ISSN 0917-7388

COMMUNICATIONS IN

CMO Since 1986

MARS

No.426

25 September 2014

OBSERVATIONS

No.52

Published by the International Society of the Mars Observers

CMO/ISMO 2013/14 Mars Report #12

2013/2014 Mars Observations in June 2014

♂・・・・・In June 2004, the planet was moving in the prograde sense in the Vir constellation toward Spica. The apparent declination went down from 3°S to 7°S so that the altitude of the planet was low at the Sunset time (seen from the Northern hemisphere), and it sank beneath the western horizon before midnight. The apparent diameter δ was 11.8″ at the beginning of June, while it became under 10″on 23 June, and finally recorded δ=9.5″ at the end of June. The Martian season proceeded from λ=139°Ls to λ=154°Ls during June 2014. The phase angle augmented from ι=34° to 41° and thus the defect of illumination increased at the Planet's morning side. The tilt was around φ=25°N, and attained the maximal value 25.5°N at the early days of the month. Until the middle of June the morning mist at Utopia was active, while the arctic cloud near M Acidalium remained to be inactive. Note the south polar cap started to be glimpsed at the southern limb.

♂・・・・・During the month of June, the observers in Japan were annoyed by the presence of the rainy front which stayed for more than one month. Accordingly the domestic observations were slowing down. A total of 70 observations were received from 21 observers in the world, while domestically just 4 observers submitted 14 observations. Otherwise, we received 26 observations made by 8 observers in the US, 23 observations from 5 observers in Europe, 5 observations made by three observers in Australia, and 2 observations made at the Middle East by an Iranian observer. The following is a list of the contributed observers this period. We would like to express our gratitude to all observers for their kind contributions during the period.

AERTS, Leo *(LAt)* BELGIUM

2 *Colour* Images (1, 2 June 2014) 36cm SCT with a DMK21AU618

BOUDREAU, John *(JBd)* Saugus, MA, the USA

1 Set of *RGB* Images (8 June 2014) 37cm Dall-Kirkham with an ASI 120MM

BUDA, Stefan *(SBd)* Melbourne, AUSTRALIA

1 *Colour* Image (9 June 2014) 40cm Dall-Kirkham with a DMK21AU04

DUPONT, Xavier (*XDp*) Saint-Roch, France

10 Sets of *RGB + 1 Colour* Images (7, 11, 14, 18, 19, 21, 22, 24 June 2014)
18cm Spec with an i-NOVA PLA C+

FLANAGAN, William D *(WFl)* Houston, TX, The USA

2 Sets of *LRGB* Images (11, 12 June 2014) 36cm SCT @*f*/27 with a Flea3 ICX618

GHOMIZADEH, Sadegh (*SGh*) Roudehen, IRAN

2 *Colour* Images (7, 29 June 2014) 36cm SCT with a DMK21AU04.AS

GORCZYNSKI, Peter (*PGc*) Oxford, CT, the USA

6 Sets of *RGB* + 7 *IR* Images (2, 3, 7, 8, 16, 23 June 2014) 36cm SCT with an ASI 120MM

HILL, Richard *(RHl)* Tucson, AZ, the USA

1 *Colour* Image (1 June 2014) 20cm Maksutov-Cassegrain with a DBK21AU04

ISHIBASHI, Tsutomu *(Is)* Sagamihara, Kanagawa, JAPAN

3 *Colour* Images (1, 15 June 2014) 31cm Spec with a SONY HC9 VideoCam

KARDASIS, Manos *(MKd)* Glyfada-Athens, GREECE

5 Sets of *RGB* + 2 *Colour* Images (1, 5,~ 7 10, 11, 15 June 2014) 28cm SCT with a DMK21AU618

KUMAMORI, Teruaki *(Km)* Sakai, Osaka, JAPAN

1 *LRGB* + 1 *B* Images (19 June 2014) 28cm SCT with an ASI 120MC & Basler Ace acA1300-30gm

LEWIS, Martin *(MLw)* St. Albans, Hertfordshire, the UK

1 *Colour* Image (12 June 2014) 45cm Spec with an ASI 120MC

MELILLO, Frank J (*FMl*) Holtsville, NY, the USA

9 *Colour* Images (3, 7, 15,~17 June 2014) 25cm SCT with a ToUcam Pro II

MORALES RIVERA, Efrain (*EMr*) Aguadilla, PUERTO RICO

3 Sets of *RGB* Images (11, 13, 28 June 2014) 31cm SCT with a Flea 3

MORITA, Yukio (*Mo*) Hatsuka-ichi, Hiroshima, JAPAN

8 Sets of *RGB* + 8 *LRGB Colour* + 8 *L* + 1 *R* Images (13, 14, 18, 19, 24, 30 June 2014) 36cm SCT with a Flea 3

NISHITA, Akinori (*Ns*) Awara, Fukui, JAPAN

2 Sets of *RGB* + 2 *IR* Images (25 June 2014) 30cm Spec with a DMK21AU618.AS

PARKER, Donald C (*DPk*) Miami, FL, the USA

2 Sets of *RGB* Images (6, 29* June 2014) 36cm SCT @*f*/24, 41cm Spec @*f*/26* with an ASI 120MM

TRIANA, Charles *(CTr)* Bogota, COLOMBIA

2 Sets of *RGB* + 1 *Colour* Images (1, 2 June 2014) 25cm SCT @*f*/28 with an ASI 120MM

VALIMBERTI, Maurice *(MVl)* Melbourne, AUSTRALIA

3 Sets of *RGB* + 3 *IR* Images (5 June 2014) 36cm SCT @*f*/24 with an ASI 120MM

WARELL, Johan (*JWr*) Lindby, Skivarp, SWEDEN

2 Sets of *RGB* Images (1, 10 June 2014) 22cm Spec @*f*/27 with a DBK21AU618

WELDRAKE, David *(DWd)* Bungendore, NSW, AUSTRALIA

1 Set of *LRGB* + *1 L* Images (7 June 2014) 13cm refractor @*f*/70 with an ASI 130MM

♂·····We shall next try to give a simple review to each observation chronologically. The observer's name will be abbreviated to the code symbol whose family name will be found however when he first appears in this column. The code name is familiar to us, but otherwise the observer's list above could be helpful. We first announce that any reports were unheard on 4, 20, 26, and 27 June.

1 June 2014 (λ=139°Ls~λ=140°Ls, δ=11.8")

Charles TRIANA (*CTr*) gave two sets of tri-colour Mars images at ω=344°W and at ω=002°W. On the former images, M Acidalium is totally inside the disk, and the scene of M Acidalium should be kept in

mind since there are seen some complex cloud bands along the Oxus and along the morning terminator of M Acidalium. There also exists a thick and bright white cloud between M Acidalium and the north polar cap (npc) across Rima Borealis (Hyperboreus L is beneath the morning mist?) Near the opposite SE limb, Hellas is whitish bright and is about to go to the rear side. At ω=002°W, it is notable that there is visible a triangular dark area inside the white cloud covering the NW part of M Acidalium connected with the following morning cloud. This reminds us of the phenomenon detected at Fukui on 30 May 1999 (λ=147°Ls). Refer to CMO #234 (25 August 2000 issue). This was not an ephemeral phenomenon.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmomn0/99Note13/index.htm

Richard HILL (*RHl*) gives a single colour image at ω=358°W where a white cloud ejection is detected to the south of the npc across Rima Borealis. Some morning white cloud is suggested at the morning side of M Acidalium, while its organic work is unknown. S Sabæus is well shown together with the preceding slim Syrtis Mj.

Tsutomu ISHIBASHI (*Is*) puts two colour images side by side made at ω=118°W and 127°W. The npc is just seen, but other markings are insufficient.

Manos KARDASIS (*MKd*) produced a set of R, G, B images to compose an RGB at ω=240°W. Notable is the thick white mist at the morning side of Utopia, which is as bright as the npc. Elysium is light near the CM. Due to the low quality seeing, M Cimmerium looks blurred. The southern limb suggests a white covering. Around from the present season, the edge of the south polar cap (spc) will turn to be located around at 50°S (refer to the last article in CMO #353).

Leo AERTS (*LAt*) puts forward an RGB and an R-RGB at ω=255°W, and an IR-RGB at ω=257°W all of which are instructive. The last two images look to show more of the details, while the whitish pretty aspect of the morning mist at Utopia cannot be described without the RGB image. The mist on the R-RGB looks quite pale. The southern limb covering is most beautiful on the RGB image. In RGB, the morning Syrtis Mj is almost about to be concealed beneath the morning mist as it should.

Johan WARELL (*JWr*) gives a set of images at ω=289°W. Syrtis Mj near the CM is differently expressed in each colour, but such markings as the npc and Hellas are not depicted explicitly.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/CTr01June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/RHl01June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/Is01June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/MKd01June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/LAt01June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140601/JWr01June14.jpg

2 June 2014 (λ=140°Ls)

Peter GORCZYNSKI (*PGc*) gave a set of images at ω=320°W (+ an IR742 image at ω=323°W). Several characteristics including the details on the R image still appeal. The morning mist at Utopia still remains to be seen whitish even in the evening. This is evident in B as well as in RGB. Utopia is soon to go to the rear side. The npc in R looks impressive together with the detailed Rima Borealis and the going Olympia. The Huygens crater is still definite, and also apparent is the projection from Syrtis Mj to the direction of the vanished Mœris L. Some minor dark markings between Syrtis Mj and Utopia are well shown. How about M Serpentis? It might have been recovering?

CTr's single colour image at ω=354°W is an interesting one. The meteorological aspect at the region

from S Meridiani to M Acidalium is suggestive as well as the white mist activity between M Acidalium and the npc. Unfortunately this image is single, so that we hope we also have some following images in these cases. The npc should be put at the true bottom of the disk (by the method of *DPk* and *Mo*).

LAt gave an RGB image at ω=248°W. The morning mist at Utopia is evident. Olympia is well seen. The inside of Elysium is detailed: a pinkish streak and a whitish mist patch. Some further details of M Cimmerium are shown with Hesperia. The morning Syrtis Mj is thickly beneath the morning mist, while the reason why there is no blue tint on Syrtis Mj is unknown.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140602/PGc02June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140602/CTr02June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140602/LAt02June14.jpg

3 June 2014 (λ=140°Ls)

Frank MELILLO (*FMl*)'s image was taken at ω=316°W. Syrtis Mj is blackish dark, and Hellas is white. The npc is visible but it is too late to check Utopia.

PGc gave a set of ingredient images at ω=317°W (while the IR image at ω=319°W). Utopia shows still the remaining morning mist inside. S Sabæus and S Meridiani don't show well up. The southern neighbourhood of the npc is described interestingly. On B, an upward projection is shown from the npc. The centre of Hellas looks very white, but duller on IR.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140603/FMl03June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140603/PGc03June14.jpg

5 June 2014 (λ=141°Ls)

Maurice VALIMBERTI (*MVl*) produced three sets of images at ω=074°W, ω=080°W, and at ω=084°W. The NW part of M Acidalium is near the CM, and though this area is intrigued, no arctic cloud seems to be present, except for an expansion of blurred haze. The morning mist is not so dense, while the Tharsis trio dots are evident. The markings look fainter in general, though Solis L is dark near the southern limb, and on the opposite sphere Hyperboreus L is dark. The npc looks split.

MKd obtained a set of ingredient images at ω=171°W. The morning Utopia shows a mist on it. In B the morning Elysium suggests a white broad mist stream from the inside downward to Cebrenia. In R, Propontis I is dark. The area of Tharsis ridges seems to show some light and shade, but it is not easy to recognise the recent degenerated configuration.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140605/MVl05June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140605/MKd05June14.jpg

6 June 2014 (λ=141°Ls~λ=142°Ls)

Don PARKER (*DPk*) produced a set of images at ω=279°W by the use of C14. The defect of illumination is strong because ι =36°, and Syrtis Mj appears just before the CM: Syrtis Mj does not completely get out of the mist at Æria. Elysium near the preceding limb is full of the white cloud, from which a white mist runs to Syrtis Mj. Hellas is duller. The npc's perimeter is not clear as if covered by a haze. However Olympia is evident near the evening limb. At the northern part of the shadowy Utopia, there lies a considerable misty band.

MKd gives a single colour image at ω=213°W. Elysium is just suggestive near the CM. It is surely

certain that Utopia holds a thick morning mist. The npc is usually bright, but its form is not clear.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140606/DPk06June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140606/MKd06June14.jpg

7 June 2014 (λ=142°Ls)

PGc gives a set at ω=276°W and then gives two IR742 images at ω=279°W, 284°W. On RGB, the morning Syrtis Mj is not so bluish, while it is invisible on B, so that the colour may be proper for the present situation. Hellas is whitish near the southern limb (bright in R). It may be important to note at the present season that the inside of Utopia is thickly covered by a mist. Olympia is evident near the evening limb. The IR images show up Huygens, and show the Ætheria dark patch quite evidently. Elysium is however not so bright in IR.

FMl gives a single colour image at ω=286°W. Syrtis Mj is dark bluish. Utopia is dark brownish. Hellas, the npc and the preceding limb side (including Elysium?) are whitish.

David WELDRAKE (*DWd*) shows, by the use of a 13cm refractor, an LRGB image and the associated images at ω=055°W. Interesting image set. Hyperboreus L and the northern part of M Acidalium which shows fainter areas inside are dark evident. There is seen a misty area to the west of Iaxartes, which may no more arctic cloud. The npc is whitish bright with a roundish shape. There are visible brownish grounds just at the preceding area as well as at the following area of M Acidalium. The area of Solis L looks quite dark adjacent to a misty band. The southern limb is whitish bright.

Sadegh GHOMIZADEH (*SGh*) gives a single colour image at ω=162°W in which the northern shadowy area seems to be occupied by a thick mist.

Xavier DUPONT (*XDp*) obtained a single colour image at ω=170°W, as well as a composite of R, V, B components at ω=186°W. Both of the RVB images show well the degenerated areas of the Tharsis ridges and Olympus Mons. Especially the latter image set shows the morning Elysium clearly. In B the cloud associated with Elysium goes down to Cebrenia. Propontis I is evident in R. The npc is small. There is seen Olympia to the SW of the npc.

MKd gives a set with ingredient data at ω=181°W. The region of Tharsis et Olympus Montes is somewhat detailed, but weakly compared to the data on previous days. Elysium is misty at the morning side. It is surely seen in R and G (also in B) that the left-hand edge of the npc looks to project and swirl back beyond Olympia.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/PGc07June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/FMl07June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/DWd07June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/SGh07June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/XDp07June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140607/MKd07June14.jpg

8 June 2014 (λ=142°Ls~λ=143°Ls)

John BOUDREAU (*JBd*) gives a very nice data set at ω=274°W by the use of a 37cm Dall-Kirkham together with the same camera as used by *DPk*. The mist at Utopia is impressive, and looks still staying on the morning side. Olympia is near the evening limb, keeping a good shape. The evening Elysium shows a fine structure: A rectilinear expansion of a cloud may look to pass Elysium Mons. The southern

limb is whitish bright. The morning mist at Æria looks not thick, while the mist around Syrtis Mj is expanded.

PGc gives a set at ω=276°W (+IR image at ω=279°W). The mist at Utopia is as well described. It is impressive in B. The morning mist around Syrtis Mj is seen well in B.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140608/JBd08June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140608/PGc08June14.jpg

9 June 2014 (λ=143°Ls)

Stefan BUDA (*SBd*) gives a single colour image at ω=028°W. The image is so excellent that Brangæna is definitely described, and the "Oxus dark segment" is about to be visible. The inside of M Acidalium is well described together with Hyperboreus L and the area of the npc. But it should be said that no arctic cloud is positively found. The southern limb is duller and the whole of the disk gives an impression that the atmosphere may be likely hazed.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140609/SBd09June14.jpg

10 June 2014 (λ=143°Ls~λ=144°Ls)

MKd gives a single colour image at ω=147°W. The area of the npc looks blurred, and no detail is given around the region of Tharsis. As to the distribution of whitish matter (cloud or mist) we may now take the local time into account.

JWr gives a data set of images at ω=180°W. From Sweden, the altitude of Mars is now 18 degrees. The R image may be better. Propontis I looks to be checked, but the npc is obscure.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140610/MKd10June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140610/JWr10June14.jpg

11 June 2014 (λ=144°Ls)

Efrain MORALES (*EMr*) obtained a set of data images at ω=234°W. The morning mist at Utopia is beautiful. On B, the Utopia morning mist is as bright as the couple of the npc and Olympia. The morning mist preceding Syrtis Mj is a bit weaker than the Utopia mist. This is seen on the B image. The inside of Elysium is slightly whitish while sending a broad mist band to the morning side (Syrtis Mj is not yet explicit). Cebrenia is a bit misty light, the Ætheria dark patch is explicit in R, and Propontis I is a bit weaker. The southern limb looks hazy (not very bright).

Bill FLANAGAN (*WFl*) showed a set of R, G, B and LRGB images at ω=262°W. On B the morning mist at Utopia takes a form of a long, narrow and thicker strip, but does not show up on R. On LRGB, the inside of the evening Elysium has a fine structure with a pinkish streak and another whitish one. The west end of M Cimmerium is still visible with a detail: The light and shade distribution, which comes from R, is interesting. Syrtis Mj is not apparent in B, while wholly apparent in R, and hence it is bluish. Note that Olympia is whiter and brighter than the npc itself.

MKd gives a set of data images at ω=143°W where the seeing condition has improved. Olympia is seen detached from the npc at the morning side. The southern limb area is not clear, but the tail of M Sirenum may be caught. The area of Tharsis is now more detailed than before, and Arsia Mons is evident as a darker terrace (as well as Phœnicis L). Compare with the images by *PGc* on 23 June below.

XDp also gives a set of images at ω=147°W. Here Olympia clearly detaches from the npc. However

the preceding limb of the disk has a ghost arc so that we are discouraged to survey the identification of some minor shadowy spots near Tharsis.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140611/EMr11June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140611/WFl11June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140611/MKd11June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140611/XDp11June14.jpg

12 June 2014 (λ=144°Ls~λ=145°Ls)

WFl gives a set of ingredient images at ω=249°W. The following two points are very interesting: a) the bright spot which may correspond to Elysium Mons appears explicit similarly on every data image; b) Olympia is particularly brighter than the npc which is duller. The morning mist in Utopia definitely stays, and contains a part which is bright in B. And this time it is safe to say the Utopia mist is connected with the mist around Syrtis Mj (in B, Syrtis Mj is concealed). The western half of M Cimmerium is visible and detailed together with Hesperia. The southern limb is a bit dirty white.

Martin LEWIS (*MLw*) gives a single colour image at ω=158°W. The morning Olympia is detached from the npc. We can have a rough identification of several items like Olympus Mons and Tharsis ridges. However since ι=38°, the region may be a little far from the evening effect. The mist concerning Utopia is not clear.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140612/WFl12June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140612/MLw12June14.jpg

13 June 2014 (λ=145°Ls~λ=146°Ls)

EMr obtained a set of data images at ω=223°W. These are good ones showing the colour tendency of the ground, light and shade inside the disk and the distribution of mists. The morning mist over Utopia is quite evident, and as bright as the npc in B. The morning mist preceding Syrtis Mj looks weaker than the Utopia mist. The mist inside Elysium flows out to the direction of Syrtis Mj, while it also goes down to Cebrenia in the evening. There is a ground which is free from the mists to the west of Cebrenia (at the same time to the south of Utopia). The area of Phlegra is also similar. These areas show a tint of brown and dark in B. Olympia is near the CM, and bright and white. The southern limb is whitish hazed.

Yukio MORITA (*Mo*) obtained a set of images at ω=021°W when he met with a lull in this monsoon season. The data set consists of L, R, G, B images from which he composes an LRGB image as well as an RGB image. These images are above average for the diameter δ=10.7", but it is not good for the colour images to miss the white colour for the npc. The B image must be poor. Brangæna is visible and Oxia P is well produced. The angle is favourable since M Acidalium is wholly visible. The arctic cloud is not found.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140613/EMr13June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140613/Mo13June14.jpg

14 June 2014 (λ=146°Ls)

Mo then obtained a similar set of images at ω=004°W. M Acidalium is at the morning side, while it may be impossible to pin down any arctic cloud even if any cloud exist because the npc itself is quite blurred. Syrtis Mj appears quite slim near the preceding limb in RGB, LRGB. Just S Sabæus is evident. The southern limb is covered by a bright matter.

XDp gives a set of data images at ω=123°W. Olympia and the npc are more evident than expected, and the southern limb suggests a bright covering. The several groups of dots on the southern region nicely include the Tharsis ridges where the Arsia Mons part is very evident together with Phœnicis L et al. Olympus Mons is also identifiable. These were suggested previously by the images of *MKd* and *XDp* on 11 June. See also the images by *PGc* on 23 June. The ghost at the preceding limb might have been caused by the dé rotation.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140614/Mo14June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140614/XDp14June14.jpg

15 June 2014 (λ=146°Ls~λ=147°Ls)

FMl put forward two sets of data images at ω=202°W, 216°W, but these were regarded as dubious from the outset. The data set on R, G and B must be a direct decomposition of the original ToUcam colour image, and for instance all data look quite similar. Especially the B image readily reveals that it does not exclude the longer wave length light. These images may not be appropriate for the detection of dust storms nor the white cloud outburst.

Is reported two images within the angle at ω=019°W. The existence of such marking as S Meridiani or M Acidalium is checked, but no more.

MKd gives a set of better images at ω=104°W. M Acidalium lies near the preceding limb with explicit expression of Nilokeras. Solis L is well dark to the north of the white covering at the southern limb. Tithonius L is also visible. However the white matters are not clear, so that the atmospheric behaviour cannot be caught exactly at the northern part of M Acidalium. It is possible to pin down the three ridges at Tharsis as well as Olympus Mons. On the B image, the cloud appearances at the west of Tempe and at the SW direction of the npc are evident, but the large mist around at Tharsis is not reproduced thick any longer.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140615/FMl15June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140615/Is15June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140615/MKd15June14.jpg

16 June 2014 (λ=147°Ls)

FMl chased the extraordinary pseud-whitish matter at Elysium to Cebrenia at ω=185°W, 198°W and at 213°W. The area of Phlegra is dark in a brownish tint.

PGc gives a set of three ingredient images at ω=208°W (+ IR742 image at ω=210°W). The aspect of the inside of Elysium is well fixed. On the B image, as well as in RGB, the inside of Elysium and Cebrenia shows that the mist is not so bright. The morning mist at Utopia looks strong. The perimeter of the npc is blurred while Olympia is caught near the CM. Olympia may turn to be brighter near the evening. In IR, M Cimmerium is shot in a detail. The area of Phlegra looks normal, and Propontis I is dark.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140616/FMl16June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140616/PGc16June14.jpg

17 June 2014 (λ=147°Ls~λ=148°Ls)

FMl further chased the extraordinary whitish matter at Elysium to Cebrenia at ω=178°W and 200°W. Still the matter appears. The preceding limb is also very whitish. The image at ω=200°W should be possi-

ble to show Olympia.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140617/FMl17June14.jpg

18 June 2014 (λ=148°Ls)

Mo obtained three sets of images at ω=325°W, 329°W, 334°W. The evening mist begins now to hang over the preceding area of Syrtis Mj. Hellas is not so whitish nor bright in RGB (the B images are poor in producing Hellas). On the last image set the twin nails of S Meridiani is appearing, though still the npc is not whitish. In R however the markings are more apparent. The RGB images are all above average for δ= 10.4". The condition must have been poorer since the planet is now low in the evening sky from Japan.

XDp puts forward a good set of data images at ω=096°W. The npc is clear from any filters. Hyperboreus L is dark. To the north of the lying M Acidalium (and at the east of Iaxartes), there is seen an evening cloud. The morning mist is visible in B at morning Tharsis, and trio of ridges are visible. Especially the Arsia Mons area is evident as an isolated dark brownish terrace. Tithonius L is also checked. Excellent work by the use of an 18cm Newtonian.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140618/Mo18June14.jpg

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140618/XDp18June14.jpg

19 June 2014 (λ=148°Ls~λ=149°Ls)

Teruaki KUMAMORI (*Km*) came on stage after a while with a single colour image at ω=318°W (plus a B image at the same angle). The scene is the one where Syrtis Mj is visible on the afternoon side, and a light Hellas is seen near the preceding limb. The area of the npc is largely blurred but usually light.

Mo gives two sets of data images at ω=324°W and at ω=329°W. The former may be the nicer set of average images. The npc and Olympia are well caught in R, but look yellowish in RGB. Hellas at the preceding limb also lacks whitish tint. R is better than L and reproduces more of minor markings on the desert. M Serpentis looks darker than a little before. In B, the preceding area of Syrtis Mj is misty light on both image sets.

XDp gives a set of data images at ω=084°W. The images are all above average. The npc is roundish small. Hyperboreus L is dark, and this density applies to Solis L on the southern hemisphere which may be affected by the meteorological condition of the southern limb side. M Acidalium is completely inside the disk, and followed by Nilokeras and Ganges. Tithonius L is also well visible. Tharsis Montes are clearly isolated. On B, the mist around Tharsis is rather thick. Maybe no arctic cloud is found at the northern morning side. These images are good enough to be displayed 1.5 times larger.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140619/Km19June14.jpg

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140619/Mo19June14.jpg

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140619/XDp19June14.jpg

21 June 2014 (λ=149°Ls~λ=150°Ls)

XDp gives two sets of images at ω=035°W, 043°W. The RVB is the one having a magnification of 1.2 times. On both images, M Acidalium looks stately near the CM: The NW part is darker, and the central area may be slightly hazed. At least the following Tempe shows a morning mist. Ganges is brownish. The southern limb side is widely whitish. The season λ=150°Ls implies that the spc returns to be symmetric with the perimeter around at 50°S (see the last article in CMO #353).

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140621/XDp21June14.jpg

22 June 2014 (λ=150°Ls)

XDp also gives two sets of data images at ω=026°W, 047°W. Both are excellent. M Acidalium looks normal. A mist prevails from the centre of M Acidalium to the morning Tempe. Hyperboreus L is dark and definite. The npc is clear, roundish small. The southern limb is clearly occupied by the spc which is down to the southern end of the darkish M Erythræum.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140622/XDp22June14.jpg

23 June 2014 (λ=150°Ls~λ=151°Ls)

PGc gives a set of images at ω=133°W (+ IR742 image at ω=136°W). The RGB images can be compared with those images by *MKd* and *XDp* on 11 June around at ω=140°W (also with *XDp*'s one made on 14 June) concerning several small markings on the southern hemisphere. There are visible the Tharsis Montes trio where Arsia Mons is large and quite dark. The preceding Phœnicis L and Tithonius L are also evident. It is also possible to pin down the area of Olympus Mons. Note also that a thick broad mist band lies at the afternoon side along the same latitude as Alba (from the hidden Tempe to Arcadia). The area of the npc (+Olympia) is evident on R and IR. However we may say the axis of the image is not right. The npc should be exactly at the bottom of the image by employing the method of *DPk* and *Mo*.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140623/PGc23June14.jpg

24 June 2014 (λ=151°Ls)

Mo obtained an R image at ω=269°W, and a set of data images at ω=279°W. The diameter δ at last has gone under 10". On the former R image, the inside of Elysium and the western end of M Cimmerium are well described, but without B, the value reduces by half. At ω=279°W, the RGB image shows well the light and shade inside Utopia, but the remaining mist is not so explicit. On B, the preceding part of Syrtis Mj is a bit misty, and the tail of Olympia extends southward. The spc to the S of Hellas is not whitish bright.

XDp gives a nicer set of images at ω=010°W. M Acidalium is completely inside the disk, and a misty area is seen at Tempe at the morning terminator. There may exist a blown-out mist southward from the npc. The southern limb is definitely white.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140624/Mo24June14.jpg

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140624/XDp24June14.jpg

25 June 2014 (λ=151°Ls~λ=152°Ls)

Akinori NISHITA (*Ns*) obtained two sets of data images at ω=263°W and at ω=270°W. Aimed at the morning Syrtis Mj, *Ns* was successful since any shadow of Syrtis Mj in B does not show up. Hence Syrtis Mj on RGB is bluish, but quite dark blue or shows a dark green grass tinge. ι=40°. The inside of Utopia is faded, but also the same on IR so that it is not because of mist. The declination of the axis is not exact. The method used by *DPk* and *Mo* should be employed.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140625/Ns25June14.jpg

28 June 2014 (λ=153°Ls)

EMr gives a set of images at ω=079°W. M Acidalium lies near at the preceding limb. The npc looks blurred but more definite in G. The morning mists are seen at the following area of Tempe and at the morning Tharsis (some ridges are visible). The area of Tithonius L is checkable, but the area of Solis L is simply darkish. Ophir-Candor is bright in every ingredient. Ganges is dark brownish. The southern edge is bright, but does it show a deviation?

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140628/EMr28June14.jpg

29 June 2014 (λ=153°Ls~λ=154°Ls)

DPk gives a set of data images at ω=081°W. The RGB image looks extraordinary with a rare expression: The whole disk looks wrapped in a mist while the central part is apparent and quite detailed with the ground dotted markings. For instance, the evening side of M Acidalium is impassive while such following markings as Nilokeras are nicely detailed. A dot at the northern part of Tempe is clearly exposed. Otherwise the northern part of Auroræ S is fine, but Tithonius L looks hazy. Ophir-Candor is bright since it is near the CM. The morning mist around at Tharsis is quite thick, very bright in B, but the Tharsis trio are rather evident as dark dots. Notable is the northern end of the thick morning mist which looks as if protruded from the terminator just like a big bump. The details are due to the R image where the npc as well as the southern limb are dim without brightness. Around the WS of Iaxartes there exists a bit brighter (looks dusty) part but not so evident on the B image.

SGh gives a single colour image at ω=298°W. Misty expansions are seen at Syrtis Mj and at Utopia, but no good signs concerning Hellas and the npc.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140629/DPk29June14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140629/SGh29June14.jpg

30 June 2014 (λ=154°Ls, δ=9.5")

Mo finally gives a set of images at ω=214°W. Extraordinary is the white cloud band which lies thickly at the northern part of Utopia (to the south of Rima Borealis) instead of Olympia. This is evident not only on B but also on R. Otherwise, Elysium is visible near the CM, and shows pinkish streaks inside (without white mist yet). The southern limb to the S of M Cimmerium is adequately whitish.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140630/Mo30June14.jpg

Masatsugu MINAMI (*Mn*) & Masami MURAKAMI (*Mk*)

Letters to the Editor

●····***Subject: Mars - July 30th***
Received: 1 August 2014 at 03:25 JST

Hi Mr. Minami and All!, My latest session from july 30th under average conditions.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140730/EMr30July14.jpg

○····***Subject: Mars - August 3rd, 11th***
Received: 13 August 2014 at 04:11 JST

Hi Mr. Minami!, Here are two sessions taken recently the weather has not helped as it gets difficult to image Mars with details but will continue!.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140803/EMr03Aug14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140811/EMr11Aug14.jpg

Efrain MORALES (Aguadilla, PUERTO RICO)

●····***Subject: Mars images (April 28th, 2014.)***
Received: 3 August 2014 at 05:10 JST

Hi all, The final set of Mars images from the pe-

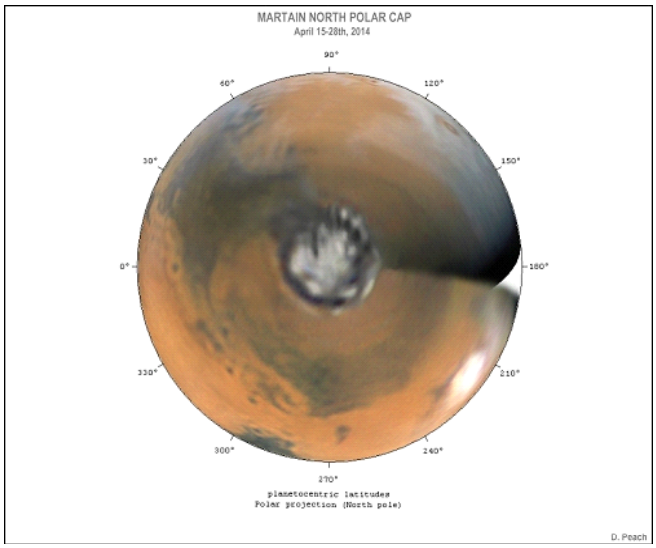
riod. Seeing was again very good. Elysium is nicely seen rotating off the disk. Best Wishes

http://www.damianpeach.com/mars1314/2014_04_28rgbs.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140428/DPc28Apr14.jpg

○····***Subject: Martian North Polar Region in 2014***
Received: 14 August 2014 at 06:11 JST

Hi all, Here is a polar projection map of the NPR generated from my images taken April 15-28th, 2014. This was created with WINJUPOS. The cap is seen at around Ls 120. Various details can be seen including outlaying portions and the prominent Chasma Borealis rift. Best Wishes

http://www.damianpeach.com/mars1314/north_polar_region_2014.jpg



○····***Subject: Mars movie 2014***
Received: 16 August 2014 at 05:02 JST

Hi all, Here is a Mars animation made from my series of images in late April created with WINJUPOS. Unfortunately i did not get enough coverage to complete an entire rotation, though the only section missing is probably the least interesting region :-) Best Wishes

http://www.damianpeach.com/mars1314/mars2014_rotation.wmv

Damian PEACH (Selsey, WS, the UK)
http://www.damianpeach.com/

●····***Subject: Mars: August 1, 2014***
Received: 3 August 2014 at 10:54 JST

Hi - I have attached my latest image of Mars August 1, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140801/FMl01Aug14.jpg

○·····***Subject: Mars: August 5, 2014***
Received: 7 August 2014 at 11:46 JST

Hi - I have attached my latest image of Mars August 5, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140805/FMl05Aug14.jpg

○····***Subject: Mars: August 9, 2014***
Received: 11 August 2014 at 10:39 JST

Hi - I have attached my latest image of Mars August 9, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140809/FMl09Aug14.jpg

○····***Subject: Mars: August 14, 2014***
Received: 16 August 2014 at 13:56 JST

Hi - I have attached my latest image of Mars: August 14, 2014 to be posted.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140814/FMl14Aug14.jpg

○····***Subject: Mars: August 18, 2014***
Received: 20 August 2014 at 12:06 JST

Hi - I have attached my latest image of Mars August 18, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140818/FMl18Aug14.jpg

○····***Subject: Mars: August 24, 2014***
Received: 28 August 2014 at 11:05 JST

Hi - I have attached my image of Mars August 24, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140824/FMl24Aug14.jpg

○····***Subject: Mars: August 28, 2014***
Received: 30 August 2014 at 13:45 JST

Hi - I have attached my latest image of Mars August 28, 2014 to be posted. Thanks,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140828/FMl28Aug14.jpg

Frank J MELILLO (Holtsville, NY)

●····***Subject: Mars images (31 July)***
Received: 4 August 2014 at 19:37 JST

MINAMI-sensei. Please find attached the images taken on 31 July. I tried to set them to be 1.2 times larger than the original. With best wishes.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140731/Ns31July14.jpg

Akinori NISHITA (Fukui, JAPAN)

●····***Subject: Mars 2014/06/10***
Received: 7 August 2014 at 01:27 JST

Hello, a delayed observation of Planet Mars under poor

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140610/MKd10June14.jpg

○····***Subject: Mars 2014/06/11***
Received: 7 August 2014 at 01:33 JST

Hello, a delayed observation of Planet Mars under poor seeing. Clouds in Tempe and Cerbenia. Southern haze

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140611/MKd11June14.jpg

○····***Subject: Mars 2014/06/15***
Received: 7 August 2014 at 21:21 JST

Hello, another delayed observation of Planet Mars under poor seeing. Clouds in Daedalia & Memnonia. A dense cloud formation N of Scandia near NPC. Dense Southern Clouds.

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140615/MKd15June14.jpg

Manos KARDASIS (Glyfada-Athens, GREECE)
http://kardasis.weebly.com/mars-2013-14.html

●····***Subject: A small Mars 11th August 2014***
Received: 11 August 2014 at 21:58 JST

Attached is an image of Mars taken this evening in average seeing. It has been a while since we have had clear skies here in Melbourne (nearly two months), and it is amazing to see how much Mars has become smaller in that time. Possibly one of the last Mars images for me this apparition. Regards

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140811/MVl11Aug14.jpg

○····***Subject: Mars 14th August 2014***
Received: 14 August 2014 at 21:43 JST

Here are some Mars images from the 14th August taken in average to fair seeing. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140814/MVl14Aug14.jpg

○····***Subject: Mars 15th August 2014***
Received: 15 August 2014 at 20:58 JST

Here is an image of Mars taken this evening in fair seeing. Note the small NPC remnant that is still visible. regards

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140815/MVl15Aug14.jpg

○····***Subject: another Mars 15th August 2014***
Received: 17 August 2014 at 10:21 JST

Apologies that this one wasn't sent with my other image from the 15th. This one was taken a little earlier in the night in similar seeing. best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140815/MVl15Aug14.jpg

○····***Subject: Mars 21st August 2014***
Received: 21 August 2014 at 21:27 JST

Attached is the best of a number of image sets of Mars taken tonight. Seeing was a little better this evening. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140821/MVl21Aug14.jpg

○····***Subject: mars 22nd August 2014***
Received: 22 August 2014 at 20:04 JST

Here is an image of Mars taken this evening in fair seeing.. Kind regards

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140822/MVl22Aug14.jpg

○····***Subject: Mars 25th August 2014 poor seeing***
Received: 25 August 2014 at 21:38 JST

Here are some images of Mars from this evening taken in very poor seeing. A very fast N-S jet stream made it very difficult to image. Hopefully the seeing will get better soon before Mars gets too small.. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140825/MVl25Aug14.jpg

○····***Subject: Mars 26th August 2014***
Received: 26 August 2014 at 21:33 JST

Another evening of bad seeing tonight. Attached is an image of Mars taken in poor conditions just after sunset. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140826/MVl26Aug14.jpg

○····***Subject: Mars 27th August 2014***
Received: 27 August 2014 at 19:48 JST

Seeing was better this evening than it has been recently, but images deteriorated rapidly as the C14 cooled down. Here is an image of Mars taken early; just after sunset. There appears to be some dust(?) activity in SW Hellas/M. Serpentis. Comments from other observers would be appreciated. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140827/MVl27Aug14.jpg

○····***Subject: Mars 28th August 2014***
Received: 28 August 2014 at 21:58 JST

Seeing was good this evening but intermittent cloud made imaging difficult. The possible dust activity I cited yesterday still seems to be active in SW Hellas. Unfortunately, I have a poor western horizon here & this will no doubt affect my ability to take images for much longer. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140828/MVl28Aug14.jpg

○····***Subject: Mars 29th August 2014***
Received: 29 August 2014 at 21:29 JST

Seeing this evening was fair, but not as good as last night. I have attached two image sets taken this evening. Bright Hellas/M.serpentis activity seems to be continuing for the moment. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140829/MVl29Aug14.jpg

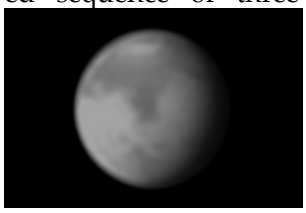
○····***Subject: Mars 30th August 2014***
Received: 30 August 2014 at 20:52 JST

I have attached two image sets of Mars taken this evening in fair seeing. Dust appears to be contained within Hellas, moving a little over the past day.
Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140830/MVl30Aug14.jpg

○····***Subject: Re: Mars 30th August 2014***
Received: 31 August 2014 at 09:27 JST

Thank you Roger. Attached is an upscaled animated sequence of three red channel frames. This



makes it easier to see the 'shape' of the disturbance as the planet rotates. Best wishes

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmo/red_channel.gif

On Sat, 30 Aug 2014 13:08:37 -0400, Roger Venable wrote:
Thanks, Maurice. It's really a good sequence of images that you have produced. -- Roger

---

Maurice VALIMBERTI
(Melbourne, AUSTRALIA)

●····***Subject: Mars 7 August***
Received: 13 August 2014 at 09:40 JST

Hi All. I have attached RGB Mars images from 7 August. Done before sunset. SPC very bright -- possible SPC/SPH edge as Mars nears the vernal equinox. Numerous patchy clouds over the north polar region are seen. Hazes are present over Acidalium/ Tempe. Best,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140807/DPk07Aug14.jpg

○····***Subject: Mars 12 August***
Received: 23 August 2014 at 06:10 JST

Hi All, I have attached RGB Mars images from 12 August. There were numerous patchy clouds over the NPR and Cydonia. A cloud was seen over Noachis on the S. Limb. Best,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140812/DPk12Aug14.jpg

Don PARKER (Coral Gables, FL)

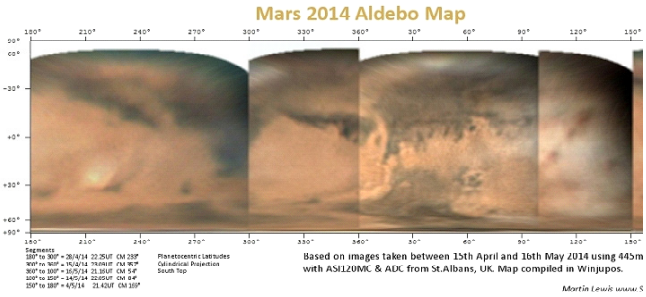
●····***Subject: Mars 2014 Albedo Map***
Received: 27 August 2014 at 07:57 JST

Hi Everyone, As Mars has all but gone from our skies now please find attached my 2014 apparition albedo map based on images I took of the planet this season and compiled in Winjupos.

A link to the page is here;

http://www.skyinspector.co.uk/Mars-Albedo-Maps%282376972%29.htm .
(*Ed:See also* http://www.mars.dti.ne.jp/~cmo/MLw_map2014.jpg)

Unfortunately, I had fewer imaging opportunities



this apparition compared to recent previous ones and so some regions are not well covered especially at around longitudes 150°W and 300°W. This absence of data makes the task of blending the different sections to make a seamless map nearly impossible and consequently I have decided not to go for a fully blended map but just to soften the edges of the individual sections to make the joints less visually jarring. Hope you find it of interest anyway.

Best regards,

Martin LEWIS (St. Albans, the UK)
See more at www.skyinspector.co.uk

●····***Subject: Abstract withdrawal from EPSC***
Received: 1 September 2014 at 01:52 JST

Dear friends, I'm sorry to inform you that I have been forced to withdraw my abstract about Mars observations at the 2014 EPSC. This is because I have been completely busy this summer on working on a book about planetary astronomy - that took us much more time than initially expected (two full months, i.e. exactly the time I had planned to use for EPSC). Looking forward to seeing you maybe at EPSC 2015! Have a good time in Lisboa.

Christophe PELLIER (Nantes, FRANCE)

●····***Subject: Re: Abstract withdrawal from EPSC***
Received: 2 September 2014 at 02:59 JST

Hi Christophe,

I deeply regret that, but fully understand you as my own small participation to the book took me a lot of time, which leads me to the fact that I have

not prepared my presentation for next week yet:

I hope we will see you next year, wherever it is !

Marc DELCROIX (Tournefeuille, FRANCE)

●····*Subject: Mo11July~17Aug*
Received: 2 September 2014 at 01:07 JST

Masatsugu MINAMI-sama, Here are shown the Mars images I took during the period from 11 July to 17 August. It is regrettable to inform that we were worried about by the cloudy skies throughout August. Best wishes,

http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140817/Mo17Aug14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140728/Mo28July14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140723/Mo23July14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140721/Mo21July14.jpg
http://www.kwasan.kyoto-u.ac.jp/~cmo/cmons/2013/140711/Mo11July14.jpg

Yukio MORITA (Hiroshima, JAPAN)

●····*Subject: How are you?*
Received: 7 Sept 2014 at 01:36 JST

Dear Masatsugu, I have not heard from you in a while. I hope this message finds you in good health.

I am sad that Mars is now too far away from the Earth to observe well, but happy because this means that the CMO will need more historical articles, which I willingly supply. · · · · ·

○····*Subject: Remembering ANTONIADI*
Received: 21 Sept 2014 at 00:44 JST

Dear Martian colleagues, I am remembering that it has been 5 years ago that we celebrated (at the Paris and Meudon observatories) the centennial of E. M. Antoniadi's magnificent views of Mars with the *"Grand Lunette"* from Meudon, in a meeting that was memorable indeed, and am thinking of all of you who were there.

I'm thinking that it might be high time to have another international Mars meeting, and am proposing that possibly sometime in 2016 would be ideal, since that will be the centennial of the last opposition of Mars Percival LOWELL observed and also of the great man's death (November 12).

We would (we must) have it in Flagstaff, and I am sure we could get the observatory to sponsor it.

At this point I am just thinking ahead and trying to gauge response and whether there would be general interest in such an event. I'll send this message to others whose e-mail addresses I don't have on hand but may be available to me at my workplace, and please do the same also sending it on to others who might potentially be interested in this affair. I am also cc:ing it to some friends at Lowell Observatory. Best wishes,

Bill SHEEHAN (Willmar, MN)

☆ ☆ ☆

International Society of the Mars Observers (ISMO)

Advisory Board: **Donald PARKER, Christophe PELLIER, William SHEEHAN, and Tadashi ASADA, Reiichi KONNAÏ, Masatsugu MINAMI**

Bulletin: **Kasei-Tsûshin CMO** (**http://www.mars.dti.ne.jp/~cmo/ISMO.html**)

CMO #426/ ISMO #52 (25 September 2014)

Editorial Board: **Tadashi ASADA, Masatsugu MINAMI, Masami MURAKAMI, Takashi NAKAJIMA and Akinori NISHITA**

☆ *Any e-mail to CMO/ISMO including the image files is acknowledged if addressed to*

cmo@mars.dti.ne.jp (Masami MURAKAMI in Yokohama)

vzv03210@nifty.com (Masatsugu MINAMI at Mikuni-Sakai, Fukui)

☆ *Usual mails to CMO are acknowledged if addressed to*

Dr Masatsugu MINAMI, 3-6-74 Midori-ga-Oka, Mikuni, Sakai City, Fukui, 913-0048 JAPAN