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Based on the submitted data to the CMO we deal this time with the observations made during the period from *16 April 2010 (λ=078°Ls) to 15 May 2010 (λ=091°Ls)* in which the apparent diameter δ went down from δ=8.2" to 6.6". The central latitude of the disc φ went up from 16°N to 20°N; this implies it will further go up (northwards) hereafter. The phase angle ι was from 36° to a maximal 38°. The apparent declination D went down from 21°N to 16.75°N.

♂····· 今回は報告されたものの内16Aprilから15Mayまでの一ヶ月間の観測を扱う。この間火星の季節はλ=078°Lsからλ=091°Lsまで推移し、視直径δはδ=8.2"から6.6"まで縮小した。眼視ではもう限界に近くなっている。中央緯度φは16°Nから20°Nに上がった。今後更に北を向く。位相角ιは36°から(四捨五入して)38°になったが、五月の中旬が最大であった。以後欠けは少なくなって行く。視赤緯Dは21°Nから16.75°Nまで落ちてきた。

♂····· We received the following observations this period: 今回拝受の報告は次の通りである。

ABEL, Paul G ポール・エーベル (*PAb*) 英国 Leicester, UK

2 *Colour* Drawings (20, 26 April 2010) 310×20cm speculum

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

5 Sets of *RGB* + 5 *IR* Images (24, 30 April; 1, 3, 9 May 2010) 36cm SCT @*f*/36, 55 with a DMK21AU04

AMADORI, Vittorio ヴィットリオ・アマドリ (*VAm*) イタリヤ Soiano del Lago, Italia

2 Sets of *RGB* Images (18 April 2010) 27cm speculum with a Vesta Pro

DELCROIX, Marc マルク・デルクロア (*MDc*) フランス Tournefeuille, France

2 Sets of *RGB* Images (16, 24 April 2010) 25cm SCT @*f*/46, 58 with SKYnyx 2-0M

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

4 Sets of *RGB* +1 *Int* + 3 *IR* Images (17, 22, 24 April 2010) 32cm speculum @*f*/43, 45 with a DMK21AF04

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

11 *Colour* Images (16, 19, 21, 22, 26, 30 April; 1, 4, 9, 11, 15 May 2010) 28cm SCT @*f*/37 with a DMK21AU04.AS

HERNANDEZ, Carlos E カーロス・ヘルナンデス (*CHr*) フロリダ Miami, FL, USA

1 Set of *Colour* Drawings (4 May 2010) 290, 390×23cm Maksutov-Cassegrain

HILL, Richard リチャード・ヒル (*RHl*) アリゾナ Tucson, AZ, USA

1 *Colour* Image (28 April 2010) 36cm SCT with an SPC900NC

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

6 Sets of Drawings (17, 23, 24 April; 6[$1], 9[$2] 15 May 2010)
235~315×15cm Refractor, 257×20cm Catadioptric[$1], 285×20cm Cassegrain[$2]

MELILLO, Frank J フランク・メリッロ (*FMl*) ニューヨーク Holtsville, NY, USA

2 *Colour* Images (20, 21 April 2010) 25cm SCT with a ToUcam pro II

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

36 Drawings (17, 24, 25 April; 2, 7, 9, 14 May 2010) 400, 600×20cm Goto ED refractor*

MORALES RIVERA, Efrain
エフライン・モラレス=リベラ (*EMr*) プエルトリコ Aguadilla, Puerto Rico

5 Sets of *RGB* Images (19, 27 April; 2, 6, 11 May 2010) 31cm SCT with a DMK21AF04

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

12 Sets of *RGB* + 12 *LRGB Colour* +12 *L* Images (17, 25, 30 April; 4, 8, 14, 15 May 2010)
25cm speculum @*f*/85~90 with a Lu-075M

MURAKAMI, Masami 村上 昌己 (*Mk*) 藤澤 Fujisawa, Kanagawa, Japan

6 Drawings (1, 12 May 2010) 400×20cm *F*/8 speculum

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

18 Drawings (17, 24, 25 April; 2, 7, 9, 14 May 2010) 400×20cm Goto ED refractor*

PARKER, Donald C ドン・パーカー (*DPk*) フロリダ Miami, FL, USA

3 Sets of *RGB* + 1 *UV* Images (22, 28 April; 5 May 2010)
41cm speculum @*f*/47 with a SKYnyx 2-0M

PEACH, Damian A デミアン・ピーチ (*DPc*) 英国 Maidenhead, Berkshire, UK

16 Sets of RGB *Colour* Images (16, 17, 20, 26, 27 April; 3, 4, 11, 12, 15 May 2010)
36cm SCT with a SKYnyx 2-0M

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

3 *Colour* Drawings (16, 23 April 2010) 375, 416×30cm Dobsonian

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

♂・・・・・**A) *Hellas*:** At Fukui, NAKAJIMA (*Nj*) and one of us (*Mn*) chased Hellas on 17 Apr (λ=079°Ls) from around ω=254°W to ω=288°W: At the morning side it was rather shadowy but at around ω=283°W its southern part was really bright. PEACH (*DPc*)'s images on 20 Apr (λ=080°Ls) at ω=315°W was taken after the CM and ϕ=17°N: Hellas did not show the whole aspect, but looks interesting because the east end shows a bright spot; the image showing a large haze. The bright spot is also shown in DELCROIX (*MDc*)'s images on 24 Apr (λ=082°Ls) at ω=293°W. As Hellas comes to the evening limb the bright part looks elongated or large perhaps because it is joined with a limb haze. *DPc*'s images on 16 Apr (λ=078°Ls) at ω=345°W, 351°W, 357°W and on 17 Apr (λ=079°Ls) at ω=341°W(345°W), 351°W show well this phenomenon, and on GERSTHEIMER (*RGh*)'s images on 17 Apr (λ=079°Ls) at ω=334°W (see especially B) the evening Hellas goes well down northwards. AMADORI (*VAm*)'s images on 18 Apr (λ=079°Ls) at ω=336°W, 341°W also show the fact. PARKER (*DPk*)'s images on 28 Apr (λ=083°Ls) at ω=330°W whose angle is similar to that of *RGh* and *VAm* also show a brighter part at the northern part. Incidentally HILL (*RHl*)'s image later of the day at ω=353°W further shows the downward Hellas joined with the evening haze. However MORALES (*EMr*)'s images on 27 Apr (λ=083°Ls) at ω=333°W do not show explicitly, and his images on 2 May (λ=085°Ls) at ω=304°W, though quite inside, show more hazy Hellas strongly to the southward. Hellas was observed frequently by visual observers (other than *Nj* and *Mn*). MAKSYMOWICZ (*SMk*) depicted Hellas light on 17 Apr (λ=079°Ls) at ω=359°W, ABEL (*PAb*) wrote it white in the evening on 20 Apr (λ=080°Ls) at ω=334°W, SMET (*KSm*) also described it whitish on 23 Apr (λ=082°Ls) at ω=324°W. *PAb* showed it on 26 Apr (λ=083°Ls) at ω=302°W near the CM largely whitish. One round after,

another of us (*Mk*) observed on 12 May (λ=090°Ls) at ω=340°W, 349°W, 359°W that the bright Hellas gradually approached the evening limb but separated it from the limb haze. On 14 May (λ=091°Ls) at ω=303°W, *Mn* at Fukui saw a bright Hellas near the CM, and subsequently *Mo* shot the bright Hellas at ω=318°W, 324°W near the evening side. On 15 May (λ=091°Ls) also *Mo* caught the bright Hellas at ω=313°W. Already Hellas must have been near the VA state. **B) *Argyre*:** *DPk* put forward an excellent image set on 22 Apr (λ=081°Ls) at ω=045°W but Argyre is no more seen. ϕ=17°N. **C) *EBM*:** On 24 Apr (λ=082°Ls) at ω=293°W, *MDc*'s B image shows a rather whitish mist at the equatorial band and it rather concealed Syrtis Mj though it is near the CM so that Syrtis Mj looks rather bluish in the colour composite (while we note his B image on 16 Apr (λ=078°Ls) at ω=018°W shows a whitish disc so that its colour composite is queer: the B should be generally shadowy because the Martian surface does not emit the blue light). *DPc*'s image set on 20 Apr (λ=080°Ls) at ω=315°W shows also the ebm which conceals Syrtis Mj but the morning Syrtis Mj was not so conspicuously bluish (natural). *DPk*'s B image on 5 May (λ=086°Ls) at ω=256°W describes a strong ebm especially at the morning side so that the morning Syrtis Mj is very unknown. On B the southern part of the southern hemisphere and the northern part of the northern hemisphere are shadowy (once upon a time, it was called that a "blue haze" covered). Since some part was whitish on B (once upon a time, it was called the "blue haze" was cleared) so that such a marking as Syrtis Mj is concealed in B, and hence such a marking becomes quite bluish in the enhanced colour composite. So some are mistaken that the "blue clearing" occurred if the white mist masks or "blue cloud" appeared if Syrtis Mj is bluish. One should furthermore understand that the limb or the terminator is naturally thicker in white in B when the white masking appears. On the other hand *DPc*'s image set on 26 Apr (λ=083°Ls) at ω=252°W shows the morning Syrtis Mj beneath the moderate ebm: Syrtis Mj is bluish in the colour composite but not so enhanced. On 24 Apr (λ=082°Ls) *RGh* took images at ω=261°W perhaps before sunset where Syrtis Mj is slightly bluish: there is no trace of Syrtis Mj in B though the ebm is unknown. *VAm*'s second image set on 18 Apr (λ=079°Ls) at ω=341°W is a good example when Syrtis Mj is near the evening limb though it is concealaed in B. An weak ebm is also felt on *Mo*'s image sets on 14 May (λ=091°Ls) at ω=318°W, 324°W (see B). There are other images where Syrtis Mj is erroneously called "covered by the Syrtis Blue Cloud", but we do not treat here the cases if the blue image is not accompanied. Intrinsically, the whitish ebm must appear also on the colour composites because it is an white mist visible in Int. Amateurs are not very concerned with this fact as far as we know or they try to process to erase the white mist in colour. The relation between the ebm and the concealed Syrtis Mj was hitherto proved several times by the HST: See for example: http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note02.htm **D) *Orography of Olympus Mons*:** At present the orography of Olympus Mons and other Montes is in season, whilst since the phase angle is so large that the afternoon region is smaller, it is not timely to check the orographic clouds over Tharsis Montes. *Mn* vaguely observed the cloudy Olympus Mons on 24 Apr (λ=082°Ls) at around ω=183°W~202°W, and on 25 Apr (λ=082°Ls) at ω=164°W, 173°W, but not satisfied. On the other hand *DPc* clearly shot it on 3 May (λ=086°Ls) at ω=190°W, 196°W, and on 4 May (λ=086°Ls) at ω=180°W, 185°W. **E) *Tharsis Montes in the Morning*:** Conversely the morning region has become wider, while the angular diameter has become smaller so that it is not so easier to check the tumours of Tharsis Montes above the morning mist. *Mn* however barely saw Olympus Mons over the morning mist on 25 Apr (λ=082°Ls) at ω=115°W (before sunset) and at ω=125°W, but afterward he lost sight of it: However quite later checked it covered by a cloud as mentioned before. MORITA (*Mo*) looked to shoot them on 30 Apr (λ=084°Ls) at ω=108°W and AKUTSU (*Ak*) more clearly described them on the following day 1 May (λ=085°Ls) at ω=083°W. Especially on *DPc*'s image sets on 11 May (λ=089°Ls) at ω=118°W(122°W), on

12 May (λ=090°Ls) at ω=110°W(114°W), and on 15 May (λ=091°Ls) at ω=082°W, 088°W, the dark Tharsis Montes and Olympus Mons are caught impressively. Next apparition it will be urgent to chase the transition from morning bare aspect to the afternoon cloudy one. **F) *Olympia:*** The thawing north polar cap (npc) continues enough to be smaller, and begins to show us around it several fragments. The first generated fragment is Olympia. We defer the details of the fragments to a following column while Olympia is already apparent for example on the images of *DPc* on 16 Apr (λ=078°Ls) at ω=345°W, 351°W, 357°W, on 17 Apr (λ=079°Ls) at ω=341°W(345°W), 351°W or on 20 Apr (λ=080°Ls) at ω=315°W and so on. *DPk* also showed it definitely on 5 May (λ=086°Ls) at ω=257°W. Note here that *DPc*'s image sets on 11 May (λ=089°Ls) at ω=118°W (122°W), and on 12 May (λ=090°Ls) at ω=110°W(114°W) show the rear side of Olympia as well as Chasma Boreale just like a rift (Chasma Boreale was shot by the HST in March 1997 at ω=105°W. See for example http://photojournal.jpl.nasa.gov/catalog/PIA01246). There are also other images that suggest Olympia. **G) *Hyperboreus L:*** This apparition a broad Iaxartes was once seen (on 21 Feb (λ=055°Ls) at ω=017°W detected by KUMAMORI (*Km*), et al), but afterward a local disturbance made this area obscure. However this period Hyperboreus L (which originally connected with Iaxartes) was very conspicuous, and eg on the image set by *EMr* on 19 Apr (λ=079°Ls) at ω=050°W it is very dark adjacent to the white npc. *DPk*'s image set on 22 Apr (λ=081°Ls) at ω=045°W also shows its peculiar darkness. *DPk*'s image set on 28 Apr (λ=083°Ls) at ω=330°W shows it as well as its eastern side and it looks like a dark fringe of the npc. *Mo*'s sets of images on 8 May (λ=088°Ls) at ω=015°W~024°W also show vaguely the dark marking and maybe also the remnant of Iaxartes. **H) *Elysium:*** *Mo*'s image set on 17 Apr (λ=079°Ls) at ω=230°W showed us the areas of Elysium and Cebrenia as a shape of a heart which reminded us of the aspect we saw frequently in the 1980s. At that time we regarded the dark band to the east of Utopia as Gyndes. *Mo*'s image set shows the morning mist and the evening one clearly because of the B image (the morning one enters into Elysium). **I) *Mo's Image Sets on 25 April:*** *Mo* produced elaborately some sets of images on 25 Apr (λ=082°Ls) at ω=146°W, 154°W, 164°W, and at 174°W: the first few caught the Alba swell, but there seem to exist a lot of ghosts and it is difficult to compare them. However these angles must include the transition moments when the summits of Olympus Mons became cloudy and hence these must be very important. In a coming Note we will measure the positions of some unknown spots, and this time we just report the existence of the sets. The Alba swell seems to be not far from the noon line and vague in B. The broad light slit between Gyndes (looking to be split into two) and the band made of Propontis I and others is quite reminiscence of the aspect we saw in the 1980s. This light band was seen visually also by *Mn* on the day.

♂・・・・・**A)ヘッラス：** ヘッラスは17Apr(λ=079°Ls)に福井で中島(Nj)氏と筆者の一人(Mn)がω=254°Wあたりからω=288°W辺りまで追った。朝方ではほんのり明るい程度であったが、ω=283°W辺りでは南部は充分明るかった。ピーチ(DPc)氏の20Apr(λ=080°Ls)ω=315°Wは、少しヘッラスが必ずしも中央ではない上、φが17°Nと深いから全貌は判らないが、ヘッラス南部が少しだけ見え、その東側に輝点を示していて興味深い。Bには明らかに靄が強く写っている。実はデルクロア(MDc)氏の24Apr(λ=082°Ls)ω=293°Wでもこの輝点は見える。ところで、ヘッラスが夕端に来ると、リムヘーズと合体するのか、明部が延びるというか、細長く見える。DPc氏の16Apr(λ=078°Ls)ω=345°W、351°W、357°Wや17Apr(λ=079°Ls)ω=341°W(345°W)、351°Wを見れば明白だが、ゲルシュトハイマー(RGh)氏の17Apr(λ=079°Ls)ω=334°W(Bに注目)でも夕方の靄がやや北に延びているのが判る。アマドリ(VAm)氏の18Apr(λ=079°Ls)ω=336°W、341°Wでもそのように見える。パーカー(DPk)氏の28Apr(λ=083°Ls)ω=330°Wでは少し角度が早いが、北部に輝点を持っていると同時にやや下がって見えると思う。序でに同日後刻のヒル(RHl)氏のω=353°Wでは夕靄と混じって更に北に延びているように見える。ただ、

モラレス(EMr)氏の27Apr(λ=083°Ls)ω=333°Wはさほどそのようには見えない。彼の2May(λ=085°Ls)ω=304°Wでは中央寄りの所為もあるが、南部の靄が強く見える。尚ヘッラスは福井の他、眼視観測者にも好く観測されている：マクシモヴィッツ(SMk)氏は17Apr(λ=079°Ls)ω=359°Wで明るく描いているし、エーベル(PAb)氏の20Apr(λ=080°Ls)ω=334°Wで夕方に白く描き、スメット(KSm)氏も23Apr(λ=082°Ls)ω=324°Wで白く描いている。PAb氏は26Apr(λ=083°Ls)ω=302°Wで中央寄りに白く描いている。尚、一回りして、12May(λ=090°Ls)ω=340°W、349°W、359°Wで、われわれのもう一人(Mk)が明るいヘッラスの夕端に近付く様子を追い、リムヘーズと分離している。14May(λ=091°Ls)ω=303°WではMnが福井で殆ど中央寄りで、明るいヘッラスを捉え、続くω=318°W、324°Wでは夕方寄りにMo氏がccdで撮像した。続く15May(λ=091°Ls)にもMo氏がω=313°Wで明るいヘッラスを写し出した。既にVAの状態に近いと思われる。**B)アルギュレ：** DPk氏の22Apr(λ=081°Ls)ω=045°Wは良像ながら、φ=17°Nまで上がっている所為か、アルギュレが全く見えない。**C)赤道帯霧：**MDc氏の16Apr(λ=078°Ls)ω=018°Wの像は本来暗いはずのB像全体が白く拙くカラー像も頂けない像になっているが、24Apr(λ= 082°Ls)ω=293°Wの像では先に引用したヘッラスを除き南半球は暗く出て、赤道帯には白霧が写り、シュルティス・マイヨルが中央にあるに拘わらず、白霧がマスキングの働きをして、赤道帯霧を構成しシュルティス・マイヨルを蒼くしている。DPc氏の20Apr(λ=080°Ls)ω=315°WにもB光でシュルティス・マイヨルを隠すほどの赤道帯霧が出ているが、シュルティス・マイヨルはさほど蒼くない。一方、DPk氏の5May(λ=086°Ls)ω=256°Wでは明らかに赤道帯、特に朝方に強い白霧が出ていて、朝方のシュルティス・マイヨルは全く見えない。南半球南部と北半球北部が極を除いて暗くなっているだけである(昔、暗い部分はブルーヘーズがあると称された)。B光でシュルティス・マイヨルが出ないため(昔、ブルーヘーズがクルアーされたと称された)に、コンポジットではシュルティス・マイヨルは蒼くなっている。斜光によるスカイブルーのところもあると思う。他方、DPc氏の26Apr(λ=083°Ls)ω=252°Wでもシュルティス・マイヨルが朝方にあるが、B光で赤道帯霧をDPk氏の様に強く処理していない為にシュルティス・マイヨルはさほど蒼くなっていない。24Apr(λ=082°Ls)ω=261°WのRGh氏の像は日没前と思われるが、シュルティス・マイヨルはやや蒼くなっている。Bには出ないからである。またVAm氏の18Apr(λ=079°Ls)ω=341°Wもシュルティス・マイヨルが夕方に来たときのよい例であろう。Mo氏の14May(λ=091°Ls)ω=318°W、324°Wにも感じられる(B参照)。但し、蒼くなったシュルティス・マイヨルを描写した像は他にもあるが、B光を伴わなかったりしているものなどはレビューしない。尚、本来はカラー像にも赤道帯霧がやや白く顕れなければならない(が通常度外視されて処理されているように思える)。こうした赤道帯霧並びにB光で隠れたシュルティス・マイヨルとの関係は、カラーのこれまでのHST像で好く証明されており、http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note02j.htm を参照されたい。**D)オリュムプス・モンスの山岳雲：**現在は山岳雲のシーズンなのであるが、*n*線(正午の線)が西側に傾いて、夕方の領域が狭くなっており機会が少ない。Mnは24Apr(λ=082°Ls)ω=183°W~202°W辺り、25Apr(λ=082°Ls)にはω=164°W、173°W辺りで朧気に見ているが、感心してはいない。一方DPc氏は3May(λ=086°Ls)ω=190°W、196°W、また4May(λ=086°Ls)ω=180°W、185°Wで明白に白雲を被ったオリュムプス・モンスを描写した。**E)朝霧の中のタルシス・モンテス：** 逆に朝方は位相角の所為で広くなったが、何せδが小さくなって、凸型の暗点を明確に検出するのはやや困難になって来ている。来期、再来期の課題である。しかし、Mnは25Apr(λ=082°Ls)の日没前ω=115°Wとそれに続くω=125°Wで朝霧に中にオリュムプス・モンスの暗点を見ている。但し、その後失い、先述の夕方のオリュムプス・モンスとなる。森田(Mo)氏の30Apr(λ=084°Ls)ω=108°Wにはスッキリしないがオリュムプス・モンスなどが出ているようであるし、翌日の阿久津(Ak)氏の1May(λ=085°Ls)ω=083°Wでは朝霧に中に比較的明確である。特にDPc氏の11May(λ=089°Ls)ω=118°W(122°W)、12May(λ=090°Ls)ω=110°W(114°W)、15May(λ=091°Ls) ω=082°W、088°Wには鮮やかに捉えられており、白眉である。尚、来期は暗点から山岳雲を被る過程を追いたいもので

ある。なお、他の朝霧の報告は沢山あるが省略する。**F)オリュムピア：** 北極冠は縮小状態に近く、周りに破片を残し始めている。今後(2012年、2014年も含めて)予想される北極冠の周辺の様子は別項に譲るが、既にオリュムピアが見えてきている。 特に既にDPc氏が16Apr(λ=078°Ls)ω=345°W、351°W、357°W、17Apr(λ=079°Ls)ω=341°W(345°W)、351°Wや20Apr(λ=080°Ls)ω=315°W等で示しているが、DPk氏の5May(λ=086°Ls)ω=257°Wにも明確である。他にも仄かに捉えられているものがあるが省略する。尚、DPc氏の11May(λ=089°Ls)ω=118°W(122°W)、12May(λ=090°Ls)ω=110°W(114°W)にはオリュムピアのバックと、カスマ・ボレアレの切れ目が明確に出ている。カスマ・ボレアレはMar1997のHST像に出ている。例えばhttp://photojournal.jpl.nasa.gov/catalog/PIA01246 を参照されたい。**G)ヒュペルボレウス・ラクス：** 今期の接近中、一旦はイアクサルテスが出現したが(熊森(Km)氏の二月など他)、その後局所的な擾乱がこの辺りに発生して、イアクサルテスは曖昧になっている。今期は北極冠に接してヒュペルボレウス・ラクスが顕著で、EMr氏の19Apr(λ=079°Ls)ω=050°Wでは最も濃くなっている。DPk氏の22Apr (λ=081°Ls)ω=045°Wにも非常に濃い。明らかに北極冠の縁との作用が働いて居るはずである。DPk氏の28Apr(λ=083°Ls)ω=330°Wではダークフリンジの強いもののように見える。Mo氏の8May(λ=088°Ls) ω=015°W~024°Wにも残っている様であるが、イアクサルテスの痕跡も認められないことはない。**H)エリュシウム：** Mo氏の17Apr(λ=079°Ls)ω=230°Wの像に久し振りにエリュシウムとケブレニアが明るくアエテリアの暗斑を挟んでハート型に顕れた。1980年代に好く見られた形である。当時ギュンデスと呼んでいたのがウトピアの東側の暗帯である。朝霧夕霧も写っている。**I) Mo氏の25Aprの像：** Mo氏はこの日ω=146°W、154°W、164°W、174°Wと撮り、何れも労作だが、アルバの変化を捉えているほかは、ゴーストが混じり、俄には比較できない。二十分で代わってしまうようなものはゴーストに近いが、但しこれらの角度はオリュムプス・モンスが白雲を被る頃に当たっており、たいへん重要な角度・時刻である。今後Noteで位置を確定して、どれだけ表現できているか見るが、今回は報告だけに留める。アルバも未だ正午から然程離れていないらしく、Bでは不鮮明である。ただ、ギュンデス(二本に別れているのは優れた描写)とその南のプロポンティスIのラインとの間が明るく透いて居るのは懐かしい風景で、1980年代に屢々見たものであるし、今回もMnは肉眼で観ている。

♂・・・・・**追加報告：We further received** as follows:

ABEL, Paul G ポール・エーベル (*PAb*) 英国 Leicester, UK

1 *Colour* Drawing (8 March 2010) 312×20cm speculum

GARBETT, Peter J ピーター・ガーベット (*PGb*) 英国 Sharnbrook, Bfd, UK

6 *RGB Colour* Images (26, 31 January; 1, 4, 7 March 2010) 36cm SCT with a SKYnyx 2-0 M

♂・・・・・ABEL (*PAb*)'s colour drawing was made on 8 Mar (λ=061°Ls) at ω=082°W showing the disc where the area of Solis L and an evening M Acidalium are explicit. GARBETT (*PGb*)'s delayed images are as follows: The image on 26 Jan (λ=043°Ls) at ω=045°W was made when δ=14.1" and good: M Erythraeum and the NW part of M Acidalium are particularly dark. The image on 31 Jan (λ=046°Ls) was also made when δ=14.1" and shows the scene at ω=000°W: Syrtis Mj is at the evening limb, and the npc shows inside the residual cap. The one on 1 Mar (λ=058°Ls) was made when δ=12.0" and at ω=099°W: The evening M Acidalium was no longer so dark. The images on 4 Mar (λ=060°Ls) were made at ω=062°W and 074°W: They show some of Tharsis dark dots inside the morning mist when δ=11.7". Argyre looks a bit hazy. The last one on 7 Mar (λ=061°Ls) was made at ω=012°W when δ＝ 11.4": The npc is now smaller.

♂・・・・・ PAb氏のカラースケッチは8Mar(λ=061°Ls)ω=082°Wはソリス・ラクス周辺と夕方のマレ･アキダリウムを描いている。PGb氏のは数点残っており、26Jan(λ=043°Ls)ω=045°Wの像はδ=14.1"の時のもので良像、マレ・エリュトゥラエウムとマレ･アキダリウムの北西部が濃い。31Jan(λ=046°Ls)もδ=14.1"で、ω=000°W。シュルティス・マイヨルが夕端、北極冠内にresidual capが見える。1Mar(λ=058°Ls)は

δ=12.0"、ω=099°W、夕方のマレ･アキダリウムは然程濃くなくなっているのが判る。4Mar(λ=060°Ls)はω=062°W、074°W：タルシス山の一部が朝霧に見えている。δ=11.7"。アルギュレは靄っている。7Mar(λ=061°Ls)はω=012°W、北極冠も小さくなって来た。δ＝11.4"。

♂·····In the next issue we shall review the observations made during the one-month period from 16 May (λ=091°Ls, δ=6.6") to 15 June 2010 (λ=105°Ls, δ=5.6").

南　政 次・村上 昌己 M MINAMI & M MURAKAMI

Forthcoming 2009/2010 Mars (18)

Fragments near the NPC Hereafter
今後の北極冠周邊

Masatsugu MINAMI 南　政 次(*Mn*)

THIS apparition in 2009/2010 (at opposition on 29 Jan 2010) has been similar to the one in 1992/1993 (at opposition on 7 Jan 1993), but in 1993 the ccd imaging was not popular, and so minute observations were not so obtained as in the present case. Therefore the situation of the local area around the npc was not so obvious in 1993. As another example the Tharsis dark spots in the morning were not so obviously detected in 1993 while they became more evident however in 1995 and 1997 (or further in 1999).

The dark Tharsis spots in 1997 in the morning was for example caught on 27 Mar 1997 when λ=096°Ls (maybe too late though δ=14.1″). See also:
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note04.htm
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note12.htm
as well as the following as an example in 1999:
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9907/07.html

Similarly, such a fragment of Olympia was first trapped in 1995 in a previous case while this year it has already been done, and so it is quite possible for the ccd images this year to reveal such a part of Chasma Boreale as well as such a charming crater of Korolev. Ierne is also interesting. Previously the introduction of Ierne by HST was made in CMO #177 (July 1996):
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9412/note12.html

Actual observations of some fragments by Hiroshi ISHADOH (*Id*) and the present writer (*Mn*) were made on 6 Mar 1997 (λ=087°Ls) at ω=300°W and 20 Mar 1997 (λ=093°Ls) at ω=137°W respectively as shown in CMO #202 (April 1998) and see also below
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note04.htm
where some pictures of the minimal npc taken by the HST are shown and so they are helpful.

The fragments including Ierne were also described by Nicolas BIVER (*NBv*) and Professor A DOLLFUS and also by HST, and hence the description in CMO #231 (May 2000) or the following Web Site will be instructive this year also in 2012 and 2014:
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9908/08.html

◆2009/2010年の接近は1992/1993年の接近に似ているのだが、當時はまだccd撮像が始まったばかりで、例えば北極冠周邊の様子など今回ほど精緻には得られていない。◆但し1995年、1997年になると季節に對して丁度頃合いの視直徑になり、眼視でも詳しい觀察が出來るようになっている。朝方のタルシスの暗點なども1997年に得られている(27Mar97等が相當しているが、季節はλ=096°Lsと今回に比べて遲い)。例えば、
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note04j.htm
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note12j.htm
◆また1999年の例としては次を見られたい：
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9907/07j.html
◆今年は既にオリュムピアの檢出などなされているが、これら北極冠周邊の破片のオリュムピアやイエルネ等、HST像の紹介も含めて前回は1995年になっており(CMO#177)、相當速まって來ている：
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9412/note12_2.html
1997年にも實際の觀測は伊舍堂(Id)氏の6Mar97

(λ=087°Ls)ω=300°Wや筆者の20Mar97(λ=093°Ls)ω=137°Wがある:
http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/97Note04j.htm
ここにはHSTによる像も含まれているから参考になろう。◆ccdの時代に入って、検出は早くなっているから、カスマ・ボレアレやコロレフ・クレータなどの検出なども速まるかも知れない。◆イエルネを含む北極冠周邊の破片のビヴェール氏やドルフュス氏、或いはHSTによる記述は今後も(2012、2014年にも)参考になろう:
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9908/08j.html
(PDFではその儘クリックすれば畫面に出る.) □

Forthcoming 2009/2010 Mars (19)

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

June and July 2010

***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 June to 31 July 2010: 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 respectively. 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*←. 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 2010*.

Date (00:00GMT)	ω	φ	λ	δ	ι	*Π*	*D*
01 June 2010	349.12°W	22.7°N	098.34°Ls	6.01"	36.7°	7.6°	+13°55'
02 June 2010	339.45°W	22.8°N	098.79°Ls	5.98"	36.7°	8.0°	+13°43'
03 June 2010	329.79°W	22.9°N	099.24°Ls	5.95"	36.6°	8.3°	+13°31'
04 June 2010	320.14°W	23.0°N	099.68°Ls	5.91"	36.6°	8.6°	+13°20'
05 June 2010	310.47°W	23.2°N	100.13°Ls	5.88"	36.5°	8.9°	+13°08'
06 June 2010	300.80°W	23.3°N	100.58°Ls	5.85"	36.4°	9.2°	+12°56'
07 June 2010	291.13°W	23.4°N	101.03°Ls	5.82"	36.4°	9.6°	+12°44'
08 June 2010	281.44°W	23.5°N	101.47°Ls	5.79"	36.3°	9.9°	+12°32'
09 June 2010	271.77°W	23.6°N	101.92°Ls	5.76"	36.2°	10.2°	+12°20'
10 June 2010	262.08°W	23.7°N	102.37°Ls	5.73"	36.1°	10.5°	+12°08'
11 June 2010	252.40°W	23.8°N	102.82°Ls	5.71"	36.1°	10.9°	+11°55'
12 June 2010	242.71°W	24.0°N	103.27°Ls	5.68"	36.0°	11.2°	+11°43'
13 June 2010	233.01°W	24.1°N	103.72°Ls	5.65"	35.9°	11.5°	+11°30'
14 June 2010	223.32°W	24.2°N	104.17°Ls	5.63"	35.8°	11.9°	+11°18'
15 June 2010	213.61°W	24.3°N	104.63°Ls	5.60"	35.7°	12.2°	+11°05'
16 June 2010	203.91°W	24.4°N	105.08°Ls	5.58"	35.6°	12.6°	+10°52'
17 June 2010	194.21°W	24.5°N	105.53°Ls	5.55"	35.5°	12.9°	+10°40'
18 June 2010	184.49°W	24.6°N	105.98°Ls	5.53"	35.4°	13.2°	+10°27'
19 June 2010	174.78°W	24.7°N	106.44°Ls	5.50"	35.4°	13.5°	+10°14'
20 June 2010	165.06°W	24.8°N	106.89°Ls	5.48"	35.3°	13.9°	+10°01'
21 June 2010	155.35°W	24.9°N	107.34°Ls	5.45"	35.2°	14.2°	+09°48'
22 June 2010	145.62°W	24.9°N	107.80°Ls	5.43"	35.1°	14.5°	+09°34'
23 June 2010	135.91°W	25.0°N	108.25°Ls	5.41"	35.0°	14.9°	+09°21'
24 June 2010	126.17°W	25.1°N	108.71°Ls	5.38"	34.9°	15.2°	+09°08'
25 June 2010	116.45°W	25.2°N	109.16°Ls	5.36"	34.8°	15.5°	+08°54'
26 June 2010	106.71°W	25.3°N	109.62°Ls	5.34"	34.7°	15.9°	+08°41'
27 June 2010	096.99°W	25.4°N	110.08°Ls	5.32"	34.6°	16.2°	+08°27'
28 June 2010	087.24°W	25.4°N	110.53°Ls	5.29"	34.5°	16.5°	+08°14'

Date (00:00GMT)	ω	φ	λ	δ	ι	Π	D	
29 June 2010	077.51°W	25.5°N	110.99°Ls	5.27"	34.4°	16.9°	+08°00'	
30 June 2010	067.76°W	25.6°N	111.45°Ls	5.25"	34.3°	17.2°	+07°46'	
01 July 2010	058.02°W	25.6°N	111.91°Ls	5.23"	34.2°	17.6°	+07°32'	
02 July 2010	048.27°W	25.7°N	112.36°Ls	5.20"	34.0°	17.9°	+07°18'	
03 July 2010	038.53°W	25.8°N	112.82°Ls	5.18"	33.9°	18.2°	+07°04'	
04 July 2010	028.77°W	25.8°N	113.28°Ls	5.16"	33.8°	18.6°	+06°50'	
05 July 2010	019.02°W	25.9°N	113.75°Ls	5.14"	33.7°	18.9°	+06°36'	
06 July 2010	009.26°W	25.9°N	114.21°Ls	5.12"	33.6°	19.2°	+06°22'	
07 July 2010	359.51°W	26.0°N	114.67°Ls	5.10"	33.5°	19.6°	+06°08'	
08 July 2010	349.74°W	26.0°N	115.13°Ls	5.08"	33.4°	19.9°	+05°53'	
09 July 2010	339.98°W	26.1°N	115.60°Ls	5.07"	33.3°	20.2°	+05°39'	
10 July 2010	330.22°W	26.1°N	116.06°Ls	5.05"	33.1°	20.5°	+05°25'	
11 July 2010	320.46°W	26.2°N	116.52°Ls	5.03"	33.0°	20.9°	+05°10'	
12 July 2010	310.68°W	26.2°N	116.99°Ls	5.01"	32.9°	21.2°	+04°56'	
13 July 2010	300.91°W	26.2°N	117.45°Ls	5.00"	32.8°	21.5°	+04°41'	
14 July 2010	291.14°W	26.2°N	117.92°Ls	4.98"	32.7°	21.9°	+04°26'	
15 July 2010	281.37°W	26.3°N	118.38°Ls	4.96"	32.6°	22.2°	+04°12'	
16 July 2010	271.59°W	26.3°N	118.85°Ls	4.94"	32.5°	22.5°	+03°57'	
17 July 2010	261.82°W	26.3°N	119.31°Ls	4.93"	32.4°	22.8°	+03°42'	
18 July 2010	252.04°W	26.3°N	119.78°Ls	4.91"	32.2°	23.2°	+03°28'	
19 July 2010	242.25°W	26.4°N	120.24°Ls	4.89"	32.1°	23.5°	+03°13'	
20 July 2010	232.46°W	26.4°N	120.71°Ls	4.88"	32.0°	23.8°	+02°58'	
21 July 2010	222.69°W	26.4°N	121.18°Ls	4.86"	31.8°	24.1°	+02°43'	
22 July 2010	212.89°W	26.4°N	121.65°Ls	4.85"	31.7°	24.4°	+02°28'	
23 July 2010	203.11°W	26.4°N	122.12°Ls	4.83"	31.5°	24.8°	+02°13'	
24 July 2010	193.32°W	26.4°N	122.59°Ls	4.82"	31.4°	25.1°	+01°58'	
25 July 2010	183.53°W	26.4°N	123.07°Ls	4.80"	31.3°	25.4°	+01°43'	
26 July 2010	173.74°W	26.3°N	123.54°Ls	4.79"	31.1°	25.7°	+01°27'	
27 July 2010	163.95°W	26.3°N	124.01°Ls	4.77"	31.0°	26.0°	+01°12'	
28 July 2010	154.15°W	26.3°N	124.48°Ls	4.76"	30.9°	26.3°	+00°57'	
29 July 2010	144.35°W	26.3°N	124.96°Ls	4.74"	30.8°	26.6°	+00°42'	
30 July 2010	134.55°W	26.3°N	125.43°Ls	4.73"	30.6°	26.9°	+00°27'	
31 July 2010	124.76°W	26.3°N	125.90°Ls	4.71"	30.5°	27.2°	+00°11'	
01 August 2010	114.96°W	26.2°N	126.38°Ls	4.70"	30.4°	27.5°	-00°04'	- - -

便　り
Letters to the Editor

●・・・・・***Subject: Mars sketches 23/04/10***
Received: Sat 24 Apr 2010 18:51:41 JST

Hi, here are my sketches from 23 april.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100423/KSm23Apr10.jpg

Location: Bornem, Belgium, instrument: 12" *f*/5 dob, magnification: 416x & 375x, seeing: good & average filters: / Greetings,

○・・・・・***Subject: Mars sketch 17/05/10***
Received: Wed 19 May 2010 02:38:50 JST

Hi, here is my sketch from 17 may. Seeing: average, filters: #80A Blue: A large cloud seemed visible, confirmed with use of a blue filter. Mars is becoming a tough little target now, i hope to get a few more looks & sketches as we will be facing the Syrtis Major side the following week(s). Greetings,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100517/KSm17May10.jpg

○・・・・・***Subject: Mars sketch 19/05/10***
Received: Fri 21 May 2010 00:55:34 JST

Hi, here is my sketch from 19 may. Seeing: average-

good. Greetings,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100519/KSm19May10.jpg

Kris SMET (ｸﾘｽ･ｽﾒﾄ Belgium 比利時)

●・・・・・***Subject: Mars obs 23th from SMk***
Received: Sun 25 Apr 2010 12:34 JST

Good evening, Some views about the 23th Mars with the refractor 152mm. The Hellas area accessible brighter than the NPC! Some details all around the NPC collar. The mars disk still behind a "haze curtain" at the equator surface. For your perusal.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100423/SMk23Apr10.jpg

○・・・・・***Subject: mars obs 24th from SMk***
Received: Sun 25 Apr 2010 22:51 JST

Good afternoon, Some views about the 24th Mars with the refractor 152mm. The Hellas area accessible brighter than the NPC! Some details all around the NPC collar. The mars disk still behind a "haze curtain" at the equator surface. For your perusal.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100424/SMk24Apr10.jpg

○・・・・・***Subject: last mars obs from SMk on 6th***
Received: Sat 08 May 2010 01:38 JST

Dear Gents on the Mars survey, Here is my last Mars report performed on the 6th. Small conditions and as I was testing a Vixen VC200L scope I profit of a small sky aperture to do it. Not a great scope for planets, BUT it shows something consistent after some adjustments on. Please refer to the single sketch given reported with no filter (WF) and the W11 under average seeing conditions. The NPC was captured anyway, the brightest white area, after Chaos near a consistent morning haze. The Solis Lacus area on the evening side, the limb is still covered with a whitish feature since a long date. This is for me something very strange still. Unfortunately we did not get good apertures here on sky since the begin of April without bad seeings we saw. Ice depositions? CCD images only may be on statistic waves. Eridania doesnot bright shines> Yes, the classic dark features are given. Was for a scope test but the data were not useless. Now I am moving on asteroids and comets reports with this scope and the 12" cass. Not a matter for a follow-up now. The scope in test is almost perfect in spite of his 42% central obstruction of a look like RC scope, not a simple "diffraction limited" worldwide. Have good receipt of the present mail. Yours faithfully.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100506/SMk06May10.jpg

○・・・・・***Subject: mars obs last 9th***
Received: Tue 11 May 2010 12:33 JST

Dear Minami, dear Richard, Here is my last obs of Mars 9th still with the 200 cassegrain. For your Perusal.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100509/SMk09May10.jpg

○・・・・・***Subject: mars 15.5.2010 from SMK***
Received: Mon 17 May 2010 1:24 JST

Dear Minami san, dear Richard, Here is my last obs of Mars 15th with the 150mm refractor. Clouds are not seen through the deep yellow filter W12. The NPC area is well whitish, not only NPC. The extension of the NPC on the morning side is viewed with the W11/W56 filters (this is not the rift shown here, not accessible). For your Perusal. Best regards

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100515/SMk15May10.jpg

Stanislas MAKSYMOWICZ
(ｽﾀﾆｽﾗｽ･ﾏｸｼﾓｳﾞｨｯﾂ Ecquevilly 法)

●・・・・・***Subject: Mars Images (April 20th, 2010.)***
Received: Sun 25 Apr 2010 03:35:32 JST

Hi all, Here are some Mars images from April 20th under fair conditions.

http://www.damianpeach.com/mars09/2010_04_20rgb.jpg

○・・・・・***Subject: Mars Images (April 26th & 27th, 2010.)***
Received: Fri 30 Apr 2010 03:31:51 JST

Hi all, Here are some images from recent nights. Poor seeing on both occassions.

http://www.damianpeach.com/mars09/2010_04_26rgb.jpg
http://www.damianpeach.com/mars09/2010_04_27rgb.jpg

○・・・・・ ***Subject: Mars Images (May 3rd, 2010.)***
Received: Wed 05 May 2010 05:55:29 JST

Hi all, Here are some images from last night. Sadly rather poor seeing again. Brilliant orographic cloud over Olympus Mons.

http://www.damianpeach.com/mars09/2010_05_03rgbred.jpg
http://www.damianpeach.com/mars09/2010_05_03grnblue.jpg

○・・・・・***Subject: Mars Images (May 4th, 2010.)***
Received: Thu 06 May 2010 04:51:56 JST

Hi all, Some images from last night. Fair to good seeing. Weak clouds over Elysium. Brilliant orographics over Tharsis/Olympus Mons.

http://www.damianpeach.com/mars09/2010_05_04rgbred.jpg
http://www.damianpeach.com/mars09/2010_05_04grnblue.jpg

○・・・・・***Subject: Mars Images (May11th, 2010.)***
Received: Sat 15 May 2010 03:46:49 JST

Hi all, Here are some images from the 11th. Fairly good seeing. Some extensive clouds over the Martian disk. The volcanoes all remain dark in appearance. Note the NPC outliers and rift across the centre.

http://www.damianpeach.com/mars09/2010_05_11rgbred.jpg
http://www.damianpeach.com/mars09/2010_05_11grnblue.jpg

○・・・・・***Subject: Mars Images (May12th, 2010.)***
Received: Sat 15 May 2010 22:09:33 JST

Hi all, Here are some images from the 12th. Pretty good seeing. Again, extensive bright cloud over Tharsis around the volcanoes. NPC rift is again present.

http://www.damianpeach.com/mars09/2010_05_12rgbred.jpg
http://www.damianpeach.com/mars09/2010_05_12grnblue.jpg

○・・・・・***Subject: Mars Images (May15th, 2010.)***
Received: Mon 17 May 2010 00:43:13 JST

Hi all, Some images from last night. Poor seeing. Bright clouds over Tharsis again.

http://www.damianpeach.com/mars09/2010_05_15rgbred.jpg
http://www.damianpeach.com/mars09/2010_05_15grnblue.jpg

Best Wishes

Damian PEACH (ﾃﾞﾐｱﾝ･ﾋﾟｰﾁ Brk 英)

●・・・・・***Subject: Mars from 17. April 2010***
Received: Sun 25 Apr 2010 16:32:44 JST

Dear Masatsugu, images from 17. April are attached. The green channel of the RGB-image was R/B-synthesised. With best wishes

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100417/RGh17Apr10.jpg

○・・・・・***Subject: Mars 16. May 2010 IR***
Received: Fri 21 May 2010 04:03:13 JST

Dear Masatsugu, weather was bad in the last weeks. I can send you only one IR-image, recorded at poor conditions. With best wishes

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100516/RGh16May10.jpg

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

●・・・・・***Subject: Missing Mars images***
Received: Sun 25 Apr 2010 18:57:42 JST

Thank-you for the latest CMO update. This reminded me that I have images of Mars I did not get a chance because of my work commitments to send to you. Maybe you could add these (please see attached)?

Details...: All with C14, SKYnyx 2-0M camera, Trutek RGB filters + Baader UV/IR rejection filter. Best wishes,

7.3.2010 at 19:58; 4.3.2010 at 21:34 & 22:24; 1.3.2010 at 22:16; 31.1.2010 at 22:34; 26.1.2010 at 22:38

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/index_PGb.html

Peter GARBETT(ﾋﾟｰﾀｰ･ｶﾞｰﾍﾞｯﾄSharnbrook英)

●・・・・・***Subject: Mars 2010.04.24***
Received: Mon 26 Apr 2010 00:41:13 JST

Dears, Mars under correct conditions yesterday night:

http://astrosurf.com/delcroix/images/planches/m20100424-MDe.jpg

We can distinguish Syrtis Major blue cloud, white clouds over the equatorial part of Elysium and part of Hellas, and a dark marking over the south pole.

Clear skies,

Marc DELCROIX (ﾏﾙｸ･ﾃﾞﾙｸﾛｱTournefeuille法)

●・・・・・***Subject: Mars 22 April***
Received: Mon 26 Apr 2010 11:41:56 JST

Hi All, I have attached RGB Mars images from 22 April taken with the 16-inch Newtonian. Cecropia is visible west of the NPC. There were morning clouds over Candor and Tempe. Best,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100422/DPk22Apr10.jpg

○・・・・・***Subject: Mars 28 April***
Received: Sat 01 May 2010 06:54:50 JST

Hi All, I have attached RGB Mars images from 28 April taken under good seeing conditions. Best,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100428/DPk28Apr10.jpg

○・・・・・***Subject: Mars 5 May***
Received: Sat 08 May 2010 05:57:21 JST

Hi All, I have attaches RGB and UV Mars images from 5 May. The Elysium cloud was bright and a possible Equatorial Cloud Band was prominent in ultraviolet light. The Blue Syrtis Cloud and Cerberus III are seen. There was some violet clearing in the S. hemisphere. Best,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100505/DPk05May10.jpg

Don PARKER (ﾄﾞﾝ･ﾊﾟｰｶｰ Miami FL 美)

●・・・・・***Subject: 火星画像　Ak24Apr10***
Received: Mon 26 Apr 2010 12:59:11 JST

南様 火星画像Ak24Apr10を送ります。夕方の西空か屋上から向きにくい方向(屋根が邪魔)です。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100424/Ak24Apr10.jpg

○・・・・・***Subject: 火星画像　Ak30Apr10***
Received: Sat 01 May 2010 15:18:09 JST

昨夜の火星画像です。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100430/Ak30Apr10.jpg

○・・・・・***Subject: 火星画像　Ak09May10***
Received: Sat 15 May 2010 14:34:25 JST

南様 火星画像　Ak09May10です。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100509/Ak09May10.jpg

阿久津 富夫(Tomio AKUTSU セブThe Philippines)

●・・・・・***Subject: Re: Mars 26 April under fair conditions***
Received: Wed 28 Apr 2010 04:41:33 JST

I'm doing lots of observing, especially since the Powermate came.... I'm just slow on the processing.

http://www.lpl.arizona.edu/~rhill/images_mars/Mars_20100426-0226finA.jpg

○・・・・・***Subject: Mars 28 April***
Received: Wed 28 Apr 2010 16:34:18 JST

Here's tonight's effort:

http://www.lpl.arizona.edu/~rhill/images_mars/mars_20100428-0236finA.jpg

Rik HILL (ﾘﾁｬｰﾄﾞ･ﾋﾙ Tuscon AZ 美)

●・・・・・***Subject: Re: A Black Humour***
Received: Wed 28 Apr 2010 05:34:44 JST

Dear Masatsugu, My new secondary mirroir is going to be sent back because there is a problem to check - and I'm going on the very coming weeks to observe again with the usual secondary mirror. The situation is still not fixed but I'm still hoping to have a good telescope one fine day (I regret so much the beautiful quality of the Mewlon 210...) Regarding this correspondance, I would say there is a confusion between the CMO and the ALPO Japan, perhaps he's just not aware that you are completely separated organisations... it's hard to tell. I would just advice you to write to Jim to clear this. You can as you have received e-mails by Cc. He's maybe just supposing that there must be any kind of common work between the two groups.

At Meudon, I had thought to ask you about this strange story of the existence of two planetary observing groups in Japan, but our two low spoken english prevented me to talk... (I have not forgotten your demand about the Olympus Mons, by the way.) Best wishes

○・・・・・ ***Re: Mars Images (May11th, 2010.)***
Received: Sun 16 May 2010 17:39:36 JST

Hi guys, It must be that that was described as Rima Tenuis. But its real nature may still be a dust front, such as those observed last winter... its color looks fawn to me, although the detail is too small to be certain. Moreover, it has slightly moved in longitude in one martian day. Best wishes

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

●・・・・・***Subject: mars 26 april***
Received: Wed 28 Apr 2010 11:45:23 JST

Hi OAA- Japan, Hear is Mars on 26 april 2010 .PLS see you it. Ciao

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100426/SGh26Apr10.jpg

○・・・・・***Subject: mars 30 april & 1 may***
Received: Mon 3 May 2010 11:20:34 JST

Hi OAA- Japan, Hear are 30 April & 1 may mars im-

ages pardon for delaycause my conputer was out of work.
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100430/SGh30Apr10.jpg
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100501/SGh01May10.jpg

○・・・・・***Subject: mars 4 may***
Received: Thu 06 May 2010 11:13 JST

Hi OAA- Japan, Here is mars 4 may seeing was average & atmosphere was very good. Ciao
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100504/SGh04May10.jpg

○・・・・・***Subject: mars 9 may***
Received: Tue 11 May 2010 10:30 JST

Hi OAA- Japan, Here is mars on 9 may seeing poor.
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100509/SGh09May10.jpg

○・・・・・***Subject: mars 15 may***
received: Mon 17 May 2010 17:10 JST

Hello OAA- Japan, Here is mars 16 may seeing was poor. Ciao
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100515/SGh15May10.jpg

Sadegh GHOMIZADEH
(ｻﾃﾞｸﾞ･ｺﾞﾐｻﾞﾃﾞ Tehran 伊朗)

TEN YEARS AGO (177)

----*CMO #231 (25 May 2000)* pp2731~2750----

Click→ **http://www.hida.kyoto-u.ac.jp/~cmo/cmo/231/cmo231.html**

巻頭は、「第8回CMO惑星観測者懇談会」の案内が掲載されている。2000年九月中旬の連休に横浜で開催された懇談会の予告である。次いで1998/99 Mars CMO Note(8) 「イエルネ」"Ierne" と1998/99 Mars CMO Note(9)「南極冠」" The spc"が連続して取り上げられた。前者には北極冠極小時に現れる周囲の雪片の様子が、後者には来期から始まる南極冠観測の前哨戦としての1999年の南極冠の観測状況が纏められている。


ISSN 0917-7388
COMMUNICATIONS IN 東亜天文學會『火星通信』since 1986
MARS No. 231
25 May 2000
OBSERVATIONS Published by the OAA Mars Section
お知らせ・Announcement
★2001年の火星接近を迎えて「第八回CMO惑星観測者懇談会」を九月の連休15日～17日の日程で横浜で開催することになりました。メイン会議は九月16日(土)、午前9時から午後4時半迄、神奈川県青少年センター(最寄り:桜木町駅)の集会室で行う予定です。五月のはじめ、常間地さんと村上で、ロケーション・ハンティングを行い、会場の選択、周辺の踏査、日程の叩き台を作りましたが、まだプログラムなど詳細は未定です。★現在までのところ、横浜の中島守正氏から記念講演がいただける予定で、他に沖縄の比嘉氏(Video)、北九州の岩崎氏(Sketch)、栃木の阿久津氏(CCD)もご参加の意向です。CMO福井からは西田氏と南が駆け付けます。★もし近隣の方も含めてご参加に関して、またプログラムについてご希望の方がおありでしたら、その旨村上の方までご連絡下さい。
☆We are happy to announce that on 15, 16 and 17 September 2000 we shall hold the 8th CMO Meeting of Planetary Observers at Yokohama to meet the 2001 Mars apparition. ☆ HIGA from Okinawa, IWASAKI from Kyushu, NISHITA and MINAMI from Fukui are to join as well as Morimasa NAKAJIMA from Yokohama and other CMO members in the Tokyo district.
CMO Fukui 南 政次 M MINAMI vzv03210@nifty.ne.jp
CMO Kanagawa 村上 昌己 M MURAKAMI cmo@mars.dti.ne.jp
252-0804 藤沢市湘南台5-1-1 コンフォート湘南台
Phone:0466-45-6766 Fax:0466-42-4407
1998/99 Mars CMO Note (8)
イエルネ
Ierne
◆北極冠が極小状態に近附くと、オリュムピアとアントニアディが名附けた北極冠の破片(群れ小島)がΩ=200°Wを中心に明白となることは最近では多くの観測者によって観測されている。1997年での確認結果については、#202 p2259とその補遺#204 p2288で報告した。15cm級でも検出が可能であった。#202にはHSTの写真も掲載されているが、これは既に#189 p2076に紹介している。10 Mar 1997 (089°Ls)の映像で、例えばω=210°Wの像では明らかである。
◆實はオリュムピアに先行してもう一つ白い破片があることは、矢張り#202 p2259の右圖20 Mar 1997 (093°Ls) ω=137°Wの部分スケッチに暗示されている。筆者(Mn)の同様な觀測では24 Mar 1997 (095°Ls)ω=112°W(Mn-427D/1997)、25 Mar 1997 (095°Ls)ω=108°W (Mn-437D)～ω=128°W(Mn-439D/1997)、27 Mar 1997(096°Ls)ω=115°W(Mn-447D)～ω=135°W(Mn-449D/1997)等で引っ掛かっている。
◆この破片はオリュムピアに比べて検出は遙に困難であるが、1999年の觀測では筆者の場合、16 May 1999 (140°Ls)に好シーイングの下で検出、觀察した。この日は薄明直後の10:20GMTでω=099°W (Mn-572D/1999)から觀測を開始したが、朝方に分別できる。12:40GMT頃からこの白い破片がクッキリ見えるようになった。スケッチではω=138°W (13:50 GMT, Mn-572D) →ω=157°W (Mn-574D)で
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http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9908/08.html
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9908/08j.html (Jp)
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9909/09.html
http://www.hida.kyoto-u.ac.jp/~cmo/cmo/note/9909/09j.html (Jp)

LtEは、始めに常間地ひとみさん(神奈川)からの多数の来信があり、九月の懇談会の相談や、比嘉氏・成田氏と筆者の家で集まったときのことなど記録されている。また末尾には「藤沢だより」も掲載されて、懇談会のロケハンの様子があり、当時のことが記憶に蘇る。その他に国内からは、阿久津富夫(栃木)、宮崎勲(沖縄)、比嘉保信(沖縄)の各氏から、外国からは、Damiam PEACH (UK), Nicolas BIVER (HI, USA), Giovanni DI GIOVANNI (Italy), Audouin DOLLFUS (France), Daniel CRUSSAIRE (France), Sam WHITBY (VA, USA), Robert SCHULZ (Austria)の皆さんから便りが寄せられている。SCHULZ氏はPEACH氏の紹介で、今回が初めての来信、自己紹介がされている。CMO_Mars Report (24)には、SCHULZ氏からの追加報告が紹介された。

Click CMO (15) には、西田氏と常間地さんから紹介のあった、ウエッブページ二つが採り上げられた。MGSの画像アーカイブと次のオマーンで見つかった火星からの隕石の話題である。

http://news.bbc.co.uk/hi/english/sci/tech/newsid_759000/759267.stm

また、巻末には「文献紹介」として、佐藤健氏などより送られてきた*Science, Nature, S&T*に掲載された火星関係記事の紹介があった。

TYA(57)には、CMO#087(25May1990)が紹介されている。廿年前のその「OAA_MARS SECTION」には観測報告に先立って、OAA火星課長が佐伯恒夫氏から南政次氏に替わり、幹事に中島孝氏・浅田正氏が就任したことがアナウンスされていた。まだ火星は朝方の「うお座」にあって視直径は6秒台であった。また、Coming 1990/1991 Mars (4)「今年の火星は高いですね！」と 1988CMO観測ノート(12)「Thyles_Monsらしきもの」が掲載された。

http://www.hida.kyoto-u.ac.jp/~cmo/cmo/231/tya057.html (Japanese) 村上 昌己 (Mk)

●・・・・・***Subject: Mo 25 Apr 10***
Received: Thu 29 Apr 2010 01:26:00 JST

25日は比較的Seeingが良く、まずまずの像が撮れました。この後13時まで撮っています。その他では、23，24日と撮りましたが、これはとても悪く報告できるかどうかわかりません。とりあえず25日分を処理しています。　眼視では夕方のタルシスあたりの雲がかなり明るいと感じました。24日も同じようなところですが、ボヤボヤです。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100425/Mo25Apr10.jpg

○・・・・・***Subject: Mo 04 May 10***
Received: Thu 06 May 2010 00:18:31 JST

今日は曇って駄目でしたが昨日は久しぶりに好Seeingで何とか表面模様を撮る事ができました。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100504/Mo04May10.jpg

○・・・・・***Subject: Mo 08 May 10***
Received: Mon 10 May 2010 00:28:00 JST

7、8日と晴れでしたので撮像できました。Seeingは良くは無いもののたまに落ち着く時がありますまずでしょうか。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100508/Mo08May10.jpg

○・・・・・***Subject: Mo 14 15 May 10***
Received: Sun 16 May 2010 23:55:30 JST

メール有難うございました。最近はあまりSeeingが良くなかったのですが、やっとまともな画像を撮ることが出来ました。ヘッラスの中に一部明るい部分があるようです。今日16日は中央で捉えています。また処理して送ります。

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100514/Mo14May10.jpg
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100515/Mo15May10.jpg

森田　行雄 (Yukio MORITA 廿日市 Hiroshima)

●・・・・・***Subject: Mars - April 27th, 00:34ut***
Received: Thu 29 Apr 2010 02:02:24 JST

Hi Masatsugu, Here is my most recent session that the weather permited lately and now dealing with saharra dust and volcanic ash from a nearby island, Clear Skies.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100427/EMr27Apr10.jpg

○・・・・・***Subject: Mars - May 2nd, 01:52ut***
Received: Wed 05 May 2010 06:13:34 JST

Hi Mr. Minami, This is my latest session from the 2nd of may at 01:52ut. Clear Skies my friend.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100502/EMr02May10.jpg

○・・・・・***Subject: Mars - May 6th, 23:58ut***
Received: Sun 09 May 2010 00:48:11 JST

Hi Mr. Minami, My latest session of mars at less then 7 disc size, Clear Skies to All.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100506/EMr06May10.jpg

○・・・・・***Subject: Mars - May 11th, 00:22ut***
Received: Thu 13 May 2010 01:39:08 JST

Hi Mr. Minami,　My latest session of Mars with not so ideal conditions, Clear Skies.

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100511/EMr11May10.jpg

Efrain MORALES RIVERA
(ｴﾌﾗｲﾝ・ﾓﾗﾚｽ=ﾘﾍﾞﾗPuerto Rico 波多黎各)

●・・・・・***Subject: Re: May I ask your favour?***
Received: Thu 29 Apr 2010 20:54:41 JST

Dear Masatsugu and Masami, Elisabeth Sablé is presently still working in SAF, even though she is planning to retire after about two years. She told me that your last subscription was valid until the end of 2009 and that the next subscription for 2010 will be as follows: Membership fee for SAF: 25€; Subscription for *l'Astronomie*: 49€; Airmail tax: 18€.

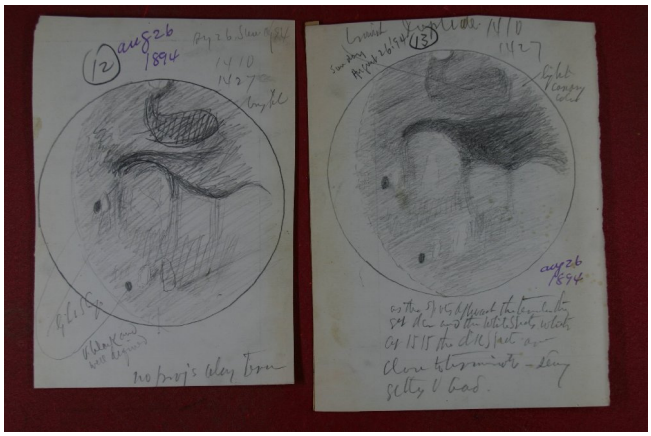
Actually, during the last days, I was quite busy concerning the coordination of the repairing work for the cupola of Juvisy Observatory and for Camille Flammarion's refractor which was under the cupola. Actually, we took the refractor from the cupola for repairing two years ago, even though we were not sure at that time that the cupola would be repaired. Then, two months after your visit, the City of Juvisy began to repair the cupola and the staircase with the financial help of several other administrations. If everything is OK, both the cupola and the 24 cm refractor will be ready for use in September. Recently, I have been appointed by SAF as the coordinator of the future observations, so that it will be my pleasure to receive you there when you come again.

With best wishes.

Francis OGER (ﾌﾗﾝｼｽ・ｵｼﾞｪ SAF 法)

●・・・・・***Subject: FW: Mars Images (April 20th, 2010.)***
Received: Tue 04 May 2010 09:16:36 JST

Dear Masatsugu,　Here are images of Barnard's from 1894—showing the Tharsis shields much as they have appeared this apparition, as dark blisters arising above



the haze. Damian Peach has done tremendous work with these features.

Enjoyed the latest discussion of the Blue Haze and Tharsis volcanoes in the latest CMO.

Hope you are well. Yours in the Red Planet,

PS. How were the cherry blossoms this year?

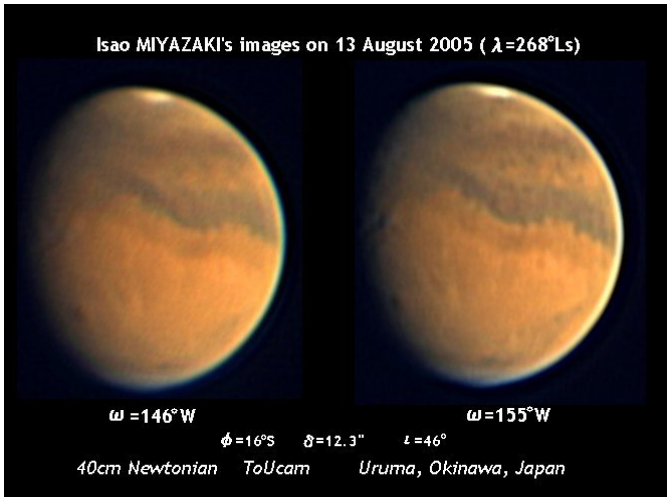
Bill SHEEHAN (ｳｨﾘｱﾑ・ｼｰﾊﾝ MN 美)

(註) Apparently Damian PEACH (*DPc*)'s case this year corresponds to the misty season when the Tharsis volcanoes stay on the morning side, while BARNARD's volcanoes are seen near the evening terminator. In CMO #264 (25 Sept 2002 issue), we cited Tom DOBBINS's email which showed us one of these BARNARD drawings in 1894. See p 3436 in it or/and the PDF CMO #264 version

http://www.hida.kyoto-u.ac.jp/~cmo/cmomn5/CMO264.pdf

Since 111 year recurrence (see CMO #106 (June '91) or http://www.hida.kyoto-u.ac.jp/~cmo/cmomn2/Cahier03.htm

or a report in the IWCMO by *Mn*) of the 1894 apparition corresponds to the 2005 year apparition, we so at that moment asked Isao MIYAZAKI (*My*) to take pictures of the evening Tharsis volcanoes and the result was the image set made on 13 Aug 2006 (λ=268°Ls) as cited here. Of course



they are in the CMO Mars Gallery. As to the results we alluded in the report in CMO #308 (25 Aug 2005 issue) under the subtitle "BARNARD's Observation in 1894". In reality, such volcanoes are shot several times by other imagers before and after in 2005, and in fact *DPc* already took it on 22 July 2005 (see also his LtE in CMO #307). And Ed GRAFTON (*EGf*)'s images on 1 and 2 Aug 2005 are also very appealing:

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2005/050801/EGf01Aug05.jpg
http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2005/050802/EGf02Aug05.jpg

Clearly the evening shadowy spots are not due to the evening mist, but they show the shadows of the mountains at the preceding flanks. And so they are completely different from the cases where the summits are poking out from the underneath morning mists. (*Mn*)

●・・・・・***Subject: Visual Planetary Observations!***
Received: Sat 08 May 2010 23:57 JST

Dear Dr. Minami, My name is Paul G. Abel and I am an astronomer here in England, UK. I have a 203mm (8-inch) Newtonian Reflector permanently set up in my observatory here in Leicester, England. I am a visual observer, and record all my observations by drawing at the eyepiece and copying them up in colour afterwards. I am a member of the BAA and send my planetary observations (Venus, Mars, Jupiter and Saturn) to both the US ALPO and Japan ALPO along with the BAA. I was wondering if my observations of Mars and the other planets would be of any interest to you. I attach a few recent observations as an example for your perusal. At the end of each planetary apparition I produce an end of apparition report which I would be happy to send you.

All best wishes,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/index_PAb.html

Paul ABEL (ﾎﾟｰﾙ・ｴｰﾍﾞﾙ Leicester 英)

●・・・・・***Subject: Re: Mars Images (May11th, 2010.)***
Received: Sun 16 May 2010 19:20:58 JST

Way back over a decade ago it occurred to me that the Rima Tenuis could be a dust streak. Only after technology caught up with our observing and I realized that those dusty trails across the caps, as revealed in CCD images, were topographically controlled winds blowing dust across the NPC. Rima Tenuis must be a dust streak, but I have forgotten why it is obvious. It seems to be the only rational answer.

Jeff BEISH (ｼﾞｪﾌ・ﾋﾞｰｼｭ Lake Placid FL美)

●・・・・・***Subject: Mars Observation (May 4, 2010)***
Received: Mon 17 May 2010 03:43 JST

Dear Mr. Murakami, I hope that you, Dr. Minami, and the CMO staff have been doing well. I was fortunate to have had a break in my hectic schedule and made an observation of Mars on May 4, 2010 under very to extremely good seeing conditions (8-9/10; I was even noting diffraction rings around Mars!). I could not believe the amount of detail that I detecting over the surface of Mars at such a relatively small angular diameter but my wife, an experienced observer herself, was observing with me at the time and was seeing the same features. The Syrtis Major region appeared to be mottled and complex with alternating light and dark features. I have not enjoyed such a steady night in a long time. My Brandon oculars (8 mm and 12 mm) provided very sharp and high contrast views of Mars. ・・・・

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100504/CHr04May10.jpg

I have also attached a sectional sketch of the Syrtis Major region which displayed mottling, especially during the best moments of seeing.The best of luck and may you have clear and steady skies. Regards,

http://www.hida.kyoto-u.ac.jp/~cmo/cmons/2009/100504/CHr04May10_n.jpg

Carlos HERNANDEZ (ｶｰﾛｽ・ﾍﾙﾅﾝﾃﾞｽ FL美)

●・・・・・***Subject: Mars Albedo Map 2010***
Received: Wed 19 May 2010 08:52:39 JST

Hi, I have spent some time over the last few weeks combining my Mars images from this apparition to generate an albedo map of the planet, based on observations from 17th Jan to 5th March. Quite some work to match the segments together but hope you like the results.

All the best, *(See the next page. Ed)*

○・・・・・***Subject : Re: Mars Albedo Map 2010***
Received : Thu 20 May 2010 07:50:22 JST

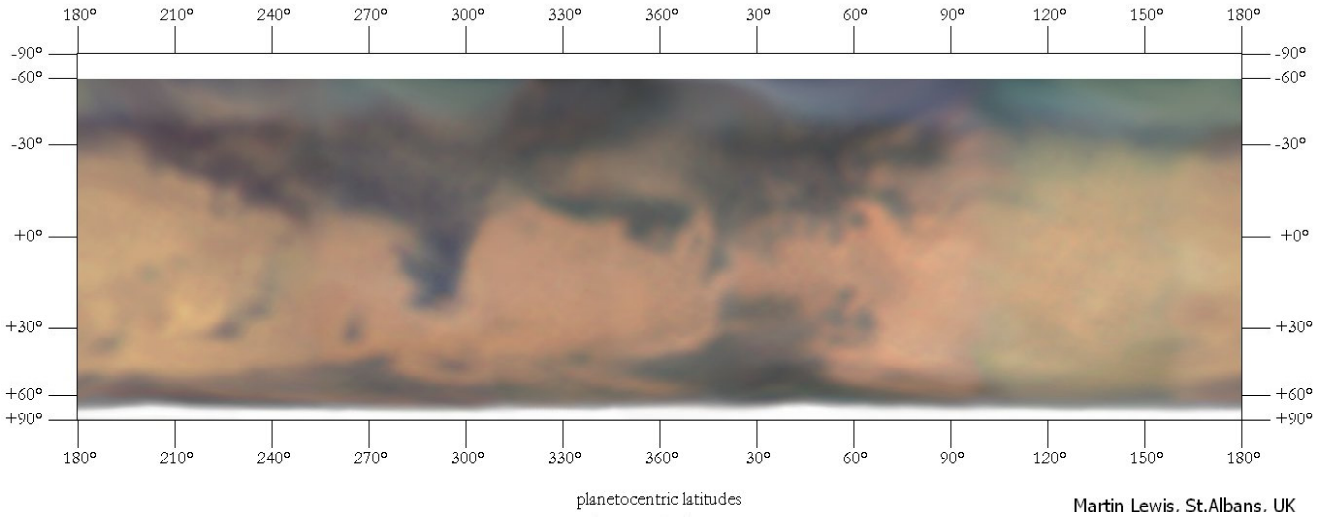
Hi Richard (HILL), You need to make all the images as uniform as possible in terms of colour and rotation then import into Winjupos and use Map Computation to unwrap the individual globe images and create the separate longitude sections of the rectangular map. The really hard part is removing the joins!

>Sent: Wednesday, May 19, 2010 1:24 AM
>Subject: Re: Mars Albedo Map 2010
> Great job! I've always wanted to do that with
>my observations. How did you
> do the projection? -Rik

Martin LEWIS (ﾏｰﾁﾝ・ﾙｲｽ St Albans Hts 英)

☆ ☆ ☆

Mars 2010 Albedo Map. Based on images taken between 17th Jan and 5th March 2010. 222mm Dobsonian + tracking platform + DMK21AF04AS.



Martin Lewis. St.Albans. UK

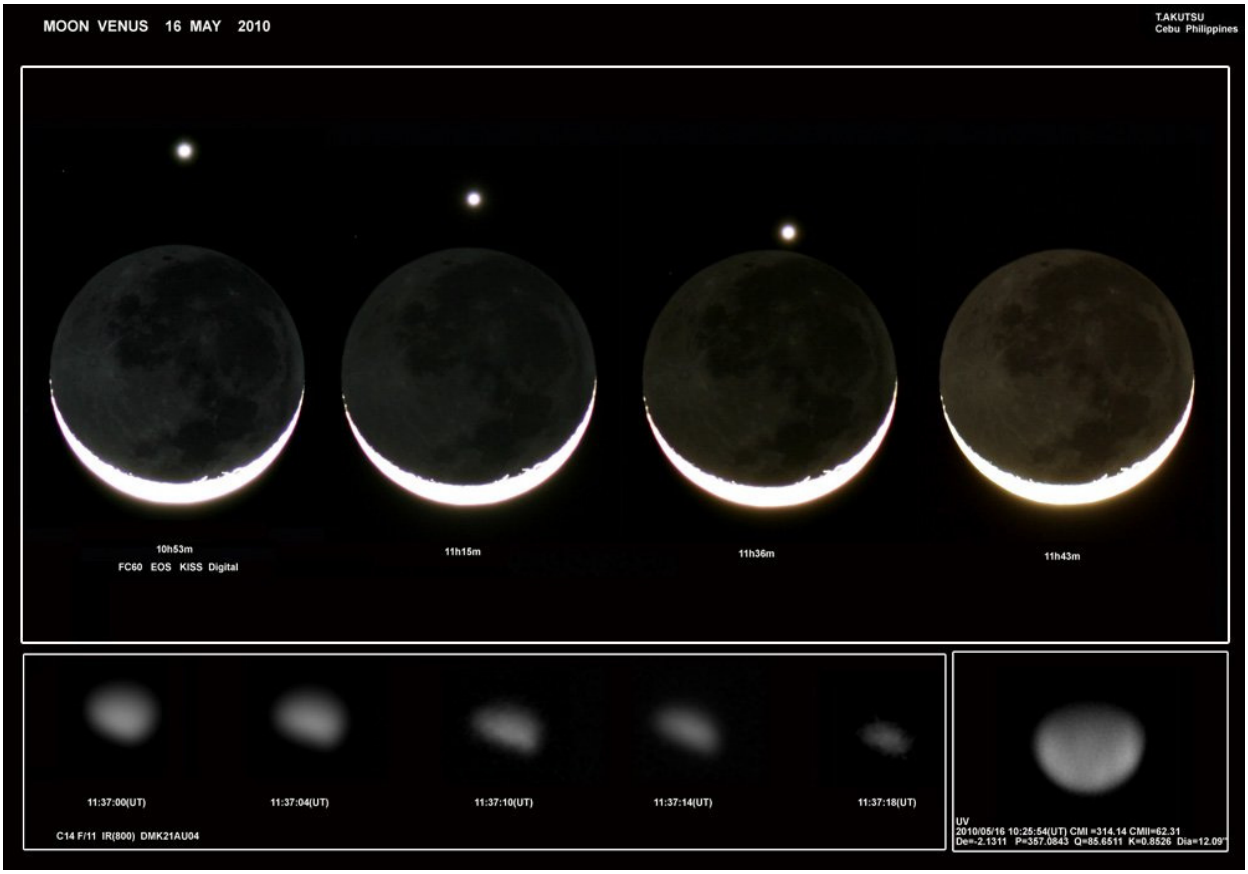
●·····***Subject: 金星食***
Date: Tue, 18 May 2010 17:01:33 +0900 (JST)

金星食画像,

5月16日夕方、セブでは金星食が見えました。透明度が良く、すばらしい光景を堪能できました。低空ですので気流は悪かったですが、フラフラの金星が月に隠れました。

阿久津 富夫(Tomio AKUTSU セブThe Philippines)

Lunar Occultation of Venus Taken by Tomio AKUTSU on 16 May 2010



ときどき歳時記

(7)◆諏訪大社御柱祭◆五月の連休に久しぶりで八ヶ岳の友人の別荘を訪ねた。めぼしい天文現象はなかったが、晴天に恵まれて都会では見られない星空を楽しむことが出来た。標高千メートルの高原ではまだヤマザクラが満開で、唐松も芽吹いたばかりであった。◆仲間の一人は自作の自動導入ソフトのテストを行うのを目的としていて、パソコン上で指定したメシエ天体を自動的に視野に導く事に成功した。小型赤道儀の追尾精度も良く30秒露出の700mm直焦点画像で星像が点像に捉えられていた。◆今回の愉しみはもう一つあり、諏訪大社の御柱祭への参加と見物であった。友人の別荘のある場所は御柱を切り出す八ヶ岳山麓のそばにあり、希望者は御柱の曳き手として参加できるのであった。◆諏訪の御柱祭は正式には「式年造営御柱大祭」とされ、寅年と申年に開催される諏訪大社の大きな祭事である。諏訪大社は茅野市・諏訪市にある上社と下諏訪町にある下社があり、先年ローエルの旅路を辿ったとき訪れた宿屋「桔梗屋」は下社・秋宮の傍であった。上社・下社にはそれぞれ二つずつの違った社があり、御柱祭では一つの社に四本ずつ御柱が建てられる。どの柱を担当するかは地域ごとの籤引きで決まり、我々の参加できたのは、上社前宮の三の柱であった。◆御柱祭の特徴として、御神木の切り出しから立ち上げまで、総て地元の人間の人力で行うことであり、四月の山曳きから始まって、五月の里曳き、建御柱と続いていく。◆今回私が見物できたのは建御柱で、里曳きは前日に終わっていて、御柱は既に宮入していた。当日の人出はすごく、早めに出発したが、すでに前宮の境内は人の波で、入場制限があり参道の途中で止められて、三の柱の場所まで近づくことは出来なかった。それでも少しずつ前進できて、昼前には境内にはいることが出来た。◆四本の柱は喇叭隊の応援と共に同時進行で立てられていく。周囲の立木を利用して滑車を掛け人力で廻すウインチで少しずつ角度を付けていくというやり方で、御柱にとりついて御幣(おんべ)をふる建て方と一緒に垂直にまで立てられる。木落しで怪我人が出る事はよく知られている。◆帰路には野倉に借りていた天文小屋の後片付けに、白樺湖を越えて上田方向へ向かった。以前にはよく行って星野写真などを撮っていた場所だが、この数年全く訪れることがなくなってしまっていた。還暦を過ぎて、体力・気力とも低下していて、そろそろお仕舞いにしても良いと思っていた。当時運び入れたものが多く残っていて懐かしかったが、「望遠鏡」と「SFマガジン」のバックナンバーだけ取り出して、後の処分は任せてきた。一区切り付いた感じがしている。 *(Mk)*

シー・エム・オー・フクイ　中島　孝　*Nj*

★前回報告以降、**岩崎　徹**(434)様、**森田　行雄**(435)様よりカンパを頂戴しました。有難うございました。不一

★前号は4月28日に印刷・丁合し、海外は即夜、国内は翌日発送しました。藤沢(Mk氏)、横浜(Tsさん)には5月1日、宗像(As氏)には2日に配達されたようです。不一

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

『火星通信』#372 (25 May 2010)　編集：**淺田　正**(*As*)、**南　政次**(*Mn*)、**村上　昌己**(*Mk*)、**中島　孝**(*Nj*)、**西田　昭徳**(*Ns*)

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