

## MARS

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## OBSERVATIONS

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**CMO Mars Observations during the Second Half of September 2005**  
**from 16 September (289°Ls) to 30 September 2005 (298°Ls)**  
**2005年九月後半(16 Sept~30 Sept)の火星面観測**

南 政 次 Masatsugu MINAMI at Mt Hamilton

**F**rom this issue, we shall publish the CMO Mars report fortnightly for a couple of months (the preceding issue was too full of data as well as LtE to pursue the usual page making). So this time we shall treat the observations made during a fortnight period; from 16 September 2005 ( $\lambda=289^\circ\text{Ls}$ ) to 30 September 2005 ( $\lambda=298^\circ\text{Ls}$ ). During this period the apparent diameter  $\delta$  went up from 15.9" to 17.7". The altitude of Mars at meridian has been quite high (from the standpoint of the N Hemisphere) since the apparent declination was up from  $15.6^\circ\text{N}$  to  $16.5^\circ\text{N}$ . The central latitude kept maximal at  $\phi=11^\circ\text{S}$ , while the phase angle  $\iota$  rapidly went down from  $38^\circ$  to  $31^\circ$ . On 16 Sept, from Europe the regions where Syrtis Mj was seen were watched, and in America, the region of Solis L faced to them. The observers at Asia-Oceania watched the regions from M Sirenum to M Cimmerium. The observations at dawn at the west coast (around 13 hrs GMT) are now connected with the early observations in Asia-Oceania (13h GMT=22h JST).

♂.....今回から暫く半月毎の報告とする(前号では思わぬ観測量とLtEの多さに編集上困ったことが起きた。急遽増頁したが、行詰め、フォント改変など餘儀なくされた)。今回は従って16Sept( $\lambda=289^\circ\text{Ls}$ )から30Sept( $\lambda=298^\circ\text{Ls}$ )迄である。この間視直径 $\delta$ は15.9"から17.7"に伸びた。南中高度も高くなり、視赤緯は $15.6^\circ\text{N}$ から $16.5^\circ\text{N}$ に來ている。屈折では南中時非常に辛い。火星面中央緯度は $11^\circ\text{S}$ を保ったが、位相角 $\iota$ は $38^\circ$ から $31^\circ$ へ急激に落ちた。16Septにはヨーロッパではシュルティス・マイヨルの見える範囲、アメリカではソリス・ラクス中心、アジア・オセアニアではマレ・シレヌムからマレ・キムメリウムの見える範囲で始まった。アメリカ西海岸の夜明けの観測(13hrsGMT)は日本の早い観測(22hJST = 13hGMT)と繋がるどころまで來ている。

**T**he following is the list of the observers who contributed this time.

♂.....今回報告を受けた観測者のリストである。ccd像は全てCMO-Webに掲載されている。

**ADELAAR, Jan ヤン・アデラール (JAd)** 荷蘭 Arnhem, Nederland

2 CCD Images (18, 23 September 2005)  $f/40,42 \times 23\text{cm}$  SCT with a ToUcam

**AKUTSU, Tomio 阿久津 富夫 (Ak)** セブ Cebu, the Philippines

11 CCD Images (22, 24, 25, 28, ~30 2005)  $f/28 \times 20\text{cm}$  SCT with ToUcam

**ALDERWEIRELDT, Tom トム・アルデルヴァイレルト (TAI)** 's-Gravenwezel, Belgium

1 CCD Image (18 September 2005)  $f/33 \times 35\text{cm}$  SCT with ToUcam Pro

- ANDERSON, David** デヴィッド・アンダーソン (*DAd*) nr Greenwood, SC, USA  
4 CCD Images (17, 19, 21, 23 September 2005)  $f/44 \otimes 40\text{cm}$  spec with a ToUcam 740
- ARDITTI, David** デヴィッド・アーディッチ (*DAr*) 英國 Stag Lane Observatory, Middlesex, UK  
6 CCD Images (17, 27, ~29 September 2005)  $f/50 \otimes 25\text{cm}$  D-K with ATK-1HS II
- ASADA, Tadashi** 淺田 正 (*As*) 福岡・宗像 Munakata, Fukuoka, Japan  
4 CCD Images (21 September 2005) 30cm SCT with a Panasonic MX5000, ST-5C
- BATES, Donald R** ドン・ベーツ (*DBt*) 徳克薩斯 Houston, TX, USA  
3 CCD Images (18, 23, 25 September 2005)  $f/18,27,30 \otimes 25\text{cm}$  spec with a ToUcam
- BAYART, Jean-Christophe** ジャン・クリストフ・バヤール (*JBy*) 法國, France  
1 CCD Image (22 September 2005)  $f/60 \otimes 25\text{cm}$  Mewlon with a ToUcam
- BOLZONI, Simone** スイモーネ・ボルツォーニ (*SBI*) 義大利 Busto Arsizio, Italia  
1 CCD Images (16 September 2005) 20cm SCT with ToUcam Pro II
- BOSMAN, Richard** リシャルト・ボズマン(*RBs*) 荷蘭 Enshed, Nederland  
2 CCD Images (21, 23 September) 28cm SCT with an ATK-2HS
- BUDA, Stefan** ステイーファン・ブダ (*SBD*) 墨爾本 Melbourne, Australia  
2 CCD Images (20, 26 September 2005)  $f/30 \otimes 40\text{cm}$  D-K with a ToUcam Pro
- BUNGE, Robert** ボブ・バンジ (*RBg*) 馬里蘭 Bowie, MD, USA  
4 Drawings (19, 21, 23, 28 September 2005) 260, 480×43cm  $F/7.8$  spec
- CHAIKIN, Andrew** アンドルー・チャイキン (*ACk*) Arlington, VT, USA  
1 CCD Image (22 September 2005) 28cm SCT with a ToUcam
- CHAVEZ, Rolando** ロランド・チャヴェス (*RCv*) Powder Springs, GA, USA  
3 CCD Images (17 September 2005)  $f/50 \otimes 25\text{cm}$   $F/12.5$  Maksutov with a ToUcam
- COLVILLE, Brian** ブライアン・コルヴィル (*BCI*) 安大略湖 Ontario, Canada  
1 Set of CCD images (21 September 2005)  $f/47 \otimes 30\text{cm}$  SCT with ATK-1HS
- DICKINSON, William H** ビル・ディキンソン (*WDc*) Glen Allen, VA, USA  
7 CCD Images (18, 21, ~23, 28, 30 September 2005)  
 $f/25, 50 \otimes 20\text{cm}$  SCT with a ToUcam Pro II
- FUMEGA UCHA, Camilo** カミーロ・フメガ (*CFm*) 西班牙 Ourense, España  
1 CCD Images (18 September 2005) 31cm spec with a ToUcam
- GORCZYNSKY, Peter** ピータ・ゴルチンスキイ (*PGc*) Oxford, CT, USA  
3 CCD Image (19, 21, 22 September 2005) 18cm Mak-Cass with a ToUcam
- GRAFTON, Edward A** エド・グラフトン (*EGf*) 徳克薩斯 Houston, TX, USA  
4 Sets of CCD Images (17, ~20 September 2005)  $f/39 \otimes 35\text{cm}$  SCT with an ST402
- HEFFNER, Robert** ロバート・ヘフナー (*RHf*) 名古屋 Nagoya, Aichi, Japan  
1 CCD Image (25 September 2005)  $f/30 \otimes 28\text{cm}$  SCT with Lu075C
- HERNANDEZ, Carlos E** カルロス・ヘルナンデス (*CHr*) 佛羅里達 Miami, FL, USA  
1 Set of Colour Drawings (28 September 2005) 250, 340×23cm  $F/13.5$  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 Images + 1 IR Image(19, 22 September 2003)  
 $f/50 \otimes 30\text{cm}$  Dall-Kirkham, ToUcam ICX424
- HUNTUR, David** デーヴ・ハンター (*DHn*) York, Uk  
3 CCD Images (12, 24 September 2005)  $f/30 \otimes 25\text{cm}$  spec with an ATK-1HS
- KARRER, Michael** ミハエル・カッレル (*MKr*) 奧地利 St Radegund, Österreich

- 2 CCD Images (23, 26 September 2005) 18cm Meade Refraktor with a ToUcam  
**KOWOLLIK, Silvia シルヴィア・コヴォリク (SKw)** Ludwigsburg, Deutschland  
 13 CCD Images (18, 19, 25\*, 26\* September 2005)  
 18cm refr/f/41 ⊗ 15cm spec\* with a ToUcam 740
- LOMELI, Ed エド・ロメリ (ELm)** Sacramento, CA, USA  
 8 CCD Image (18, 29, 30 September 2005) 23cm SCT with a ToUcam
- MASSÓ MILLEURO, Félix フェリックス・マツソ (FMr)** 西班牙 La Coruña, Galicia, España  
 4 CCD Images (18, 22, 30 September 2005) 21cm Dall-Kirkham with Quickcam 3000
- MATSUMOTO, Naoya 松本 直弥 (Mt)** 佐世保 Sasebo, Nagasaki, Japan  
 2 CCD Images (16 September 2005) 40cm spec with a ToUcam
- MELILLO, Frank J フランク・メリッロ (FMI)** 紐約 Holtsville, NY, USA  
 5 CCD Images (22, 25, 28 September 2005)  
 20cm SCT with a Starlight Xpress MX5 + ToUcam
- MINAMI, Masatsugu 南 政次 (Mn)** 福井 Fukui, Fukui, Japan  
 33 Drawings (17, ~19, 25, 28, ~30 September 2005)  
 400, 480, 600×20cm GOTO ED refractor\*  
 \* Fukui City Observatory 福井市自然史博物館屋上天文臺
- MOBBERLEY, Martin P マーチン・モッバーレイ (MMb)** Cockfield, Suffolk, UK  
 7 Sets of CCD Images (21, ~23, 23/24, 26, 28 September 2005)  
 f/50 ⊗ 25cm F/6.3speculum with Lu075M
- MOORE, David M デヴィッド・ムーア (DMr)** 亞利桑那 Phoenix, AZ, USA  
 9 Sets of CCD Images (16, 19, 22, 23, 29 September 2005)  
 f/37 ⊗ 25cm speculum with ATK-IHS
- MORITA, Yukio 森田 行雄 (Mo)** 廿日市 Hatsuka-ichi, Hiroshima, Japan  
 5 Sets of RGB Images + 6 IR Images (18, 22 September 2005) 25cm spec with ST-5C
- MURAKAMI, Masami 村上 昌己 (Mk)** 藤澤 Fujisawa, Kanagawa, Japan  
 15 Drawings (16, ~18, 30 September 2005) 320, 400×20cm speculum
- NAKAJIMA, Takashi 中島 孝 (Nj)** 福井 Fukui, Fukui, Japan  
 23 Drawings (16, 18, 22, 28, 29 September 2005)  
 400, 480, 600×20cm 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  
 10 Drawings (16, ~19, 29 September 2005) 400×20cm refractor
- PARKER, Donald C ドン・パーカー (DPk)** 佛羅里達 Miami, FL, USA  
 7 Sets of CCD Images (16, 27, 29 September 2005)  
 f/55 ⊗ 41cm F/6 spec equipped with an ST9XE
- PARKER, Timothy J ティム・パーカー (TPk)** 加利福尼亞 LA, CA, USA  
 4 CCD Images (26, 29 September 2005) 20cm SCT with a Flear Firewire camera
- PEACH, Damian A デミアン・ピーチ (DPc)** 英國 Loudwater, Buckinghamshire, UK  
 17 Sets of CCD Images (17, 18, 20, ~24, 28 September 2005)  
 f/40 ⊗ 35cm SCT with Lu075
- PELLIER, Christophe クリストフ・ペリエ (CPI)** 法國 Noisy-le-Grand, France  
 11 Sets of CCD Images +4 IR + 1 B Images (17, ~22 September 2005)  
 f/53 ⊗ 21cm Mewlon with ToUcam II (B&W)
- PHILLIPS, Jim ジム・フィッリプス (JPh)** Charleston, SC, USA  
 6 CCD images (20, 21, 24, 26 September) 20cm TMB with an ATik Color Camera
- ROSOLINA, Michael マイケル・ロゾリーナ (MRs)** 西維吉尼亞 Friars, WV, USA

- 1 Colour Drawing (18 September 2005) 250, 340×20cm SCT  
**San EMETERIO SANTOS, Francisco (FEm)** フランシスコ・サン・エメテリオ Labastida, España
- 2 CCD Images (20, 22 September 2005) 18cm Mak ATik 1C  
**SÁNCHEZ, Jesús R** ヘスス・サンチェス (JSc) 科爾多瓦 Córdoba, España
- 7 CCD Images (19, 20, 30\* September 2005)  
 $f/40 \otimes 28\text{cm SCT} / *f/50 \otimes 18\text{cm Mak-Cass with a ToUcam}$
- SEIP, Stefan** ステファン・ザイプ (SSp) Stuttgart, Deutschland
- 1 CCD Image (24 September 2005)  
 $f/45 \otimes 25\text{cm Mak-Cass with a Firewire Video Camera DMK 21BF04}$
- SHERROD, P Clay** クレイ・シャロド (CSr) 阿肯色 Aso Sky Observatory, AR, USA
- 10 CCD images (17, 19, 21, 23, 26, 28, 30 September 2005)  
 $f/32 \otimes 40\text{cm RC with a ToUcam Pro}$
- TATUM, Randy** ランディ・テータム (RTm) 維吉尼亞 Richmond, VA, USA
- 3 CCD Images (19, 22, 28 September 2005) 25 cm spec with a ToUcam
- TEICHERT, Gérard** ジェラルド・タイシェルト (GTc) 法國 Hattstatt, France
- 4 Drawings (18, 20, 22, 23 September 2005) 330, 350×28cm SCT
- TYLER, David** デーヴ・タイラー (DTy) 英國 Flackwell Heath, Buckinghamshire, UK
- 12 Sets of CCD Images (17\*, 18\*, 20, ~24, 26, 28 September 2005)  
 $f/46 \otimes 28\text{cm SCT with ToUcam 840*/ Lu075}$
- VALIMBERTI, Maurice** モーリス・ヴァリムベルティ (MVI) 墨爾本 Melbourne, Australia
- 1 CCD Image (20 September 2005)  $f/27 \otimes 35\text{cm SCT with a ToUcam}$
- VANDEBERGH, Ralf** ラルフ・ファンデベルフ (RVb) 荷蘭 Nederland
- 7 CCD Images (17, ~23 September 2005) 25cm spc with ATK-1HS/ToUcam 740
- †**Van Der VELDEN, Erwin** エルウィン・ファン・デア・ヴェルデン (EVI) Brisbane, Australia
- 2 CCD Images (22 September 2005)  $f/35 \otimes 23\text{cm SCT with a Vesta Pro modified}$
- WALKER, Sean** ショーン・ウォーカー (SWk) Methuen, Ma, USA
- 8 CCD Images (19, 22, 24, 28 September 2005)  
 18cm Maksutov-Newtonian with a ToUcam
- WASIUTA, Mylon E** マイロン・ワシュータ (MWs) Spotsylvania, VA, USA
- 1 Set of CCD Images (17 September 2005) 20cm SCT with ATK-1HS
- YUNOKI, Kenkichi** 柚木 健吉 (Yn) 堺 Sakai, Osaka, Japan
- 39 Sets of CCD Images + 8 R Images (16, ~19, 23, 26, 28, ~30 September 2005)  
 20cm spec with ATK-1HS II

**A** ctivity of the NPH: Since mid-September,  $\phi$  read  $11^\circ\text{S}$  and so the north polar hood (nph) was further caught more easily than before (note however  $\phi$  goes back from mid-October). Because of this simple fact the observations of the nph over M *Acidaliu*m and Utopia appeared interesting: **a) Around M *Acidaliu*m**: On 16 Sept ( $\lambda=289^\circ\text{Ls}$ ) at  $\omega=002^\circ\text{W}$ , Don PARKER (DPk) already showed a deep area of M *Acidaliu*m was quite dark in R (RG610) where we do not however necessarily see a hole explicitly in B while the G images show more explicitly the hole of the nph. MOORE (DMr) could have chased it on the day upto  $\omega=088^\circ\text{W}$ . We do not know how they choose the observation time, but the separation by 7 hours sounds attractive (DPk at 5:50 GMT, and DMr at 13h GMT). CHAVEZ (RCv) took the nph from  $\omega=009^\circ\text{W}$  to  $025^\circ\text{W}$  on 17 Sept ( $\lambda=290^\circ\text{Ls}$ ). GRAFTON (EGf)'s image on 18 Sept ( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=020^\circ\text{W}$  also shows a typical aspect of the nph. It may be interesting to lay out the following images made on 19 Sept ( $\lambda=291^\circ\text{Ls}$ ): GORCZYNSKI (PGc)'s image at  $\omega=353^\circ\text{W}$ , EGf's at  $\omega=019^\circ\text{W}$ , and DMr's at  $\omega=036^\circ\text{W}$  and  $045^\circ\text{W}$ . EGf's image on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ) at  $\omega=001^\circ\text{W}$  is also attractive. PHILLIPS

(*JPh*)'s consecutive images on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ) and 21 Sept ( $\lambda=293^\circ\text{Ls}$ ) show well the activity of the nph near M Acidalium, though just time interval was rough. *DMr* took also on 23 Sept ( $\lambda=294^\circ\text{Ls}$ ) at  $\omega=009^\circ\text{W}$ ,  $022^\circ\text{W}$ . Otherwise, BUDA (*SBd*) showed an interesting nph at  $\omega=054^\circ\text{W}$  on 26 Sept ( $\lambda=295^\circ\text{Ls}$ ). The present writer (*Mn*) chased a nph window over the deep M Acidalium on 28 Sept ( $\lambda=297^\circ\text{Ls}$ ) by a series of observations at  $\omega=348^\circ\text{W}$ ,  $357^\circ\text{W}$ ,  $007^\circ\text{W}$ ,  $017^\circ\text{W}$ ,  $027^\circ\text{W}$ ,  $037^\circ\text{W}$ ,  $046^\circ\text{W}$ ,  $056^\circ\text{W}$  (13:40GMT~18:20GMT). On 29 Sept however he failed to find the window due to a disproved seeing condition. YUNOKI (*Yn*)'s B images on 30 Sept ( $\lambda=298^\circ\text{Ls}$ ) show an interesting variation of the nph at  $\omega=26^\circ\text{W}$  and at  $\omega=051^\circ\text{W}$ , but it is preferable to make many images continually. In this case it is advisable to observe every 40 minutes or 20 minutes (especially in the case of the ccd) at the same angles every consecutive days: See for example the case in 1990: [http://homepage2.nifty.com/~cmomn2/1990Oct\\_npc.gif](http://homepage2.nifty.com/~cmomn2/1990Oct_npc.gif)

**b) Around Utopia:** Since Utopia is located further northward, it is still not easier to detect an entanglement of the nph with it. However suggestive are the images by TYLER (*DTy*) on 18 Sept ( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=258^\circ\text{W}$ , and on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ) at  $\omega=241^\circ\text{W}$ . KARRER (*MKr*)'s image on 23 Sept ( $\lambda=293^\circ\text{Ls}$ ) at  $\omega=249^\circ\text{W}$  suggests a brighter part and a darker part to the north of N Alcyonius. On 30 Sept ( $\lambda=298^\circ\text{Ls}$ ), SÁNCHEZ (*JSc*) showed a relation of the nph with Utopia from  $\omega=190^\circ\text{W}$  to  $198^\circ\text{W}$ , and afterward on the day DICKINSON (*WDs*) shot at  $\omega=254^\circ\text{W}$  a bright spot of the nph following Utopia. The nph around thr Utopia area is, as is the case of the Acidalia case, expected to give rise to dust disturbances at the outer area in the coming season, and so need to be attentive.

**Elysium:** The area of Elysium was also more inside, and as the angular diameter increased, a slight more details became caught. Naoya MATSUMOTO (*Mt*)'s image on 16 Sept ( $\lambda=289^\circ\text{Ls}$ ) at  $\omega=198^\circ\text{W}$  shows some shadowy details inside. Following images all say something on Elysium: *DTy*'s images on 24 Sept ( $\lambda=294^\circ\text{Ls}$ ,  $\tau=34^\circ$ ) at  $\omega=213^\circ\text{W}$ , *MKr*'s on 26 Sept ( $\lambda=295^\circ\text{Ls}$ ,  $\tau=33^\circ$ ) at  $\omega=202^\circ\text{W}$ , MOBBERLEY (*MMb*)'s on 28 Sept ( $\lambda=296^\circ\text{Ls}$ ,  $\tau=32^\circ$ ) at  $\omega=182^\circ\text{W}$ , and succeeding *DTy*'s at  $\omega=193^\circ\text{W}$ , and *JSc*'s on 30 Sept ( $\lambda=298^\circ\text{Ls}$ ,  $\tau=31^\circ$ ) at  $\omega=194^\circ\text{W}$  etc.

**Hellas:** At the beginning of this period, Hellas faced to Europe: BOLZONI (*SBl*)'s image on 16 Sept ( $\lambda=289^\circ\text{Ls}$ ) at  $\omega=274^\circ\text{W}$  may show a structure line inside the northern bright part of Hellas, but the following images by *DPc* on 17 Sept ( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=270^\circ\text{W}$ ,  $281^\circ\text{W}$ , and by *DTy* at  $\omega=272^\circ\text{W}$  do not emphasise. PELLIER (*CPl*)'s image on the day was made at the same time as *DPc* at  $\omega=281^\circ\text{W}$ , and show well the brightness of the northern part, though his *R* suggests something more. Note anyway these images all do never show any lifting of the dust. On 18 Sept ( $\lambda=290^\circ\text{Ls}$ ,  $\tau=37^\circ$ ), KOWOLLIK (*SKw*) composed a series of images every twenty minutes from  $\omega=240^\circ\text{W}$  to  $270^\circ\text{W}$ . Detailed clippings were made at  $\omega=256^\circ\text{W}$  (*DPc*),  $257^\circ\text{W}$  (*DTy*), and  $287^\circ\text{W}$  (*DPc*) on the day. *CPl*'s images well depict a sandy colour on the surface on 19 Sept ( $\lambda=291^\circ\text{Ls}$ ) at  $\omega=285^\circ\text{W}$ , but no particularly bright area was shown. *JSc*'s and HIDALGO (*EHD*)'s images on the day (respectively at  $\omega=287^\circ\text{W}$  and  $\omega=285^\circ\text{W}$ ) emphasise the brightness of the northern swath of Hellas. Cf also *CPl*'s images on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ) at  $\omega=281^\circ\text{W}$ . As to the western corner of Hellas, the following images look interesting to us: BATES (*DBt*)'s image on 18 Sept ( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=335^\circ\text{W}$ , *WDs*'s image on 23 Sept ( $\lambda=293^\circ\text{Ls}$ ) at  $\omega=323^\circ\text{W}$ , and MELILLO (*FMI*)'s on 25 Sept ( $\lambda=295^\circ\text{Ls}$ ) at  $\omega=322^\circ\text{W}$  since they remind us of the Hellas aspect which was shown at a somewhat later condensate-full Martian season in 1990: The western corner to its northern bottom was quite affected by the water vapour of the season. This period, Hellas near the morning limb was also observed frequently: In particular the images on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ,  $\tau=36^\circ$ ) by *DPc* at  $\omega=229^\circ\text{W}$ ,  $239^\circ\text{W}$ , and by *DTy* at  $\omega=241^\circ\text{W}$  are suggestive. The phase angle went rapidly down and no former time brightness was shown. Next is expected a complex condensate covering at dawn.

**Tharsis:** *Yn* produced a series of images on 17 Sept ( $\lambda=290^\circ\text{Ls}$ ,  $\tau=37^\circ$ ) from  $\omega=102^\circ\text{W}$  to  $121^\circ\text{W}$  to show how the Tharsis district rotates. The *R* one at  $\omega=105^\circ\text{W}$  well shows the shadowy fine network of Tharsis, while the density has quite lessened. This is also said by the images on 20 Sept ( $\lambda=292^\circ\text{Ls}$ ,  $\tau=35^\circ$ ) by VALIMBERTI (*MVl*) at  $\omega=110^\circ\text{W}$ , and by *SBd* at  $\omega=114^\circ\text{W}$ . ASADA (*As*) on 21 Sept ( $\lambda=293^\circ\text{Ls}$ ) at  $\omega=102^\circ\text{W}$  and AKUTSU (*Ak*) on 24 Sept ( $\lambda=294^\circ\text{Ls}$ ) at  $\omega=116^\circ\text{W}$  tried however to show details. Most instructive image was then the one by HEFNNER

(RHf) made on 25 Sept ( $\lambda=295^\circ\text{Ls}$ ,  $\tau=33^\circ$ ,  $\delta=17.1$ ) at  $\omega=069^\circ\text{W}$  since this is nearly comparable with his excellent and timely image on 19 Aug ( $\lambda=271^\circ\text{Ls}$ ,  $\tau=45^\circ$ ) at  $\omega=097^\circ\text{W}$ ; the latter being obtained when a good combination of angular diameter and the deep phase angle was suitable to produce the fine structure of the network in Tarsis: These show how the difference of the phase angle  $\tau$  is effective. Judging from the good series of images by Yn on 18 Sept ( $\lambda=291^\circ\text{Ls}$ ,  $\tau=36^\circ$ ), the Arsia cloud looks to reach the terminator before  $\omega=140^\circ\text{W}$  (otherwise, MORITA (Mo)'s images on the day at  $\omega=143^\circ\text{W}$ , or cf on ARDITTI (DAr)'s image on 27 Sept ( $\lambda=296^\circ\text{Ls}$ ) at  $\omega=146^\circ\text{W}$ ). Yn's series on 18 Sept ( $\lambda=291^\circ\text{Ls}$ ) also gives a hint that the rise of the Arsia cloud was made around  $\omega=095^\circ\text{W}$ . Since  $\tau=36^\circ$ , it rose four hours and a half before sunset. If the image by Van der VELDEN (EVI) on 22 Sept ( $\lambda=293^\circ\text{Ls}$ ,  $\tau=35^\circ$ ) at  $\omega=089^\circ\text{W}$  (his final calculation became wrong) shows the Arsia cloud, it was 5 hours before sunset. These shows the same as DPK's case of the B photo at  $\omega=090^\circ\text{W}$  on 7 Sept ( $\lambda=284^\circ\text{Ls}$ ,  $\tau=41^\circ$ ). But the resolution power was different and DPK's case is not intended to record the case of first rising (his more excellent series of images on 4 Sept ( $\lambda=282^\circ\text{Ls}$ ,  $\tau=42^\circ$ ) started from  $\omega=118^\circ\text{W}$  and the cloud was already apparent).

**Miscellaneous:** a) Huygens Crater appeared on any good images, but here as a representative we pick out the case of DPc made on 18 Sept at  $\omega=287^\circ\text{W}$ . b) Recent darkish Noachis was seen on the image by WALKER (SWk) on 24 Sept at  $\omega=308^\circ\text{W}$ . c) EGf's excellent image on 17 Sept at  $\omega=033^\circ\text{W}$  shows Ganges as well as Hydaspes as brownish. d) Valhalla persists: See eg Mt's images on 16 Sept ( $\lambda=289^\circ\text{Ls}$ ) at  $\omega=192/198^\circ\text{W}$ , and Yn's series on 18 Sept ( $\lambda=291^\circ\text{Ls}$ ,  $\tau=36^\circ$ ). Lick's monster refractor shows them as a tied series of fine stains. e) We were struck with the beautiful but slightly disgusting image made by HUNTER (DHn) on 24 Sept ( $\lambda=294^\circ\text{Ls}$ ) at  $\omega=241^\circ\text{W}$ . We may otherwise be apt to believe in a new kind of strum und drunk of dust swing over Ausonia and Trinacria.

♂……………**北極雲の活動**：九月中旬から $\phi$ が $11^\circ\text{S}$ と昇った爲に北極雲域が少し見易くなった(十月中旬からはまた戻って行く)。マレ・アキダリウムやウトピアの上では面白い様相がみられる。a) **マレ・アキダリウム地方**：唐那・派克(DPk)氏の16Sept( $\lambda=289^\circ\text{Ls}$ ) $\omega=002^\circ\text{W}$ では、北極雲がBでも抜けているところはマレ・アキダリウムのR(RGB610)での様相にまで影響して、北部の暗部を際立たせているし、Gでも面白い様子である。ムーア(DMr)氏は同日 $\omega=088^\circ\text{W}$ 迄行き、これを追っているが、もう少し早くから出来たかもしれない。DPk氏は5:50GMT、DMr氏は13hGMT、七時間離れているのはよい。チャベス(RCv)氏の17Sept( $\lambda=290^\circ\text{Ls}$ ) $\omega=009^\circ\text{W} \rightarrow 025^\circ\text{W}$ も面白い。グラフトン(EGf)氏は18Sept( $\lambda=290^\circ\text{Ls}$ ) $\omega=020^\circ\text{W}$ も代表的である。19Sept( $\lambda=291^\circ\text{Ls}$ )のゴルチンスキイ(PGc)氏の $\omega=353^\circ\text{W}$ 、EGf氏の $\omega=019^\circ\text{W}$ 、DMr氏の $\omega=036^\circ\text{W}$ 、 $045^\circ\text{W}$ を連続して見ると面白い。EGf氏の20Sept( $\lambda=292^\circ\text{Ls}$ ) at  $\omega=001^\circ\text{W}$ の像は魅惑的。この日と次の21Sept( $\lambda=293^\circ\text{Ls}$ )におけるフィリップス(JPh)氏の連続像はもう少し細かくすると好かったと思う。DMr氏は23Sept( $\lambda=294^\circ\text{Ls}$ ) $\omega=009^\circ\text{W}$ 、 $022^\circ\text{W}$ でも撮っている。他に26Sept( $\lambda=295^\circ\text{Ls}$ ) at  $\omega=054^\circ\text{W}$ のブダ(SBd)氏の像。筆者(Mn)は28Sept( $\lambda=297^\circ\text{Ls}$ )に北極雲に透けるマレ・アキダリウムの深部を $\omega=348^\circ\text{W}$ 、 $357^\circ\text{W}$ 、 $007^\circ\text{W}$ 、 $017^\circ\text{W}$ 、 $027^\circ\text{W}$ 、 $037^\circ\text{W}$ 、 $046^\circ\text{W}$ 、 $056^\circ\text{W}$ と追った(13:40GMT~18:20 GMT)。29Septも試みたが、シーイングも悪く、前日に比してマレ・アキダリウムが好く捉えられなかった。30Septには見えていたが、雲が多く追跡が出来なかった。同じくYn氏の30Sept( $\lambda=298^\circ\text{Ls}$ )のB光の  $\omega=26^\circ\text{W}$ と $\omega=051^\circ\text{W}$ 辺りの北極雲は変化していて興味深い、空の状態の所爲か連続像でないのが残念。こうした変化は $20^\circ\text{W}$ 毎に撮るのが好く、また同じ角度で数日観測するのがお奨めである。次の例を参照：[http://homepage2.nifty.com/~cmomn2/1990Oct\\_npc.gif](http://homepage2.nifty.com/~cmomn2/1990Oct_npc.gif) (新版のPDFでは、アンダーラインが入ってなくても、色が変わっていても、そのままリンクしている) b) **ウトピアの邊り**：ウトピアは更に北にあるので、なかなか反応が出難いが、タイラー(DTy)氏の18Sept( $\lambda=290^\circ\text{Ls}$ ) $\omega=258^\circ\text{W}$ 、20Sept( $\lambda=292^\circ\text{Ls}$ ) $\omega=241^\circ\text{W}$ には北極雲とウトピアの絡みの兆候がある。カッター(MKr)氏の23Sept( $\lambda=293^\circ\text{Ls}$ ) $\omega=249^\circ\text{W}$ も好い。30Sept( $\lambda=298^\circ\text{Ls}$ )にはサンチェス(JSc)氏が $\omega=190^\circ\text{W} \sim 198^\circ\text{W}$ で北極雲とウトピアの状態を示しているが、同日後刻のディッキンソン(WDs)氏の $\omega=254^\circ\text{W}$ にはウトピアを外れた北極雲が一部光斑になっている。そろそろこの邊りから氣壓傾度の強さから北極域生まれの黄塵が予想される。

**エリュシウム**：エリュシウムも少し昇った爲、視直径の増加も相俟って可成り見えるようになった。16Sept( $\lambda=289^\circ\text{Ls}$ )  $\omega=198^\circ\text{W}$ の松本直弥(Mt)氏の像には内部に陰翳が出ている。DTy氏の24Sept ( $\lambda=294^\circ\text{Ls}$ ,  $\iota=34^\circ$ ) at  $\omega=213^\circ\text{W}$ 、MKr氏の26Sept( $\lambda=295^\circ\text{Ls}$ ,  $\iota=33^\circ$ ) at  $\omega=202^\circ\text{W}$ 、モッバーレイ(MMb)氏の28Sept( $\lambda=296^\circ\text{Ls}$ ,  $\iota=32^\circ$ ) at  $\omega=182^\circ\text{W}$ 、續くDTy氏同日の  $\omega=193^\circ\text{W}$ 、JSc氏の30Sept( $\lambda=298^\circ\text{Ls}$ ,  $\iota=31^\circ$ ) at  $\omega=194^\circ\text{W}$ 等に注目。

**ヘッラス**：この期間最初ヘッラスはヨーロッパの領域であった。16Sept( $\lambda=289^\circ\text{Ls}$ ) $\omega=274^\circ\text{W}$ のボルツォーニ(SBI)さんの像ではヘッラスの北端の明部に構造線があるような感じだが、17Sept( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=270^\circ\text{W}$ 、281 $^\circ\text{W}$ のピーチ(DPc)氏の像や、 $\omega=272^\circ\text{W}$ のDTy氏の像では、そうでもないようである。ペリエ(CPI)氏の同日 $\omega=281^\circ\text{W}$ はDPc氏と競合し、Rでは氣になるが、北部の明部が好く出ている。ただこれらの画像で、ヘッラスに黄塵が立っている風は全くない。18Sept( $\lambda=290^\circ\text{Ls}$ ,  $\iota=37^\circ$ )にはコッヴオリク(SKw)さんの廿分連続像  $\omega=240^\circ\text{W}\sim 270^\circ\text{W}$ がある。詳しくはDPc氏の $\omega=256^\circ\text{W}$ 、287 $^\circ\text{W}$ 、DTy氏の $\omega=257^\circ\text{W}$ が埋める。CPI氏の19Sept( $\lambda=291^\circ\text{Ls}$ ) at  $\omega=285^\circ\text{W}$ などは砂色を表現しているが、特に明るいところはない。同日のJSc氏の $\omega=287^\circ\text{W}$ 、ヒダルゴ(EHd)氏の $\omega=285^\circ\text{W}$ にはヘッラス西部の明部は強調されている。20Sept( $\lambda=292^\circ\text{Ls}$ ) at  $\omega=281^\circ\text{W}$ のCPI氏像も参照。西部に関して、18Sept( $\lambda=290^\circ\text{Ls}$ ) at  $\omega=335^\circ\text{W}$ のベーツ(DBt)氏、23Sept( $\lambda=293^\circ\text{Ls}$ )  $\omega=323^\circ\text{W}$ のディッキンソン(WDs)氏、25Sept( $\lambda=295^\circ\text{Ls}$ ) at  $\omega=322^\circ\text{W}$ のメリッコ(FMI)氏の撮ったヘッラス西部の形は1990年のもう少し遅い時期にみられたことだが、水蒸気の複雑な活動のヘッラスの様子を暗示させるものである。なお、ヘッラス朝方の影像是20Sept( $\lambda=292^\circ\text{Ls}$ ,  $\iota=36^\circ$ )のDPc氏の  $\omega=229^\circ\text{W}$ 、239 $^\circ\text{W}$ 、DTy氏の $\omega=241^\circ\text{W}$ 等に尽きる。 $\iota$ が急激に下がって、往時の輝きはない。今後はコブのような朝雲(水蒸気)に注目。

**タルシス**：17Sept( $\lambda=290^\circ\text{Ls}$ ,  $\iota=37^\circ$ )の柚木(Yn)氏は $\omega=102^\circ\text{W}$ から121 $^\circ\text{W}$ 迄の連続像をこなしているが、 $\omega=105^\circ\text{W}$ のR像がタルシス地方の陰翳を好く撮している。模様は淡くなっている。タルシス地方の陰翳は20Sept( $\lambda=292^\circ\text{Ls}$ ,  $\iota=35^\circ$ )のヴァリンヴェルティ(MVI)氏の $\omega=110^\circ\text{W}$ 、SBd氏の $\omega=114^\circ\text{W}$ でも淡くなっている。但し、浅田(As)氏の21Sept( $\lambda=293^\circ\text{Ls}$ ) at  $\omega=102^\circ\text{W}$ や、阿久津(Ak)氏の24Sept( $\lambda=294^\circ\text{Ls}$ ) at  $\omega=116^\circ\text{W}$ では苦勞して出ている。最も好く参考になるのが、ハフナー(RHf)氏の25Sept( $\lambda=295^\circ\text{Ls}$ ,  $\iota=33^\circ$ ,  $\delta=17.1$ ) at  $\omega=069^\circ\text{W}$ の描写で、彼の19Aug( $\lambda=271^\circ\text{Ls}$ ,  $\iota=45^\circ$ ) $\omega=097^\circ\text{W}$ の当時の細かな陰翳を出せた $\iota$ の時の優れた像と比較できるからである。なお、Yn氏の18Sept( $\lambda=291^\circ\text{Ls}$ ,  $\iota=36^\circ$ )の像などを見るとアルシア雲は $\omega=140^\circ\text{W}$ ではターミネータにくっついている(他に森田(Mo)氏の同日 $\omega=143^\circ\text{W}$ の像、後日27Sept( $\lambda=296^\circ\text{Ls}$ ) at  $\omega=146^\circ\text{W}$ のアルジッチ(DAr)氏の像を参照)。また、18Sept( $\lambda=291^\circ\text{Ls}$ ,  $\iota=36^\circ$ )のYn氏の像からこの頃のアルシア白雲の形成は $\omega=095^\circ\text{W}$ 辺りからと思われる。 $\iota$ は36 $^\circ$ であるから、日没四時間半前からであると言える。22Sept( $\lambda=293^\circ\text{Ls}$ ,  $\iota=35^\circ$ )のVan der VELDEN (EVI)氏の $\omega=089^\circ\text{W}$ (彼は最後に計算間違いをしている、疲れか)の画像が既にアルシア雲を示すなら、日没前五時間となる。Yn氏の場合DPk氏の7Sept( $\lambda=284^\circ\text{Ls}$ ,  $\iota=41^\circ$ ) at  $\omega=090^\circ\text{W}$ のB光の場合と殆ど変わらない。然し、DPk氏のは最初を捉えたものではないであろうし、解像力の違いもある。

**その他**：a)ホイヘンス・クレーターは最近の像にはどれも明確に出ているが、代表としてはDPc氏の18Sept at  $\omega=287^\circ\text{W}$ が好い。b)暗いノアキスの表現としてはウォーカー(SWk)氏の24Sept at  $\omega=308^\circ\text{W}$ を見られたい。c)ヒュダペデスはEGf氏の17Sept $\omega=033^\circ\text{W}$ で茶系統色が明らかで、ガンゲスも同じい。d)ワルハッラは執拗に出ている。Mt氏の16Sept( $\lambda=289^\circ\text{Ls}$ ) at  $\omega=192/198^\circ\text{W}$ 、Yn氏の18Sept( $\lambda=291^\circ\text{Ls}$ ,  $\iota=36^\circ$ )の連続像が好く示す。シーハン氏に依れば、「虹」という意味で命名したのだそうである。虹なら消える時もあるだろう(リックの91cm鏡では寧ろ斑点運河状で細く可成りコントラストが好い)。e) ハンター(DHn)氏の24Sept( $\lambda=294^\circ\text{Ls}$ ) at  $\omega=241^\circ\text{W}$ の画像には愕いた。どういう風にすればこういう描写になるのでしょうか。綺麗ですが、或る意味氣色悪い。

**The News of EVI's Death**: We heard Erwin van der VELDEN(EVI) suddenly passed away on 27 September at the age of 39, just after he sent out the report of the observations on 22 Sept (LtE). We grieve over his death.

**訃報**：22Septに観測されたEVI氏が突然亡くなられた。26Septに報告を書き、その翌日急死されたよ

うである(LtE)。ご冥福をお祈りする。

♂.....In the next issue we shall review the observations made during the fortnight period from 1 October ( $\lambda=298^\circ\text{Ls}$ ,  $\delta=17.8''$ ) to 15 October 2005 ( $\lambda=306^\circ\text{Ls}$ ,  $\delta=19.5''$ ).

## 便り

### Letters to the Editor

●.....*Date: Sun, 25 Sept 2005 15:25:02 +0100*  
*Subject: Mars images (September 23rd, 2005.)*

Hi all, Here are some images from Sep23rd. Similar details to yesterday, with a brilliant morning limb haze across Hellas and Libya early on. NPH remains thick.

[http://homepage.ntlworld.com/damian.peach/2005\\_09\\_23rgb\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_09_23rgb_DAP.jpg)

○.....*Date: Wed, 28 Sept 2005 21:10:55 +0100*  
*Subject: Mars images (September 28th, 2005.)*

Hi all, Here are some images from this morning. Poor seeing with the jetstream parked overhead. In Blue note the Arsia Mons orographic cloud is present on the evening terminator. Also a weak cloud just south of Proponitis. A bright morning mist covers Ausonia across Mare Cimmerium. Also a dense patch of mist toward the SPC over Mare Chronium. The NPH is thick with a dark band on its southern boundary.

[http://homepage.ntlworld.com/damian.peach/2005\\_09\\_28rgb\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_09_28rgb_DAP.jpg)

14" (35cm) Celestron SCT @ f/39.5. Lumenera LU075M CCD camera. Seeing poor occ fair (Pickering 2-5). Transparency variable with frequent low clouds (cloud - 6.0mag). No wind. Heavy dew. Alt= 50-53 degs.

○.....*Date: Thu, 6 Oct 2005 22:22:58 +0100*  
*Subject: Mars images (October 2nd, 2005.)*

Hi all, Here are some belated Mars images from October 2nd (as i was away for the Annular Eclipse.) Seeing was very poor this session, but it was interesting to note the increase in cloud activity across Tharsis. The Arsia Mons cloud looks more extensive and doubled again, with clouds extending across Echus Lacus toward Tithonius Lacus. This was not present the last time i image this region in late August, and i also suspect an increase in clouds as Christophe mentioned.

The Tharsis volcanoes can be seen again, though rather washed out due to the seeing.

[http://homepage.ntlworld.com/damian.peach/2005\\_10\\_02rgb\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_10_02rgb_DAP.jpg)

○.....*Date: Fri, 7 Oct 2005 19:41:25 +0100*  
*Subject: Mars images (October 5th, 2005.)*

Hi all, Here are some images from October 5th. Poor-fair seeing. This month has been pretty dreadful so far, with a persistent cloudy anti-cyclone prevailing the last few days: Some extensive cloud is present over Tharsis extending into Ophir/Candor. Arsia cloud is large and quite bright well away from the limb. Good resolution in Red, showing fine structure in Phasis and Melas/Tithonius Lacus. Also note the dark spot at Noctis Lacus extending in a chain of tiny spots to Phoenicis Lacus. Also note a weak SPC rift is hinted at.

[http://homepage.ntlworld.com/damian.peach/2005\\_10\\_05rgb\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_10_05rgb_DAP.jpg)

[http://homepage.ntlworld.com/damian.peach/2005\\_10\\_05blue\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_10_05blue_DAP.jpg)

○.....*Date: Sat, 8 Oct 2005 23:39:54 +0100*  
*Subject: Mars images (October 5th - correction.)*

Hi all, Here is a corrected sequence from October 5th. Please update your records with this correct version:

[http://homepage.ntlworld.com/damian.peach/2005\\_10\\_05rgb\\_DAP.jpg](http://homepage.ntlworld.com/damian.peach/2005_10_05rgb_DAP.jpg)

Best Wishes

**Damian PEACH** (デミアン・ピーチ Bkh英)

●.....*Date: Sun, 25 Sept 2005 19:43:39 +0200*  
*Subject: Mars on september 20th*

That night transparency went down a bit due to high clouds.

<http://www.astrosurf.org/pellier/M050920-CPE>

○.....*Date: Sun, 25 Sept 2005 20:53:00 +0200*  
*Subject: Mars on september 21th*

Hi all, Conditions were very good that morning. The B and violet filters worked wonderfully.

<http://www.astrosurf.org/pellier/M050921-CPE>

There is an interesting chain of white clouds at the north-west of Syrtis Major and Mare Thyrrenum. It looks to form at or near the famous south-north slope from old terrains to more recent ones at this point. Evening mist is quite prominent.

○.....*Date: Mon, 26 Sept 2005 20:35:54 +0200*  
*Subject: Mars on september 22th*

Hi all, seeing was variable during this session. It was almost perfect for the 3H20 red image but suddenly degraded while capturing the G image. Fortunately it recovered nicely later.



<http://www.astrosurf.org/pellier/M050922-CPE>

○ ······*Date: Tue, 04 Oct 2005 20:42:37 +0200*  
*Subject: Mars on october 4th*

Hi all, seeing was extremely poor on the edge of a high altitude low pressure, but my new Lumenera got some interesting data (with a shorter focal length !).

<http://www.astrosurf.org/pellier/M051004-CPE>

There may be a growing activity of white clouds on the planet (surely a seasonal effect ?). A full serie of short wave images from blue to UV has been obtained. One thing I have noted is a possible discontinuity of the evening mist next to the NPH. This was also seen on my sept. 21th images. Best wishes

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

● ······*Date: Sun, 25 Sept 2005 13:32:48 -0200*  
*Subject: RE: Mars images (September 23rd, 2005.)*

Hello Damian, Sorry it's been so long since I have commented on your superb images. I continue to be amazed at the fine quality of your images.

I am forwarding them to my friend, E. M. Antoniadi, at the Pic Du Midi. He is seeing similar detail with the 33-inch Meudon refractor. All the Best,

○ ······*Date: Mon, 26 Sept 2005 21:09:15 -0200*  
*Subject: Mars September 26, 2005*

Hello Everyone, Up at 4:00 AM. Man that coffee tasted good!

TMB 8" F/9 2X Barlow into 3X Barlow Atik Color camera, Registax Seeing 7/10 8:39- 8:42 UT Septemeber 26, 2005

○ ······*Date: Sat, 08 Oct 2005 09:40:18 -0200*  
*Subject: Re: Mars September 26, 2005*

Yes, I would be happy for you to include my images in your gallery. Thank you very much!

**Jim PHILLIPS** (ジム・フライリップス Charleston SC 美)

● ······*Date: Mon, 26 Sept 2005 09:14:41 +0100*  
*Subject: Mars 26 Sept*

Hi Guys, Seeing was abominable this morning which is slightly worse than horrendous. Transparency was excellent until the fog came.

C11@ f55, Lumenera 075 @ 69 fps for the red image. RGB Trutek filters.

○ ······*Date: Wed, 28 Sept 2005 12:27:58 +0100*  
*Subject: Saturn 28 Sept*

Hi Guys, Say hello to an old friend, there are some subtle colour changes to the South Polar Region and the South Equatorial Region since last April.

○ ······*Date: Thu, 29 Sept 2005 00:51:52 +0100*  
*Subject: Mars 28th sept*

Hi Guys here is a set from this morning, seeing was poor to fair at times.

○ ······*Date: Sat, 1 Oct 2005 22:35:10 +0100*  
*Subject: Mars this morning 1st Oct*

Hi Guys sorry not much of a change in face, late shift this morning. Conditions were very poor. Registax worked its magic on this one for sure. A lot of mist still over the bright limb.

○ ······*Date: Thu, 6 Oct 2005 09:33:54 +0100*  
*Subject: Madrid annular eclipse*

Hi Guys Damian and I have just returned from the annular eclipse in Madrid We used a Baader film filtered 60mm Tak with a Nikon coolpix 4300 handheld to a countersunk register on a 1.25 fl Erfle The camera was on full zoom and preset focussed on infinity. The scope



was on a driven EQ5.

Nice to meet You Tuomas, all the way from Finland, I even have picture of you on the left there.

There are animations and close-ups of the beads to come from Damian.

We also used Baader covered binoculars. I added some ND filters to the baader film on the 6x 30's shown in use by Damians girlfriend in the picture.

A pair of 12 × 50's required stopping down to 12 × 25 even with the visual Badder film. The Temp dropped from 14.4°C to 10.2° C. This was the first major eclipse for either of us and I can now understand eclipse chasers, it was fabulous. Best wishes

○ ······*Date: Thu, 6 Oct 2005 13:50:52 +0100*  
*Subject: Mars 5th Oct 05*

Hi Guys Back to normality, Mars in poor seeing, with the green and blue images looking more like space de-

bris! Plenty of cloud in the blue though.

○.....Date: Sat, 8 Oct 2005 21:58:14 +0100  
Subject: MARS 5 OCT

Hi Guys its raining what else is there to do but re-work those duff images in ones constant quest for improvement. At least it shows Nix Olympica now. Just a minute, its stopped raining, guys are swimming guys are sailing, time to open up the old dome.

Some very nice image from Alan F and Richard B. Love the colour Alan. Cheers Dave Tyler

○.....Date: Sun, 9 Oct 2005 14:56:26 +0100  
Subject: Mars 9thOct CM90

Hi Guys Here is Mars from this morning seeing was very poor. the haze came out quite nicely though.

Best wishes

**Dave TYLER** (デヴィッド・タイラー Bkh 英)

●.....Date: Mon, 26 Sept 2005 17:20:52 +0900  
Subject: mars 24.25 Sept -Cebu

セブ島でもやっと晴れだして火星を覗くことが出来るようになってきました。24日の夜は自宅の望遠鏡を使っています。良く見える20cmSCTです。25はテラスから撮ったものですが結構使えます。

○.....Date: Tue, 27 Sept 2005 17:17:56 +0900  
Subject: ご無沙汰しています 阿久津

南様；しばらく連絡できませんでしたが、来週はアメリカのリック天文台ですね。本来なら私も同行したかったのですが、仕事柄セブ島赴任となり、残念ながら行くことが出来なくなったのは残念です。体調に気をつけて、観測出来ます様願っております。さてセブ島滞在も少しづつ慣れ、一般生活はどうか出来るようになって来ました。しかしながら、生活環境は日本とは比べ様もないくらい悪く3K(汚い、暗い、気持ち悪い)ですね。特に空気は自動車の排気ガスで酷い環境です。朝夕は青く霞み、匂いもあって、初めてきた人は驚きます。この国では環境に関しては野放し状態で、今後環境汚染は出てくるものと思っています。唯一、優れている点はこれは私だけが感じている事なんです、大気は安定していることです。惑星を見ればその違いは分かります。十月以降は乾季の季節となり、ますます気流は良くなり、沖縄以上となります。但しここは常夏の島ですので十二月でも30℃ぐらいになり、よって季節感がないのは寂しいことです。

今年は十二月末まで滞在の予定です。十一月に一週間だけ戻る希望を会社に出しています。来年以降の予定は決まっていますが、多分あると覚悟しています。

今後の火星画像は朝方のみとなりますが、撮るつもりでいます。日本とは一時間遅くまで可能ですのでメール下さい。

○.....Date: Thu, 29 Sept 2005 13:25:51 +0900  
Subject: Mars image 28 Sept.2005

こんにちは、セブ島からの火星画像です。今朝は朝方天気が悪くなり、パットしない火星像です。こちらでは火星は天頂より北側になり、高度的には申し分ありません。後は晴れるかどうか？だけです。

○.....Date: Fri, 30 Sept 2005 15:06:39 +0900  
Subject: mars 29 Sept.2005 (GMT)

今朝の火星が画像を添付します。明け方の空の状態は少しづつ良くなって来たようです。λ=300°Ls近くなり、CMOからソリスラクス起源の黄雲の可能性の情報がありましたが、要注意です。今朝は異常ありませんでした。

○.....Date: Sat, 1 Oct 2005 14:16:58 +0900 (JST)  
Subject: Mars image 01 Oct.2005

今朝は気流、透明度ともまざるの良い状態でしたが、下の階のエアコンの噴出しの影響で、時たま全く像がふやけてしまうのが悩みでした。火星像のソリスラクス付近は異常なし。

○.....Date: Wed, 5 Oct 2005 14:51:29 +0900  
Subject: Mras iamge 02.03.04 Oct. 2005

朝方の撮像が少しずつ長くなって来ました。条件は改善していませんが、見えるだけでも儲けものと思っています。アキダリウムの周辺の雲が目立っています。画像では青くなっていますが、眼視では白く感じます。南極冠はしっかりしています。

**阿久津 富夫**(Tomio AKUTSU セブ The Philippines)

●.....From: "Erwin van der Velden"  
<erwinvandervelden@dodo.com.au>  
Sent: Monday, September 26, 2005 4:57 PM  
Subject: Mars 2005/9/22

Hi everyone, This observing session was a very good one here in Brisbane, got up at 1AM and watched the occultation of the Pleiades by the Moon with the 80ED while making images of Mars with the C9.25. It turned out the best seeing since months! 8/10 with a very good transparency and after the imaging session I did also a good visual session, Solis Lacus was nice and

detailed, still a prominent NPH. I tried to glimpse Olympus Mons as well, but that was still a bit too hard.

I shot 1 AVI of 5000 frames and 2 of 2500 frames @ 10 fps, the only problem with the big AVI is that Vidcap screwed up the header, but I fixed that with VirtualDub.

I also watched a few stars popping out from behind the Moon, and even at a 74.8 % phase the Earth shine was still visible! Finally I went to bed at 5 AM to catch 1 1/2 hours of sleep.

I still had to limit the number of frames down to 4620, since Registax doesn't accept AVI's over 2 Gb. As I suspected the 10 fps AVI gives better results, as a matter of fact so much signal with this kind of seeing that the image looks almost overprocessed. See

<http://www.erwinvandervelden.id.au/2005-09-22-erv.htm>  
The NPH looks still massive. I made another good observation a day later, but the processing of that had to wait until Wednesday. Cheers,

### Erwin van der VELDEN

(アーウィン・ファン・デア・ウエルテン Brisbane 澳)

(註) Erwin did not wait until Wednesday. According to the following sad email, he passed away suddenly on 27 Sept at the age of 39, just the day after he wrote the above message. May he rest in peace. EVI氏は上のemailを書かれた翌日突然亡くなられたようです。私は深い付き合いはありませんが、2003年のケンドネル博士の衛星観測との競合の時に二三文通しました。いつも好い結果を出されていただけに残念です。享年三十九歳、ご冥福をお祈りします。(Mn)

**W**ith great sadness we have to notify you that after an intense life our dear, life loving son, brother, brother in law and friend **Erwin René van der Velden** has suddenly passed away.

\*Rotterdam, 25 januari 1966 ~

†Logan Central (Brisbane), 27 september 2005

*Geersdijk, P. van der Velden & A.M.T. van der Velden-de Groot Zonnemaire, Ilse Anker-van der Velden & Gert-Jan Anker Algester, Renato*

Erwin will be cremated on Friday, October 7th 2005. The farewell service will take place in Brisbane at 2PM: Metropolitan Funerals Capel 224 Newnham Road, Mt Gravatt. His ashes will be placed on a private observing site in Leyburn QLD, on Erwin's favourite observation

spot where he made many beautiful photographs. We will notify you when in November the Memorial stone will be placed.

*Correspondence address:*

*ankervelden@hetnet.nl subject: Erwin Fam. Anker-van der Velden, Zuidweg 454316 LB Zonnemaire, The Netherlands.*

*Please do not ring Erwin's parents. His sister (Ilse) will be available to talk to you after her return from Australia on October 14th.*

●.....Date: **Mon, 26 Sept 2005 04:09:14 -0500**  
Subject: **Mars, Sept. 26**

Mars on a very dew-laden, post-Rita morning, centered on Syrtis; September 26, LCM 286

○.....Date: **Wed, 28 Sept 2005 05:49:22 -0500**  
Subject: **Mars on Sept. 28**

Mars under very poor conditions with heavy dew; some interesting haze or clouds appear in the southern quadrant of Hellas (lower left, seen best in RGB image) as well as possible haze on eastern (celestial) side of Syrtis Major. Note that indication of separation in SPC is evident, and very thin wispy North Polar cloud persists, but not in widespread polar hood as evidenced in previous dates and other longitudes.

○.....Date: **Sun, 2 Oct 2005 09:02:09 -0500**  
Subject: **Mars, Sept 30 and Oct 2, N. Polar haze**

Seeing very poor here with rapidly cooling nights, as much as a 50 degree temperature drop after nightfall. I was not going to post these images, but the persistence and what appears to be a fairly uniform expansion of the northern polar haze, very bluish, is very pronounced in longitudes 230-270.

○.....Date: **Mon, 3 Oct 2005 06:35:13 -0500**  
Subject: **Mars, Oct. 3 two hour sequence**

Mars under fair seeing conditions; the persistence and expansion of the northern polar haze is evident, quite blue. Hellas seen obliquely appearing quite bright.

○.....Date: **Tue, 4 Oct 2005 05:40:59 -0500**  
Subject: **Mars, two hour sequence October 4**

Mars in wildly variable seeing conditions with focusing difficult; the strong blue northern polar haze is seen well in these three images covering a two hour period.

There appears to be somewhat of an abrupt cessation of the haze beginning at about longitude 240 as suggested in the last (09:20 UT) image. A delineated, south-reaching segment of the polar haze seems to be evident in the

Aetheria region.

○ ..... **Date: Thu, 6 Oct 2005 07:10:17 -0500**  
**Subject: Mars in steady skies, Oct. 6**

A brief but steady opening this morning; Mars showing some excellent detail. The blue northern polar haze/hood extends now southward to nearly Elysium/Aetheria, with several conspicuous latitudinal striations evident. The southern polar cap persists, although quite small.

○ ..... **Date: Thu, 6 Oct 2005 15:39:48 -0500**  
**Subject: Mars Oct 6, refined image**

Attached is a highly refined image from Oct. 6, also noting the correct time of exposure. This is not a duplicate and my apologies for the earlier posting.

○ ..... **Date: Fri, 7 Oct 2005 18:17:17 -0500**  
**Subject: ASO Providing Live NASA Rover Webcast**

Mars is the hottest topic in the sky right now, and the Arkansas Sky Observatory will have the latest results of the "Rover" quest in its search for possible past or present life and conditions on the Red Planet.

On Thursday, Oct. 13 Dr. John Grotzinger from the California Institute of Technology, and one of the NASA Mars Exploration Rover Mission Team, is giving a lecture on "The 2004 Mars Exploration Rover Mission: Evidence for Water and Prospects for Life".

This special real time presentation is being provided to ASO for live feed by Brian Zavala and the folks at the Environmental Science Institute of The University of Texas at Austin. We would like to invite you and/or all visitors of to view our Live Webcast of the lecture, October 13, 2005 at 7 pm CST. If possible, you can This webcasts is very high quality, and viewers can submit questions to the speaker through our website.

The webcasting software requires viewers to download a small plug-in, but it is very simple and quick to install.

A link to the details of the lecture AND the webcast could be found at the Arkansas Sky Observatory:

<http://www.arksky.org/>

**Clay SHERROD** (クレイ・シェットロト ASO, AK 美)

● ..... **Date: Mon, 26 Sept 2005 18:47:52 +0200**  
**Subject: Submission Mars image for CMO/OAA Gallery**

Dear Mr. MINAMI, dear Mr. MURAKAMI, maybe you want to add my attached Mars image to the CMO/OAA Gallery. Thank you in advance. Best,

Date + Time: Sept 24, 2005 / 5:03 UT  
 Location: Stuttgart, Germany. Telescope: Astro-Physics 10" f/14.6 working @ f/45 (eff. focal length: 11400mm)

Tools: Baader-Planetarium Fluorite Flatfield Converter Camera: Firewire Video Camera DMK 21BF04 with SBIG RGB filterset and Baader IR pass filter

**Stefan SEIP** (シュテファン・サ イプ Stuttgart 徳)

● ..... **Date: Mon, 26 Sept 2005 16:10:00 -0500**  
**Subject: Syrtis Major in view**

Colleagues: Syrtis Major was facing Texas last night. Always my favorite view! Best,

○ ..... **Date: Sat, 1 Oct 2005 14:27:44 -0500**  
**Subject: Mars image 10/01/2005 Bates**

Warm weather returns here after passage of Hurricane Rita. Mars high enough to image at midnight local time.

Best,

**Don BATES** (ド ン ・ ベ ーツ Houston, TX 美)  
 Chief Observation Officer, Cypress Creek Station

● ..... **Date: Tue, 27 Sept 2005 04:05:34 +0200**  
**Subject: I left the Observatory...**

Dear Masatsugu, dear Masami, last 2 weeks I had a heavy trouble with the chairman of the Observatory, so I left on 24.09.2005 the "Swabian Observatory" and cant observe Mars anymore with the 7" Refractor in Stuttgart. I am very sad to be no longer a Member of the Observatory.

Please, dont write "Swabian Observatory" under my Pictures anymore. Now I am a privat Observer... I work from my balcony at home in Ludwigsburg... I tried other Telescopes, best results I got with my small 6" Newton f/5 and Eyepieceprojection... best wishes

○ ..... **Date: Tue, 27 Sept 2005 04:06:19 +0200**  
**Subject: Mars from 25.09.2005**

Dear Masatsugu, dear Masami, here my Mars from yesterday with 6" Newton... best wishes

○ ..... **Date: Tue, 27 Sept 2005 04:06:19 +0200**  
**Subject: Mars from 25.09.2005**

Dear Masatsugu, dear Masami, here my Mars from yesterday with 6" Newton... best wishes

○ ..... **Date: Tue, 27 Sept 2005 04:07:04 +0200**  
**Subject: Mars from 26.09.2005**

Dear Masatsugu, dear Masami, here my Mars from tonight... best wishes

**Silvia KOWOLLIK** (シルヴァ イア・コウ オリク

Rudwigsburg 徳)

● ..... **Date: Tue, 27 Sept 2005 17:25:11 +1000**  
**Subject: Mars image from 26 Sept**

Please find attached my Mars images from 26 Sept.

*Note:* Extended haze over the Tharsis volcanoes.

Regards,

**Stefan BUDA** (ステイファン・ブダ Melbourne 澳)

●.....Date: Tue, 27 Sept 2005 18:15:08 +0900  
Subject: 火星 2005/09/25 17:22 UT

CMOさま、お久しぶりです。仕事と天気の関係で、最近、火星を撮影する機会があまりありませんでした。

280mm SCT with 3× barlow ( $f/l=8,400\text{mm}$ ) ; Lumenera LU075 (IR-blocked) Best regards,

**ロブ・ヘフナー** (Rob HEFFNER 名古屋 Aichi)

●.....Date: Tue, 27 Sept 2005 07:22:51 -0700  
Subject: Mars images, Sept 26th

Folks: Attached are my first Mars images taken with a newly-acquired firewire camera from Point Grey Research. The camera body is actually smaller than the Mogg 1 1/4" adapter. Seeing was about average, with fast turbulence blurring detail but not "warping" the planet's disk much. best,

**Tim PARKER** (ティモシー・パーカー JPL/CIT CA 美)

●.....Date: Tue, 27 Sept 2005 17:51:47 +0100  
Subject: CMO website.

Hi there, firstly, congratulations on making a fantastic website. It is a wonderful mixture of info and pictures. Thanks. I attach three of my best images so far, during this apparition, for you.

Very best wishes

**Dave HUNTER** (デヴィッド・ハンター York 英)

●.....Date: Wed, 28 Sept 2005 03:25:11 +0000  
Subject: Mars Images

Hi All, I have attached some Mars images from this morning, 27 Sept. Poor seeing. Some increase in localized clouds and hazes. Best,

○.....Date: Fri, 30 Sept 2005 23:14:17 +0000  
Subject: Mars Images

Hi All, I have attached some Mars images from 29 Sept. Best,

**Don PARKER** (唐那・派克 FL 美)

●.....Date: Wed, 28 Sept 2005 09:26:21 -0400  
Subject: Mars Sept 28, 2005

A beautiful pre-dawn sky here in Richmond Virginia with very good seeing and the best transparency I've seen in months.

[http://members.verizon.net/~whd/images/20050928\\_whd.jpg](http://members.verizon.net/~whd/images/20050928_whd.jpg)

○.....Date: Fri, 30 Sept 2005 11:03:37 -0400  
Subject: Mars 20050930 CM 253

Here is an image taken this morning. The temp was 47 deg. F., it is really starting to feel like fall here in Richmond Virginia. The seeing was pretty decent with some intermittent mid level clouds.

[http://members.verizon.net/~whd/images/20050930\\_whd.jpg](http://members.verizon.net/~whd/images/20050930_whd.jpg)

Regards,

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

●.....Date: Thu, 29 Sept 2005 02:03:06 +0100  
Subject: Mars 27 Sept 23:50

I've only had time to do a preliminary processing of this result, but I thought it was of unusual interest. There are two or three bright bluish clouds shown over Aeria, just disappearing towards the terminator as the observing session started. 254mm D-K Cass,  $f/50$ , ATK 1HS II camera, Trutek RGB filters with IR blocked.

○.....Date: Thu, 29 Sept 2005 20:09:30 +0100  
Subject: Mars Sept 27-28

Here are some more results from the night of 27-28 Sept. I have made an animation from 3 images taken at 23:50, 00:26 and 01:16. These are LRGB with R=L, Trutek filters with IR blocked. They show the white cloud feature which is in the region of Arsia Mons, or slightly to S of it. Slightly more definition is shown in the JPEG image from 00:46, which is an LIGB with L=I combination. Olympus Mons can clearly be seen casting its shadow near the terminator. As well as the cloud, the dawn haze is visible on the other side of the planet in the shorter wavelengths. All pictures with 254mm D-K Cassegrain at  $f50$  and ATK 1HS II camera, stacked in Registax and processed in Photoshop. Seeing in London was poor. Best wishes,

○.....Date: Mon, 03 Oct 2005 02:07:37 +0100  
Subject: Mars Sept 29

Fairly poor images from this night, but the earlier one shows that the bluish cloud S of the volcanoes was still prominent (right on terminator).

I am sending this from a new computer, so I would like to hear if the image doesn't come down in a visible form.

○ ······ **Date: Mon, 3 Oct 2005 19:30:25 +0100**  
**Subject: Mars 01 October**

Another Mars taken under poor conditions, showing the persistent orthographic clouds.

Martin Mobberley imaged these very well this morning, resolving them as 3 separate clouds. I went to bed "early" to catch the solar eclipse, however, it was clouded out apart from the last 5 mins. in London.

○ ······ **Date: Mon, 3 Oct 2005 19:55:34 +0100**  
**Subject: Saturn October 1**

This is my first Saturn image of the apparition, and first with the ATK camera. Altitude too low as yet to see much, but new since the spring is the bluish N hemisphere now revealed by the decreasing ring tilt.

○ ······ **Date: Tue, 4 Oct 2005 23:06:53 +0100**  
**Subject: Mars this morning**

Mars was sitting in a gap between almost static, high-pressure clouds for me this morning, and seeing was quite good. Here is an image from 01:44, and an animation of 3 images from 00:56, 01:30 and 01:44. Quite fine detail is revealed including the Olympus Mons aureole, and orthographic clouds just forming over Arsia Mons and Pavonis Mons. These are much slighter than shown in images taken over the last few days when these features were closer to the terminator, suggesting the cloud formation is a regular Martian afternoon to evening phenomenon.

○ ······ **Date: Wed, 5 Oct 2005 22:47:34 +0100**  
**Subject: Mars 05 Oct**

Observations this morning from London show similar features to previous morning, but with slightly inferior seeing: dark and large Solis Lacus, Olympus Mons, and incipient faint clouds over Tharsis Montes. The animation covers 00:30 to 01:50 UT. Best wishes,

○ ······ **Date: Wed, 5 Oct 2005 22:57:59 +0100**  
**Subject: Mars 05 Oct**

Observations this morning from London show similar features to previous morning, but with slightly inferior seeing: dark and large Solis Lacus, Olympus Mons, and incipient faint clouds over Tharsis Montes. The animation covers 00:30 to 01:50 UT. Best wishes,

**David ARDITTI** (テダウ イット・アーテイチ Edgware 英)  
<http://www.davidarditti.co.uk>

● ······ **Date: Thu, 29 Sept 2005 03:21:22 -0400**  
**Subject: Mars Observation (September 28, 2005)**

I made observations of Mars on September 28, 2005

(06:30 U.T. (IL/W30) and 06:50 U.T. (W38)) under average seeing conditions (5-6/10). Brief moments of steady seeing (7/10) allowed me to note much detail over the Martian disk, especially over the southern hemisphere. I welcome any comments that you may have on my observations.

Date (U.T.): September 28, 2005  
 Time (U.T.): 06:30 (left image) and 06:50 (right image)  
 CM: 243.0 (left image) and 247.8 (right image)  
 Ls 296.5, De -10.5, Ds -22.0, Dia. 17.5", p 0.93  
 Instrument: 9-inch (23-cm) F/13.5 Maksutov-Cassegrain  
 Magnification: 248x and 344x. Filters (Wratten): 30 (magenta) and 38 (blue). Seeing (1-10): 5-6 (moments of 7), Antoniadi (I-V): III. Transparency (1-6): 3-4 (hazy)  
**Notes:** 06:30 U.T. (Left image, IL/W30): The South Polar Cap (SPC) appeared very small but brilliant (10/10) and surrounded by a dark (3/10) collar (Mare Australe). Mare Cimmerium was prominent (3-4/10) and mottled preceding the CM with Tritonis Sinus on the CM itself. A section of "Valhalla" was visible (5/10) to the north of Mare Cimmerium towards the preceding limb. Scamander was visible along the southern border of Mare Cimmerium (it's base (Scamandri Sinus) was darker (3/10) compared to the rest of the feature (4-5/10)). Electris, Eridania, and Ausonia appeared shaded to bright (6-7/10) and finely mottled. Mare Chronium appeared dusky (4/10) along the CM towards the south. Hesperia appeared as a bright to very bright (7-8/10) angled wedge on the CM between Mare Cimmerium and Mare Tyrrhenum (3-4/10). Syrtis Minor was visible as a dark (3/10) wedge following the CM. Mare Hadriacum was visible as a dusky to dark (3-4/10) eastern (preceding) border of a very bright to brilliant (8-9/10) Hellas. Iapygia Viridis was visible (4/10) adjacent to an extremely bright (9/10) morning limb haze (MLH). Syrtis Major appeared as a dark (3/10) wedge adjacent to the MLH. Moeris Lacus (4-5/10) was visible projecting from the preceding (eastern) border of Syrtis Major. Libya appeared very bright (8/10) possibly due to clouds or haze. Aeolis, Aethiopsis, and Aetheria appeared bright (7/10). Elysium was very bright to extremely bright (8-9/10) along the north-preceding limb. Pambotis Lacus (3/10), Eunostos (4/10), and the Hyblaeus Extension (3-4/10) were visible along the following border of Elysium. Nodus Alcyonius was visible as a dark (3/10) oval following the CM. Utopia was partially visible (4/10) south an extremely bright (9/10) North Polar Hood. An extremely bright (9/10) evening limb haze (ELH) was visible as well.

06:50 U.T. (Right image, Wratten 38): The South Polar Cap (SPC) appeared brilliant (10/10). Mare Cimmerium and Mare Tyrrhenum were visibly dull (5/10) with little other detail towards the center of the disk. Syrtis Major was visible as a dull (5/10) projection towards the following limb. Libya appeared very bright (8/10). Hesperia appeared as a thin, bright (7/10) wedge just preceding the CM. Hellas appeared very bright to extremely bright (8-9/10) with very bright (8/10) projections extending from it's preceding border over Ausonia. Extremely bright (9/10) morning and evening limb hazes (MLH and ELH) were visible. the North Polar Hood (NPH) appeared extremely bright (9/10) as well.

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

**Carlos HERNANDEZ** (カルロス・ヘルナンデス FL美)

● ······ **Date: Thu, 29 Sept 2005 13:22:56 +0200**  
**Subject: Re: MARS BLUE FOG**

Hi David (TYLER), I got the same identical result with

my latest images recorded at the same longitude! The limb was very bright through the G and B filter. I'm back from an astro-vacation and I had 4 useful sessions (1 excellent, 2 good and 1 fair), 90 GB datas recorded! The Moon was fantastic at full resolution (1392x1040) with my Infinity, but I'm afraid I'll become old when any SEQ file (3-4 GB each) will be processed! Hope before Christmas...

**Paolo LAZZAROTTI** (パオロ・ラッツァロッチェイ Massa 義)

●.....Date: *Fri, 30 Sept 2005 21:03:17 +0800*  
Subject: *20050929 mars*

Dear friends, Hey guys. Long time no contact, how are you. :-) Recently very busy in my officework and finally got the time slot for me to capture my first 2005 Mars. Fortunately I still know how to focus the image. :-)

The recent result posted by Damian captured with lumenera camera is really superb, hopefully I can get some images with 50% of his quality. However, the severe air pollution in Hong Kong make it difficult. Anyway, the feeling of resuming my imaging session is so cool!!! Again, thanks Cor for his Registax software. Can have a coffee while processing. Cheers,

**Eric NG** (吳偉堅 Hong Kong 香港)

●.....Date: *Fri, 30 Sept 2005 09:47:21 -0700*  
Subject: *Mars - September 29, 2005*

Here is a small set of Mars images taken Thursday morning. I may have over processed them a bit, but I won't change it now. Through crystal clear skies, the seeing has been real tough lately. I have lost two other mornings work due to poor seeing. Thanks

**David MOORE** (デーヴ・ムーア Phoenix, AZ 美)

●.....Date: *Sat, 1 Oct 2005 09:09:31 -0500*  
Subject: *[marsobservers] Mars October 1st*

Here are images of Mars taken October 1st 2005 from Houston Texas. It took a couple of days to get the observatory up and running again after fleeing Hurricane Rita.

<http://www.ghg.net/egrafton/m10-1-05.jpg>

C14 at f/39, taken with a ST402 CCD. Seeing 8/10, Transp. 6/10, Temp 77.4F, Relative Humidity 82%, Red/Grn/Blu @ 80% scale.

○.....Date: *Sun, 2 Oct 2005 07:57:10 -0500*  
Subject: *[marsobservers] Mars October 2nd*

Here are images of Mars taken October 2nd 2005 at 08:01 UT from Houston Texas.

<http://www.ghg.net/egrafton/m10-2-05.jpg>

C14 at f/39, taken with a ST402 CCD. Seeing 6/10, Transp. 8/10, Temp 79.9F, Relative Humidity 78%, Red/Grn/Blu @ 80% scale.

○.....Date: *Sun, 9 Oct 2005 12:30:49 -0500*  
Subject: *[marsobservers] Mars October 9th*

Here are images of Mars taken October 9th 2005 at 07:51 UT from Houston Texas.

<http://www.ghg.net/egrafton/m10-9-05.jpg>

C14 at f/39, taken with a ST402 CCD. Seeing 7/10, Transp. 9/10, Temp 60.9F, Relative Humidity 66%, Red/Grn/Blu @ 80% scale.

**Ed GRAFTON** (エド・グラフトン Houston TX 美)

●.....Date: *Sun, 02 Oct 2005 07:53:18 +0900*  
Subject: *Re: お問い合わせ*

>私も静香ちゃんに倣って電車にします。相互乗り入れらしく、よく分  
>かりませんが、成田行きがあるわけですね？ それを探します。

はいそうです。京浜急行の乗り場から出ていて、東京の地下鉄を通過して、京成電鉄に乗り入れています。

>今日荷物を一つ出して、LANケーブルを買ってきました。これは国際規  
>格でしたよね。

そのはずです。むこうにもあると思いますが。向こうで、シーハン氏に会ったら、よろしくお伝え下さい。向こうで何か必要なものがあつたらメールでご連絡いただければ、お送りします。また先日リック天文台のホームページを覗いたら、10月4日～25日の91cm屈折の利用予約にシーハン氏の名前がありました。アメリカ滞在中は、どうぞお体にお気をつけて。

**浅田 正** (T ASADA 宗像 Fukuoka)

●.....Date: *Sun, 2 Oct 2005 14:43:56 +0200*  
Subject: *Mars 2005/10/01*

Dear Mr Minami & Murakami ! Have this first set of Mars images from me, taken at first light with my Lumenera LU075M cam ! Sadly, bad seeing hinders fine details to be visible, but I'm astonished by the good blue images (Tharsis clouds !) with this new camera !

regards

**Robert SCHULZ** (ロバート・シュルツ Wien 奥)

●.....Date: *Sun, 2 Oct 2005 11:46:01 -0400*  
Subject: *Mars sketch 10.2.05*

Hello, I have attached my sketch of Mars from this morning. The SPC was very hard to detect with my 20 cm telescope. The martian disk appeared clear of dust and clouds with both the Wratten #23A and #80A filters.

8" SCT f/10 Mag: 338x & 254x Filters: W #23A,  
#21, #80A, #56, #11, & IL Seeing: 7/10 Transparency: 5/6  
Temp: 55°F Wind calm Heavy dew LCM: 232°~239°  
Ls 299° De -11° Ds -21° Dia: 17.9" Alt: ~63°

Thank you,

**Michael ROSOLINA** (マイケル・ロソリナ WV 美)

●.....Date: Sun, 02 Oct 2005 16:16:45 -0500  
Subject: Images.

Dear sirs: I am sending some images taken the 1st and 2nd of this month, after months of rain, using a 10" f/20 TEC Maksutov. Color was taken with 2.5X Powermate and the ToUcam, and B&W with 3X FFC and the LU-075. Best regards,

**Eric ROEL** (エリック・ロエル 墨西哥)

●.....Date: Fri, 7 Oct 2005 20:07:49 +0200  
Subject: Re: extra Mars 6 oct update

Sorry for the extra email I send you but I think resolution improved again in the same capture, See the capture at the left best to you

----- Original Message -----

From: Jan Adelaar

Sent: Friday, October 07, 2005 5:58 PM

Subject: Mars 6 oct update

シー・エム・オー・フクイ

中島 孝 Nj

★昨年穴水のローエル会議の一員としてお馴染みの「日本ローエル協会」の今年度の総会がこの十月22日(土)に東京・神田の学士会館で午後1時から開催されます(このことはCMO-Web#309の改訂版に挿入して公示してありますのでご覧下さい。)佐藤利男さんや長兼弘さんのローエルの写真についてのお話が用意されているようで、近郊の方は脚をお運び下さい。★今号は編集長がリック天文台に移動しているため、印刷丁合発送は西田氏と中島が承ります。不一

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

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From Mt Hamilton (Lick Observatory)

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