

## MARS

No. 363

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## OBSERVATIONS

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## CMO 2009/2010 Mars Report #07

OAA Mars Section

♂..... This time we deal with the Mars observations made during the period from

**16 September ( $\lambda=339^\circ\text{Ls}$ ) to 15 October ( $\lambda=355^\circ\text{Ls}$ ) 2009**

during which the apparent diameter of the planet  $\delta$  increased from 6.2" to 7.2". The central latitude  $\phi$  went down from 9°N to 15°N, and the phase angle was from 39° to 40°, now quite maximal and the disk will become more roundish henceforward. The apparent declination was going down from 23°N to 21°N.

During the period, the IWCMO was held in Paris/Meudon, but we had no opportunity to observe the planet Mars. The CMO however was uploaded on 25 September without delay and published (#362).

It goes without saying that in the following review we just refer to the ccd images on the CMO Web Site, and hence we hope the reader will always try to refer to the following Site:

[http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/f\\_image.html](http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/f_image.html)

♂.....今回は**16September( $\lambda=339^\circ\text{Ls}$ )**から**15October( $\lambda=355^\circ\text{Ls}$ )2009**の一ヶ月の観測を扱う。視直径 $\delta$ は6.2"から7.2"に伸びた。中央緯度 $\phi$ は9°Nから15°Nに下がって来た。位相角は39°から40°で、ほぼ最大、これから太ってゆく。視赤緯は23°N強から21°N強に落ちてきた。期間中パリでIWCMOが行われたが、パリで火星を観測する機会はなかった。但し、CMOは遅延無くuploadされ、発行できた(#362)。

なお、今さら言うまでもないが、以下のレビューにおいてccd像はCMO-Webに掲載のものだけ採り上げているので、適宜[http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/f\\_image.html](http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/f_image.html)を参照されたい。

♂..... We received the observations this time as follows. 今回拝受の観測報告は次の如くである。

**AKUTSU, Tomio 阿久津 富夫 (Ak)** セブ・フィリッピン Cebu, the Philippines

12 Colour + 12 B + 12 IR Images (3, 5, 9, 10, 14, 15 October 2009)

36cm SCT@f/36 with DFK21AU04/DMK21AU04

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

1 Set of Colour Images (20 September 2009) 36cm SCT@f/22 with DMK31AF03

**GERSTHEIMER, Ralf ラルフ・ゲルシュトハイマー(RGh)** ドイツ Habichitswald, Deutschland

1 Set of RGB + 2 LRGB + 13 IR Images (17, ~19, 22, 23, 26, 27 September; 5 October 2009)

32cm speculum@f/57 with a DMK21AF04

**GHOMIZADEH, Sadegh サデグ・ゴミザデ (SGh)** テヘラン・イラン Tehran, Iran

10 Colour + 10 B Images (30 September; 2, 3, 5, ~7, 11, ~14 October 2009)

28cm SCT with a DMK21AU04

**GORCZYNSKY, Peter ピート・ゴルチンスキー (PGc)** コネチカット Oxford, CT, USA

1 Set of RGB + 1 IR Images (20 September 2009)

18cm Maksutov-Cassegrain@f/42 with a DMK21AF04

**KUMAMORI, Teruaki 熊森 照明 (Km)** 堺 Sakai, Osaka, Japan

2 Sets of Colour Images (14, 15 October 2009)

20cm Dall-Kirkham@f/70, 90 with a DMK21AF04/DFK21AF04

**MAKSYMOWICZ, Stanislas** スタニスラス・マクシモヴィッチ (*SMk*) フランス France

2 Sets of Drawings (23, 26 September 2009) 250, 320×15cm Cassegrain

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

29 Sets of RGB + 30 IR Images (16, 18, 19, 20, 23, 26 September; 2, 3, 10, 11, 14, 15 October 2009)  
25cm speculum@f/60 with a Lu075M

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

19 Drawings (26 September; 3, 11, 12 October 2009) 400×20cm Goto ED refractor\*

**PELLIER, Christophe** クリストフ・ペリエ (*CPI*) フランス Seine-St-Denis, France

1 Set of RGB + 1 IR Images (27 September 2009) 25cm Cassegrain@f/51 with a SKYnyx 2-0M

**WALKER, Sean** ショーン・ウォーカー (*SWk*) ニューハンプシャー Chester, NH, USA

1 Set of RGB + 2 IR Images (21 September 2009) 32cm spec@f/50 with a DMK21AF04.AS

**WARREN, Joel** ジョエル・ウォーレン (*JWn*) テキサス Amarillo, TX, USA

3 Sets of RGB Images (2 October 2009) 28cm SCT (⊗2× Barlow) with a DBK21AF04.AS

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

♂.....a) **Yaonis Regio:** Ralf GERSTHEIMER (*RGh*) has been still very active, and made this time some colour images in addition to the IR images. His IR images on 17 Sept ( $\lambda=340^\circ\text{Ls}$ ) at  $\omega=305^\circ\text{W}$  and on 19 Sept ( $\lambda=341^\circ\text{Ls}$ ,  $\delta=6.3''$ ) at  $\omega=289^\circ\text{W}$  show that the tail of Mare Serpentis look broad and dark as if Yaonis R was darkening (on the contrary in 2007 Yaonis Fr and Mare Serpentis were quite separated). This must be because the diameter is still small or Nerei D is too dark, but interesting at present. These images also show Zea L. Sean WALKER (*SWk*)'s images on 21 Sept ( $\lambda=342^\circ\text{Ls}$ ) at  $\omega=304^\circ\text{W}$  look to show vaguely the broadness of the M Serpentis. Stanislas MAKSYMOWICZ (*SMk*) had a chance to see the scene on 13 Sept ( $\lambda=337^\circ\text{Ls}$ ) at  $\omega=280^\circ\text{W}$ ,  $293^\circ\text{W}$ , but his result was not definite. b) **M Tyrrhenum:** *RGh*'s IRGB images on 18 Sept ( $\lambda=340^\circ\text{Ls}$ ) at  $\omega=266^\circ\text{W}$  show the area. In 2007 the place was quite disturbed by the dust and the *pseudo-M Sirenum* appeared inside M Tyrrhenum (cf CMO No. 352). This is not yet definite this year, but the area around it looks more shadowy and the area of Trinacria is not light. The IR image of Tom ALDERWEIRELDT (*TAI*) on 20 Sept ( $\lambda=341^\circ\text{Ls}$ ) at  $\omega=255^\circ\text{W}$  looks to show the *pseudo-M Sirenum*. *RGh*'s image on 23 Sept ( $\lambda=343^\circ\text{Ls}$ ) at  $\omega=245^\circ\text{W}$  is a good image but mild. The scene came to the Far Orient in mid-October: On 10 Oct ( $\lambda=352^\circ\text{Ls}$ ) Yukio MORITA (*Mo*) observed at  $\omega=258^\circ\text{W}\sim 294^\circ\text{W}$ , and Tomio AKUTSU (*Ak*) at  $\omega=274^\circ\text{W}\sim 298^\circ\text{W}$ , but the area was obscure because of the poor seeing. Similar were also the images of *Mo* on 11 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=264^\circ\text{W}\sim 284^\circ\text{W}$ . The images on 14 Oct ( $\lambda=354^\circ\text{Ls}$ ) by *Mo* at  $\omega=234^\circ\text{W}$ ,  $244^\circ\text{W}$ , and by *Ak* at  $\omega=245^\circ\text{W}\sim 260^\circ\text{W}$  show the area uniformly, and Teruaki KUMAMORI (*Km*)'s on the day at  $\omega=248^\circ\text{W}$  looks to prove somewhat detailed but not definite about the *pseudo-M Sirenum*. *Ak*'s IR image on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) at  $\omega=247^\circ\text{W}$  is suggestive. *Km*'s L image on the day at  $\omega=242^\circ\text{W}$  looks taken under a poor seeing. c) **N Alcyonius and Utopia:** This Nodus point is apparent on *RGh*'s IR images on 18 Sept ( $\lambda=340^\circ\text{Ls}$ ) at  $\omega=266^\circ\text{W}$ , and on 22 Sept ( $\lambda=342^\circ\text{Ls}$ ) at  $\omega=249^\circ\text{W}$ , and can be found in almost all images. *Mo*'s images on 11 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=274^\circ\text{W}$  show it (especially see R), *Km*'s on 14 Oct ( $\lambda=354^\circ\text{Ls}$ ) at  $\omega=248^\circ\text{W}$  do it definitely, and *Ak*'s IR image on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) at  $\omega=247^\circ\text{W}$  depicts the point quite clearly. However on *Mo*'s images on the day at  $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ , the separation of N Alcyonius from Utopia is not definite. All images if composed with the B image, the southern tip of Utopia shows up above the north polar hood (nph): Earlier it is shown on the image of *TAI* on 20 Sept ( $\lambda=341^\circ\text{Ls}$ ) at  $\omega=248^\circ\text{W}$ . On the colour image of *Ak* on 14 Oct ( $\lambda=354^\circ\text{Ls}$ ) at  $\omega=255^\circ\text{W}$ , the nph is quite thick while Utopia also is very dark. Visually Takashi NAKAJIMA (*Nj*) at Fukui recognised that the tip of

Utopia was outside the npf on 11 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=232^\circ\text{W}\sim 271^\circ\text{W}$ . **d) The Morning Greenish Syrtis Mj:** There obtained a lot of images where Syrtis Mj prevailed. The morning Syrtis Mj was also shot several times but sometimes confused with the limb ghosts. Exceptionally the images by *Mo* and *Ak* on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) at  $\omega=229^\circ\text{W}$  and  $\omega=235^\circ\text{W}$  respectively prove that the morning Syrtis Mj shows a tint of a light green. **e) The Morning Hellas:** *RGh's* colour image on 18 Sept ( $\lambda=340^\circ\text{Ls}$ ) at  $\omega=266^\circ\text{W}$  may suggest that Hellas is whitish at the morning limb, but no B image is accompanied. The images of WARREN (*JWn*) on 2 Oct ( $\lambda=348^\circ\text{Ls}$ ) at  $\omega=237^\circ\text{W}$  show clearly the whitish Hellas (cloud or frost) near the morning limb which is apparent in B. *Nj* also observed the bright Hellas near the morning limb on 12 Oct ( $\lambda=353^\circ\text{Ls}$ ) at around  $\omega=230^\circ\text{W}$ ,  $240^\circ\text{W}$ . Hellas looks whitish light on the images on 14 Oct ( $\lambda=354^\circ\text{Ls}$ ) by *Mo* at  $\omega=234^\circ\text{W}$ ,  $244^\circ\text{W}$ , by *Ak* at  $\omega=245^\circ\text{W}\sim 260^\circ\text{W}$ , and by *Km* at  $\omega=248^\circ\text{W}$ , but not clear. *Mo's* images on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) do not show the white colour. **f) M Cimmerium and the Ætheria Dark Patch:** M Cimmerium is normal on the images of *RGh* on 22 Sept ( $\lambda=342^\circ\text{Ls}$ ) at  $\omega=221^\circ\text{W}$  (LRGB) as well as at  $\omega=218^\circ\text{W}$ ,  $249^\circ\text{W}$  (IR). *RGh's* image on 23 Sept ( $\lambda=343^\circ\text{Ls}$ ) at  $\omega=245^\circ\text{W}$  shows it mildly. Similarly *RGh's* images on 26 Sept ( $\lambda=344^\circ\text{Ls}$ ) at  $\omega=224^\circ\text{W}$ , and on 27 Sept ( $\lambda=345^\circ\text{Ls}$ ) at  $\omega=215^\circ\text{W}$  show the whole image of M Cimmerium. On these the Ætheria dark patch is dark extending to the south. From Japan no good image of M Cimmerium was obtained, but somewhat show it on the images made on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) by *Mo* at  $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ , by *Ak* at  $\omega=235^\circ\text{W}\sim 247^\circ\text{W}$ , and by *Km* at  $\omega=242^\circ\text{W}$ . The Ætheria dark patch is apparent on every image by these authors, and especially the image of *Mo* at  $\omega=229^\circ\text{W}$  shows a light streak preceding adjacent to the dark patch: It is never Elysium but may be a dust. On the next (40 minutes later) observation it looks blurred. *Nj* observed M Cimmerium and the dark patch at Ætheria on 12 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=210^\circ\text{W}$ ,  $242^\circ\text{W}\sim 271^\circ\text{W}$ . **g) M Sirenum and Its Northern Hemisphere:** *Mo's* images on 16 Sept ( $\lambda=339^\circ\text{Ls}$ ) at  $\omega=154^\circ\text{W}$  show M Sirenum dark but its form is unclear ( $\phi=9^\circ\text{N}$ ). Christophe PELLIER (*CPl's* images on 27 Sept ( $\lambda=345^\circ\text{Ls}$ ) at  $\omega=170^\circ\text{W}$  suggest also the dark M Sirenum but its form is indefinite. His images however show up more clearly the northern hemisphere, and the area of Propontis I to Phlegra is well described. Elysium is slightly light near the morning side. *RGh's* images on 5 Oct ( $\lambda=349^\circ\text{Ls}$ ) at  $\omega=121^\circ\text{W}$  show M Sirenum on the morning side but its eastern side is not yet definite: The change in 2007 may still prevail however. Its IR image at  $\omega=118^\circ\text{W}$  is suggestive. His G image shows an interesting shape of the npf clearly, whereas the B image is so blurred that the npf is not so clear in RGB. **h) Area around Solis L:** Solis L is definitely a dark spot isolated on *Mo's* images on 23 Sept ( $\lambda=343^\circ\text{Ls}$ ) at  $\omega=073^\circ\text{W}$ ,  $083^\circ\text{W}$ : The heart-like shape area from Ophir to the old Tharsis is bright. The evening Chryse looks strange but not evident in B. The image of Solis L on *Mo's* on 26 Sept ( $\lambda=345^\circ\text{Ls}$ ) at  $\omega=043^\circ\text{W}$ ,  $053^\circ\text{W}$ ,  $063^\circ\text{W}$  is not clear. Nilokeras from M Acidalium is quite dark. **i) The Morning Chryse:** On *Mo's* images on 2 Oct ( $\lambda=348^\circ\text{Ls}$ ) at  $\omega=344^\circ\text{W}$  the morning Chryse is light while it is duller at the following angles  $\omega=353^\circ\text{W}$ ,  $004^\circ\text{W}$ . On 3 Oct ( $\lambda=348^\circ\text{Ls}$ ), *Ak's* images at  $\omega=350^\circ\text{W}$ ,  $002^\circ\text{W}$  show it slightly light, and *Mo's* do it light at  $\omega=353^\circ\text{W}$ . *Nj's* visual observations on 3 Oct noted the morning Chryse light. Sadegh GHOMIZADEH (*SGh's* images on 11 Oct ( $\lambda=352^\circ\text{Ls}$ ) at  $\omega=350^\circ\text{W}$ , and on 12 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=334^\circ\text{W}$  show similarly it to be light. His image on 13 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=328^\circ\text{W}$  shows some details. **j) Deuteronilus:** *SGh's* images on 12 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=334^\circ\text{W}$ , and on 13 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=328^\circ\text{W}$  show clearly the running canal of Deuteronilus from Niliacus L. **k) Evening Hellas:** Pete GORCZYNSKY (*PGc's* images on 20 Sept ( $\lambda=341^\circ\text{Ls}$ ) at  $\omega=322^\circ\text{W}$  show the evening Hellas (especially in IR) but not whitish in B (while the npf is quite clearly large whitish). However on *Mo's* images on 2 Oct ( $\lambda=348^\circ\text{Ls}$ ) at  $\omega=344^\circ\text{W}$  it is slightly whitish. On *Ak's* images on 5 Oct ( $\lambda=349^\circ\text{Ls}$ ) at  $\omega=323^\circ\text{W}$ , it looks atmospheric joined with the south polar region (spr). *SGh's* image on 12 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=334^\circ\text{W}$  shows the evening

Hellas slightly whitish, and his on 14 Oct ( $\lambda=354^\circ\text{Ls}$ ) at  $\omega=318^\circ\text{W}$  is also notable. **l) SPR:** The south polar region (spr) is interesting connected with Hellas and Argyre, but it will become difficult because of the coming tilt. On SWk's images on 21 Sept ( $\lambda=342^\circ\text{Ls}$ ) at  $\omega=304^\circ\text{W}$ , some cloud looks floating at the spr independent of Hellas. On Mo's images on 26 Sept ( $\lambda=345^\circ\text{Ls}$ ) at  $\omega=043^\circ\text{W}$ ,  $053^\circ\text{W}$ , the spr is light to the south of Solis L. On Ak's images on 9 Oct ( $\lambda=352^\circ\text{Ls}$ ) at  $\omega=295^\circ\text{W}$ , the spr atmosphere is not separable from Hellas, but later is less light. It was also the same on 10 Oct ( $\lambda=352^\circ\text{Ls}$ ) on the images of Mo at  $\omega=258^\circ\text{W}\sim 294^\circ\text{W}$ , and of Ak at  $\omega=274^\circ\text{W}\sim 298^\circ\text{W}$ . Mo's images on 11 Oct ( $\lambda=353^\circ\text{Ls}$ ) at  $\omega=274^\circ\text{W}$ ,  $284^\circ\text{W}$  show the spr whitish. Also light the spr on the images on 15 Oct ( $\lambda=355^\circ\text{Ls}$ ) of Mo at  $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ , and of Ak at  $\omega=235^\circ\text{W}$ ,  $245^\circ\text{W}$ . **m) NPH:** Every image shows the north polar hood (nph) to be very large whitish. Especially in the RGB images it appears thick. However this time there were few images in which the boundary of the nph is interesting. No image is found to shoot the Dawes slit.

♂…… a) **ヤオニス・レギオ** : ゲルシュトハイマー(RGh)氏は依然健闘が見事で、今まではIR像だけであったが、今回からカラーも混じるようになった。先ず、IR像の成果であるが、17Sept( $\lambda=340^\circ\text{Ls}$ )  $\omega=305^\circ\text{W}$ 及び19Sept( $\lambda=341^\circ\text{Ls}$ ,  $\delta=6.3''$ ) $\omega=289^\circ\text{W}$ でマレ・セルペンティスの尾っぽが濃く、2007年にはヤオニス・フレトゥムとはヤオニス・レギオに依って分離していたが、この段階ではくっついてヤオニス・レギオが濃くなっているか少なくともネレイ・デプレッショが濃く見えている。これらの像にはゼア・ラクスも出ているようである。ウォーカー(SWk)氏の21Sept( $\lambda=342^\circ\text{Ls}$ ) $\omega=304^\circ\text{W}$ にも明確にはハッキリしないが、マレ・セルペンティスの尾っぽ等は両方太く見えている。マクシモヴィッツ(SMk)氏は13Sept( $\lambda=337^\circ\text{Ls}$ ) $\omega=280^\circ\text{W}$ ,  $293^\circ\text{W}$ で機会があったが、意識はない。b) **マレ・テュッレヌム** : RGh氏の18Sept( $\lambda=340^\circ\text{Ls}$ ) $\omega=266^\circ\text{W}$ のIRGB像に出ている。2007年の擬似マレ・シレヌム(CMONo.352参照)は存在するようだが、未だ不明確で、辺りは暗くなっている。トリナクリアは暗いと思われる。アルデルヴァイレルト(TAl)氏の20Sept( $\lambda=341^\circ\text{Ls}$ ) $\omega=255^\circ\text{W}$ のIR像では擬似マレ・シレヌムが明確である。RGh氏の23Sept( $\lambda=343^\circ\text{Ls}$ ) $\omega=245^\circ\text{W}$ はマイルドだがたいへん好い像である。この場面は十月中旬に東洋に来て、10Oct( $\lambda=352^\circ\text{Ls}$ )には森田行雄(Mo)氏が $\omega=258^\circ\text{W}\sim 294^\circ\text{W}$ で、阿久津富夫(Ak)氏が $\omega=274^\circ\text{W}\sim 298^\circ\text{W}$ で捉えているが、シーイングが悪くて不明確である。Mo氏の11Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=264^\circ\text{W}\sim 284^\circ\text{W}$ 等でも同様である。14Oct( $\lambda=354^\circ\text{Ls}$ )のMo氏の $\omega=234^\circ\text{W}$ ,  $244^\circ\text{W}$ 、Ak氏の $\omega=245^\circ\text{W}\sim 260^\circ\text{W}$ ではマレ・テュッレヌム一帯が稍一様に描写され、熊森照明(Km)氏の $\omega=248^\circ\text{W}$ では稍詳細に富むかと言ったところ。擬似マレ・シレヌムは見えない。15Oct( $\lambda=355^\circ\text{Ls}$ )のAk氏の $\omega=247^\circ\text{W}$ のIRは示唆に富む像である。Km氏の $\omega=242^\circ\text{W}$ のL像ではややシーイングが悪い。c) **ノドゥス・アルキュオニウスとウトピア** : この斑点は先のRGh氏の18Sept( $\lambda=340^\circ\text{Ls}$ ) $\omega=266^\circ\text{W}$ 、22Sept ( $\lambda=342^\circ\text{Ls}$ ) $\omega=249^\circ\text{W}$ のIR像にも明確で、以後大抵の像には出ている。Mo氏の11Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=274^\circ\text{W}$ に出ているほか(R像参照)、Km氏の14Oct( $\lambda=354^\circ\text{Ls}$ ) $\omega=248^\circ\text{W}$ には明確であり、15Oct( $\lambda=355^\circ\text{Ls}$ )のAk氏の $\omega=247^\circ\text{W}$ のIR像では甚だハッキリしている。但し、Mo氏の同日 $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ ではノドゥス・アルキュオニウスとウトピアとの分離が悪い。なお、これらの像ではBを重ねた像でもウトピアの南部は北極雲の上に出ている。早くにはTAl氏の20Sept( $\lambda=341^\circ\text{Ls}$ ) $\omega=248^\circ\text{W}$ などでも見えている。Ak氏の14Oct( $\lambda=354^\circ\text{Ls}$ ) $\omega=255^\circ\text{W}$ のカラー像では北極雲も濃いが、ウトピアが非常に暗い。眼視では、中島孝(Nj)氏が11Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=232^\circ\text{W}\sim 271^\circ\text{W}$ の観測でウトピアが北極雲の南に出ているのを認めている。d) **シュルティス・マイヨルの朝** : シュルティス・マイヨルの像は多く、朝方の像も多いがゴーストと紛れることが多い。その中で、15Oct( $\lambda=355^\circ\text{Ls}$ )のMo氏の $\omega=229^\circ\text{W}$ 、Ak氏の $\omega=235^\circ\text{W}$ では、朝のシュルティス・マイヨルが灰かに浅葱色をしている。なお、シュルティス・マイヨルは $\omega=213^\circ\text{W}$ ぐらいから現れるはずである。e) **明け方のヘッラス** : RGh氏の18Sept( $\lambda=340^\circ\text{Ls}$ ) $\omega=266^\circ\text{W}$ にはヘッラスの朝方が白いかも知れないが、B像が無いのが惜しい。ウォーレン(JWn)氏の20Oct( $\lambda=348^\circ\text{Ls}$ ) $\omega=237^\circ\text{W}$ の像ではヘッラスが白雲か白霜を被って朝方にクッキリ出てきている。これはBで明らかである。Nj氏も12Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=230^\circ\text{W}$ ,  $240^\circ\text{W}$ 辺りで



朝方のヘッラスが明るいことを注意している。なお、14Oct( $\lambda=354^\circ\text{Ls}$ )のMo氏の $\omega=234^\circ\text{W}$ 、 $244^\circ\text{W}$ 、Ak氏の $\omega=245^\circ\text{W}\sim 260^\circ\text{W}$ 、Km氏の $\omega=248^\circ\text{W}$ でも稍明るく白いかと言ったところだが切れがない。一方、Mo氏の15Oct( $\lambda=355^\circ\text{Ls}$ )の連続像では白さが余り出ていない様に思う。f) **マレ・キムメリウムとアエテリアの暗斑**：マレ・キムメリウムはRGh氏の22Sept( $\lambda=342^\circ\text{Ls}$ ) $\omega=221^\circ\text{W}$ のLRGB像(及び $\omega=218^\circ\text{W}$ 、 $249^\circ\text{W}$ のIR像)にノーマルな形で出ている。RGh氏の23Sept( $\lambda=343^\circ\text{Ls}$ ) $\omega=245^\circ\text{W}$ にもマイルドに出ている。同じく26Sept( $\lambda=344^\circ\text{Ls}$ ) $\omega=224^\circ\text{W}$ 、27Sept( $\lambda=345^\circ\text{Ls}$ ) $\omega=215^\circ\text{W}$ にも全貌が出ている。アエテリアの暗斑が南に延びて甚だ濃い。日本からはマレ・キムメリウムの好い像が出なかったが、15Oct( $\lambda=355^\circ\text{Ls}$ )にはMo氏が $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ 、Ak氏が $\omega=235^\circ\text{W}\sim 247^\circ\text{W}$ 、Km氏が $\omega=242^\circ\text{W}$ で片鱗を出している。なお、アエテリアの暗斑は何れにもよく出ており、Mo氏の $\omega=229^\circ\text{W}$ では暗斑の東側が明るい。エリュシウムそのものとは違うので、ダストかも知れない。次の観測では不分明になっている。Nj氏は12Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=210^\circ\text{W}$ 、 $242^\circ\text{W}\sim 271^\circ\text{W}$ でマレ・キムメリウムを観測し、濃いアエテリアの暗斑もチェックしている。g) **マレ・シレヌムとその北半球**：Mo氏の16Sept( $\lambda=339^\circ\text{Ls}$ ) $\omega=154^\circ\text{W}$ 等にマレ・シレヌムが出ているが、形が不明である。 $\phi=9^\circ\text{N}$ で、まだまだ北を向くから観測が難しくなる。ペリエ(CPI)氏の27Sept( $\lambda=345^\circ\text{Ls}$ ) $\omega=170^\circ\text{W}$ でもマレ・シレヌムの辺りは濃い、詳細は不分明である。然し、北半球の描写は好く、プロポンティスI辺りからフレグラ辺りの暗斑がよく出ている。エリュシウムが朝方で稍明るい。RGh氏の5Oct( $\lambda=349^\circ\text{Ls}$ ) $\omega=121^\circ\text{W}$ ではマレ・シレヌムが朝方に見えるが、東側もまだハッキリしない。2007年の変化はまだ残っている風にも見える。IR像の $\omega=118^\circ\text{W}$ は暗示的。なお、本体の像はRGB像だが、Bで北極雲がよく出ていない。但しG像は北極雲の形に関して魅力的。h) **ソリス・ラクス周辺**：ソリス・ラクスはMo氏の23Sept( $\lambda=343^\circ\text{Ls}$ ) $\omega=073^\circ\text{W}$ 、 $083^\circ\text{W}$ で暗点として独立して明確。オピルから旧タルシスに掛けてハート型で明るい。夕方のクリュセが奇妙だが、Bでは出ていない。26Sept( $\lambda=345^\circ\text{Ls}$ ) $\omega=043^\circ\text{W}$ 、 $053^\circ\text{W}$ 、 $063^\circ\text{W}$ は少し切れが悪い。マレ・アキダリウムからニロケラスが濃い。i) **朝のクリュセ**：Mo氏の2Oct( $\lambda=348^\circ\text{Ls}$ ) $\omega=344^\circ\text{W}$ では朝方のクリュセが明るい。 $\omega=353^\circ\text{W}$ 、 $004^\circ\text{W}$ では然程ではない。3Oct( $\lambda=348^\circ\text{Ls}$ )のAk氏の $\omega=350^\circ\text{W}$ 、 $002^\circ\text{W}$ では明るい方。Mo氏の $\omega=353^\circ\text{W}$ では明るい。Nj氏の3Octの観察でも朝のクリュセが明るいときがあった。遅れてゴミザデ(SGh)氏の11Oct( $\lambda=352^\circ\text{Ls}$ ) $\omega=350^\circ\text{W}$ 、12Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=334^\circ\text{W}$ でも同様に明るい。13Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=328^\circ\text{W}$ では稍詳細に富んでいる。j) **デウテロニルス**：SGh氏の12Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=334^\circ\text{W}$ 、13Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=328^\circ\text{W}$ ではニリアクス・ラクスから東に走るデウテロニルスが非常に明確である。k) **夕方のヘッラス**：ゴルチンスキ(PGc)氏の20Sept( $\lambda=341^\circ\text{Ls}$ ) $\omega=322^\circ\text{W}$ では夕方のヘッラスが出ているが、白くはない(北極雲は非常に白い)。しかし、Mo氏の2Oct( $\lambda=348^\circ\text{Ls}$ ) $\omega=344^\circ\text{W}$ では稍白さが出てきている。Ak氏の5Oct( $\lambda=349^\circ\text{Ls}$ ) $\omega=323^\circ\text{W}$ では南極地方と融合して大气的に見える。SGh氏の12Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=334^\circ\text{W}$ では夕方のヘッラスは白い。14Oct( $\lambda=354^\circ\text{Ls}$ ) $\omega=318^\circ\text{W}$ にも注目。l) **南極地方**：南極地方はヘッラスと絡んで興味のあるところだが、これから $\phi$ の関係で観測が難しくなる。SWk氏の21Sept( $\lambda=342^\circ\text{Ls}$ ) $\omega=304^\circ\text{W}$ ではヘッラスと独立して南極地方に雲が漂っているようだがどうであろうか。Mo氏の26Sept( $\lambda=345^\circ\text{Ls}$ ) $\omega=043^\circ\text{W}$ 、 $053^\circ\text{W}$ ではソリス・ラクスの南で南極地方が明るい。Ak氏の9Oct( $\lambda=352^\circ\text{Ls}$ ) $\omega=295^\circ\text{W}$ ではヘッラスと区別がつかないがヘッラスとは別に南極方面の方が明るい。10Oct( $\lambda=352^\circ\text{Ls}$ )のMo氏の $\omega=258^\circ\text{W}\sim 294^\circ\text{W}$ 、Ak氏の $\omega=274^\circ\text{W}\sim 298^\circ\text{W}$ でも同様。Mo氏の11Oct( $\lambda=353^\circ\text{Ls}$ ) $\omega=274^\circ\text{W}$ 、 $284^\circ\text{W}$ でも南極方面は白くなっている。15Oct( $\lambda=355^\circ\text{Ls}$ )のMo氏の $\omega=229^\circ\text{W}\sim 244^\circ\text{W}$ 、Ak氏の $\omega=235^\circ\text{W}$ 、 $245^\circ\text{W}$ でも南極地方は明るい。m) **北極雲**：どのイメージでも北極雲は濃く出ている。特にRGB系ではそうである。但し、境界が面白く写っているものは少ないし、ドーズのスリット(#357 pSer2-1074の予告で注意している)を狙ったものはない。どこも天候の持続やシーイングがなべて思わしくないであろう。

♂..... **追加報告** : We Further Received as follows:

PEACH, Damian A **デミアン・ピーチ (DPc)** High Wycombe, Buckinghamshire, UK

1 Set of Colour Images (19 August 2009) 36cm SCT@f/40 with a SKYnyx 2-0M

♂..... The images of Damian PEACH (DPc) were taken on 19 Aug ( $\lambda=324^\circ\text{Ls}$ ) at  $\omega=191^\circ\text{W}\sim 197^\circ\text{W}$  when  $\delta=5.6''$ : They show the details of M Cimmerium including the Herschel Crater and also do the shadows of Valhalla. The area from Propontis I to Phlegra is also detailed and the inside of Elysium is not plain. Near the spr M Chronium lies like a dark line. See

<http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/090819/DPc19Aug09.jpg>

♂..... ピーチ(DPc)氏の19Aug( $\lambda=324^\circ\text{Ls}$ ) $\omega=191^\circ\text{W}\sim 197^\circ\text{W}$ は前回 $\delta=5.6''$ の時に撮られたものだが、マレ・キムメリウムの詳細(ハーシェル・クレータ等)が出ているほか、ヴァルハラの影が見える。プロポンティスIからフレグラが詳しい上にエリュシウムの内部も灰かに出ている。南ではマレ・クロニウムが暗線状になっている。

♂..... In the next issue we shall review the observations made during the period from 16 October ( $\lambda=355^\circ\text{Ls}$ ,  $\delta=7.2''$ ) to 15 November 2009 ( $\lambda=010^\circ\text{Ls}$ ,  $\delta=8.8''$ ).

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*Forthcoming 2009/2010 Mars (8)*

## 今回の火星の見掛けの大きさや位相の変化 Disks Displaying the Relative Sizes and Phases

Masami MURAKAMI and Akinori NISHITA

村上 昌己(Mk)、西田 昭徳(Ns)

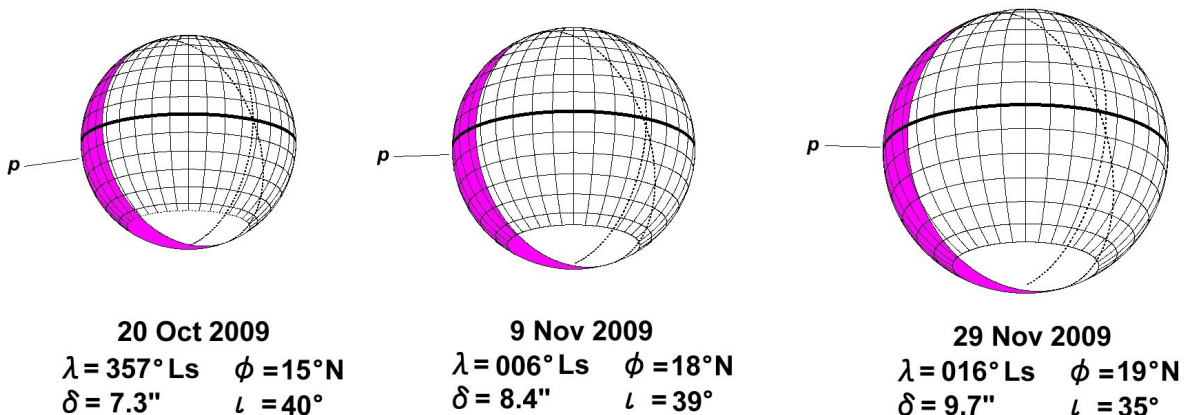
愈々火星の北半球の春分( $\lambda=000^\circ\text{Ls}$ )以降を観測出来る季節の始まりである。本稿では、10月20日から20日ごとのグリッド図を掲載して、視直径( $\delta$ )・傾き( $\phi$ )・位相( $i$ )の変化、天の西の方向( $p\leftarrow$ )を図示する。10月26日に $\lambda=000^\circ\text{Ls}$ となり、この時の視直径 $\delta$ は7.6秒角で、十分な大きさとなっている。欠け具合は未だ $i=40^\circ$ ほどでキツイが、10月中旬でピークは過ぎている。最接近は、2010年1月27日19h(TT)で最大視直径 $\delta_{\max}$ は14.1秒角となる。黄経衝は1月29日20h(TT)で、最接近と衝の図は並べて掲載してある。

図中、経度線に平行な点線はN線で、火星地方時の正午の位置を示す。現在では火星面は殆どが午後に入って居ることに注意する。詰まり朝方は角度にして大凡 $i$ 位は見えていない訳である。

別の点線はM線で、欠け際の大円と直角な大円

を示している。M線を挟んで欠けと反対の方向に太陽が位置することとなり、衝の頃には急速に反転する。今回の衝では太陽は火星の北側を通り、欠けは南端を廻っていく。N線とM線の交点は、Sub-Solar Pointで、この火星面で太陽は天頂にある。春分( $\lambda=000^\circ\text{Ls}$ )以降は夏至( $\lambda=090^\circ\text{Ls}$ )まで北回歸線(北高緯度側)へ移動していく。

今接近では、2009年8月に $\phi$ は北に動いて以降は南を向くことはなく、北半球の観測に適した接近である。春分前後迄の北半球では、北極雲の振る舞いが活動的であるが、その後は淡くなる場所もあり、マレ・アキダリウム領域ではドーズのスリットと呼んでいる雲から透けて地表が暗線となって見えるような現象も起きるようになる。また、エリュシウム西北のウァスティアス・ボレアリスが透けて暗線に見えるのが1992年には $\lambda=000^\circ\text{Ls}$ 頃

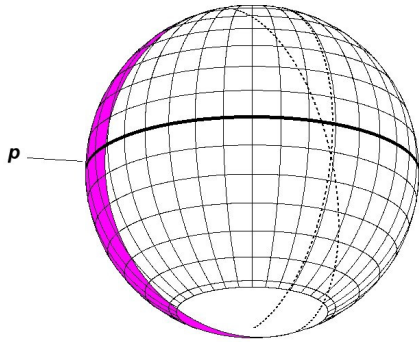


に捉えられている。2009年11月上旬頃までが観測のチャンスとなる。

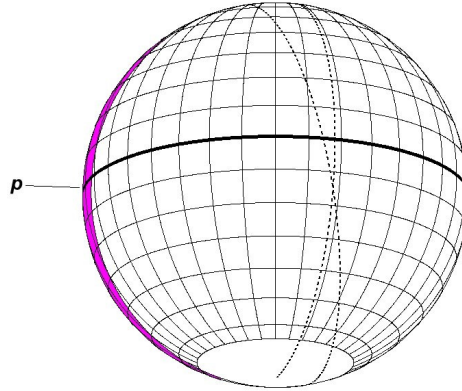
北極雲から垣間見える北極冠の見極めは、北極雲の日毎の活動により不確定な状況がしばらく続いて、北極冠との見え方の違いなど留意が必要な時期である。北半球の春分( $\lambda=000^\circ\text{Ls}$ )頃には、明

るい朝雲がマレ・アキダリウなどに懸かる現象が観測されるが、次第に北極雲は弱くなる。北極雲の晴れ上がりによる北極冠の完全な出現は $\lambda=020^\circ\text{Ls}$ 頃と予想され、2009年12月上旬にあたる。

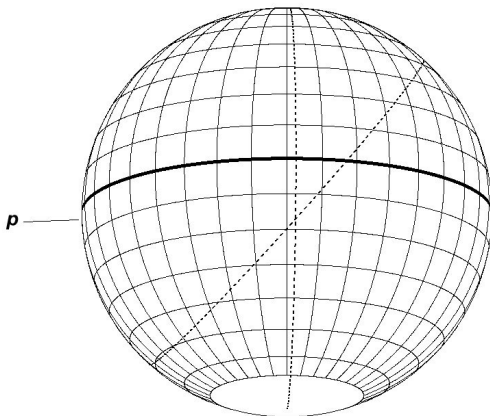
最接近の頃には $\lambda=040^\circ\text{Ls}$ を越えて、大きな視直径のころに、縮小していく北極冠の様子を観測出



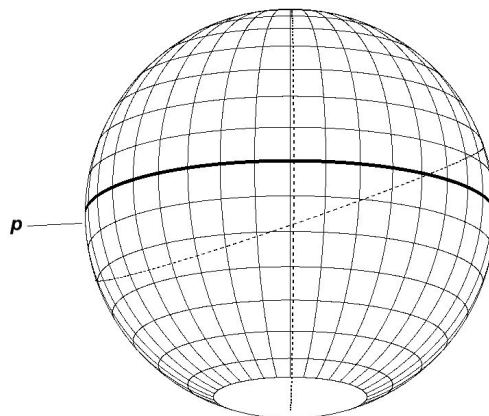
**19 Dec 2009**  
 $\lambda = 026^\circ\text{Ls}$     $\phi = 19^\circ\text{N}$   
 $\delta = 11.5''$     $l = 29^\circ$



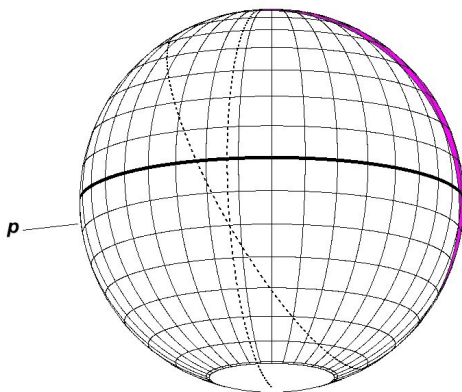
**8 Jan 2010**  
 $\lambda = 035^\circ\text{Ls}$     $\phi = 18^\circ\text{N}$   
 $\delta = 13.3''$     $l = 18^\circ$



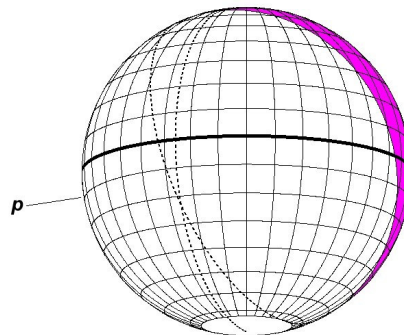
**28 Jan 2010**  
 $\lambda = 044^\circ\text{Ls}$     $\phi = 15^\circ\text{N}$   
 $\delta = 14.1''$     $l = 03^\circ$



**29 Jan 2010 20hTT**  
 $\lambda = 045^\circ\text{Ls}$     $\phi = 15^\circ\text{N}$   
 $\delta = 14.1''$     $l = 03^\circ$

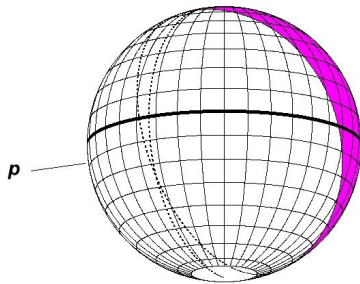


**17 Feb 2010**  
 $\lambda = 053^\circ\text{Ls}$     $\phi = 13^\circ\text{N}$   
 $\delta = 13.2''$     $l = 15^\circ$

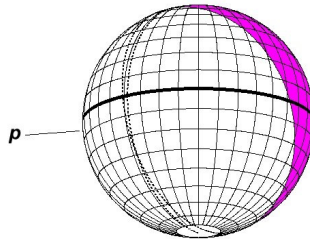


**9 Mar 2010**  
 $\lambda = 062^\circ\text{Ls}$     $\phi = 13^\circ\text{N}$   
 $\delta = 11.3''$     $l = 26^\circ$

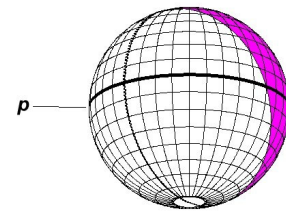




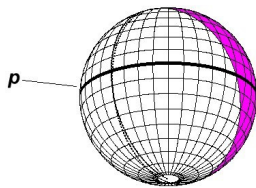
29 Mar 2010  
 $\lambda = 070^\circ \text{Ls}$   $\phi = 14^\circ \text{N}$   
 $\delta = 9.5''$   $\iota = 33^\circ$



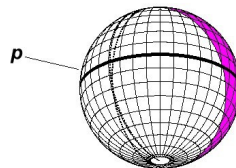
18 Apr 2010  
 $\lambda = 079^\circ \text{Ls}$   $\phi = 16^\circ \text{N}$   
 $\delta = 8.0''$   $\iota = 37^\circ$



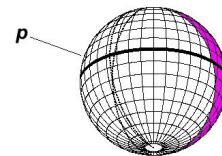
8 May 2010  
 $\lambda = 088^\circ \text{Ls}$   $\phi = 19^\circ \text{N}$   
 $\delta = 6.9''$   $\iota = 37^\circ$



28 May 2010  
 $\lambda = 097^\circ \text{Ls}$   $\phi = 22^\circ \text{N}$   
 $\delta = 6.1''$   $\iota = 37^\circ$



17 June 2010  
 $\lambda = 106^\circ \text{Ls}$   $\phi = 24^\circ \text{N}$   
 $\delta = 5.6''$   $\iota = 36^\circ$



7 July 2010  
 $\lambda = 115^\circ \text{Ls}$   $\phi = 26^\circ \text{N}$   
 $\delta = 5.1''$   $\iota = 34^\circ$

来る絶好の機会である。ボームのプラトーと呼ぶ北極冠の縮小の停滞が捉えられるかどうか、追跡に興味のあるところである。北極冠の縮小に関してはCMO#357 Ser2-p1075を参照されたい。

Now the opportunity has come of observing the Martian season after the northern spring equinox ( $\lambda=000^\circ \text{Ls}$ ) in a preferable condition: This article shows the relative sizes of the Martian disk at 00:00 GMT every 20 days from 20 October. The angular diameter ( $\delta$ ), the tilt ( $\phi$ ), and phase ( $\iota$ ) are illustrated together with the direction of the planet movement by ( $p \leftarrow$ ). On 26 October 2009, the spring equinox visits when the  $\delta$  is 7.6 arc secs. However the phase angle is about  $\iota = 40^\circ$ , and never roundish, but in mid-October its peak passed.

The planet will be closest to the Earth on 27 January 2010 at 19h TT, and the maximal angular diameter will be 14.1 arc secs. It will be at opposition along the zodiac on 29 January 2010 at 20h TT: Both cases are illustrated here.

The dotted line parallel to the longitudinal line is called the *N* line, showing the line being at noon. Before opposition a large part is occupied by the afternoon side and

the morning side of about  $\iota^\circ$  cannot be observed because it is at the rear side. After opposition the situation is reversed. Another dotted line, which we call the *M* line, is perpendicular to the great circle of the boundary of the defect of illumination. It will rapidly turn to the opposite side. This time the Sun passes to the north of the planet and the defect of illumination will pass through the southern limb of Mars. The intersection of the *N* line and the *M* line is the so-called *Sub-Solar Point* where the Sun shines at the zenith. It will stay on the northern hemisphere after the spring equinox.

This apparition, the tilt  $\phi$  turned to the north from August 2009 and hence we can observe fully the northern hemisphere including the appearance and the thawing of the north polar cap (npc). Until around  $\lambda=020^\circ \text{Ls}$  (at the beginning of December 2009), the north polar hood (nph) will haunt and show us some interesting phenomena including the detection of the Dawes slit. Especially watch the area of Mare Acidalium and Utopia until mid-November 2009.

Finally we stress that this is a good opportunity to observe the presence or absence of the Baum plateau after  $\lambda=040^\circ \text{Ls}$ . Cf. CMO #357 page Ser2-1075.  $\square$

便り  
 Letters to the Editor

●.....Subject: Mars 23.9.2009  
 Received: Thu 24 Sept 2009 4:34 JST

Dear Masatsugu, that's mars from 23. September 2009, just before clouds covered the sky. With best wishes

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/090923/RGh23Sept09.jpg>  
 ○.....Subject: Mars 26./27.9.2009  
 Received: Mon 28 Sept 2009 4:01 JST

Dear Masatsugu, i send you 3 images from 26. and 27. September 2009. With best wishes

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/090926/RGh26Sept09.jpg>  
<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/090927/RGh27Sept09.jpg>  
 ○.....Subject: Mars 5.10.09  
 Received: Tue 06 Oct 2009 03:39:42 JST

Dear Masatsugu, after some rainy days, i could take new images. With best wishes



http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091005/RGh05Oct09.jpg

**Ralf GERSTHEIMER** (ラルフ・ゲルシュトハイマー

Habichtswald 徳)

●.....**Subject: Thank you**  
**Received: Fri 25 Sept 2009 21:05 JST**

Dear Masatsugu, I just returned from Paris last night—I spent five days or so after the IWC MO showing my colleagues from the Astronomical Society of the Pacific around Paris, and visited the Louvre, the Musée D’Orsay, Giverny and the gargoyles of Notre Dame. My one regret is that we never really had a chance to spend time together; there were too many distractions. However, everyone who has communicated with me was very complimentary of the talks, and some of the ASP guests who attended the session at Meudon singled yours out as being particularly interesting.

I learned a great deal from your propositions, and was also glad for a reminder of the various key points in the history of Japanese Mars observations that you had first lucidly presented in Japan.

I was sorry you were not feeling well at Juvisy. I did take some images of Mars globes and other exhibits in the library and will send you them as soon as I can get out from under things and find them.

I hope your wife, who charmed everyone by her elegance and intelligence, had a pleasant visit to Paris.

Above all I want to express my deep gratitude to you for first originating the idea of having this meeting and for contacting Nicolas Bivier to sponsor it in connection with the *International Year of Astronomy*. You are self-effacing and never seek the limelight. But actually the meeting was the invention of your fertile brain, and everyone at the meeting recognized you as the most eminent of any of us—though others I regard as fellow Martians, you alone are worthy of the term “Maitre Martien” that Lowell applied to Schiaparelli. With gratitude and affection,

○.....**Subject: Re: Photos**  
**Received: Wed 30 Sept 2009 21:09:13 JST**

Dear Masatsugu, Thank you for the very warm message of the other day, and for the excellent images just received. They do remind me of the splendid experience we had at Meudon. Again, I wish that I had had more time to spend with you and your dear wife, but having shoehorned (forced?) so many people to participate in the meeting when I heard that the registrations were lagging behind, I was spread thin. However, everyone who attended the meeting reported feeling very happy with their participation.

I have been slowly recovering from the exhaustion of the trip (I was gone five weeks in all, with the add-ons before the meeting and the extension to show the Astronomical Society of the Pacific participants some of Paris), and also have had some gastrointestinal disturbances related no doubt to reequilibrating to a diet less loaded with Belgian beer, French wine, and gourmet food. I am slowly sorting through my images and know I have some of Nicolas and Christophe, and know I took

some at Meudon of Christophe giving his very stimulating lecture. I will send them in the next few days as they are recovered.

I am hopeful that your surgery will go well and that you will soon be recovered to full health. Then we will see about the feasibility of your coming to Flagstaff to see the cloud-covered Olympus Mons in January with Greg Mort and me. I would also like to show you the Lowell Observatory which is kept up rather better than either Meudon or Juvisy! Ever,

○.....**Subject: FW: To the Mars Paris Team!**  
**Received: Thu 01 Oct 2009 01:41:23 JST**

Dear Masatsugu, I just received this from Antoinette Beiser at Lowell Observatory and thought you would like to see it—perhaps it whets your appetite for a visit to Flagstaff in January. The San Francisco Peaks are hooded in orographic clouds like Olympus Mons in the spring.

○.....**Subject: Images of christophe and nicolas**  
**Received: Saturday, October 03, 2009 7:25 JST**

Dear Masatsugu, Here are the first images that I have for you. There will be others - I am only sorting through them now. One is a nice image of Christophe from the night of the reception, the other shows Nicolas behind the Lowell Mars globe in the



library at Juvisy.

Hope the surgery went well and you are resting and recovering. Best wishes,

○.....**Subject: Nicolas**  
**Received: Sun 04 Oct 2009 1:21 JST**



here you would be out of hospital within hours.



Dear Masatsugu, Another image - of Nicolas - striking a very thoughtful pose.

○.....**Subject: Re: Talk manuscripts at IWC MO**  
**Received: Tue 13 Oct 2009 03:19:21 JST**

Dear Masatsugu, I am glad that the eye surgery was ended, and that you are returned from hospital. It is remarkable to me that patients are allowed to remain in hospital so long in Japan;

I value your plan to post the talks given at Paris/Meudon on the CMO web site. They were all excellent. I had hoped by now to sort through my notes and so organize all that I learned, especially from those on dust storm phenomena which I found very insightful, but perhaps your plan will spare me this extra task. I will send your message to Maria Lane and hope she can oblige you, and will do so likewise to Randall Rosenfeld and the other participants. Randall had at one time indicated his wish to explore the possibility of issuing a conference proceedings but do not know at this stage what, if any, further thought he has given to the idea. If he is still interested in doing so, he will wish to know of your own plans so as to avoid duplication of effort.

For my presentation and also the panel discussion it will unfortunately be more difficult to be of assistance. I did not wish to do a PowerPoint in the usual sense (by PowerPoint I mean a series of pictures with texts, which I find in general is too taxing of the human attention span and ability to retain information; moreover, since the presentation was about art, I wanted rather to use a few images regarding which I planned to present somewhat spontaneous comments). As a result, I do not actually have a lecture or manuscript; rather only a series of slides. There are some scraps of notes around here but none are at all organized. Likewise the panel discussion was spontaneous and based on impressions, unrehearsed, of the participants of that morning. So it will again be difficult to reconstruct what was said. I am hoping at some point in time, not too far removed, to write up some of the ideas about the first presentation as a prospectus for a book. If this seems appropriate to your needs, I would be glad at that time if you were to publish it. For now, merely say that my presentation at Paris Observatory was an overture or curtain-raiser to the other presentations given. I admit it was my hope not to attract undue attention to my comments but to shine the spotlight on the contribution of others.

Regarding Jean Cavé, I believe he must live in Paris somewhere, though on his business card a specific address is not mentioned. With my best wishes,

**Bill SHEEHAN** (ウイリアム・シーハン MN 美)

●.....**Subject: Some Jupiter Images** (August 31st, 2009.)  
**Received: Sat 26 Sept 2009 5:58 JST**

Hi all, Here are some images from Aug 31st. Near perfect seeing this night for a while. After processing this set on my main PC/screen ive actually deleted the first set i posted (which i processed on my laptop) as it really wasnt right. I will re-do that one again properly at a later date! For the time being, here is a view showing the disturbed NEB and the GRS just coming into view.

[http://www.damianpeach.com/barbados09/2009\\_08\\_31\\_0256ut\\_dp.jpg](http://www.damianpeach.com/barbados09/2009_08_31_0256ut_dp.jpg)

○.....**Subject: Jupiter with impact scar remains - Sept 10th.**  
**Received: Fri 02 Oct 2009 06:57:09 JST**

Hi all, Here is a set from Sept 10th again under excellent seeing showing the hemisphere following the GRS with the impact scar remains which look very fragmented. This set replaces the first set posted from Sep 10th.

[http://www.damianpeach.com/barbados09/2009\\_09\\_10\\_0340ut.jpg](http://www.damianpeach.com/barbados09/2009_09_10_0340ut.jpg)

○.....**Subject: Mars images (August 19th, 2009.)**  
**Received: Mon 12 Oct 2009 02:41:28 JST**

Hi all, Here are some Mars images from Aug 19th. Nothing unusual, and Mars looks quite normal.

[http://www.damianpeach.com/mars09/m2009\\_08\\_19rgb.jpg](http://www.damianpeach.com/mars09/m2009_08_19rgb.jpg)

○.....**Subject: Jupiter images** (Aug 17th, 18, 19, 20, 21, 23, 24th.)  
**Received: Mon 12 Oct 2009 02:44:16 JST**

Hi all, Here are some belated images from August all taken from home with Jupiter between 21-23° altitude. Seeing was quite good on some nights (especially the 18th and 19-20th.) Colour, IR and CH4 images were obtained each night. Here are the links:

[http://www.damianpeach.com/jup09/2009\\_08\\_17-18ch4.jpg](http://www.damianpeach.com/jup09/2009_08_17-18ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_17-18rgb.jpg](http://www.damianpeach.com/jup09/2009_08_17-18rgb.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_18ch4.jpg](http://www.damianpeach.com/jup09/2009_08_18ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_18rgb.jpg](http://www.damianpeach.com/jup09/2009_08_18rgb.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_19-20ch4.jpg](http://www.damianpeach.com/jup09/2009_08_19-20ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_19-20ir.jpg](http://www.damianpeach.com/jup09/2009_08_19-20ir.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_19-20rgb.jpg](http://www.damianpeach.com/jup09/2009_08_19-20rgb.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_20ch4.jpg](http://www.damianpeach.com/jup09/2009_08_20ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_20rgb.jpg](http://www.damianpeach.com/jup09/2009_08_20rgb.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_21ch4.jpg](http://www.damianpeach.com/jup09/2009_08_21ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_21ir.jpg](http://www.damianpeach.com/jup09/2009_08_21ir.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_21rgb.jpg](http://www.damianpeach.com/jup09/2009_08_21rgb.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_23ch4.jpg](http://www.damianpeach.com/jup09/2009_08_23ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_23rgb01.jpg](http://www.damianpeach.com/jup09/2009_08_23rgb01.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_23rgb02.jpg](http://www.damianpeach.com/jup09/2009_08_23rgb02.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_24ch4.jpg](http://www.damianpeach.com/jup09/2009_08_24ch4.jpg)

[http://www.damianpeach.com/jup09/2009\\_08\\_24rgb.jpg](http://www.damianpeach.com/jup09/2009_08_24rgb.jpg)

Best Wishes

**Damian PEACH** (デミアン・ピーチ BKh 英)

●.....**Subject: 5 more Barbados Jupiter images** (Sept 4th)  
**Received: Sat 26 Sept 2009 19:24 JST**

Hi all, Here are 5 more Jupiter images from Barbados. Details on the web page here:

<http://www.astro-sharp.com/jupiter2009barbados2.asp>

○.....**Subject: Jupiter from Barbados CM2: 19 to 165**  
**Received: Wed 30 Sept 2009 17:34:44 JST**

Hi all, Here are more 13 Jupiter images taken from Barbados. This time all from the night of Sept 4th/5th showing CM2 from 19 to 165 degrees. Interesting to see the improvement in the quality with rising altitude.

<http://www.astro-sharp.com/jupiter2009barbados3.asp>

Also, here is a link to my front page about the trip with a picture of Damian and myself at work, and all the links to previously released images.

<http://www.astro-sharp.com/jupiter2009barbados.asp>

I have started annotating the images themselves with date, time and longitudes and I will work my way back to update all of them with this data. Best Regards

**Ian SHARP** (イアン・シャープ WS 英)

●.....**Subject: Jupiter 22/09 - GRS intensifying**  
**Received: Sat 26 Sept 2009 19:58 JST**

Hi all, No really good seeing this week but some interesting remarks.

<http://www.astrosurf.com/pellier/J090922a-CPE> (RGB, B)

<http://www.astrosurf.com/pellier/J090922b-CPE>

(IR, violet, UV)

The GRS looks to have quite intensified in color during

the summer (T. Akutsu already commented about this). The comparison in the first set shows it has passed from pale pink to orange. Intensification of its color is associated to the SEB fading so it could be again an argument for this (the spot is also maybe accelerating ?) Finally, the NEB expansion spots are amazingly dark, especially in violet/UV! I have tried to see such spots during the preceding expansion events on 2004 (found) 2000 and 1996 (not sure) but they've never been that numerous and that conspicuous. Best wishes,

○ . . . . . **Subject: Jupiter 23/09 - fading of SEBs**  
**Received: Sun 27 Sept 2009 11:37 JST**

Hi all, Still poor seeing.

<http://www.astrosurf.com/pellier/J090923-CPE>

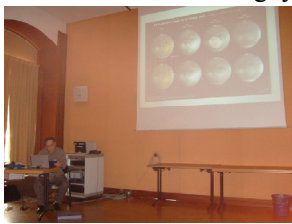
I have again included some small WinJupos strips maps to compare with some images taken two months ago.

The south component of the SEB (SEBs) looks quite more faded now than it was then. In July, it was still dark brown in RGB, and contrasted in near-IR. Now the SEBs is light orange in RGB (like the superficial NTB), and almost invisible in infrared. In 2007, the fading of the SEB in near infrared was the last step before the disappearance of the color of the belt in visible light... All of this enlightens the interest to extend CCD imaging beyond visible light! Best regards,

○ . . . . . **Subject: Some photos from IWC MO**  
**Received: Tue 29 Sept 2009 03:45:58 JST**

Dear Masatsugu, How are you since Meudon ? I hope that you enjoyed your stay in Paris, I remember that you were to stay during the following week.

I have been very pleased to finally meet you, although I think we were both frustrated not to be able to communicate correctly :-). I'm quite comfortable now with written english but to speak it is another story. I have even forgotten to add a few things during my talk just because of that! I'm now sending you a few photos that I will of



course keep on my side. Please send my souvenirs to your wife. With best wishes and let's have a nice 2010 Mars !

○ . . . . . **Subject: Jupiter images 25/09/09**  
**Received: Tue 29 Sept 2009 04:26:12 JST**

All, A new set still under poor seeing.

<http://www.astrosurf.com/pellier/J090925-CPE>

At these longitudes (post-GRS) the SEB looks exactly the same as it was in August. So the subsidence of SEB activity is maybe just progressing in longitude... Regards

○ . . . . . **Subject: Re: Some photos from IWC MO**  
**Received: Tue 29 Sept 2009 07:02:43 JST**

Dear Masatsugu, I hope that you will not stay too long in hospital ! We need your views on Mars observations... My intervention during the IWC MO meeting is the fruit of quite a work (it will be matured again and published in *l'Astronomie* quite soon I hope). But before finishing this, all summer long I have been re-viewing again many Mars articles and analysis and I must tell you that all the CMO notes you've published helped a lot. I consider your work to be really innovative and stimulating (the

"propositions" you made during your own intervention are solid results that we must support). I have tried on my work to conceal the theory of cross-equatorial storms and your result about the steadiness of dust clouds during the day-time, I think it must be integrated. I have made a set of Mars images this week-end but I won't be able to send it before the evening of the 30th, none the less it doesn't show anything special.

Again, very happy to have met you !

○ . . . . . **Subject: Jupiter images 26/09/09**  
**Received: Sat 03 Oct 2009 21:44:40 JST**

Hi all, The last set for the moment, still under poor seeing.

<http://www.astrosurf.com/pellier/J090926-CPE>

The SEBs at these longitudes is also fading in long wavelengths, becoming lighter and redder (note the reverse pattern in violet/UV, where it's darker than SEBn). So the fading of the belt is retrograding farther and farther away from the GRS, and should reach the SEB p. the GRS maybe this month... Best wishes

○ . . . . . **Subject: Mars images, 27 september**  
**Received: Sat 03 Oct 2009 22:38:51 JST**

Hi all, A few Mars images from the last week-end.

<http://www.astrosurf.com/pellier/M090927-CPE>

Not much to say. Although not visible here, the dust activity imaged by Joel around the Utopia storm-zone is now subsiding, if we believe the latest THEMIS data.

Best wishes,

○ . . . . . **Subject: Bill Flanagan's e-mail**  
**Received: Sat 03 Oct 2009 22:40:52 JST**

Dear Masatsugu, I hope that you'll be back soon from hospital, if ever you're still there... !

Just a question - do you have Bill's email ? I'd like to send him images but I can't find his address...

Best wishes,

○ . . . . . **Subject: Re: Talk manuscript in IWC MO**  
**Received: Thu 15 Oct 2009 02:58:07 JST**

Dear Masatsugu, I'm happy to have good news from you! I will take some time to send you something - maybe this week-end. Best wishes

○ . . . . . **Subject: Jupiter, 14 oct. SEB subsides p. the GRS**  
**Received: Sat 17 Oct 2009 22:10:48 JST**

Hi Jupiter observers - The seeing was very poor but the large-scale evolutions are visible...

<http://astrosurf.com/pellier/J091014-CPE>

It seems that the last sector of the SEB that was still a bit active (preceding the GRS) is finally subsiding, so the whole belt is now quiet. There was a dark, very narrow SEBs, probably marking the jetstream, which is now fainter in near-IR. In RGB, this part of the belt is turning orange/red like the other longitudes. See other's images to have a better view... It looks to me also that the GRS has again intensified, being really orange now, and the darkest feature of the planet in near UV. Good observations

○ . . . . . **Subject: Re: Talk manuscript in IWC MO**  
**Received: Mon 19 Oct 2009 05:32:46 JST**

Dear Masatsugu, I have almost terminated the work, but still not done. I'm hoping to send it soon! Have a nice week,

○ . . . . . **Subject: IWC MO intervention**



Received: Thu 22 Oct 2009 06:20:07 JST

Dear Masatsugu, Please find attached a draft of my intervention - it's a completely written version (although still synthetic) of my talk, with corresponding illustrations. I have not been able, of course, to include the animation from the TES data. Perhaps it could be possible to upload them separately? By any way tell me if you wish any change in the document. Best wishes,

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

Subject: Mo26Sept Mo23Sept 09  
Received: Mon 28 Sept 2009 0:26 JST

メール有難うございます。パリより無事に帰られ良かったですね。腰が痛かった旨、少し残念でした。後で色々とお聞かせ下さい。

23日はSeeingが良く次の日も期待しておりましたが、24日は起きたら日が昇っていて非常に悔しい思いをしました。26日はSeeingは悪くなり、雲に覆われておりましたがようやく時間どおりに撮

ることができました。画像は荒れていますが何とか撮れました。

http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/090923/Mo23Sept09.jpg  
http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/090926/Mo26Sept09.jpg

Subject: Mo 02 03 Oct 09  
Received: Sun 04 Oct 2009 21:41 JST

2、3日の画像をお送りします。Seeingはかなり悪く、ボヤボヤです。特に時間になると一層酷くなる様な気がします。

http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091002/Mo02Oct09.jpg  
http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091003/Mo03Oct09.jpg

Subject: Mo 10 Oct 09  
Received: Sun 11 Oct 2009 19:58:16 JST

久しぶりに晴れました。Seeingは良くないものの結構長い間撮ることが出来ました。明日も晴れそうですが、もう少しSeeingが良くなって欲しいものです。

http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091010/Mo10Oct09.jpg  
Subject: Mo 11 Oct 09

Received: Mon 12 Oct 2009 20:59:46 JST

無事退院されたとのメールを頂き、大変嬉しく思います。パソコンで眼鏡が要らなくなったのは

# TEN YEARS AGO (170)

---CMO 224 (25 October 1999) pp2611~2622 ---

巻頭の CMO Mars Report は十七回目となり、16Sept(206°Ls)から15Oct(225°Ls)までの報告が纏められている。この期間のはじめで視直径 $\phi$ は7.4"と小さく、夕方の低空の火星は観測時間も短くなり観測も最終局面となった。報告者は、国内の四名のみとなってしまった。視直径も小さくなり概況しかわからないが、南半球を向き始めた傾きの変化(08°N→01°S)により、夏に向かう南極冠が捉えられている。日本から見えていた暗色模様はS SabaeusからSyrtis Mjを中央で見て、Phlegraあたりまでで異常はなかった。Richard McKIM (RMk)氏からは今期の観測を纏めた追加報告があった。13Apr1999(123°Ls)から29July1999(179°Ls)までの50点ほどの観測の中から主なものを選んだもので、南(Mn)氏による解説がある。

LtEには、Myron E WASIUTA (USA), Richard McKIM (UK), Jim BELL (USA), Brian COLVILLE(Canada), Sam WHITBY (USA), Mike MATTEI (USA), David GRAHAM (UK)の国外の各氏より、国内からは、常間地ひとみ(神奈川)、岩崎徹(福岡)、伊舎堂弘(沖縄)の各氏のものが紹介されている。COLVILLE氏とGRAHAM氏からはWebPageの紹介があり、常間地さんと伊舎堂氏は、この期間にインターネットに接続してe-mailが開通した。

廿年前のTYA(50)は、CMO#078(25 Oct 1989)からで、この期間の10Oct1989に火星は「合」となり、朝方の空に移った。この号には1988CMO観測ノート(7)「8月末のM Acidalium上の白雲について」が掲載されている。

「LtEスペシャル」は六回目の最終回となり、1989年前半に寄せられた来信のダイジェストが一気に掲載された。伊舎堂弘、岩崎徹、長谷川久也、宮崎勲、阿久津富夫、比嘉保信、白尾元理、頼武揚の各氏が挙げられている。コラム記事は、「夜毎餘言 XIII」で「腹巻のすすめ」と題して、Mn氏の腹巻きの効用に関してと臺北生活のエピソードが紹介されている。

http://www.hida.kyoto-u.ac.jp/~cmo/cmo/224/tya050.html

村上昌己 (Mk)

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COMMUNICATIONS IN 東亞天文學會「火星通信」since 1986

# MARS

No. 224  
25 October 1999

OBSERVATIONS Published by the OAA Mars Section

CMO Mars Report #17 (1998/99) OAA Mars Section

☆.....福井では九月27日に日出・日入とも3:46STであった。以後更に日没は早くなり、今や夕方には火星がファイナダーで捉えられる。但し、高度は低く、観測時間は短い。九月19日頃にはアンタレスの上(北)にあった。十月14日~18日には視赤緯が南緯25°12'ドンドン底を彷徨した。歳星と射手座の間(蛇通座)である。以後ゆっくり上昇するが、十二月5日でも20°Sである。120cには中央緯度の赤道を横切った。以後南半球がこちらを向き、南極冠が好く見え

☆.....『火星通信』へ報告されたこの一ヶ月間の観測者・観測数は次の通りである:  
We are thankful to the following observers who contributed this period to the CMO:  
ISHADOH, Hiroshi 伊舎堂 弘 (Id) 那覇 Naha, Okinawa, Japan  
13 Drawings (27, 28, 29 September; 2, 4, 10, 12, 13, 14 October 1999)  
400x31cm speculum  
MINAMI, Masatsugu 南 政次 (Mn) 福井 Fukui, Japan  
18 Drawings (19, 23, 27, 28, 29 September; 10 October 1999) 400x20cm refractor  
MURAKAMI, Masami 村上 昌己 (Mk) 藤澤 Fujisawa, Kanagawa, Japan  
8 Drawings (19, 23 September; 10, 11, 12 October 1999) 425x20cm speculum

2611

良かった、観測も楽になると思います。

今朝は相変わらずSeeingは悪かったのですが、昨日よりは少しましでした。シュルティス・マイヨルが良く見えています。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091011/Mo11Oct09.jpg>

○.....**Subject: Mo 14 Oct 09**

**Received: Fri 16 Oct 2009 00:31:01 JST**

14日は比較的Seeingも良く、まずまずの像が撮れました。15日も晴れそうです。13日も撮りましたが今日のものより画質が落ちます。火星の色をもう少しオレンジに撮りたいと思っています。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091014/Mo14Oct09.jpg>

○.....**Subject: Mo 15 Oct 09**

**Received: Sat 17 Oct 2009 00:26:38 JST**

今朝もSeeingは比較的良好でした。やっと本当の色に近いものが出来たような気がします。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091015/Mo15Oct09.jpg>

○.....**Subject: Mo 17 Oct 09**

**Received: Sun 18 Oct 2009 15:38:57 JST**

今朝は19時すぎから撮っていましたがSeeingは安定せず、結局これしか良いものは撮れませんでした。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091017/Mo17Oct09.jpg>

**森田 行雄** (Yukio MORITA 廿日市Hiroshima)

●.....**Subject: solar images 25th Sept**

**Received: Sat 26 Sept 2009 22:25 JST**

Hi Guys its all happening up there now. Heres a couple of AR 1026 , A montage in mono ( A Pit of Vipers) from my Daystar/Solar Spectrum .65A hybrid, in a 5 inch AP f8 Starfire with 4x powermate and one from my Solarmax scope 60DS with 3x Barlow. Best wishes

○.....**Subject: big prom**

**Received: Sun 27 Sept 2009 6:51 JST**

Hi Guys, As I circumnavigated the solar Globe today, I bumped into this!! I thought goodness gracious me!. I'd left it a bit late after playing with the AR's on and off during the day. So here it is, the tallest prom I have ever seen in my Ha life. It was low down faint and noisy when I imaged it. best wishes

○.....**Subject: Solar images 24th September**

**Received: Tue 29 Sept 2009 07:13:10 JST**

Hi Guys. The two active regions AR 1026 AND 1027 figured well on this date. Of the two white light images 1027 is a pretty half hearted pair of spots. The 0941 images show the "granulation" cells as the spots are out near the solar centre, whereas AR1026 is close to the limb where the detail is foreshortened, However I only registacked on the spot local, thereby keeping the faculae mottling detail a little easier to see. This mottling is an indicator of what can be seen in H $\alpha$  field patterns, you can read across to the H $\alpha$  image timed 0803, which shows a fine filament amid a nest of fibrils.

The spot pair in the H $\alpha$  image of AR1027 is quite spectacular in H $\alpha$ , with fairly high magnification displaying classic magnetic field lines. Best wishes

○.....**Subject: AR1027 25th Sept**

**Received: Thu 01 Oct 2009 00:02:47 JST**

Hi Guys You have had AR 1026 from the 25th so here is the other awesome twin sunspot Active Region AR1027 that was on the disc that day. Best wishes

○.....**Subject: Jupiter 25th Sept GRS**

**Received: Sat 03 Oct 2009 05:38:48 JST**

Hi Guys Here's a rgb set from the 25th, and also a set from my 5 inch Astro Physics refractor. Inspired by Jims excellent refractor images, I thought I would see how it performed on Jup with the GRS on view. Best wishes

○.....**Subject: Solar activity 1st Oct2009**

**Received: Mon 05 Oct 2009 01:40:59 JST**

Hi Guys here are a couple of images of what was going on up there on the 1st. AR1027 and AR1026 were approaching the limb. Both Images Coronado Solarmax scope 60mm double stacked for .5A. with 3x TV Barlow and Lumenera Lu07 ccd.

○.....**Subject: solar images 2th 29th Sept**

**Received: Tue 06 Oct 2009 06:58:25 JST**

Hi guys, These two images show the movement of the two active regions over two days shown. Best Wishes

○.....**Subject: Re: A small stop in our wonderful hobby ....**

**Received: Tue 06 Oct 2009 20:11:18 JST**

Hi Richard (BOSMAN) I am sorry to hear that I am afraid it has happened to many of us more than once during our working lives, as even major industries change hands move sites and consolidate. I wish you and you family all the very best success in your new venture and look fwd to the Bosman Brand of Images as soon as possible. good luck

○.....**Subject: Higher res Ar1026**

**Received: Wed 07 Oct 2009 08:23:24 JST**

Hi Guys here is a closer image of AR1026 showing two very bright "burnt out" flaring areas. 5 inch F8,3 AP 130 Starfire airspaced triplet APO, 4X Powermate and Daystar/SS hybrid @.65A. Seeing was very poor, necessitating covering the image in Registax with mulipoint's 64pixel boxes. Best wishes

○.....**Subject: Solar proms 10 OctL**

**Received: Mon 12 Oct 2009 00:53:41 JST**

I missed that one Pete, nice presentation. Hi Guys I guess I was out on a limb as it were, and here's what I saw. The wide shot at 09:37ut is typical of the view through my 60mm double stacked Coronado solarmax scope with three x Barlow and 25mm eyepiece. The actual view is full disc but I generally put the prom in the centre of the field. The eyepiece is simply replaced by the camera for the image capture. The chip of course at about 6mmx 4mm is much smaller than the eyepiece 25mm field stop, hence the smaller field of view of the image. The skin of the chromosphere edge is never visible in my .5A filter. I guess the higher altitude cloud picked up by the narrowband filter, obscures the thin "edge of chromosphere line" on this low power 47inch focal length view. The close up shot of the same prominence imaged at 1015ut, was taken with My 5 inch f8.3 AP Starfire airspaced triplet and Daystar/SS hybrid .65A filter. The chromosphere edge is burnt out in this shot, exposed for maximum detail in the prominence. The 10:20ut shot was exposed for the chromosphere edge and displays its true appearance at .65A and 164inches focal length using the set-up as above. Best wishes

○.....**Subject: Solar limb 8th Oct**

**Received: Tue 13 Oct 2009 07:23:51 JST**

Hi Guys the seeing made for some interesting detail

around the limb on the 8th. This single shot image with my 60mm Coronado DS, really tells it how it is.

○.....**Subject: New AR 12th Oct**  
**Received: Tue 13 Oct 2009 08:08:58 JST**

Hi Guys Here are a few images of a new active region, that has just come onto the disc. The 0948ut green filtered white light image, shows the faculae in the area of the AR as seen on the HA images. The two H $\alpha$  images are taken at 48 inches and 161 inches focal lengths. The white light was also 161 inches but with a Herschel wedge. Best wishes

○.....**Subject: Solar images 13th Oct**  
**Received: Fri 16 Oct 2009 00:59:27 JST**

Hi Guys, The "new" AR is show moving away from the limb and the RH side is now in the zone where granulation is imagable in white light There are two H $\alpha$  images take 27 minutes apart. All images 60mm solarmax scope DS with 3x Barlow and Lumenera 075Mccd. Best wishes

**Dave TYLER** (テウァイト・タイラー Bkh 英)

●.....**Subject: Re: solar images 25th Sept**  
**Received: Sun 27 Sept 2009 0:39 JST**

Nice images Dave and Rich. Yes, that prom was quite impressive today. Best regards,

○.....**Subject: Solar activity, September 25th**  
**Received: Tue 29 Sept 2009 17:35:14 JST**

Hi all, Here are a few shots from the 25th September including one of the 'filaprom' on the Sun's southern limb. This shows the transition of a filament to a prominence. These are single exposure shots pitched to show both the on-disk and off-disk portion of the feature.

○.....**Subject: October 1st, solar images**  
**Received: Mon 05 Oct 2009 06:05:25 JST**

Hi all, Here are a few shots taken on October 1st. There was some interesting stuff going on with AR11027 on this date as these single exposure images show. The eruptive jet on was very reminiscent of the vicinity of AR11026 as it appeared around the limb on the 21st September...

[http://www.digitalsky.org.uk/solar/2009/2009-09-21\\_11-53-16\\_SF70ss.jpg](http://www.digitalsky.org.uk/solar/2009/2009-09-21_11-53-16_SF70ss.jpg)

○.....**Subject: New AR, October 10th**  
**Received: Sun 11 Oct 2009 08:53:26 JST**

Hi all, A new AR appeared on the Sun today...

○.....**Subject: Active region, 15th October**  
**Received: Fri 16 Oct 2009 08:56:47 JST**

Hi all, I'm a bit behind with my images at the moment so I'll simply jump up to date. Here's a shot of the only real region of interest on the Sun's surface at the moment. A nice filament had formed at the time this shot was taken. Best regards,

**Pete LAWRENCE** (ピート・ローレンス Selsey 英)

●.....**Subject: Jupiter 2009 September 26**  
**Received: Mon 28 Sept 2009 5:07 JST**

Yesterday conditions seemed slightly improved over the very poor seeing we have been getting on Jupiter of late, so I took some images; however, they have turned out fairly disappointing, so this might be the last Jupiter set from here this apparition. Götterdämmerung... but it will be much higher next year. The STB(S) has certainly faded a lot since the beginning of the apparition.

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-09-26-DLA.jpg>

It was nice to meet Christophe again, Nicolas, Minami-san and some of the other planetary observers at the IWC MO conference in Paris last week, and to see Jupiter through the historic 38cm Arago refractor.



(註) From right to left, David ARDITTI, Mn, and Christophe PELLIER at Meudon on 19 Sept.

○.....**Subject: Jupiter 2009 August 15-16**  
**Received: Thu 08 Oct 2009 05:09:10 JST**

As the season of rains has now arrived here, there may be time to process some Jupiter images from August, when we seemed to have clear sky every night.

Seeing in this series got better later. These show the impact site after it had become rather spread out, about a month after impact. Same images:

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-15RGB-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-15I-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-15R-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-15G-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-15B-DLA.jpg>

**David ARDITTI** (テウァイト・アードイチ Edgware ME 英)

●.....**Subject: Jupiter 8/9, September 2009**  
**Received: Tue 29 Sept 2009 09:38:37 JST**

Hi all, here my Jupiter from 8/9, September. The SEBs started loosing contrast as you can see in the 665 nm image. The brown mark in the SEB has moved closer to the GRS. The impact cloud is more stretched and I could not measure, were it ends exact. The 2 dark blue/green features between EZ and NEB in my image from 29, August (left and right of CM) dissapeared or have dimmed strong, in the image from 8/9, September I could not identify them any more. Cheers

○.....**Subject: Jupiter 25/26, September 2009**  
**Received: Tue 29 Sept 2009 09:38:48 JST**

Hi all, here my Jupiter from the night 25/26, September. Now the SEBs is light orange in RGB (like the superficial NTB), and almost invisible in infrared, as Christopher told us. Cheers

○.....**Subject: Jupiter 29/30, August 2009**  
**Received: Tue 29 Sept 2009 09:38:23 JST**

Hi all, here my Jupiter from the night 29/30, August 2009. There the SEBs is dark orange/brown, the 665 nm image shows a lot of contrast. In later images (coming soon) the contrast dimmed down...

This Image also shows the impact cloud at the following edge of Jupiter, wich has stretched to a grey band. The contrast of this band is also fading... Cheers

**Silvia KOWOLLIK**

(シルヴァ・イア・コワリク Ludwigsburg 德)



●.....**Subject: Re: Thank you**  
**Received: Tue 29 Sept 2009 16:47:35 JST**

Dear Masatsugu, I was pleased to see that most participants will keep a good souvenir of this meeting. I am glad also to learn (both via your mail and your report in the latest CMO) that you came back to Japan safely and hopefully not too tired. I know that going up to Meudon can be a bit exhausting and apologize that I "forced" you to give your two talks on the Saturday - but since several participants left on that day and professor Dollfus talk was cancelled I think this gave them a better opportunity to listen to you.

Audouin Dollfus called me on the monday (the 21st) and was apparently feeling better, but I haven't seen him back to Meudon yet: he will give to me his presentation and we will put it on a web page so that everybody can see it. I gave him regards from all the participants and he deeply regrets he could not attend the meeting.

Sincerely,

**Nicolas BIVER** (ニコラ・ビヴァール Meudon 法)

●.....**Subject: Jupiter, Io, Europa and Ganymede 2009.09.25**  
**Received: Tue 29 Sept 2009 20:33:18 JST**

Dears, Here are the results from an average to good seeing Jupiter imaging session:

<http://astrosurf.com/delcroix/images/planches/j20090925-MDe.jpg>

The 3 dark brown barges preceding GRS are obvious, the closest to the GRS is even visible darker than its surrounding in CH4 absorption band. A FFR is visible at CM, between the for ovals, and the dark equatorial feston is a dark zone in CH4 absorption band. Other "nice to see" images, in IR > 742nm: Jupiter, Io, Europa and Ganymede (small version):

[http://astrosurf.com/delcroix/images/jupiter\\_20090925\\_satellites\\_small\\_3000\\_5000\\_ondx2\\_1\\_3\\_1-5\\_8\\_13\\_2\\_lev.jpg](http://astrosurf.com/delcroix/images/jupiter_20090925_satellites_small_3000_5000_ondx2_1_3_1-5_8_13_2_lev.jpg)

Jupiter, Io, Europa and Ganymede (1600x900 version w/ original resolution):

[http://astrosurf.com/delcroix/images/jupiter\\_20090925\\_satellites\\_large\\_3000\\_5000\\_ondx2\\_1\\_3\\_1-5\\_8\\_13\\_2\\_lev.jpg](http://astrosurf.com/delcroix/images/jupiter_20090925_satellites_large_3000_5000_ondx2_1_3_1-5_8_13_2_lev.jpg)

A zoom x2 on Io, Europa and Ganymede:

[http://astrosurf.com/delcroix/images/io\\_europa\\_ganymede\\_20090925\\_800\\_1000norm\\_ondx2\\_1\\_2-5\\_1-5\\_8\\_12\\_2\\_x2\\_lev.jpg](http://astrosurf.com/delcroix/images/io_europa_ganymede_20090925_800_1000norm_ondx2_1_2-5_1-5_8_12_2_x2_lev.jpg)

I think we can guess 2 dark zones in Io (top left, and bottom), and Galileo Regio with the bright zone nearby are obvious on Ganymede:

Overall it's a good session for me this year, at only 30° of elevation. Clear skies,

**Marc DELCROIX** (マルク・テールクロア Tournefeuille 法)

●.....**Subject: RE: Good to see you**  
**Received: Thu 01 Oct 2009 06:49:53 JST**

Dear Masatsugu, Thank you so much for your message.

It was an honor and pleasure to meet both you and your wife in Paris during the IWC MO. I'm glad to hear that you made it home safely to Japan. I enjoyed the conference immensely and I learned a great deal about Mars and the history of Mars observations. The people at the Paris Observatory did a wonderful job of organizing and holding the event. I returned home inspired to do more observing and imaging of Mars! Now if only the clouds would cooperate.

Thanks also for the picture you sent! I was just think-

ing about asking you for a copy of the one we took with your camera because the one we took with my camera did not come out so good.

I'm also glad to hear that the "Makimono" of Mars will be put to good use! I am sorry to hear that you will return to the hospital. I hope that your stay there will be brief and that you will be back to good health in a short time. You will be in our thoughts.

Please say hi to your wife and thank her for showing Kris and I the correct entrance to use at the Meudon Observatory on Saturday morning. We were fumbling around outside looking for the correct door when she conveniently opened it for us and showed us the way in!

Take care and get well soon! Sincerely yours,

**Bill FLANAGAN** (ビル・フラナガン Houston TX 美)

(註) Bill FLANAGAN (left) and Mn (right).



●.....**Subject: Image: 10-02-09 11:35 UT**  
**Received: Fri 02 Oct 2009 10:20 JST**

Greetings list, Some rather good seeing this morning. All info on image. A good view of the N. Polar region can be had in Red. For the diameter, some nice albedo features can be seen.

<http://marswatch.amaonline.com/10-02-09@1135.jpg>

○.....**Subject: Image: October 2nd, 2009 10:50 UT**  
**Received: Sat 03 Oct 2009 7:47 JST**

Greetings list, This is the best sequence from this morning as far as quality goes. There is a dark streak below the NPH. Not sure if its an artifact or what.

<http://marswatch.amaonline.com/10-02-09@1050.jpg>

○.....**Subject: Image: 10-02-09 11:10 UT**  
**Received: Sun 04 October 2009 7:19 JST**

Greetings list, Found one more decent sequence from 10/2 The recently released THEMIS data

[http://themis.asu.edu/dustmaps/detail/thmdust\\_34487-34562.html](http://themis.asu.edu/dustmaps/detail/thmdust_34487-34562.html)

shows some dust stirring up near Sytris Major. I believe I captured some of that. If you look at the color channels, the region is bright in Red, which you would get with or without dust in that region, but the region is showing up somewhat brighter/lighter in Green and Blue. Here is the image. Andrea?

<http://marswatch.amaonline.com/10-02-09@1110.jpg>

Regards,

**Joel WARREN** (ジョエル・ウォーレン Amarillo TX 美)

●.....*Subject: Mars and Paris*  
*Received: Sun 04 Oct 2009 02:54:40 JST*

Dear Masatsugu, I enjoyed meeting you in Paris and attach a nice photograph, which your wife kindly took with my camera.



It was very interesting to hear all the presentations and to have the chance, once again, to visit the observatories of Paris, Meudon and Juvisy. Your presentations gave much new information about the history of the OAA Mars Section, and I made some careful notes of them.

I will not make this a long letter, but I also wanted to send you a scan of this airmail letter from Tsuneo Saheki to the then BAA Mars Section Director P. M. Ryves. Saheki sent the BAA 83 sheets of drawings, Numbers 1-83 in his own numbering, from as early as 1951 August right up to 1952 April 5. These are superb hand-drawn copies in pencil, and must have taken many hours of work. There is no later letter on file but we know that he actually sent more of his work, for Ryves wrote in the BAA Journal that 122 drawings had been contributed to the Section. In 1954 we know he sent more drawings but the data for that year were partly missing in our records when I received them in 1980. My question is therefore whether you would be able to ask Mr Saheki's family if they were able to take digital photographs of his drawings after 1952 April 5, and for all of the 1953-54 opposition series, for us? It would be excellent to complete these records, that is, if the family still have his notebooks and are able and willing to copy them.

I hope this request is not too troublesome: if it proves to be, then do not trouble with it.

Once again, it was very good indeed to have met Mrs Minami and yourself, and I hope your remaining time in Paris was pleasant. With sincere regards

○.....*Subject: RE: Talk manuscripts at IWC MO*  
*Received: Tue 13 Oct 2009 17:18:58 JST*

Dear Bill et al. I have a similar problem. The first talk I gave was scripted. The second one much less so. However, I am going to send Masatsugu some details for the website and will reply to him properly in due course. At least I will be able to provide the text of the first talk.

With warm regards

○.....*Subject: Re: Mars and Paris*  
*Received: Sat 17 Oct 2009 04:32:49 JST*

Dear Masatsugu, Many thanks for your reply; I am glad your visit to hospital was a success, and that you had some more pleasant days in Paris after some of us had left. On my last afternoon I had a long walk along the Seine, visiting many of the booksellers to see what they had of astronomical interest, but on this occasion I didn't buy anything.

I am hoping that Saheki's family will agree to my request, although it is doubtless a rather troublesome one. Thank you for passing it on.

Like some others', my talks were not entirely scripted. The first was, mostly, and I can send it once I have 'tidied it up' a little. I will also send a selection of the illustrations. The second was more 'off the cuff', as we say, but I will see what I can do.

I have many other photos of the meeting if you would like to have others to replace any lost.

We are now abroad for a week so that I will attend to the Paris matter when we return. With regards

○.....*Subject: Re: Mars and Paris*  
*Received: Sat 17 Oct 2009 17:56:27 JST*

Dear Masatsugu, Yes, I will certainly send you the photographs I have from the evening of Sep 17. Expect them by the end of the month. Today I am packing my suitcase again! With regards

**Richard McKIM** (リチャード・マッキム Peterborough 英)

●.....*Subject: Mars Ak03Sep09*  
*Received: Sun 04 Oct 2009 11:33:17 JST*

南様、ご無沙汰しています。先月のパリでのIWC MOお疲れ様でした。

セブでは天気が悪く、星がめったに見えません。台風もあり、マニラでは大洪水なり、全く大変でした。今朝やっと晴れ、火星画像を撮りましたので添付します。北極地方の白雲が顕著に見えています。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091003/Ak03Oct09.jpg>

○.....*Subject: Mars Ak05Oct09 Ak10ct09*  
*Received: Sat 10 Oct 2009 15:19:39 JST*

セブでも台風の通過の影響で、晴れても上空に強い風があり、火星が踊っています。今年の火星は天頂から北を通過し、見え上げる辛い体制を強いられます。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmoms/2009/091005/Ak05Oct09.jpg>

○.....*Subject: Re: 無事退院*  
*Received: Mon 12 Oct 2009 23:06:39 JST*

南様、退院できて、良かったですね。先ずは一安心です。あまり無理をしないで下さい。

セブの天気は、良くなり風が強く、C14が震えています。地上50m以上の屋上では無理も無いことですが、願わくば観測室が欲しいところです。しかしこれは無理なことなので、風が当たらない場所の水道小屋の壁にへばりつきながら、見えています。火星は少しずつ大きくなり、透明度がよい時は400倍では明るく減光したいくらいです。北極地方の白雲が輝いています。其れに対しヘラスは鈍い肌色に見えていたのが先週の様子でした。

さて私のセブ滞在滞在は気が付けば実質五年(2003年から)が過ぎ、時の早さを感じます。高温多湿の気候は寒さの心配がない、観測は日本より

も体力消耗が少ないのは利点ですが、それ以外は大変苦勞させられます。年中温度が同じということは脳の刺激がすくなくなり、思考する力は自然と落ちてきます。これは意識してもその傾向になります。南洋人の様子を見ると、納得できますが、此方にいる限り駄目でしょうね。私の会社の定年退職が60歳ですが、六年後に迫っています。其れまでに戻れば戻りたい気持ちはありますが、後釜もないのでまだ先が見えていません。もしかしたら定年までいる可能性があります。これはちと厳しいところです。まあ、何とかなるでしょう。

○.....Subject: *Jupiter and Saturn*  
Received: *Wed 14 Oct 2009 22:35:45 JST*

こんばんは、木星と明け方の土星画像です。

○.....Subject: *Venus V091010*  
Received: *Wed 14 Oct 2009 22:39:27 JST*

低空の金星のUV-IR画像です。UVでは南北が明るく見えます。

○.....Subject: *Mars Ak14Oct09*  
Received: *Fri 16 Oct 2009 11:18:07 JST*

南様、10月14日の火星画像です。気流、天気(雲、風)とも悪い状態でした。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091014/Ak14Oct09.jpg>

○.....Subject: *Mars Ak15Oct09*  
Received: *Fri 16 Oct 2009 15:24:16 JST*

南様、Ak15Oct09の火星画像です。今朝は先日より風が少なく、火星のふらつきが少なくなりました。仕事のトラブルがあり、落ち着かない状態が、緩和され精神的に楽になりました。一人は辛いものがあります。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091015/Ak15Oct09.jpg>

フィリッピン東側には次の台風があり、北に行くのか？フィリッピンに来るのか？心配です。

○.....Subject: *Venus Jupiter Saturn V091015 J091018 S091015*  
Received: *Sun 18 Oct 2009 22:50:56 JST*

台風の影響で、晴れず、とびとびの画像です。木星/IR画像ではこの経度においてSEBsが淡くなっているようですが、9月と比べ、淡くなっている感じがします。、淡化の前触れか？

土星/明け方、輪の消失から北側が見えるようになって来ました。低空のため、イメージは悪い。

○.....Subject: *Mars Ak18Oct09*  
Received: *Wed 21 Oct 2009 00:10:43 JST*

こんばんは、10月18日の火星画像です。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091018/Ak18Oct09.jpg>

○.....Subject: *Saturn S091018*  
Received: *Wed 21 Oct 2009 00:20:58 JST*

土星画像です。明け方、まだまだ低い空にあり、気流の影響が大きい。リングの傾きは水平から北側になりました。

阿久津 富夫 (Tomio AKUTSU セブ The Philippines)

●.....Subject: *IWCMO*  
Received: *Sun 04 Oct 2009 18:56:24 JST*

Dear sir, I was very happy to meet you last month in Paris. Both your talks were very usefull for my own research. I read my notes I took while listening to you and I have a question: You said Kanamé Nakamura committed suicide. Do you know the reason why?

I am looking forward to reading you and I send my best regards to you.

Jean CAVÉ (シヤン・カーヴェ nr Paris 法)

●.....Subject: *A small stop in our wonderful hobby ....*  
Received: *Tue 06 Oct 2009 18:11:01 JST*

Hi all, It's been a long time since I've posted some Planetary images. Not that something wrong with my health, but as of January 3, 2009, I was plagued by the recession. After 30 years of loyal service I had to go.

We have (my son and wife) a difficult period behind us. So far so good. Well we have decided my wife and I to ensure our future in their own shop. This store has nothing to do with our hobby, but more what I expire 30 years already do for my livelihood. Our Health Store for all your Health Products. So a lot of work done in the shop and the end is in sight. But we have our online shop and we can offer our services.

Honestly this mail have nothinge to do with astrofotografy and I know this message belongs not on the mailing list and it is certainly not meant to advertise. But more to notify you why no (few) shots of my show in the future. Of course I follow the list and the images and I hope that soon I can make some time, to crawl behind the telescope. There will also be a block aside time from my website with a link to <http://www.astrofotografie.nl/> This is all yet to give due consideration to our future.

So you know why. Our shop:

<http://www.gezondheidswebwinkel.nl/>  
Sorry it is in Dutch, if you are intrested you can translate it by Google. With kind regards

Richard BOSMAN (リチャルト・ボスマン Enschede 蘭)

●.....Subject: *Re: A small stop in our wonderful hobby ....*  
Received: *Tue 06 Oct 2009 21:34:41 JST*

Hello Richard, I had a similar thing happen to me about two years ago. I had bad financial troubles and had retired. I had little choicem so decided to start my own business and now, two years later, we are doing very well. The first year was tough but I could see that we were growing. Good luck to you in your new venture. Please keep in touch.

Jim PHILLIPS (ジム・フィリップス SC 美)

●.....Subject: *日本火星協会*  
Received: *Thu 08 Oct 2009 23:20 JST*

村上様、初めてメールさせていただきます。東亜天文学会の火星課を2003年以来時々見させていただいております。

私は、横浜在住の火星への移住に興味を持って勉強しているアマチュアです。アメリカの火星協会、日本惑星協会の会員ではあります。また、日本火星協会のブログを担当しております。今のところ仕事をしながらという態勢ですので十分な活動が出来ていませんが、少しでも火星有人探査の進展することを願っております。

今回、メールさせていただいたのは、日本火星協会のブログにリンクをはらせて頂きたいというお願いと今後、いろいろ教えていただきたくお近づき願えたらという趣旨です。宜しく願いいたします。

現在、興味を持っているのは、火星の暦、天文年鑑には火星暦が載ってますし、火星協会の会長



ズ布林氏の提案している暦もあります。両者の共通点は春分点を起点にしているところです。(詳細は、省きます。) NASAでは、現在は探査機毎に探査を始めた日を起点にSOLで数えています。これはこれで探査日数との関係で分かりやすいのですが、季節感が掴み難いのが難点です。世界共通のものがそろそろ必要な時期になっていると感じております。勝手なことを書かせていただきましたが、宜しく願い申し上げます。

○.....**Subject: Re: 日本火星協会**  
**Received: Thu 22 Oct 2009 21:50 JST**

村上様、リンクの件、ご快諾ありがとうございます。本日まで大阪出張でしたので、返事が遅れました。私どものサイトは、下記です。

<http://marsociety-japan.org/>

私は、その中でブログを担当しています。

現在は、火星の情報(NASAが多いですが...)をお知らせすることを中心にしてます。また、少しずつですがアメリカ火星協会創設者のズ布林氏の著作「マーズ・ダイレクト」の読みあわせをしております。私が火星に興味を持ったのは、十数年前に「マーズ・ダイレクト」を読んで現在の技術でも行こうとすれば、可能性があることを知ったのとNHKサイエンススペシャルの「2014年火星への遙かな旅」を読んだことです。火星のサイトをいろいろ見ている中でそちらのサイトも見させていただき、本格的に観測をやっておられる方達がいらっしゃるのに驚きました。火星を通じて知人が増えることは、張合いになります。日々の仕事をしながらなので十分な活動ではありませんが、宜しく願い申し上げます。

**安濃 由紀** (Yoshiki\_ANNOU 日本火星協会  
Yokohama)

●.....**Subject: October 10/ blue fireball**  
**Received: Mon 12 Oct 2009 01:12:31 JST**

Hi all, I also had a chance to see the sun between the clouds yesterday and a first chance to try my new PGR Scorpion firewire camera:

[http://www.avertedimagination.com/img\\_pages/blue\\_fireball.html](http://www.avertedimagination.com/img_pages/blue_fireball.html)  
 I was happy to find that full solar disk fits on the 1600x1200 chip using my 90mm Coronado H-Alpha filter and 92mm A-P Stowaway refractor. The seeing was very poor - I did not attempt to stack frames. This image is made from two individual video frames, color adjusted to show the structures of the chromosphere. It's a bit grainy, but I like the way it turned out. The tiny active area documented by Pete can be seen just below and to the right of center. I imaged the larger protuberances also - hope to get to work on these later today.

Linked below the image are a couple of terrestrial shots I took using the new camera with the stowaway and an IR filter. clear skies!

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

●.....**Subject: RE: Talk manuscripts at IWC MO**  
**Received: Wed 14 Oct 2009 14:14:04 JST**

Dear Masatsugu, I am attaching the draft of Chapter 2 from my book, which provided the basis for my remarks

in Paris. Since this chapter is still subject to editing before publication, I would request that anyone wishing to cite it contact me directly. I have also included a table of contents, in case anyone would like to see other chapters as well.

The powerpoint file I used is quite large, so I am not sure what is the best way to share it with you. Do you have a server where I could upload it?

And finally, Jean Cavé lives in the Paris suburbs, near Meudon. I do not know the exact address. Very best,

**Maria LANE** (マリア・レーン NM 美)

(註) K Maria D LANE belongs to the Department of Geography, University of New Mexico. Her talk at the IWC MO was based on the Second Chapter of her coming book entitled *Geographies of Mars: Seeing and Knowing the Red Planet*. A draft of Chapter 2 will be given in the IWC MO Pages of the CMO Web Site: Incidentally we hear her book has the following

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●.....**Subject: Mars-2009-10-14-KUMAMORI**  
**Received: Thu 15 Oct 2009 20:55:54 JST**

南政次様、熊森照明です。一月ぶりの撮影になりました。この時期、視直径が1秒角違うと随分と大きく感じます。よろしくお願ひいたします。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091014/Km14Oct09.jpg>

○.....**Subject: Mars-2009-10-15-KUMAMORI**  
**Received: Fri 16 Oct 2009 21:42:06 JST**

二日続けての撮影です。シーイングが良さそうだったので、大きく拡大して写しましたがちょっと無理があるようで、写りはもう一つでした。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091015/Km15Oct09.jpg>

○.....**Subject: Mars-2009-10-17-KUMAMORI**  
**Received: Mon 19 Oct 2009 15:16:38 JST**

ギリギリに眼が覚めましたので、10分ぐらいしか撮影時間が取れませんでした。撮影サイズを戻しましたが、時間があるときにもう少しだけ大きく撮してみたいと思います。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091017/Km17Oct09.jpg>

○.....**Subject: Mars-2009-10-20-KUMAMORI**  
**Received: Wed 21 Oct 2009 23:01:26 JST**

シーイングはまずまずだったのですが、写りはあまり良くありません。リムのがどうしても不自然になっています。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091020/Km20Oct09.jpg>

**熊森 照明** (Teruaki KUMAMORI 堺 Osaka)

●.....**Subject: Re: Mars observations 2009-10-18**  
**Received: Mon 19 Oct 2009 6:38 JST**

Greetings, My first set of observations of this apparition. Conditions were very poor but I need the practice.

All information and times on the attached image. Best regards

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091018/BKn18Oct09.jpg>

**Bruce KINGSLEY** (ブールス・キングスリィ Maidenhead 英)

●.....**Subject: Brightness measurement of Mars**  
**Received: Mon 19 Oct 2009 21:51 JST**

Hello Everyone: I measured the brightness of Mars this morning (Oct. 19, 2009) at 10:16 UT. Mars had a V-filter brightness of 0.56 stellar magnitudes with an uncertainty of 0.02 magnitudes. This is close to the predicted brightness of Mars. This result is consistent with that planet having little or no dust in its atmosphere.

I used a 0.09 meter Maksutov telescope and an SSP-3 Solid State photometer to make the measurement. The measurement was made from my home in Barnesville, GA USA.

I am planning to send you a copy of my 2005-2008 Mars paper through the postal mail. I am planning to continue to monitor the brightness of Mars during 2009-2010.

**Richard SCHMUDE Jr** (リチャード・シュムド GA 美)

●.....**Subject: Re: Talks at Paris/Meudon**  
**Received: Mon 19 Oct 2009 23:42:24 JST**

Dear Masatsugu, it was a real pleasure to meet you after so many years of reading the CMO circulars. Please find attached the file of my presentation. It is rather big, but hopefully it will reach you. I appreciate very much that you decided to collect all the talks: this initiative was missing and will leave a long-term archive for all of us.

Best regards

**Paolo TANGA** (パオロ・タンガ Côte d'Azur 法/義)

●.....**Subject: mars obs 19th**  
**Received: Tue 20 Oct 2009 3:20 JST**

Hi good evening, Here is my mars obs of this morning. Sorry for the gap but I was sick for 3 weeks almost. Please receive these data that may be interesting for the survey and the ccd imagers. Kind regards

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091019/SMk19Oct09.jpg>

○.....**Subject: Mars obs 19th add**  
**Received: Wed 21 Oct 2009 3:27 JST**

Good evening Minami San, good evening Richard, I took again my note for the observation done last 19th and I send you this sketch, a little better for the report without filter with the 250mm newtonian and 400x. This is giving the visual impression at the first look of the planet with 7/10 seeing level. The brightness of the Hellas basin and surroundings at the same latitude is a little forced, not too much. But the Hella basin was almost the brightness of the polar hood at the opposite hemisphere. Please consider this add. Kind regards

<http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/091019/SMk19Oct09.jpg>

**Stanislas MAKSYMOWICZ**

(スタニスラス・マクシモヴィッチ Ecquevilly 法)

☆☆☆

◆**バリ・模様II**◆先達で新聞に池澤夏樹氏が五年の法國生活を切り上げて帰朝したら、何と日本の特に駅構内での音聲のサービス振りの異常に音を上げたという話が出ていた。◆私はこの現象は責任逃れの他に、日本語の構造に関係しているのではないかと思う。◆私達はバリ天文臺に近いPort Royal(ポール・ロワイヤル)の近くに宿を取ったので、RERのB



線を利用することになったが、北往きの次の駅はLuxembourg(リュクサンブルグ)である。Port Royalを出ると、Luxembourgとポツリと二度ほど車内放送が入る。この時、日本なら「次は」というような語が附くのではないかと思う。Luxembourgの次はSt-Michel\_Notre-Dame(サン・ミッシェル・ノートルダム)である。ここはC線に乗り換える重要な駅で、



まごつくこと請け合いである。然し、「次は」無しの駅名以外に乗り換え案内の放送はない。◆中国語でも同じ様なことがあるのではないか。一度書いたが、日本語なら「□○△さん、おいでになりますか」というところを蔡章獻さんは「□○△、在不在?」と仰有っていたが、これでは「居るか居ないか」というのに等しい。

日本語で「さん」を付けるのも「次は」と付けるのも「です」で終わるのも同じ文化なのである。自然ごちゃごちゃと言葉が付き、慣れなければ五月蠅いだけであろう。◆日本語がフランス語の様な明晰さに缺けるとしたら、この邊に理由がある。重要な単語を拾い出す感覚が必要となる。

◆同じく最近の新聞で俳人の長谷川權氏が、日本の文化は夏の蒸し暑さを避けるために出来てると書いていた。日本人は握手をせずにお辞儀をする。◆バリでは店の外のテーブルでお茶をしている風景は矢鱈多い。私達もサン・ジェルマン・デ・プレなどで真似を試みたが、日射しを受けると暑くて仕様がな。然し、湿度が低いから蒸し暑さは無く蔭に入ると涼しい。



フランス人は喜んで日射しを浴びている。木製のシモーヌ・ド・ボーヴォワール橋の上では日射しを浴びながら自転車を横に置いて昼寝している人の風景に出逢った。◆長谷川氏は蒸し暑さが暑苦しい長い言葉を排し、俳句の様な短詩を生み出したと言うのだが、私には暑苦しさが明晰さを缺く曖昧さを生んだのではないかと思う。曖昧さを補う爲に寧ろサービスが始まる。だから丁寧な細やかな日本語に接するとホッとす。 (Mn)

シー・エム・オー・フクイ

中島 孝 Nj

★前号は南(Mn)編集長に依ってパリで9月24日迄に編集され、期日にはuploadされました。Mn氏は26日に無事帰国されましたが、印刷原稿で手間取り、30日になってNs氏と筆者(Nj)で印刷・丁合し、海外は即日、国内は翌日発送しました。横浜(Ts氏)、宗像(As氏)には10月4日、藤沢(Mk氏)には5日に配達された様です。Mn氏は予定通り眼科に1日に入院され、11日に無事退院されました。不一

☆ Kasei-Tsushin CMO ([http://www.hida.kyoto-u.ac.jp/~cmo/cmo/oa\\_mars.html](http://www.hida.kyoto-u.ac.jp/~cmo/cmo/oa_mars.html))

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