

MARS

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OBSERVATIONS

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The International Workshop on one Century of Mars Observations (IWCMO) was successfully held on 17, ~20 September 2009 at Paris Observatory and Meudon Observatory. This was planned to celebrate the splendid event on 20 September 1909 when Eugène M. ANTONIADI obtained a superb drawing at Meudon which denied the presence of the so-called *canals*, just showing a leopard-skin-like markings near Syrtis Mj. ANTONIADI really wrote *"Les plus belles images que j'ai eues sur Mars avec cet instrument (la lunette de 0m83) ont été celles du 20 septembre 1909, qui restèrent parfaites pendant plus de deux heures."*

The registration and reception was held from 16h on 17 September at and around the Salle Cassini of the Paris Observatory near Denfert-Rochereau where we had aperitif and dinner. About 30 members including accompanied persons gathered and it was a cozy meeting with enough time of good conversations. We visited a historical museum and also the white dome where the Arago telescope is equipped: We explored the curious place beneath the moving floor of the dome. Finally we enjoyed the night view of the quiet Paris from the rooftop.

Talks began on 18 September at the *Institut d'Astrophysique de Paris*, bd Arago, from 9:20 am. The first speaker was Bill SHEEHAN (WSh) and talked for 36 minutes. And then five persons gave 30 minute talks about the classical observations until the lunch time. After lunch two talks and one one-hour panel discussion (led by WSh) followed, and finally after the coffee break, E CHASSEFIÈRE gave a lecture on "Latest results on studies of Martian atmosphere by space missions" and further two CMO members gave talks. Ended at 17:45.

On 19 September the conference was held at the Salle du Chateau beneath the Grande Lunette of the Meudon Observatory. Meudon is located at the top of a vast hill and the rail-way stations are near the bottoms of the valleys and hence it was quite hard to reach the Observatory for the visitors. So it started slightly later and the first speaker was Richard McKIM (RMk) who talked about the recent dusts for 40 minutes (RMk also gave a talk on ANTONIADI the man and the Mars observer on the preceding day). Then three CMO members followed including Christophe PELLIER (CPl), the present writer (Mn) and Paulo TANGA. Mn was forced, because of an alteration of the programme, to give two 30 minute talks at one stretch and needed more than one hour to finish. After the late buffet lunch (~14h),



we went, as an excursion, to Juvisy by bus. We stayed there to see the ruined inside of the Flammarion Observatory and the grave yard until 18h.

On 20 September, the very day, we also gathered at the Meudon Observatory, but nothing special was given. After a short talk of *RMk*, we were gone outside to be shown some facilities of the Observatory and finally the pitiful Grande Lunette. It was quite sad to know that, while the work of ANTONIADI stands excellent still even now after one century, the instrument itself could not have endured for just one hundred years.

Finally we would like to express sincerely our deepest gratitude to Nicolas BIVER (*NBv*) and Daniel CRUSSAIRE (*DCr*) and others for their kind and great efforts to organise and keep this memorial conference.

(Masatsugu MINAMI (*Mn*) at Paris)

★IWCMO報告★ウゼーヌ・アントニアズが1909年九月20日にムードン天文臺で二時間ばかり完璧なシーイングに出会い、運河のないレオパード・スキン状の火星面を見てスケッチを残したことを記念して、百年後の今回九月17日から20日までパリ天文臺とムードン天文臺で「この一世紀の火星観測の国際ワークショップ」(International Workshop on one Century of Mars Observations=*IWCMO*)が行われました。この會議はCMOとシーハン(*WSh*)氏が言い出しっぺですが、全體の企画や運営はニコラ・ビヴェール(*NBv*)氏を中心とするフランス側の對應でした。日本からは私(*Mn*)だけの出席でしたが、多くはCMOのメンバーで*WSh*氏などを除いて殆どが私は初對面でした。詰まりは廿年前からのメンバーで名や観測をよく知りながら初めて拝顔するという人達だった譯です(*NBv*氏もそうですが、大物ではマッキム(*RMk*)氏がそうです。若手ではペリエ(*CPl*)さんなど)。ただ私の知らない人たちも出席し、講演がなされました。17日は16時からパリ天文臺でのレセプションで、複雑なルートで會場に着くのは氣苦勞でしたが、はじめに上の方から聲を掛けてくれたのは*CPl*氏とクリュセル(*DCr*)氏でした。向こうは東洋人が現れたので直ぐ認知したと思うのですが、私は名乗られるまで分かりませんでした。レセプションには同伴者も含めて三十人ばかり集合して和氣藹々でコージーな會でした。カッシーニ以來の歴代の臺長の肖像畫の並ぶ部屋で有名な處です。詳しくは略しますが、アペルチフや博物館みたいところの見學、ディナー、最後は白いドームのアルゴ望遠鏡の細部まで(床下まで)見せて貰いました。後は屋上からパリの夜景を見物しましたが、誰かがパリの夜は案外静かだねと言っていました。私はポール・ロワイヤル駅近くの宿泊でしたから直ぐ歸れましたが、23時頃でした。翌日は矢張り同じ敷地内の別の處でしたが、ダンフェール・ロシュローという交差点の多い駅で降りたため私は道を間違え、途中でフラナガン(*WFl*)氏と偶然出會い私は逆の方向に歩いていたことを知りました。日程は朝から三十分トークが並んで、*SWH*氏関係の人たち六人他がコーヒー・ブレイクや昼食を挟んで夕方までぎっしりでした。最後はパネル・ディスカッションとプロの火星大氣に関する講演、それにまだ30分トークが二つ續きました。

19日からは郊外のムードン天文臺(パリ天文臺はカッシーニ以來ですが、こちらはジャンセン以來で新しい方)へ會場を移したのですが、實はこの所在地が難物で、昔の城塞跡で高臺にあり、しかも駅は谷底にある譯ですから、辿り着くのが山登りみたいにたいへんなのです。實は16日に個人的に下見に行ったのですが、ビッグ・ドームの裏口に辿り着くのがやっとで草臥れ、結局正面玄関は方向だけ定めて諦めました。但し、天文臺のある丘は廣い臺地のまるで庭園で長い並木道があったりしてとても氣持の好いところです。裏口に廻った所爲でジャンセンの像にも出合いました。實際の19日の講演も午後途中までぎっしりでしたが、予定が些し變更され、*RMk*氏と*CPl*氏の三十分トークの後、私が午前中二つ續けて一時間以上話すことになり、コーヒー・ブレイク中に持参のパソコンの準備が出来たから好いものゝたいへんな思いをしました。ただ懸案のパワーポイントはうまく使えたと思います。午後のトークの途中からはフラマリオン天文臺のあったジュヴィシーへバス遠足でした。

翌20日もムードンでしたが、*RMk*氏の短いトークの後には天文臺見學でした。ジュヴィシーのことと

ムードン大望遠鏡の姿については後日改めてまた書きましょう。期間中雨は一度も降らず寧ろ私は毎日暑いぐらいで閉口気味でしたが、忙しく動き回るNBv氏などは冬のジャケットを着ていました。個人的に私には健康の心配がありましたが、腰の痛みの他は良好で無事済んで良かったと思っています。尚、ムードンと書いていますが、ムドンとする方が好いように思います。

最後になりましたが、参加の皆さんとフランス側のご努力に感謝します。(南 政 次@巴里)

CMO 2009/2010 Mars Report #06

OAA Mars Section

♂..... Usually this column has been written by exchanging the emails between Fukui and Fujisawa, but this time we write this report by exchanging the emails between Paris and Fujisawa: This report treats the one-month period between **16 August ($\lambda=322^\circ\text{Ls}$)** and **15 September ($\lambda=339^\circ\text{Ls}$) 2009**, during which the apparent diameter δ went up from 5.5" to 6.2", large enough especially for the ccd imagers. The central latitude ϕ went rapidly down from 0°N (0.4°N) to $\phi=8^\circ\text{N}$. The phase angle ι was 37° to 39° . The apparent declination D was maximal from the end of August to the beginning of September at $23^\circ34'\text{N}$: It will gradually go down southward henceforward. At present the planet rises rapidly near to the zenith seen from the Northern Hemisphere.

In the preceding report we wrote the rainy season ended at Hokuriku on 4 August, but on 1 September the weather station admitted they mistook, and declared they could not identify when and how the rainy season ended. As such few summer-like days visited this summer at Hokuriku.

♂..... いつもは福井と藤沢との間でemailを交換しながらこの欄を書いているが、今回はパリと藤沢との間のemail交換となった。時差の違いだけであるがこれが案外と厄介であった。今回の取り扱う範囲は**16Aug($\lambda=322^\circ\text{Ls}$)**から**15Sept($\lambda=339^\circ\text{Ls}$)2009**迄の一月である。視直径 δ は5.5"から6.2"に延び、随分大きくなった感じである。中央緯度 ϕ は 0°N (0.4°N)から $\phi=8^\circ\text{N}$ に急激に変わっている。位相角 ι は 37° から 39° となった。 δ は6秒角に入ったのでccdでは充分な大きさである。なお、視赤緯 D は八月末から九月初めに掛けて $23^\circ34'$ で最大となった。これから少しずつ降りてくる。現在火星は直ぐ高くなる。

前回北陸地方の梅雨明けは公式発表に従って八月4日としたが、九月に入って実は気象台の間違いで公式に梅雨明けは不明ということになった様である。それぐらい夏らしい日はなかったことになる。

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

BOLZONI, Simone スイモーネ・ボルツォーニ (SBI) イタリア Busto Arsizio, Italia

1 Violet Image (1 September 2009) 20cm SCT with ToUcam Pro II

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

12 IR Images (16, 18, 19, 24, 26, 27, 31 August; 1, 4, 7, ~9 September 2009)

32cm speculum@f/57 with a DMK21AF04

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

10 Colour + 1 R+ 10 B Images (20, 26, 27, 31 August; 2, 4, 5, 8, 9, 11 September 2009)

28cm SCT with a DMK21AU04

GORCZYNSKI, 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 (26 August 2009)

18cm Maksutov-Cassegrain@f/30 with a DMK21AF04

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

1 Set of Colour Images (10 September 2009)

20cm Dall-Kirkham@f/70 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

7 Sets of Drawings (18, 20, 26, 27, 30⁺ August; 6, 13 September 2009)

280, 320, 360×15cm Cassegrain, 240, 400 ×25cm speculum⁺

MELKA, James T ジム・メルカ (JMI) ミズーリ Chesterfield, MO, USA

1 Colour + 1 Set of RGB Images (12 September 2009) 30cm speculum@f/42 with a DBK21AF04

MINAMI, Masatsugu 南 政 次 (Mn) 福井 Fukui*, Fukui, Japan

10 Drawings (19, 25 August; 9 September 2009) 400×20cm Goto ED refractor*

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

26 Sets of RGB + 26 IR Images (17, 19, 22, 24, ~26, 31 August; 1, 2, 6, ~8, 10, 12 September 2009)
25cm speculum@f/60 with a Lu075M

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

9 Drawings (25 August; 8, 9 September 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

3 Sets of RGB + 4 IR + 1 Violet Images (30 August; 6 September 2009)
25cm Cassegrain@f/50 with a SKYnyx 2-0M

ROSOLINA, Michael マイケル・ロズリーナ (MRs) ウェストバージニア Friars, WV, USA

1 Colour Drawing (5 September 2009) 250, 330, 500×20cm SCT

SMET, Kris クリス・スメト (KSm) ベルギー Bornem, Belgium

1 Colour Drawing (8 September 2009) 375×30cm Dobsonian

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 + 1 IR Images (2 September 2009) 32cm speculum with a DMK21AF04

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

8 Sets of RGB Images (20, 21, 29 August; 6, 9, 11 September 2009)
28cm SCT (⊗2×, 3× Barlow) with a DBK21AF04AS

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

♂.....a) **Solis L**: The area of Solis L has looked darkly hanging down, but its own part became gradually identified. Yukio MORITA (Mo)'s images on 17 Aug ($\lambda=323^\circ\text{Ls}$) at $\omega=084^\circ\text{W}$ Solis L does not separated from Tithonius L, but his images on 19 Aug ($\lambda=324^\circ\text{Ls}$) at $\omega=059^\circ\text{W}$, 067°W , Solis L is seen dark independent from the Tithonius L. Also on the image by GHOMIZADEH (SGh) on 26 Aug ($\lambda=328^\circ\text{Ls}$) at $\omega=085^\circ\text{W}$ Solis L looks as an independent dark spot. PELLIER (CPI)'s images on 30 Aug ($\lambda=330^\circ\text{Ls}$) at $\omega=088^\circ\text{W}$ clearly show this fact. GERSTHEIMER (RGh)'s image on 31 Aug ($\lambda=330^\circ\text{Ls}$) at $\omega=095^\circ\text{W}$ is good in that in addition to the independent of Solis L, it shows Agathodaemon, phasis and M Sirenum clearly. Solis L is like an *eye* on RGh image on 1 Sept ($\lambda=331^\circ\text{Ls}$) at $\omega=087^\circ\text{W}$. Solis L is dark even at the morning side on RGh's image on 7 Sept ($\lambda=334^\circ\text{Ls}$) at $\omega=053^\circ\text{W}$. MELKA (JMI) took the images of the area of Solis L and Auroirae S on 12 Sept ($\lambda=337^\circ\text{Ls}$) at $\omega=064^\circ\text{W(R)}$, $072^\circ\text{W(Colour)}$. In this period at this area there seems to have occurred no dust disturbance. b) **The Area around Margaritifer S and Chryse**: On 19 Aug ($\lambda=324^\circ\text{Ls}$) one of us (Mn) watched visually the planet at Asuwa-yama at $\omega=036^\circ\text{W}$, 045°W , 055°W : Margaritifer S looked recovered and dark together with Aurorae S. The npH was largely whitish though Niliacus L was seen. The south polar edge was also whitish bright. The planet soon rose up. On 22 Aug ($\lambda=326^\circ\text{Ls}$), Mo produced the R-G-B-IR images at $\omega=028^\circ\text{W}$, 038°W , 045°W : They certainly show the area of Margaritifer S to Aurorae S. The npH is interesting in that it invaded between M Acidalium and Nilokeras. A part of Chryse was dusty bright. Contrary to the visual observation the whiteness of the south polar edge looks blurred. Mo also took on 24 Aug ($\lambda=327^\circ\text{Ls}$) at $\omega=010^\circ\text{W}$, 019°W where Chryse looked normal: The connection with the npH is unknown. S Sabaeus is partly seen and Aurorae S is near the morning limb. On 25 Aug ($\lambda=328^\circ\text{Ls}$), Mo took at $\omega=356^\circ\text{W}$, 010°W : The description of Margaritifer S on the former images is good. The latter one can be compared with the image at $\omega=010^\circ\text{W}$ on the preceding day: The atmosphere and ground must have reflected somewhat a dusty matter but not too strong.

On *SGh*'s image on 31 Aug ($\lambda=330^\circ\text{Ls}$) at $\omega=029^\circ\text{W}$, Chryse was dull. However on his images on 4 Sept ($\lambda=333^\circ\text{Ls}$) at $\omega=350^\circ\text{W}$, and on 5 Sept ($\lambda=333^\circ\text{Ls}$) at $\omega=342^\circ\text{W}$, Chryse is at the morning side and looks light. *CPl*'s R-G-B images on 6 Sept ($\lambda=334^\circ\text{Ls}$) at $\omega=003^\circ\text{W}$, 010°W (furthermore $\omega=000^\circ\text{W}\sim 014^\circ\text{W}$ in IR) show that the Chryse is particularly light, more largely than those images of *Mo* on 22 Aug ($\lambda=326^\circ\text{Ls}$) at $\omega=028^\circ\text{W}$, 038°W , 045°W . However it is unknown whether it is connected with the *nph* and does not conceal any dark marking. *CPl* cautions us that Chryse is light in G, and MAKSYMOWICZ (*SMk*) also observed visually at $\omega=020^\circ\text{W}$ that Chryse is bright in G (by the use of *Wr*#56 --not *Wr*#58). However on the following *RGh*'s IR image on 7 Sept ($\lambda=334^\circ\text{Ls}$) at $\omega=053^\circ\text{W}$ Chryse looks rather normal, and so it has not been so dense as *CPl* expected. *RGh*'s image on 9 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=013^\circ\text{W}$ is compared with other $\omega=010^\circ\text{W}$ images, but this also looks normal: The area following Oxia P is however spot-likely bright. **c) Syrtis Mj and M Serpentis:** Syrtis Mj was caught by *RGh* on 16 Aug ($\lambda=322^\circ\text{Ls}$) at $\omega=265^\circ\text{W}$, and the following image on 18 Aug ($\lambda=323^\circ\text{Ls}$) at $\omega=257^\circ\text{W}$ was excellent and shows the separated M Cimmerium in addition to the morning Syrtis Mj and M Hadriacum. On 19 Aug ($\lambda=324^\circ\text{Ls}$) at $\omega=233^\circ\text{W}$, *RGh* shows the extension of the Aetheria dark patch. On 21 Aug ($\lambda=325^\circ\text{Ls}$) at $\omega=279^\circ\text{W}$, WARREN (*JWn*) vaguely showed Syrtis Mj (this image however does not depict the white *nph* in B). On 25 Aug ($\lambda=327^\circ\text{Ls}$) *Nj* and *Mn* visually observed that the area around M Serpentis was dark in the evening (*Nj*: $\omega=333^\circ\text{W}$, 342°W , 352°W ; *Mn*: $\omega=338^\circ\text{W}$, 347°W , 357°W). *Mo* trapped Syrtis Mj on 1 Sept ($\lambda=331^\circ\text{Ls}$) at $\omega=289^\circ\text{W}$, and on 2 Sept ($\lambda=332^\circ\text{Ls}$) at $\omega=282^\circ\text{W}$ near the CM, and showed M Serpentis was dark in the morning. The morning Syrtis Mj was shown by *Mo* on 6 Sept ($\lambda=334^\circ\text{Ls}$) at $\omega=243^\circ\text{W}$, 253°W , on 7 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=234^\circ\text{W}$, 244°W , and on 8 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=224^\circ\text{W}$, 234°W : At $\omega=224^\circ\text{W}$ it is faint. *SGh* took a good image on 11 Sept ($\lambda=336^\circ\text{Ls}$) at $\omega=288^\circ\text{W}$ with Syrtis Mj more inside, and on 13 Sept ($\lambda=337^\circ\text{Ls}$), *SMk* watched at the same angle (the evening Syrtis Mj and the morning Sabaeus S). **d) M Sirenum, M Cimmerium and Propontis I:** M Cimmerium is visible on *RGh*'s images on 24 Aug ($\lambda=327^\circ\text{Ls}$) at $\omega=173^\circ\text{W}$, whereas the image on 26 Aug ($\lambda=328^\circ\text{Ls}$) at $\omega=156^\circ\text{W}$ is better. On the same day Peter GORCZYNSKI (*PGc*) shot at $\omega=195^\circ\text{W}$ and showed the area of Phlegra to be quite shadowy though the image is small. On 6 Sept ($\lambda=334^\circ\text{Ls}$) *JWn* at $\omega=128^\circ\text{W}$ (129°W), $\omega=133^\circ\text{W}$ showed M Sirenum faintly. *Nj* and *Mn* observed on 9 Sept ($\lambda=336^\circ\text{Ls}$) from $\omega=188^\circ\text{W}$ to $\omega=212^\circ\text{W}$: On the northern hemisphere the area around Propontis I is quite shadowy: M Sirenum looked darker than M Cimmerium. On the other hand *Mo*'s images on 10 Sept ($\lambda=336^\circ\text{Ls}$) at $\omega=207^\circ\text{W}$ show the dark M Cimmerium; otherwise the pair of Phlegra-Cerberus and the Aetheria dark patch pinches the dull Elysium. This aspect was also clearly shown on the images by Teruaki KUMAMORI (*Km*) on 10 Sept ($\lambda=336^\circ\text{Ls}$) at $\omega=221^\circ\text{W}$ (LRGB). Also *Mo*'s images on 12 Sept ($\lambda=337^\circ\text{Ls}$) at $\omega=185^\circ\text{W}$, 195°W , 204°W well suggest. **e) Evening Amazonis:** *Mo*'s images on 7 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=234^\circ\text{W}$, 244°W prove that the rather southern evening area near the terminator is light in a tint of yellow. His images on the following 8 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=224^\circ\text{W}$, 234°W also show a bit. Similarly *Nj* observed on 8 Sept ($\lambda=335^\circ\text{Ls}$) at $\omega=224^\circ\text{W}$ and alluded to the lightning of Amazonis near the terminator. On 9 Sept ($\lambda=336^\circ\text{Ls}$), *Nj* and *Mn* observed that the area was rather whitish. **f) The north polar hood (nph):** The *nph* is evident to visual observers and the ccd imagers who take the B images (except for *JWn*). As shown in *Mo*'s case there are seen activities. Unfortunately *RGh*, who frequently observes and produces excellent IR images, does not yet start in taking B images.

♂.....**a) ソリス・ラクス:** ソリス・ラクス周辺が濃く垂れ下がって見えていたが、本体が割りとハッキリして来ている。森田行雄(*Mo*)氏の17Aug($\lambda=323^\circ\text{Ls}$) $\omega=084^\circ\text{W}$ ではソリス・ラクスとティトニウス・ラクスの分離が悪いが、19Aug($\lambda=324^\circ\text{Ls}$) $\omega=059^\circ\text{W}$ 、 067°W ではソリス・ラクスが暗斑として独立している。ゴミザデ(*SGh*)氏の26Aug($\lambda=328^\circ\text{Ls}$) $\omega=085^\circ\text{W}$ にも暗斑として出ているかという状態だが、

ペリエ (CPI) 氏の 30Aug($\lambda=330^\circ\text{Ls}$) $\omega=088^\circ\text{W}$ には暗斑として明確である。ゲルストハイマー (RGh) 氏の 31Aug($\lambda=330^\circ\text{Ls}$) $\omega=095^\circ\text{W}$ の IR 像には暗斑として独立するのみならず、アガトダエモン、パーシス、その先のマレ・シレヌム等が分離している。1Sept($\lambda=331^\circ\text{Ls}$) $\omega=087^\circ\text{W}$ には目玉の如くである。7Sept($\lambda=334^\circ\text{Ls}$) $\omega=053^\circ\text{W}$ には朝方でも暗斑として濃い。メルカ (JMI) 氏は 12Sept($\lambda=337^\circ\text{Ls}$) $\omega=064^\circ\text{W}$ (R)、 072°W (Colour)でソリス・ラクス周辺を写し出している。尚、この期間、附近で黄塵活動はなかったようである。

b) マルガリティフェル・シヌス近傍とクリュセ：19Aug($\lambda=324^\circ\text{Ls}$)には筆者達の一人(Mn)が足羽山で $\omega=036^\circ\text{W}$ 、 045°W 、 055°W で眼視観測した。マルガリティフェル・シヌスがかなり濃く見えアウロラエ・シヌスも濃く見えている。北極雲が大きく明るく、ニリアクス・ラクスも見える。南縁も白く輝くように見える。火星は高くなると屈折では首が痛くなる状況である。22Aug($\lambda=326^\circ\text{Ls}$)にはMo氏が $\omega=028^\circ\text{W}$ 、 038°W 、 045°W で撮った。マルガリティフェル・シヌスからアウロラエ・シヌスに掛けての描写が確実である。特に北極雲がマレ・アキダリウムとニロケラスの間に入り込んで居るのが注目される。クリュセの一部がRで明るく見える。眼視と違って南縁の白さが目立たない。Mo氏は24Aug($\lambda=327^\circ\text{Ls}$)には $\omega=010^\circ\text{W}$ 、 019°W で撮っている。クリュセの明るさは普通であるように思われる。北極雲との繋がりとは分らない。シヌス・サバエウスの一部が見え、アウロラエ・シヌスが朝である。25Aug($\lambda=328^\circ\text{Ls}$)には $\omega=356^\circ\text{W}$ 、 010°W で撮った。前者でのマルガリティフェル・シヌスの描写が好い。後者は前日の $\omega=010^\circ\text{W}$ と比較できるが、クリュセは砂塵混じりと見ても好いであろうが、未だ弱いものと思われる。SGh氏の31Aug($\lambda=330^\circ\text{Ls}$) $\omega=029^\circ\text{W}$ ではクリュセは平凡である。然し、4Sept($\lambda=333^\circ\text{Ls}$) $\omega=350^\circ\text{W}$ 、5Sept($\lambda=333^\circ\text{Ls}$) $\omega=342^\circ\text{W}$ では朝方のクリュセが明るく見える。更にCPI氏の6Sept($\lambda=334^\circ\text{Ls}$) $\omega=003^\circ\text{W}$ 、 010°W (IR像では $\omega=000^\circ\text{W}\sim 014^\circ\text{W}$)ではクリュセが矢鱈明るく見える。明らかにMo氏の22Aug($\lambda=326^\circ\text{Ls}$) $\omega=028^\circ\text{W}$ 、 038°W 、 045°W の頃より拡がっている。但し、北極雲との繋がりはないようだし、暗色模様を隠すようなものではない。ただ、CPI氏がGで明るいことを強調し、マクシモヴィッツ (SMk) 氏の眼視で当日 $\omega=020^\circ\text{W}$ のW56(W58ではないらしい)で明るいとしている。然し、続くRGh氏の7Sept($\lambda=334^\circ\text{Ls}$) $\omega=053^\circ\text{W}$ には内部に入って然程の明るさではないので、CPI氏が期待したほどには濃くはなっていないと思われる。9Sept($\lambda=335^\circ\text{Ls}$) $\omega=013^\circ\text{W}$ は $\omega=010^\circ\text{W}$ シリーズに付け加わるものだが、平常のように見える。ただ、オクシア・パルス西側の西側が明るい。

c) シュルティス・マイヨルとマレ・セルペンティス辺り：シュルティス・マイヨルはRGh氏が16Aug($\lambda=322^\circ\text{Ls}$) $\omega=265^\circ\text{W}$ で捉えられ、続く18Aug($\lambda=323^\circ\text{Ls}$) $\omega=257^\circ\text{W}$ はマレ・キムメリウムの分離など像が好く、19Aug($\lambda=324^\circ\text{Ls}$) $\omega=233^\circ\text{W}$ にはアエテリア暗斑の延長などが見える。21Aug($\lambda=325^\circ\text{Ls}$) $\omega=279^\circ\text{W}$ のウォーレン (JWn) 氏の像にはマレ・セルペンティスと共にボンヤリ出ているが、この像のBには北極雲が乏しく、全体冴えない。25Aug($\lambda=327^\circ\text{Ls}$)では中島孝(Nj)氏とMnが眼視でマレ・セルペンティスが濃いことを確認している(Nj: $\omega=333^\circ\text{W}$ 、 342°W 、 352°W ; Mn: $\omega=338^\circ\text{W}$ 、 347°W 、 357°W)。Mo氏は1Sept($\lambda=331^\circ\text{Ls}$) $\omega=289^\circ\text{W}$ 、2Sept($\lambda=332^\circ\text{Ls}$) $\omega=282^\circ\text{W}$ でシュルティス・マイヨルをど真ん中で捉え、マレ・セルペンティスが朝方に濃い。明け方のシュルティス・マイヨルはMo氏の6Sept($\lambda=334^\circ\text{Ls}$) $\omega=243^\circ\text{W}$ 、 253°W 、7Sept($\lambda=335^\circ\text{Ls}$) $\omega=234^\circ\text{W}$ 、 244°W 、8Sept($\lambda=335^\circ\text{Ls}$) $\omega=224^\circ\text{W}$ 、 234°W などに出ている。 $\omega=224^\circ\text{W}$ では淡い。SGh氏の11Sept($\lambda=336^\circ\text{Ls}$) $\omega=288^\circ\text{W}$ も好い像である。また13Sept($\lambda=337^\circ\text{Ls}$)にはSMk氏が同じ角度を見ている、

d) マレ・シレヌム、マレ・キムメリウム、プロポンティスI：RGh氏の24Aug($\lambda=327^\circ\text{Ls}$) $\omega=173^\circ\text{W}$ などにはマレ・キムメリウムが見えるが、彼の26Aug($\lambda=328^\circ\text{Ls}$) $\omega=156^\circ\text{W}$ の方が像はよい。同じ日にゴルチンスキー (PGc) 氏が $\omega=195^\circ\text{W}$ で撮像し小さい像ながらプレグラあたりの暗斑を出している。6Sept($\lambda=334^\circ\text{Ls}$) $\omega=128^\circ\text{W}$ (129°W)、 $\omega=133^\circ\text{W}$ にはJWn氏がマレ・シレヌムを描写している。Nj氏とMnの9Sept($\lambda=336^\circ\text{Ls}$) $\omega=188^\circ\text{W}$ から $\omega=212^\circ\text{W}$ 迄の観測はその先で、北ではプロポンティスI辺りが濃く見えている。マレ・シレヌムの方がマレ・キムメリウムより濃く見える。然し、10Sept($\lambda=336^\circ\text{Ls}$) $\omega=207^\circ\text{W}$ のMo氏の像ではマレ・キムメリウムが濃い。エリュシウムを挟んでアエテリアの暗斑とプレグラ-ケルベルスが濃く見える。この様子は熊森照明(Km)氏の10Sept($\lambda=336^\circ\text{Ls}$) $\omega=221^\circ\text{W}$ (LRGB)にもきれいに現れ

ている。またMo氏の12Sept($\lambda=337^\circ\text{Ls}$) $\omega=185^\circ\text{W}$ 、 195°W 、 204°W にも伺える。e) アマゾニスの夕方 : Mo氏の7Sept($\lambda=335^\circ\text{Ls}$) $\omega=234^\circ\text{W}$ 、 244°W には夕方のアマゾニスが少々黄色味を帯びて明るく見えており、8Sept($\lambda=335^\circ\text{Ls}$) $\omega=224^\circ\text{W}$ 、 234°W にも痕跡がある。一方、Nj氏が8Sept($\lambda=335^\circ\text{Ls}$)も $\omega=224^\circ\text{W}$ で観測しており、アマゾニスの明るさに言及している。9Sept($\lambda=336^\circ\text{Ls}$)のNj氏&Mnの観測では白っぽい。f) 北極雲 : 北極雲は眼視でも、B像の観測者(JWn氏を除き)には明白である。Mo氏の像に見られるように活動もある。RGh氏は観測数も多く、好い像の功績者だがB像を撮っていないのが残念。

♂.....In the next issue we shall review the observations made during the period from 16 September ($\lambda=339^\circ\text{Ls}$, $\delta=6.2''$) to 15 October 2009 ($\lambda=355^\circ\text{Ls}$, $\delta=7.2''$).

南 政 次・村上 昌己 M MINAMI & M MURAKAMI

Forthcoming 2009/2010 Mars (7)

Ephemeris for the Observations of the 2009/10 Mars. IV

October and November 2009

Masami MURAKAMI 村上 昌己(Mk)

As a sequel to the preceding Ephemeris, we here list the necessary elements of the Ephemeris for the physical observation of Mars from 1 October 2009 to 30 November 2009: The data are listed for every day at 00:00GMT (not TDT). ω and ϕ denote the longitude and latitude of the sub-Earth point respectively. The symbols λ , δ and ι stand for the areocentric longitude of the Sun, the apparent diameter and the phase angle re-

spectively. we also add the column of the Position Angle Π of the axis rotation, measured eastwards from the north point: This is useful to determine the north pole direction from the $p\leftarrow$. The apparent declination of the planet is also given at the final column. The data here are basically based on *The Astronomical Almanac for the Year 2009*.

Date (00:00GMT)	ω	ϕ	λ	δ	ι	Π	D
01 October 2009	077.73°W	11.9°N	346.93°Ls	6.63"	39.6°	-14.6°	+22°26'
02 October 2009	068.10°W	12.1°N	347.45°Ls	6.67"	39.7°	-14.3°	+22°22'
03 October 2009	058.49°W	12.3°N	347.97°Ls	6.70"	39.7°	-13.9°	+22°18'
04 October 2009	048.87°W	12.5°N	348.49°Ls	6.73"	39.7°	-13.6°	+22°14'
05 October 2009	039.26°W	12.7°N	349.01°Ls	6.77"	39.7°	-13.3°	+22°10'
06 October 2009	029.64°W	12.9°N	349.53°Ls	6.80"	39.8°	-12.9°	+22°05'
07 October 2009	020.04°W	13.1°N	350.04°Ls	6.84"	39.8°	-12.6°	+22°01'
08 October 2009	010.43°W	13.3°N	350.56°Ls	6.87"	39.8°	-12.3°	+21°56'
09 October 2009	000.82°W	13.5°N	351.07°Ls	6.91"	39.8°	-11.9°	+21°52'
10 October 2009	351.22°W	13.7°N	351.59°Ls	6.95"	39.8°	-11.6°	+21°46'
11 October 2009	341.62°W	13.8°N	352.10°Ls	6.98"	39.8°	-11.3°	+21°42'
12 October 2009	332.03°W	14.0°N	352.61°Ls	7.02"	39.8°	-11.0°	+21°37'
13 October 2009	322.42°W	14.2°N	353.12°Ls	7.06"	39.8°	-10.6°	+21°32'
14 October 2009	312.83°W	14.4°N	353.63°Ls	7.10"	39.9°	-10.3°	+21°28'
15 October 2009	303.25°W	14.5°N	354.14°Ls	7.13"	39.9°	-10.0°	+21°23'
16 October 2009	293.66°W	14.7°N	354.65°Ls	7.17"	39.9°	-9.7°	+21°18'
17 October 2009	284.08°W	14.9°N	355.16°Ls	7.21"	39.9°	-9.4°	+21°13'
18 October 2009	274.49°W	15.0°N	355.66°Ls	7.26"	39.9°	-9.1°	+21°08'
19 October 2009	264.92°W	15.2°N	356.17°Ls	7.30"	39.8°	-8.7°	+21°03'
20 October 2009	255.34°W	15.4°N	356.67°Ls	7.34"	39.8°	-8.4°	+20°57'
21 October 2009	245.76°W	15.5°N	357.17°Ls	7.39"	39.8°	-8.1°	+20°52'
22 October 2009	236.19°W	15.7°N	357.68°Ls	7.43"	39.8°	-7.8°	+20°47'

Date (00:00GMT)	ω	φ	λ	δ	ι	Π	D
23 October 2009	226.63°W	15.8°N	358.18°Ls	7.48"	39.7°	-7.5°	+20°42'
24 October 2009	217.07°W	16.0°N	358.68°Ls	7.52"	39.7°	-7.2°	+20°37'
25 October 2009	207.50°W	16.1°N	359.18°Ls	7.57"	39.7°	-6.9°	+20°32'
26 October 2009	197.95°W	16.2°N	359.68°Ls	7.62"	39.7°	-6.6°	+20°27'
27 October 2009	188.41°W	16.4°N	000.18°Ls	7.66"	39.6°	-6.3°	+20°21'
28 October 2009	178.86°W	16.5°N	000.68°Ls	7.71"	39.6°	-6.0°	+20°16'
29 October 2009	169.32°W	16.6°N	001.18°Ls	7.76"	39.6°	-5.7°	+20°11'
30 October 2009	159.77°W	16.8°N	001.68°Ls	7.81"	39.5°	-5.4°	+20°06'
31 October 2009	150.23°W	16.9°N	002.17°Ls	7.86"	39.5°	-5.1°	+20°01'
01 November 2009	140.71°W	17.0°N	002.67°Ls	7.91"	39.4°	-4.9°	+19°56'
02 November 2009	131.19°W	17.1°N	003.16°Ls	7.97"	39.3°	-4.6°	+19°51'
03 November 2009	121.66°W	17.3°N	003.66°Ls	8.02"	39.3°	-4.3°	+19°46'
04 November 2009	112.14°W	17.4°N	004.15°Ls	8.08"	39.2°	-4.0°	+19°41'
05 November 2009	102.63°W	17.5°N	004.64°Ls	8.13"	39.1°	-3.8°	+19°36'
06 November 2009	093.13°W	17.6°N	005.13°Ls	8.19"	39.0°	-3.5°	+19°31'
07 November 2009	083.62°W	17.7°N	005.62°Ls	8.25"	38.9°	-3.2°	+19°26'
08 November 2009	074.12°W	17.8°N	006.11°Ls	8.30"	38.8°	-3.0°	+19°21'
09 November 2009	064.63°W	17.9°N	006.60°Ls	8.36"	38.7°	-2.7°	+19°17'
10 November 2009	055.14°W	18.0°N	007.09°Ls	8.42"	38.6°	-2.5°	+19°12'
11 November 2009	045.66°W	18.1°N	007.58°Ls	8.48"	38.5°	-2.2°	+19°08'
12 November 2009	036.18°W	18.2°N	008.06°Ls	8.54"	38.4°	-2.0°	+19°03'
13 November 2009	026.71°W	18.3°N	008.55°Ls	8.60"	38.3°	-1.7°	+18°59'
14 November 2009	017.24°W	18.3°N	009.04°Ls	8.67"	38.2°	-1.5°	+18°54'
15 November 2009	007.79°W	18.4°N	009.52°Ls	8.73"	38.1°	-1.3°	+18°50'
16 November 2009	358.34°W	18.5°N	010.01°Ls	8.80"	37.9°	-1.0°	+18°46'
17 November 2009	348.89°W	18.6°N	010.49°Ls	8.86"	37.8°	-0.8°	+18°42'
18 November 2009	339.46°W	18.6°N	010.97°Ls	8.93"	37.6°	-0.6°	+18°38'
19 November 2009	330.02°W	18.7°N	011.46°Ls	9.00"	37.5°	-0.4°	+18°34'
20 November 2009	320.60°W	18.8°N	011.94°Ls	9.06"	37.3°	-0.2°	+18°30'
21 November 2009	311.18°W	18.8°N	012.42°Ls	9.13"	37.1°	0.1°	+18°27'
22 November 2009	301.77°W	18.9°N	012.90°Ls	9.20"	36.9°	0.3°	+18°23'
23 November 2009	292.37°W	18.9°N	013.38°Ls	9.28"	36.8°	0.5°	+18°20'
24 November 2009	282.97°W	19.0°N	013.86°Ls	9.35"	36.6°	0.6°	+18°17'
25 November 2009	273.59°W	19.0°N	014.34°Ls	9.42"	36.4°	0.8°	+18°14'
26 November 2009	264.21°W	19.1°N	014.82°Ls	9.50"	36.2°	1.0°	+18°11'
27 November 2009	254.85°W	19.1°N	015.30°Ls	9.58"	36.0°	1.2°	+18°08'
28 November 2009	245.49°W	19.2°N	015.77°Ls	9.65"	35.7°	1.4°	+18°06'
29 November 2009	236.13°W	19.2°N	016.25°Ls	9.73"	35.5°	1.5°	+18°03'
30 November 2009	226.79°W	19.2°N	016.72°Ls	9.81"	35.3°	1.7°	+18°01'
01 December 2009	217.46°W	19.3°N	017.20°Ls	9.89"	35.0°	1.8°	+17°59'

便 り

L e t t e r s t o t h e E d i t o r

●.....Subject: 南 政 次様
Received: Mon 24 August 2009前略、朝夕は幾らか涼しくなってきましたが、
その後御体調は如何ですか。小生は日食クルーズ

の疲れが未だ残って居りますが、同行した人達がいへん喜んでくれましたので、一応満足感に浸って居ります。

さて、先日メール致しましたように火星の灰色雲について小生はあまり確たる証拠を持っておりませんが、当時のノートのコピーを同封いたします。どうもお役に立つような記録とは申せませんが……。

今年は2009年、私が火星に出会った1939年から丁度七十年目ですので、今年の内にも一目火星に会いたいものと思っております。

九月のご渡仏も次第に近付いて参りますが、何とぞ無理をせずご自愛されますようお願い申し上げます。以上取り敢えずご連絡まで、

○……Subject: Re: アントニアディとバーナー
Received: Sun 13 Sept 2009 11:44:27 JST

南 政次様、メール頂戴しながらまたまたお返事おくれまして大変失礼いたしました。

目の手術の予定とか。実は私も多年の酷使のせいか右目に黄斑変性とかで眼底出血が起こり春以来注射をしたり、レーザー照射をしたりしておりますがまだ良くなりません。

さて、お尋ねの件、『図説天文講座』の木辺さんの記事は子供のころに熟読しておりましたのはっきりおぼえておりますが、当時は「なるほどそんなものかな」と思っておりました。バーナードといえば当時世界最大の屈折鏡を使えた人ですから当然だろうと思っておりましたが、あとでいろいろな物を読むようになって彼は特に惑星面に興味を持っていた人でもなく、運河論争が盛んだったころなので火星も覗いてみたのかなと思うようになりました。木辺さんが参考になさった種本が何であったか伺ったこともありませんでした。いずれにしても運河反対論者としては、アントニアジを代表的な人物とみるのが当然だと思いますが、彼自身も若いころには線状のカナルを描いていたのは面白いことです。しかし83センチを使えるようになって考えが変わったのは確かなようです。あの望遠鏡は外観しか見ておりませんが、ローウェルの61センチは月と土星を覗きました。色収差の過修正が著しく青っぽい像でしたが、そんなに良像とも感じませんでした。いずれにしても古き良き？時代の名残ですね。

以上お返事にならないような返事ですが……。長旅くれぐれもお大事に。

村山 定男 (Sadao MURAYAMA 東京Tokyo)

●……Subject: IR Jupiter images 19th August
Received: Tue 25 Aug 2009 00:29:27 JST

Hi Guys here are some IR images from the fine seeing here in the UK on the 19th August. The 742nm IR filter responded very well to the low altitude but stable conditions. I have yet to do the colour sets that I took Dave P, but they are in progress now. Best wishes

○……Subject: Jupiter 19th
Received: Tue 25 Aug 2009 18:27:27 JST

Hi Guys, Jupiter imaging in the UK has been a little more rewarding this year as it is now up to around 23

degrees altitude. Nevertheless optimising on detail through all the clagg has been a major quest.

The IR filter does a good job of imaging through the extra atmosphere at low altitudes, it is certainly better than the RGB red. There is a big BUT though, it produces odd effects on the colour balance when used in RGB and the apparent brightness of Jupiter's moons in the red channel if so used. Here are some colour images from the 19th/20th, and they demonstrate this effect quite conclusively. Where the moons are on the planet's disc they are subject to the same rgb settings as the actual planet, and unless you want to do some tricky selection and channel tweaking, they show as more red. White Luminance is the correct one for colour balance, but pointless for planets. Green comes an acceptable second, red and green mixed is not too bad. Red alone as L looks washed out. Ir plus green is odd but gives a pretty sharp L. IR as L gives the sharpest colour image possible at the expense of truth of colours. Tweaking the colours to restore, I find only possible to some degree. best wishes

○……Subject: Last of Jupiter from the 19th Aug
Received: Thu 27 Aug 2009 01:35:33 JST

Hi guys 4 more from the 19th, now for the 20th's.

○……Subject: Jupiter images 20th August
Received: Thu 27 Aug 2009 07:16:25 JST

here are 4 images from the 20th, not such good seeing as the 19th. RRGB with more natural colours than irl irgb, Moon is Io with shadow. Cheers

○……Subject: Jupiter images 21 Aug
Received: Fri 28 Aug 2009 20:28:19 JST

Hi guys, Here are some images from the 21st, seeing just ok, but featuring the Big Central Disturbance.

○……Subject: Jupiter 23 Aug
Received: Sun 30 Aug 2009 06:10:02 JST

Hi Guys, seeing was quite good on the 23rd. The sandy coloured areas at the "BA latitude" seem to be spreading?

○……Subject: Jupiter 24th Aug
Received: Mon 31 Aug 2009 04:23:28 JST

Hi Guys, Here are some GRS longitudes, imaged in poor to fair seeing for the alt'. I think that is the impact site just creeping onto the disc in the last image.

○……Subject: Solar proms 29th Aug
Received: Mon 31 Aug 2009 23:37:39 JST

Hi Guys, Here are a couple of images of the proms on show on the 29th. The 0800 image was a great sight in the eyepiece too. Coronado solarmax 60 ds with straight blocking filter and 3x TV barlow. Best wishes

○……Subject: Solar prom 23rd Aug 2009
Received: Wed 02 Sept 2009 22:58:37 JST

Hi Guys, Here are a couple of images of a nice Prominence on that day. Small one is a single shot image with a Coronado .5A Solarmaxscope DS 60mm. The larger image was with an AP 130@f33 and Daystar .65A H α .

○……Subject: solar Proms 19th-22nd Aug
Received: Thu 03 Sept 2009 17:49:51 JST

Hi Guys, here are a couple of prominences image from 22nd and 19 Aug. The Sun is sort of ticking over, throwing us a bone now and again. Best wishes

○……Subject: solar images 28th & 31st Aug _1st Sept
Received: Fri 04 Sept 2009 05:42:40 JST

Hi Guys, There were a few decent prominences about on these two August days. They were taken with My 60mm double stacked Solarmax 3x barlow and Lumenera LU 075. On the 1st September there was a very small active region, AP 5 inch Starfire and Daystar SS .65A Hybrid. Best wishes

○.....Subject: prom progress
Received: Sun 06 Sept 2009 18:39:09 JST

Hi guys this is shot a day later than the same Prom imaged on the 31st August. Although still a similar shape, the structure is very different. It reminds me of a decaying firework burst, whereas the 31 August image is very much "alive".

○.....Subject: Solar Prom 6th Sep
Received: Mon 07 Sept 2009 17:36:34 JST

Hi Guys, I get a useful preview of what's in store for

the morning, from Monty in Australia at about 1:30 am. I noted this one on his sketch and thought I wonder if it'll still be there by daylight here in UK. Sure enough, there it was, and here it is. Coronado solarmax scope 60mm DS straight blocking filter unit, 3x TV barlow.

cheers and thanks Monty

○.....Subject: solar images 8th Sept;
Received: Thu 10 Sept 2009 17:11:53 JST

Hi Guys here are some the days features, the small but busy active region was throwing up filaments. I read I missed a flare by 5 minutes too. The largest prom was quite faint. Wide field shot was with 60mm Coronado DS .5A Solarmax scope with 3x TV Barlow and straight BF. Closer shots with an AP 130 F8 Starfire and Daystar/SS hybrid .65A. Best wishes

TEN YEARS AGO (169)

---CMO #223 (25 September 1999) pp2595~2610 ---

1999年九月半ばには火星は視赤緯は 23°S と低く、夕方の南西の低空にあり、観測時間は短くなっていた。レポートは十六回目となり、16August (189°Ls)から15September(206°Ls)迄の報告が紹介されている。視直径 δ はこの期間に7.4"に小さくなり、位相角 i は 44° と最大状態が続いていた。傾き ϕ は 8°N となり正面を向けてきた。報告者は、追加も含めて11名となった。レポートには、傾きが浅くなり見え始めた南極冠や、マレ・アキダリウムの淡い見え方についての記述がある。ビヴェール(NBv)氏とパーカー(DPk)氏の追加報告のレビューも見られる。他に、ジム・ベル氏とのやりとり、マッキム(RMk)氏の "The BAA Dust Storms Memoir" 出版のこと、今期中島孝(Nj)氏の観測数などが取り上げられている。

LtEには、M E WASIUTA (USA)は、愛機の画像と共に、他には、N BIVER (France), 頼武揚(Taiwan), S WHITBY (USA), J BELL (USA), D PEACH (UK), G QUARRA (Italy)の外国の諸氏から、D PARKER氏 (USA)からはハリケーン(Floyd)の接近が伝えられている。重久長生氏(神奈川)からは購読終了の申し出、阿久津富夫氏(栃木)からは木星画像、加えて比嘉保信(沖縄)、岩崎徹(福岡)、伊舎堂弘(沖縄)、日岐敏明(長野)、尾代孝哉(和歌山)の各氏からの来信が紹介されている。巻末には、今観測期最後の1999年10月の暦表が掲載されている。

TYA(49)は、CMO#077(25 Sept 1989)からで、20年前の火星は、十月はじめの「合」を控えて太陽に接近中で観測出来なかった。「LtEスペシャル」五回目は、1988年十二月の一ヶ月間に寄せられたお便りがまとめられている。この期間には国内十名から十七通の来信があった。他に1988CMO観測ノート(6)として南氏の「オリュンパス山とアルシア山の異相について」が掲載された。コラム記事には、ヨーロッパでの観測の資料として、南氏による、西ドイツの "Arbeitskreis Planetenbeobachter" (惑星観測者の研究集団)の機関誌である "MfP (Mitteilungen für Planetenbeobachter)" (惑星観測者のための報告誌)からの1988年の火星観測報告の紹介がある。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmo/223/tya049.html>

村上 昌己 (Mk)

ISSN 0917-7388

東亞天文學會『火星通信』since 1986

COMMUNICATIONS IN

MARS

No. 223
25 September 1999

OBSERVATIONS Published by the OAA Mars Section

CMO Mars Report # 16 (1998/99)

○.....火星は、九月半ばで視赤緯 23°S 、最早南西天低く、日没時を過ぎると観測は出来ない。薄明観測も次第に早くなり、秋分過ぎて、夕方6時前になった。足羽山のドーム内には秋の虫の大合唱が響いて耳を驚かす。尤も、相変わらず暑く、九月の真夏日は半年の二倍だそうである。

今回は16Aug(189°Ls)から15Sept(206°Ls)迄の観測に基づく報告である。寄せられた観測数は前号に少なかった。ただ、伊舎堂弘(H)氏が突出して、飛ぶカヴァーされた。前号は九月の後半は大いに離れたようである。南の赤道直上(23、24、25日)の南、新高度(45°)の高、お休みがあるだけである。

今回は200°Ls前後であるから、南極冠は薄く見えている。今は 16°N から 08°N に降りてきたものの観測には充分ではない。更に視直径 δ がこの期間4.5秒角から7.4秒角まで増えた。もう細かい話は後述である。位相角 i は 44° で、これから南緯は快復する。

The planet Mars has been low, and was at declination 23°S in mid-September. Just observable when the Sun sets, and so just around 6 o'clock JST (9:00 GMT) from Japan. Chirping insects in autumn sound now quite noisy around the Fukui City Observatory atop of the hill. It is still hot here.

The present report is based on the observations made during the period from 16 August (189°Ls) to 15 September (206°Ls) 1999.

ISHIADOH at Okunuma enjoyed fine evening skies. He was only away from the scope on the occasion of the Bon Festival for mourning for his father.

The Martian season was around 200°Ls, and the south polar cap must have been on the way of thawing, but it was not easy to detect it because the central latitude ϕ was yet from 16°N to 08°N . The apparent diameter δ went down from 8.5 arcsecs to 7.4 arcsecs. The phase angle i was 44° .

OAA Mars Section

○.....ERRATUM: 前号報告で、阿久津富夫氏の報告データの更新を正確にも忠実に、次のように訂正願います。観測内容については勿論勘検済みで、前号本文では参照している。

In the preceding report we missed to renew the data concerning the observations by T AKUTSU: it should have been read as follows:

AKUTSU, Tomio 阿久津 富夫 (Ak) 栃木・鳥山 Karasuyama, Tochigi, Japan
8 Sets of CCD Images (27, 28, 30, 31 July, 2, 3, 8 August 1999)
f/60x32cm speculum equipped with a Teleris 2

○.....今期『火星通信』へ報告された観測者及び観測状況は次の通りである:

We are thankful to the following observers who directly contributed this period to the CMO:

2 5 9 5

○..... **Subject: Jupiter 9th Sept**
Received: Mon 14 Sept 2009 19:51:35 JST

Hi Guys here are some images from the 9th. Jupiter from my location has lost 2 precious degrees in altitude since the beginning of the apparition i.e. from 24 down to 22. Very sad. Nevertheless, it's still interesting to witness the goings on first hand. When is that surfboard going to stop riding the GRS hollow "wave"?

○..... **Subject: Jupiter 12 Sept**
Received: Mon 14 Sept 2009 20:07:43 JST

Hi Guys, Here are some images from the 12th with ingress of Io Best wishes

○..... **Subject: Jupiter 12th Sept**
Received: Mon 09/14/2009 20:10:30 JST

Hi Guys, now with images attached, Here are some images from the 12th with ingress of Io. Best wishes

○..... **Subject: solar prom 16Sept**
Received: Fri 18 Sept 2009 19:32:16 JST

Hi Guys this prom graced the NW limb on the 16th. Wide view is from a 60mm Double stacked Coronado solarmax telescope and 3x TV Barlow, and for the closer shot, I used a 5inch f/8 AP 4x powermate and Daystar filter. Best wishes

○..... **Subject: Jupiter images 18th Sept**
Received: Mon 21 Sept 2009 07:34:54 JST

Hi Guys, We had another evening of decent seeing in the UK on the 18th. Images climb in alt from 17 to 22deg. We have the GRS and its train of barges. We in UK will be able to image Jupiter just into Jan 2010, when it rockets to 25deg alt., but it will only be 3/4 of its current size. This time next year we will be at 36 deg' alt' and 48 arc secs. Bliss !! Best wishes

○..... **Subject: Sunspot AR1026**
Received: Wed 23 Sept 2009 06:24:23 JST

Hi Guys here are a couple of images of the new sunspot, one in green light and one in Ha. These were hastily grabbed between clouds, so quite lucky to get them.

Best wishes

Dave TYLER (テウァイト・タイラー Bkh 英)
<http://www.david-tyler.com>

●..... **Subject: Jupiter 2009.08.22 & 2009.08.15**
Received: Wed 26 Aug 2009 01:06:17 JST

Dears, Under bad conditions, nonetheless we can guess the impact in 2 parts, the preceding one seems a bit bright in methane:

<http://astrosurf.com/delcroix/images/planches/j20090822-MDe.jpg>
 Moreover, under average conditions, with clouds at the end of the observation, here are the results of my 4th 2009 on August 15th phemu observation: Lightcurve (no minimum time estimation, too difficult due to the shape of the curve):

http://astrosurf.com/delcroix/images/phemu_20090815_1ecl3-MDe.jpg
 An animation of the beginning of the event:

http://astrosurf.com/delcroix/videos/phemu_20090815_1ecl3-MDe.gif

○..... **Subject: 2009.08.17 Io & Europa**
Received: Wed 26 Aug 2009 20:22:51 JST

Dears, That mutual event was interesting because the occultation did not finish before the penumbral phase of the eclipse started, due to the fact that we were close to the Jupiter's opposition. Light curve:

http://astrosurf.com/delcroix/images/phemu_20090817_1occ+ecl2-MDe.jpg
 Animation of the event (each frame of the 100 is the processing of the best 80% 1/8.3s frames out of 144, hence representing around 17,4s):

http://astrosurf.com/delcroix/videos/phemu_20090817_1ecl+occ2-MDe.gif
 I only estimated the magnitude drop and time of the maximum of the occultation (the eclipse part of the curve is nor really readable, might be due to clouds coming in):

- C-O=39s compared to IMCCE predictions

- C-O=-0,04 mag compared to IMCCE predictions

○..... **Subject: Jupiter with Ganymede/Io 2009.08.30**
Received: Tue 01 Sept 2009 20:13:35 JST

Dears, Turbulence was bad except for a few moments while imaging with IR filter, i hence did this general image with Ganymede and Io:

http://astrosurf.com/delcroix/images/jupiter_20090830_ir_2350_3941_ondx2_1_3_1-5_9_15_2_lev.jpg

Impact is setting, dark in large wavelengths and bright in methane absorption band. Despite the conditions, a dark detail is visible on Ganymede, Perinne Regio, which was captured on different images with different filters:

<http://astrosurf.com/delcroix/images/planches/j20090830-MDe.jpg>

○..... **Subject: Jupiter 2009.09.04/05 (with Io transit)/06**
Received: Tue 15 Sept 2009 20:23:10 JST

Dears, The best of the 3 days session, with Io transiting, under average conditions from UV to IR 1 μ m:

<http://astrosurf.com/delcroix/images/planches/j20090905-MDe.jpg>

Two others sessions results under bad conditions:

<http://astrosurf.com/delcroix/images/planches/j20090904-MDe.jpg>

<http://astrosurf.com/delcroix/images/planches/j20090906-MDe.jpg>

Clear skies,

Marc DELCROIX (マルク・デルクロア Tournefeuille法)

●..... **Subject: Jupiter images, 18 august 2009**
Received: Thu 27 Aug 2009 04:33:06 JST

Hello, Some images of the BA longitudes :

<http://www.astrosurf.com/pellier/J090818a-CPE> (RGB, R)

<http://www.astrosurf.com/pellier/J090818b-CPE>

(IR, violet, UV). Two things of interest :

1) The SEBn looks troncated near the p.limb. Chris Go remarked a very bright EZ at this location - I suppose that there must be any kind of EZ wave here.

2) Among all the anticyclonic ovals visible in the s.hemisphere (4 levels, only misses the GRS !), the highest one (at 59°S, where is it, S5TB or SPR ?) is invisible in violet light (at least at this level of resolution) and so it must be red/brown like BA...

○..... **Subject: Mars images - 30 august 2009**
Received: Mon 31 Aug 2009 00:01:12 JST

Hello, Seeing was good this morning, but the planet is still small. I have tried to get a violet light image with the W47 - hopefully I will get them on a regular basis.

<http://www.astrosurf.com/pellier/M090830-CPE>

These are the longitudes of Solis Lacus. No dust storm is seen, but the winter-time NPH is well visible, as the north pole of the planet is now tilted toward us. Regards

○..... **Subject: Jupiter images 29/30 august 2009**
Received: Thu 03 Sept 2009 04:37:32 JST

Hi all, Some images under common seeing.

http://www.astrosurf.com/pellier/J090829_30a-CPE

(RGB, B)

http://www.astrosurf.com/pellier/J090829_30b-CPE

(IR, Violet, UV).

The interruption of the SEBn in the short wavelengths is the suspected EZ wave. Note a probable artefact in the SEB on the third RGB image - that "red barge" does only appear in the G frame of that image, and I didn't see it in any other images taken by some of you all. I have no idea of how it came there, although I should suspect an unwanted technical transformation of the reddish belt... Best wishes

○.....**Subject: Re: Jupiter images 29/30 august 2009**
Received: Fri 04 Sept 2009 03:19:21 JST

Silvia and Don, Thanks for your opinion. I don't know if this is really a barge or merely an enhanced portion of the thin red "belt" observed there. Still, it looks more prominent in my image and so somewhat exaggerated... Nice observations to you all !

○.....**Subject: Mars, 6th sept - very bright Chryse**
Received: Sun 06 Sept 2009 21:48:58 JST

Hi guys, Good seeing this morning although low transparency.

<http://www.astrosurf.com/pellier/M090906-CPE>

I'm the first one to warn people about the risk of confusing Chryse with a dust storm, however, it's quite intense here... burnt in near IR, and still contrasted in green light (G is interesting to contrast dust). The THEMIS detected some nice dust activity on the n. polar regions of Mars on the very last days, so it could be a cross-equatorial storm - or just my eyes;) I hope that some of you will send some more images to confirm this or not. Best wishes

○.....**Subject: Jupiter images**
Received: Thu 10 Sept 2009 02:26:25 JST

Hi all, Some correct seeing at the beginning.
<http://www.astrosurf.com/pellier/J090905a-CPE> (RGB, R)
<http://www.astrosurf.com/pellier/J090905b-CPE>
(IR, Violet, UV). Best wishes

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

●.....**Subject: Jupiter 2009 August 12**
Received: Fri 28 Aug 2009 07:47:37 JST

A large set of images from good conditions this night. Io and its shadow in transit in the later images. I occasionally see in my images what look like lines of features along great circles in Jupiter's atmosphere, and here they are again, particularly in the IR images, where there seems to be an alignment of features on a line of longitude to the f side in the early images, which moves round later. It seems unlikely this is physical, but I wonder why it occurs - Just coincidence? Perception? Something to do with processing? Same images:

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-12RGB-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-12I-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-12R-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-12G-DLA.jpg>

<http://www.davidarditti.co.uk/astro/images/jupiter/09/jup2009-08-12B-DLA.jpg>

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

●.....**Subject: Jupiter 29 August**
Received: Mon 31 Aug 2009 08:45:15 JST

Hi All, I have attached four Jupiter images from 29 August: two RGBs, a CH4, and a UV. The Bird Strike continues to spread out and fragment. Best,

○.....**Subject: Jupiter 31 August**
Received: Thu 03 Sept 2009 13:29:23 JST

Hi All, I have attached four Jupiter images from 31 August: 2 RGB, one CH4, and one UV. Best,

○.....**Subject: Re: Jupiter images 29/30 august 2009**
Received: Thu 03 Sept 2009 14:10:41 JST

Hi Silvia, Christophe and All, I agree with Silvia -- the faint barge also appears in my 31 August images:

http://groups.yahoo.com/group/ALPO_Jupiter/photos/album/729589922/pic/list

It appears as a delicate condensation on the red streak joining the two prominent barges. Best,

○.....**Subject: Correction 31 August UV image**
Received: Sat 05 Sept 2009 06:48:27 JST

Hi All, I mistakenly submitted the wrong UV image for 31 August. I have attached the correct one. Sorry!

○.....**Subject: Jupiter 5 Sept.**
Received: Tue 08 Sept 2009 13:34:27 JST

Hi All, I have attached an RGB and a CH4 image from 5 September. The seeing was poor, due to what seems like an unending procession of tropical waves. Best,

Don PARKER (ドン・パーカー Miami FL 美)

●.....**Subject: Re: 2001年の黄雲写真プリント**
Received: Mon 31 Aug 2009 22:39:46 JST

メール有難うございます。やっと22日から26日の処理が終わりましたのでお送りします。『火星通信』は本日届きました。有難うございます。

・扱って、私は14日に三国を出発するのですが、バリカムードンでの茶話会などに機会があれば貴君の2001年七月はじめの連続写真のプリントを見せて議論をしようと思うのです。
・ただ、私の頂いているプリントが見つかりません。もし更にお持ちでしたら二三部送っていただけませんか。希望者には差し上げてきます。

2001年の画像は今から探して印刷しようと思っています。もうしばらくお待ちください。パリに行かれるのはいいですね。羨ましいです。

○.....**Subject: Mo 31 Aug, 01 Sep, 02 Sep_09**
Received: Sun 06 Sept 2009 02:58:09 JST

遅れて申し訳ありません。出来ましたのでお送りします。これ以降は、起きてはいますが天候不良で撮れていません。

○.....**Subject: Re: 2001年の黄雲写真プリント**
Received: Tue 08 Aug 2009

いつもお世話になって居ります。メールでご依頼の画像プリントを同封でお送り致します。...

こちらは最近、朝になると曇ってしまい、なかなか撮れません。Seeingも今一つでRGBN700枚ぐらい撮ってその中の300枚ほどを合成しています。

今は相続の問題やら、新しい診療所の問題などが山積し、なかなか時間が取れず御迷惑をお掛けしています。出来るだけ早め早めに処理してお送りしたいと思っています。

お身体は大丈夫でしょうか。あまり無理をせず観測していただきたいと思います。またご指導の程お願い致します。
(6月9日2009)

○.....**Subject: Re: Mo 06 07 Sep_09**
Received: Wed 09 Sept 2009 00:37:52 JST

メール有難うございます。では、カラー像はよ

ろいのでしょうか？今なら印刷して送ればまだ間に合いそうですが…

07Septの像に黄雲が見られるようなので早めに処理して送ります。

○……Subject: *Mo 08 Sep 09*
Received: *Thu 10 Sept 2009 01:03:59 JST*

大忙しで処理して送ります。よろしくお願ひします。

○……Subject: *Mo 10 Sep*
Received: *Sat 12 Sept 2009 00:22:41 JST*

10Sepをお送りします。09も撮りましたがぼやぼやで、報告はあきらめ、10日のみにします。

今日もSeeingはますますでしたが雲にさえぎられ時間どおりに撮れませんでした。

○……Subject: *Mo 12 Sep 09*
Received: *Sun 13 Sept 2009 19:31:43 JST*

12Sepをお送りします。Seeingは悪く、2/10～4/10。後になるほど良くなりしました。眼視ではほとんどぼやぼやでした。ωをそろえたつもりでしたが、1度ずれてしまいました。

○……Subject: *Mo*
Received: *Fri 18 Sept 2009 00:24:52 JST*

16Sepをお送りします。その他、13、15と撮ってはいますが時間がありません。Seeingは良くなり、詳細はわかりません。13、15ともに同じような画像です。模様も少ないところですが…

○……Subject: *Mo*
Received: *Sat 19 Sept 2009 23:51:22 JST*

18日の画像をお送りします。Seeingはますます悪化しています。透明度は良く、冬の星座が美しく瞬いていますが、時間がたつと筒内気流もおさまり少しは改善されます。

○……Subject: *Mo 19 Sep 09*
Received: *Sun 20 Sept 2009 21:31:53 JST*

今朝の火星をお送りします。相変わらずSeeingは良くなりほとんどぼやぼや状態です。処理も薄めになっているせいかあまり模様が出ません。最初のころに戻ってソリス・ラクスあたりが見え始めました。

○……Subject: *Mo 20 Sep 09*
Received: *Mon 21 Sept 2009 23:35:30 JST*

今朝は比較的Seeingも良く、雲は多めですが久しぶりにまともな像になりました。前日の像は、処理しても表面模様はあまり濃くなりませんでした。今回は少しは良いものとなったと思います。天気は崩れる前はやはりSeeingが良いようです。

森田 行雄 (Yukio MORITA 廿日市 Hiroshima)

●……Subject: *Jupiter J090830*
Received: *Tue 01 Sept 2009 20:02:45 JST*

C14-JP赤道儀のモータードライブコントロールボックスが壊れてしまい、現在修理中で、使えません。C8でも結構、画像は得られます。

○……Subject: *Jupiter J090914*
Received: *Tue 15 Sept 2009 17:58:41 JST*

WOSはEVSにあるのがそのようです。熊森さんの9月2日にはGRSの北側のSEBnのあるのがそうと思っています。GRSは予想どおり、赤みが8月よりも強くなりました。

○……Subject: *Jupiter J090916*
Received: *Thu 17 Sept 2009 18:18:18 JST*

気流は悪く、像が地上の空気の影響でめらめら、動いていた。350°(II)以降のNEBが幅が拡張されている様に思われます。

○……Subject: *Jupiter J090917*
Received: *Fri 18 Sept 2009 19:26:53 JST*

昨夜の木星画像です。

○……Subject: *Jupiter J090919*
Received: *Sun 20 Sept 2009 11:14:48 JST*

メタンバンドではSEDが分かります。II=30°位です。カラーでは周りよりやや明るく不明瞭です。

阿久津 富夫 (Tomio AKUTSU セブThe Philippines)

●……Subject: *IWCMO Scientific program*
Received: *Wed 02 Sept 2009 02:16:46 JST*

Dear all, You will find attached here or on the following link:

http://www.wusr2.obspm.fr/~biver/IWCMO/iwcmo_finalpgm.txt

This is a preliminary version of the program of the IWCMO meeting - based on what Bill Sheehan (thanks!) provided us and other abstracts I received. This version is still preliminary and needs to be validated by the speakers: Let me know if something has to be changed:

- Title of the talk /
- Talk to change / remove / add
- Time of the talk and duration
- Organisation of the sessions, title of sessions, ...

We still have margins in time and both in number of participants. The sooner we release the program, the more likely we can get more people participating. Thanks,

○……Subject: *Final announcement of IWCMO*
Received: *Wed 09 Sept 2009 01:08:00 JST*

Dear all, You will find on the web page:

<http://www.wusr2.obspm.fr/~biver/IWCMO/>

The final announcement of the meeting and the program: http://www.wusr2.obspm.fr/~biver/IWCMO/iwcmo_finalpgm.txt

Do not hesitate to check regularly the program as some small modifications can still occur. For all the participants, we will welcome you on the Thursday evening at the Paris Observatory: Please enter by the Avenue Denfert-Rochereau (number 77) where instructions will be given to get to the Salle du Conseil ("registration" starting at 4pm) and Salle Cassini for the Reception at 6pm, both in the historical "Perrault" Building.

Do not hesitate to contact me if you have further inquiries, and for those not registered but who once said they interested in the meeting, they can still register but only until tomorrow! Sincerely,

Nicolas BIVER (ニコラ・ビヴァール Meudon 法)

●……Subject: *Mars 24.26.27.31. Aug and 1. Sept*
Received: *Wed 02 Sept 2009 03:02:50 JST*

Dear Masatsugu, here the images of the last week. Nice ist the eye of mars on 1.9.09. With best wishes

○……Subject: *Mars 4.9.09*
Received: *Fri 04 Sept 2009 20:32:56 JST*

Dear Masatsugu, i send you my image of mars from 4. September 2009. Seeing was poor and wind ist actually very strong in the northern of germany. With best wishes

○……Subject: *Mars 7.9.2009*
Received: *Tue 08 Sept 2009 00:42:15 JST*

Dear Masatsugu, here comes the image from 9. September 2009. With best wishes

○.....*Subject: Mars, 8.9.2009*
Received: Tue 08 Sept 2009 18:38:15 JST

Dear Masatsugu, here the image from 8. September 2009. With best wishes

○.....*Subject: Mars 9.9.2009*
Received: Thu 10 Sept 2009 03:25:36 JST

Dear Masatsugu, here the image from 9. September 2009. With best wishes

○.....*Subject: Mars 17.9.2009*
Received: Fri 18 Sept 2009 02:10:48 JST

Dear Masatsugu, after some cloudy days, here comes Mars at 17. September 2009. With best wishes

○.....*Subject: Mars 18. + 19. 9.2009*
Received: Sun 20 Sept 2009 02:20:10 JST

Dear Masatsugu, here comes Mars from 18. and 19. September. With best wishes

○.....*Subject: Mars 18.9.09, Colour version*
Received: Sun 20 Sept 2009 22:48:39 JST

Dear Masatsugu, on 18th September, i recorded three colour channels too. So i could make an LRGB-image, with 50% IR as luminance (see attachement).

With best wishes

○.....*Subject: Mars 22.9.2009*
Received: Wed 23 Sept 2009 06:51:12 JST

Dear Masatsugu, here are some images from 22. September 2009. With best wishes

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

●.....*Subject: 木星観望会中止*
Received: Wed 02 Sept 2009 17:30:29 JST

南様、「七タと木星と歌のタベ」はありがとうございました。本日、松濱先生が、機材などを引き取りに来られました。当方としては、機材から伴奏者まで御手配いただき、本当に助かりました。

ところで、本題ですが、次回、9月11日、12日予定の「木星観望会」は臨時中止といたします。天文台へ階段の最後の踊り場の天井の漆喰が(劣化により)剥がれ落ち、現在、立ち入り禁止措置としております。修繕については、直ちに動いておりますが、そこだけ吹きつけて終了・・・では済ませられないようです。10月の観望会については、なるべく実施できるように修繕を急がせます。以上取り急ぎご連絡申し上げます。

梅田 美由紀 (Miyuki UMEDA
 福井市自然史博物館 Fukui)

●.....*Subject: Jupiter 9/2*
Received: Thu 03 Sept 2009 00:40:54 JST

Fair to good seeing last night. The "red spot" in the north seems to have intensified.

○.....*Subject: Mars 9/2*
Received: Thu 03 Sept 2009 02:16:19 JST

Similar conditions for Mars this morning as Jupiter was earlier in the evening; fair seeing. Perhaps a bit of dust over Amazonis.

○.....*Subject: RE: Jupiter 31 August*
Received: Thu 03 Sept 2009 22:12:03 JST

Attached is one RGB series of Jupiter captured last night. Interesting turbulence in the NTB.

○.....*Subject: Jupiter Sep 3 (was Jupiter 31 August)*
Received: Thu 03 Sept 2009 22:25:27 JST

Sorry, forgot to change the subject line! The image was captured last night. Attached is one RGB series of Jupiter captured last night. Interesting turbulence in the NTB.

○.....*Subject: Mars 21 Sept.*
Received: Tue 22 Sept 2009 00:49:11 JST

Fair to good conditions this morning; nothing out of the ordinary to note.

Sean WALKER (ショーン・ウォーカー S&T 美)

●.....*Subject: Re: Jupiter images 29/30 august 2009*
Received: Thu 03 Sept 2009 06:56:35 JST

Hi Christophe, hi all,

> Note a probable artefact in the SEB on the third RGB image - that "red
 > barge" does only appear in the G frame of that image, and I didn't see
 > it in any other images taken by some of you all. I have no idea of how
 > it came there, although I should suspect an unwanted technical
 > transformation of the reddish belt...

I think, it is no artefact, because I also got this barge in some of my own images, but only in the very sharpest. This barge is very faint... . In my images from 30/31 Juli it is also seen (3:03, 3:35 Uhr MESZ)...

<http://www.sternwarte-zollern-alb.de/beobachtungen/jupiterimpact/index2.htm>

Cheers

Silvia KOWOLLIK

(シルヴァ・コウオリク Ludwigsburg 徳)

●.....*Subject: Mars Sketch 5 September 2009*
Received: Mon 07 Sept 2009 22:27:50 JST

Sirs: Please find attached for your consideration my first Mars sketch for this apparition. Mars is very small but I was able to see a little bit of detail. Notes and other information are on the sketch. Thank you,

Michael ROSOLINA (マイク・ロゾリーナ WV 美)

●.....*Subject: (no subject)*
Received: Wed 09 Sept 2009 00:28:08 JST

Hi, this is my sketch from 8 september. greetings,

Date: 08/09/09, Time: 03h45 UT, observer: Kris Smet, location: Bornem, Belgium, instrument: 12" f/5 dobson, magnification: 375x, seeing: poor, filters: red, green and blue were used.

Kris SMET (クリス・スмет Belgium 比利时)

●.....*Subject: IWC MO*
Received: Sun 13 Sept 2009 05:42:51 JST

Dear Masatsugu, On Monday, we had the last meeting of the Local Organizing Committee for the IWC MO workshop. Presently, everything is OK. About 25 participants with 5 accompanying persons have registered, but it is still possible to do it at the reduced price of 70€.

I am happy to know that you will be present with your wife. Anyway, I regret that other Japanese members of CMO, and especially Murakami-san, did not register yet, maybe because they are not willing to go to a foreign country now. If he has some opportunity to come, I will greet him at the airport, and he can stay with his wife in our house in Montgeron. Also, if you have some time before or after the meeting, Yoko and I will be happy to show you interesting places in Paris and around, and in particular our little observatory at the top of Sorbonne University.

In June, I was elected Secrétaire Général of Société Astronomique de France for one more year. This summer, I spent four days at the Valdrôme star-party and just after two weeks in Poland with Yoko. Presently, we are awaiting for your arrival.

With best wishes for all of you.

○.....**Subject: Re: IWC MO**
Received: Mon 21 Sept 2009 18:56:00 JST

Dear Mastsugu, I am sorry that some aspects of the organization of the meeting, in particular concerning Juvisy, were rather tiring, and that I finally could not come for the last day. I hope that Nicolas Biver could do better for you at that time, and that you did not have a too bad impression concerning the present condition of the French observatories.

Concerning tomorrow, it seems that we will have good weather conditions. If you find it convenient, we can proceed as follows: ... We invite you to a restaurant in Quartier Latin early in the evening and we go to Sorbonne observatory just after dinner. Of course, we would be happy to take you to other places if you have enough time and if your condition is good enough. You can answer by e-mail, or call us on 01 69 52 01 94, so that we fix the meeting time and place. With best wishes.

Francis OGER (フランス・オジェ SAF 法)

●.....**Subject: Mars-2009-09-**
Received: Mon 14 Sept 2009 12:24:37 JST

南 政次 様、熊森照明です。今シーズン最初の火星画像です。火星の赤緯が高いので、ベランダからは隣との隙間の一瞬しか見えません。継続的に撮影するのは、今シーズンも難しいところです。よろしくお願いいたします。

熊森 照明 (Teruaki KUMAMORI 堺 Osaka)

●.....**Subject: Jupiter and Callisto Close Approach**
Received: Tue 15 Sept 2009 15:57:41 JST

Hi all, This animation has been a long time coming. Back on the 5th July 2009, Ganymede and Callisto had a close approach - no occultation unfortunately, but it was still great to see them so close together. Ganymede, at 5,200km diameter (1.7 arcseconds) and Callisto at 4,800 km diameter (1.6 arcseconds) are both over 635 million km away. The seeing was only just above average, but both moons show consistent albedo features throughout many frames of the animation. The animation covers just over 2 hours of elapsed time. View the image and animation here:

<http://www.mikesalway.com.au/2009/09/15/ganymede-and-callisto-close-approach-animation>

Thanks for looking.

Mike SALWAY (マイク・ソルウェイ NSW 澳)

●.....**Subject: Sept 12th Mars Images**
Received: Wed 16 Sept 2009 05:01:59 JST

Hi, Please see below and use on your site..Sincerely,

Jim MELKA (ジム・メルカ St Louis MO 美)

●.....**Subject: Mars images 20 september 2009**
Received: Mon 21 Sept 2009 05:32:05 JST

Dear Sirs, Please find attached my Mars images from

this morning. The images were taken with a Celestron 14" SCT telescope with 2" barlow lens with DMK 31AF03 camera. All color bands were imaged through photometric BVRI filters. The first image is an LRGB image with infrared I-band as Luminance. The second image is an I-band image. If useful, I can send the images in 16-bit TIFF format, but reduced to 8-bit JPEG for your website. Best Regards,

Tom ALDERWEIRELDT

(トム・アルデルウエイレルト Belgium 比利时)

●.....**Subject: Jupiter Imaging Campaign 2009**
Received: Tue 22 Sept 2009 05:07:30 JST

Hi all, Just a note to say all the high resolution imagery i obtained over the last three weeks will be appearing on this page:

<http://www.damianpeach.com/barbados09.htm>

There are currently some preliminary images available, but many more sets will appear in due course.

Many thanks

Damian PEACH (デミアン・ピーチ Bkh 英)

●.....**Subject: Mars Images. Aug 26, 2009 & Sept 20, 2009**
Received: Tue 22 Sept 2009 13:33:36 JST

Gentlemen, Welcome back to another season of Mars imaging. Attached are images from August 26 and September 20. Regards,

Peter GORCZYNSKI (ピート・ゴルチンスキ CT 美)

●.....**Subject: Jupiter from Barbados ...**
Received: Tue 22 Sept 2009 17:26:05 JST

Hi all, Here are six more images from the recent Barbados 2009 Jupiter Imaging trip, I will be releasing more very soon as I am now getting on top of the vast amount of processing! I have concentrated this time on the area where the GRS is just coming on from about CM2=075 to CM2=102 (the GRS being at CM2=138). I have three separate days of good, consistent images of this area that nicely show-up the changes going on especially in the NEB. I have presented two images for each day, more details on the web page. All the images are on this web page - please click on any image to see a larger version.

<http://www.astro-sharp.com/jupiter2009barbados1.asp>

Best Regards

Ian SHARP (イアン・シャープ WS 英)

●.....**Subject: Re: Sunspot AR1026**
Received: Wed 23 Sept 2009 08:10:53 JST

Great shots Dave. I was fortunate enough to have very clear skies for a large part of the day. Here's a reduced summary of the eastern activity today, together with an image of a new AR that appeared rather suddenly. This new region, presumably AR11027, looks quite active and is showing a number of small white light spots.

Best regards

Pete LAWRENCE (ピート・ローレンス Selsey 英)

<http://www.digitalsky.org.uk>

☆☆☆

◆**巴里・模様**◆ 法國には縁がある方ではないし、巴里も數十年前に彷徨^{うろつ}ただけで、馴染みの處もないし、比較も出来ないのだが、今現實に巴

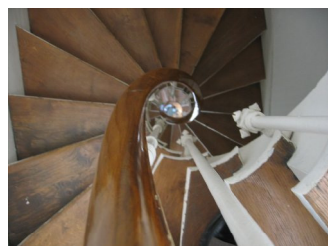


里に居ると此處は杜撰な處だという印象を持つ。◆例えばSNCFのRERのC線は二階建ての列車を走らせているが、乗車・下車の際、相當神経を働かせないと線路に落ちこちる危険のある場合がある。私は靴擦れが嫌いなので緩めの靴を履いているが、抜け落ちたらと心配であった。



二段式に降りるのだが、隙間が怖いので、跳んで危うく轉けそうになったこともある。そうかと思うとプラ

ットホームの方が高いという例にも出會した。設計がどうなっているのか知らないが、検査の手抜き^{でくわ}の様にも思える。バリアフリーからはほど遠い。



◆站名が大きくハッキリしているのは結構だが、入ってくる列車が何處行きかは、相當熟練しないと判らない。地下鐵道は交差したりして居る譯だ

から、餘程丁寧に乗り換えを誘導しなければ、初

心者は迷うばかりである。靴跡が描いてあつて

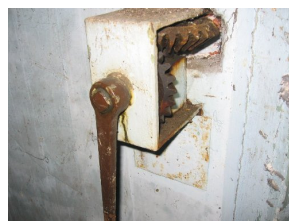


RER(B)とあつても途中で消えていたりしては笑えない。巴里の様に観光客が多い處としては親切とは思えない。

◆オランジュリーは前は工事中で、今回初めて行った。美事で採光など好く設計もされている。綺麗でもあり管理好くもされているのだろう。世界に冠たるモネを持つ國としての誇りでもあろう。然し、こうした遺産を隈無く保存してるかといえそうでもないらしい。観光収入一番の考えではなかろうが、何となく官僚支配の感じがする。この國は獵官の國であるかもしれないな、と思う。



◆フラマリオンの館に踏み込んだ人なら、誰しも此のギャップに驚かざるを得ないだろう。杜撰な官僚支配は何處にもあるが、法國人は慣れ



っこになって、フラマリオンだけでなく、オランジュリーの存在すら知らないのではなかろうかと思ってしまう。

(Mn@Paris)

シー・エム・オー・フクイ

中島 孝 Nj

★前号報告以降 松本 達二郎様(426)よりご寄付を頂戴しました。有り難うございました。不一
★前号は8月27日に印刷・丁合し、海外は郵便で即日、国内は翌日クロネコで発送しました。藤沢(Mk氏)、横浜(Tsさん)には30日、廿日市(Mo氏)、宗像(As氏)には31日に配達された様です。不一

☆ Kasei-Tsushin CMO (http://www.hida.kyoto-u.ac.jp/~cmo/cmo/oaa_mars.html)

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