thing as a dust storm in the Meridiani region. What happens is that rover Opportunity undergoes A CLEANING EVENT. I loved that!

By the way, I think it's quite interesting that the net effect of a dust storm sweeping over the rovers is that the solar panels are actually swept clean. One could have imagined otherwise, a settling of new dust on them. But evidently, the STORM part of the concept of a dust storm is more influential than the DUST part.

Good luck to you in your observations, and

Best wishes,

**Elisabeth SIEGEL**(ｴﾘｻﾍﾞﾄ･ｼｰｹﾞﾙ Malling丹麥)

●・・・・・・・***Date: Wed, 16 Nov 2005 11:42:24 +0100***
***Subject: Mars Nov. 8,10 and 11***

Dear all, After a short trip to southern France, find here drawings made under good seeing at some times (for a short while on the 8th before clouds came in). Olympus Mons was visible although more clearly after crossing meridian. I think Solis Lacus changed shape since early october (due to the storm?) - visually it looks more extended or at least its surroundings although changed - what do you think? Clear Skies,

**Nicolas BIVER** (ﾆｺﾗ･ﾋﾞｳﾞｪｰﾙ Versaille 法)

●・・・・・・・***Date: Fri, 18 Nov 2005 13:53:14 +0900***
***Subject: 十一月前半の観測結果の送付について***

十一月15日締めのスケッチのコピーを16日に普通便で発送しました。今日か明日には届くことと思います。

この期間は衝を含み観測の絶好期でしたが、様々な事情で晴天を何回も見送らざるを得ませんでした。たった四枚の報告となり、申し訳ありません。13 Novも望遠鏡を据えたのですが、シーイングが最悪で火星像は完全な沸騰状態。40分後も回復してはおらず、スケッチは諦めました。季節が急に冬季になった感じで、上空へ寒気が流入してくることが多いようです。

飛び飛びの観測になることは避けられそうにありませんが、できるだけ火星に望遠鏡を向けるようにしています。寒さの厳しい時期になってきましたので、お身体には充分お気おつけください。

**岩 崎 徹** (Tohru IWASAKI 北九州 Fukuoka)

●・・・・・・・***Date: Sat, 19 Nov 2005 09:51:23 -0600***
***Subject: Mars Nov 19, 2005***

Here is an image from lastnight. Seeing was pretty good, with cold tempertures in the mid 20's farenhiet.
http://members.verizon.net/~whd/images/20051119_whd.jpg
Regards,

**Bill DICKINSON** (ｳｨﾘｱﾑ･ﾃﾞｨｷﾝｿﾝ VA 美)

●・・・・・・・***Date: Sun, 20 Nov 2005 15:54:47 +1100***
***Subject: Mars 19th November UT***

Here is an image of Mars taken on the 19th November. Seeing was quite poor, & I managed to just get this between clouds.. Best Wishes

○・・・・・・・***Date: Tue, 22 Nov 2005 19:16:34 +1100***
***Subject: Mars 20th November 2005***

Attached is a composite of two images taken on the 20th November. Finally our seeing here was bordering on 'good'. I hope that it continues... Best Wishes

**Maurice VALIMBERTI**
(ﾓｰﾘｽ･ｳﾞｧﾘﾝﾍﾞﾙﾃｨ Mebourne 澳)

●・・・・・・・***Date: Mon, 21 Nov 2005 18:18:08 +1100***
***Subject: Mars images from 20 Nov***

Attached are my Mars images from the 20th of November. At last the seeing was reasonable.

**Stefan BUDA** (ｽﾃｨﾌｧﾝ･ﾌﾞﾀﾞ Melbourne 澳)

●・・・・・・・***Date: Tue, 22 Nov 2005 21:56:47 +0000***
***Subject: Mars***

Dear Masami, I attached two images from nights ofpoor seeing. I used a 25.4 cm *f*/12 refl., 3×barlow, UV/IR block, ToUcam Pro, Registax 3, Photoshop Elements.
Sincerely,

**Randy TATUM** (ﾗﾝﾃﾞｨ･ﾃｰﾀﾑ VA 美)

●・・・・・・・***Date: Wed, 23 Nov 2005 11:05:51 -0700***
***Subject: Re: Mars on November 22***

Hi Masatsugu, You have a good memory! Yes, I moved to Arizona in 2002. The seeing is not as good here as in the Marshalls. 2003 Mars was very poor for me. I'll send some more images if the seeing permits.

Best wishes to you too,

**Kent DeGROFF** (ｹﾝﾄ･ﾃﾞｸﾞﾛｯﾌ AZ 美)

●・・・・・・・***Date: Wed, 23 Nov 2005 19:59:40 -0500***
***Subject: Mars on Thanksgiving Eve***

I remember observing on November 24 - 30, 1982 when a dust storm blew up and I could not find anyone to verify it. So, I called Don Parker's cousin and he was there for Thanksgiving meal and after telling his of the dust storm he arranged to fly back home the next morning to observe and photograph it. Those were he days when we were dedicated. Can't remember if he imaged anything or not because the storm subsided during the first week December 1982. The good old days.

**Jeff BEISH** (ｼﾞｪﾌ･ﾋﾞｰｼｭ FL 美)

●・・・・・・・***Date: Thu, 24 Nov 2005 13:07:23 +0100***
***From: "Paolo R. Lazzarotti" To: Christophe Pellier***
***Subject: Re: Mars, november 18th***

Hi Chris, A very beatiful set of images!! I love so much those mists, too, I never seen such an intensity over all this apparition! Bravo!

About the image ghosting, I came to the same conclusion, so I didn't submit any report to Lumenera. I can also say the ghost image is always seen in a simmetrical position respect to the scope's optical axis, so this is not due to the ccd camera in any way. If the camera would be "echoing" the signal in a some odd way, the offset would be always costant but this is not the case.

Last but not least, the opacization effect is not costant and it changes with wavelenght. If a treatment is good in the visual band, that could be poor with IR imagery and viceversa! Be aware with your optical train!

**Paolo LAZZAROTTI** (ﾊﾟｵﾛ･ﾗｯｻﾞﾛｯﾃｨ Massa 義)

●・・・・・・・***Date: Thu, 24 Nov 2005 00:11:10 +0900***
***Subject: Mo23Oct, 18Nov, 22Nov_05***

折角メールを頂きながら、送るのが遅くなってしまいまいた。23Octを送ります。Seeingがあまり良くなくはっきりした像ではありませんが…

浅田さんのおかげでインストールが完成したLu075Mでの撮像を始めています。撮るのは非常に簡単ですが、画像の処理がまだはっきりしません。もう少し勉強が必要のようです。

**森田 行雄** (Yukio MORITA 廿日市 Hiroshima)

●・・・・・・・***Date: Thu, 24 Nov 2005 11:25:28 -0600***
***Subject: Fw: mars observations***

I am sending a few more observations. A base image of the Mare Erythræum region pre-dust storm as it appeared at Mt. Hamilton in 2003 (the region wasn't disposed to my view in 2005) and two drawings -- the best I was able to make -- of the dust storm obtained after I returned here to Willmar, Minnesota.

Dust storm 1 is a drawing made October 29, 2005, approx. 7:00 GDT at Willmar, MN with my C-11, magnifications 200x and 270x, seeing Antoniadi 3.

Dust storm 2 is the view the following day; October 30, 10:00 GMT, similar circumstances of observation. I made some drawings as well of earlier dust storm activity but was less satisfied with the results. With best wishes,

**Bill SHEEHAN** (ｳｨﾘｱﾑ･ｼｰﾊﾝ MN 美)

☆ ☆ ☆

**シー・エム・オー・フクイ** **中 島 孝 *Nj***

★前号報告以降、**神崎 一郎**様(373)、**石 橋 力**様(374)よりカンパを頂戴しました。
有難うございました。不一

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