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CMO Mars Observations during the Second Half of November 2007 from 16 November (348°Ls) to 30 November 2007 (356°Ls)

2007年十一月後半(16 Nov～30 Nov)の火星面觀測

南　政次・村上　昌己

Masatsugu MINAMI & Masami MURAKAMI

THE planet Mars will be closest to the Earth on 18/19 December (λ=005°Ls) and at opposition on 24 December (λ=008°Ls). Since the observable time is now quite elongated, we publish the CMO fortnightly for a while. The planet became stationary on 15 Nov at Gemini, and has become to rise earlier, and so we should say we have become busy. But unfortunately the weather condition here at the rear side of the Japan islands continues to be very dismal, while a fine sky visits frequently at the side which faces to the Pacific Ocean, though we hear the seeing condition remains poor there. Furthermore the planet soon rises up to the zenith and it is hard for the refractor users like us to observe when the condition is supposed to be better. It is still not easy to decipher the dark marking network of the Martian surface since the whole surface has been affected widely by the spread of the sedimentation of the Noachis storm sands. However the apparent diameter rapidly rose from δ=13.7" to 15.1", and the phase angle also rapidly decreased from ι＝29° to 20° during this period. The central latitude was around φ=7°N to 6°N. The Martian season was just before the northern spring equinox. The tilt on 9 December at λ=000°Ls is φ＝4.3°N.

♂……十二月は18/19Decの最接近、24Decの衝を迎え、觀測時間も長くなるから、今回から半月後との報告とする。15Novに留となり、火星は双子座から離れ、出が早くなり、慌ただしくなったが、天候はままならない、特に北陸はいつも週間天氣豫報は全滅のことが多い。表日本もシーイングに恵まれるかどうか。更に、火星表面が砂だらけで、本来の暗色模様が戻って居らず、甚だ淡い上に、直ぐ天頂にやってくるので、福井のように屈折では難儀なものである。

視直徑はこの二週間で、13.7"から15.1"と可成り大きく延び、位相角もι＝29°から20°へと急激に落ち、急に圓味を帯びてきた。季節もλ=357°Lsまで進み、北の春分手前である。中央緯度φは7°Nから6°Nでこれから下がる。9Decの春分時、φ＝4.3°Nである。

♂……The observations contributed this time are as follows: A total of 39 observers sent us their observations. 今回の報告は次の様である。39名だが、それでも入れ替わりがある。

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

2 *Colour* Images (29/30 November 2007)　*f*/50⊗23cm SCT with a DMK21AF

AKUTSU, Tomio 阿久津 富夫 (*Ak*) 菲律賓 Cebu, the Philippines
2 Sets of *RGB* + 2 *IR* Images (30 November 2007) *f*/50⊗20cm SCT with a DMK21AF04

AMADORI, Vittorio ヴィットリオ・アマドリ (*VAm*) 義大利 Soiano del Lago, Italia
1 Set of *RGB* + 2 *IR* Images (29/30 November 2007) 27cm speculum with Vesta Pro

ARDITTI, David デイヴィッド・アーディッチ (*DAr*) 英國 Stag Lane, Edgware, UK
3 Sets of Images (16, 17* November 2007) 28cm SCT/36cm* SCT with a SKYnyx 2-0

BOSMAN, Richard リシャルト・ボズマン (*RBs*) 尼德蘭 Enschede, Nederland
1 Set of *RGB* + 1 *Colour* Images (18, 27 November 2007) *f*/50⊗28cm SCT with an ATK-2HS

CASQUINHA, Paulo パウロ・カスキニャ (*PCq*) 葡萄牙 República Portuguesa
2 Sets of *RGB* Images (23, 29 November 2007) *f*/44⊗36cm SCT with a SKYnyx 2-0M

DELCROIX, Marc マルク・デルクロア (*MDc*) 法國 Tournefeuille, France
2 Sets of *RGB* + 2 *IR* Images (17, 18 November 2007) *f*/58⊗25cm SCT with SKYnyx 2-0M

DICKINSON, William H ビル・ディキンソン (*WDc*) 維吉尼亞 Glen Allen, VA, USA
1 Set of *R(G)B* Images (21 November 2007) 20cm SCT with a DMK21AF04 AS

DUPONT, Xavier グザヴィエ・デュポン (*XDp*) 法國 Saint Roch, France
3 *Colour* + 1 *B* Images (17, 28 November 2007) *f*/53⊗18cm speculum with a ToUcam Pro I

FLANAGAN, William D ビル・フラナガン(*WFl*) 德克薩斯·休斯敦 Houston, TX, USA
3 Sets of *RGB* Images (27 November 2007) *f*/36⊗36cm SCT with a Lu075M

GHOMIZADEH, Sadegh サデグ・ゴミザデ (*SGh*) 伊朗·德黑蘭 Tehran, Iran
3 *Colour* + 1 *B* Images (16, 19, 27 November 2007) *f*/37⊗28cm SCT with a ToUcam Pro III

GORCZYNSKY, Peter ピート・ゴルチンスキー (*PGc*) 康涅狄格 Oxford, CT, USA
6 Sets of *RGB* + 5 *IR* Images (17, 24, 25, 30 November 2007)
f/42⊗18cm Mak-Cass with a DMK21AF04

HANCOCK, Ian R イアン・ハンコック (*IHn*) 英國·坎特伯雷 Canterbury, UK
1 *Colour* + 1 *R* Images (21 October: 17 November 2007) *f*/30⊗25cm SCT with a Lu075M

HEFFNER, Robert ロバート・ヘフナー (*RHf*) 名古屋 Nagoya, Aichi, Japan
1 *Colour* Image (16 November 2007) 28cm SCT with a DMK21AF04

HIDALGO-TORTOSA, Emilio エミリオ・イダルゴ(*EHd*) 西班牙La Carolina, Jaén, España
2 *Colour* Images (18, 19 November 2007) *f*/44⊗30cm Dall-Kirkham, ToUcam Pro

KOWOLLIK, Silvia シルヴィア・コヴォッリク (*SKw*) 德國 Ludwigsburg, Deutchland
1 Set of *RGB* + 1 *IR* Images (29 November 2007) *f*/40⊗20cm spec with Videomodul SK 1004-X

KUMAMORI, Teruaki 熊森 照明 (*Km*) 堺 Sakai, Osaka, Japan
9 *Colour* Images (16*, 22, ~24, 30 November 2007)
f/70⊗20cm Dall-Kirkham with a DMK21AF04&DFK21AF04/ToUcam Pro*

LAWRENCE, Pete ピート・ローレンス (*PLw*) 英國 Selsey, WS, UK
1 Set of *RGB* CCD Images (22/23 November 2007) *f*/67⊗36cm SCT with a SKYnyx2-0M

MAKSYMOWICZ, Stanislas スタニスラス・マクシモヴィッチ (*SMk*) 法國 Ecquevilly, France
2 Sets of Drawings (23, 27 November 2007) 270×, 200×, 133×10cm refractor

MELILLO, Frank J フランク・メリッロ (*FMl*) 紐約 Holtsville, NY, USA
2 *Colour* Images (21, 24 November 2007) 25cm SCT with a ToUcam pro II

MINAMI, Masatsugu 南 政 次 (*Mn*) 福井 Fukui, Fukui, Japan
17 Drawings (16, 23, 29 November 2007) 300, 400×20cm Goto ED refractor*
*Fukui City Observatory 福井市自然史博物館天文臺

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

1 Set of *RGB*+ 1 *IR* Images (23 November 2007) 25cm spec with a Lu075M

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

12 Drawings (19, 23, ~25 November 2007) 320×20cm *F*/8 speculum

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

11 Drawings (16, 29 November 2007) 300, 400×20cm Goto ED refractor*
* Fukui City Observatory 福井市自然史博物館屋上天文臺

NARITA, Hiroshi 成 田 廣 (*Nr*) 川崎 Kawasaki, Kanagawa, Japan

4 Drawings (16, 17, 23 November 2007) 400×20cm Astro ED refractor

NISHITA, Akinori 西田 昭徳 (*Ns*) あわら Awara, Fukui, Japan

1 Set of *RGB* Images (23 November 2007) 30cm spec with a Lu075M

PARKER, Donald C ドン・パーカー (*DPk*) 佛羅里達·邁阿密 Miami, FL, USA

2 Sets of *RGB* Images (22 November 2007) *f*/47⊗41cm *F*/6 spec with a SKYnyx 2-0M

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

12 Sets of *RGB* Images (16, 17 November 2007) *f*/40⊗36cm SCT with a SKYnyx 2-0M

PELLIER, Christophe クリストフ・ペリエ (*CPl*) 法國 Seine-St-Denis, France

4 Sets of *RGB* + 1 R + 5 *IR* CCD Images (16, 18, 24, 28 November 2007)
f/41, 42, 52⊗25cm Cassegrain with a SKYnyx 2-0M

PHILLIPS, Jim ジム・フィッリプス (*JPh*) 南卡羅萊納 Charleston, SC, USA

1 *Colour* Image (17 November 2007) *f*/27⊗20cm *F*/9 TMB with an ATiK Color

SALWAY, Mike マイク・ソルウェイ (*MSl*) 新南威爾斯 Central Coast, NSW, Australia

1 Set of *RGB* Images (28 November 2007) 31cm speculum with a DMK21AF04

SÁNCHEZ, Jesús R ヘスス・サンチェス (*JSc*) 西班牙·科爾多瓦 Córdova, España

5 *Colour* Images (23, 27/28, 30 November 2007) 26cm Mak-Cass with a DMK21AF04 AS

SHARP, Ian イアン・シャープ (*ISp*) 英國 Ham, West Sussex, UK

1 Set of *RGB* + 1 *Colour* Images (16, 24 November 2007) *f*/55⊗28cm SCT with a SKYnyx 2-0M

SOLDEVILLA-GONZALEZ, José Antonio
ホセ=アントニオ·ソルデビーヤ=ゴンサレス(*JSd*) 西班牙Canyelles, *nr* Barcelona, España

1 Set of *RGB* + 1 *Colour* + 4 *B&W* Images (18, 25, 29, 30 November 2007)
25cm (*F*/5) spec with a RCA plug camera

TATUM, Randy ランディ・テータム (*RTm*) 維吉尼亞·里士滿 Richmond, VA, USA

1 *Colour* Image (21 November 2007) 25cm spec with a ToUcam Pro

TYLER, David デーヴ・タイラー (*DTy*) 英國 Flackwell Heath, Buckinghamshire, UK

2 Sets of *RGB* + 2 *Colour* Images (16, 17 November 2007)
f/50⊗36cm SCT with a SKYnyx 2-0 & Lu075M

WALKER, Sean ショーン・ウォーカー (*SWk*) 新罕布夏 Chester, NH, USA

1 Set of *RGB* + 1 *IR* Images (19 November 2007) 32cm speculum with a DMK21AF04 AS

WARREN, Joel ジョエル・ウォーレン (*JWn*) 德克薩斯 Amarillo, TX, USA

1 Set of *RGB* Images (18 November 2007) 20cm SCT (⊗ 2× Barlow) with a DBK21AF04 AS

ZURTUZA, Ignacio ナチョ・スルトゥサ (*NZr*) 西班牙 La Fresneda, Asturias, España

2 Sets of *RGB* + 5 *Colour* + 2 *IR* Images (16, 18, 29, 30 November)
f/30, 45, 50⊗28cm SCT with a DMK21AF04

♂·····***a)* The NPH/NPC:** The north polar hood (nph) is now at the fading mode, but has been still active. However, as was discussed in the preceding issue, the outer ring of the north polar cap (npc) looks to be stationary to the north of the Gyndes line Φ=55°N: Following the previous observations, the stabilized outer ring is visible seen through a uniform and thin nph on PEACH (*DPc*)'s images and TYLER

(*DTy*)'s ones on 16 Nov (λ=348°Ls) at ω=212°W~264°W, and at ω=241°W~267°W respectively. Otherwise see images on 18 Nov (λ=349°Ls) of DELCROIX (*MDc*) at ω=202°W, of HIDALGO (*EHd*) at ω=213°W, on 19 Nov (λ=350°Ls) of *EHd* at ω=196°W: All show the outer ring beneath the nph. The interesting images by CASQUINHA (*PCq*) on 23 Nov (λ=352°Ls) at ω=236°W also show the plain npc against the wild nph which is slightly described in a different tint. FLANAGAN (*WFl*)'s images on 27 Nov (λ=354°Ls) at ω=221°W, 226°W, 231°W also show the outer ring. The interesting activity of the nph is seen, in addition to the abovementioned *PCq*'s and *WFl*'s images, on *MDc*'s images at ω=215°W and GORCZYNSKI (*PGc*)'s images at ω=298°W and PHILLIPS (*JPh*)'s image at ω=326°W on 17 Nov (λ=349°Ls): the first one shows the activity at the morning Utopia and the latter two at the morning M Acidalium. WALKER (*SWk*)'s images on 19 Nov (λ=350°Ls) at ω=268°W describe a rich nph aspect showing an evening cloud at Utopia. See also DICKINSON (*WDc*)'s, TATUM (*RTm*)'s abd MELILLO (*FMl*)'s images on 21 Nov (λ=351°Ls) at ω=232°W, ω=256°W and ω=259°W respectively. PARKER produced a quite expressive nph on 22 Nov (λ=351°Ls) at ω=242°W, 251°W. The aforementioned *PCq*'s images on 23 Nov follows next. *PGc*'s images on 24 Nov (λ=352°Ls) at ω=237°W, 241°W, and on 25 Nov (λ=353°Ls) at ω=243°W also show the wildness of the nph at the Utopia area. Apart from the npc area, the morning nph is shown on SOLDEVILLA (*JSd*)'s image on 25 Nov (λ=353°Ls) at ω=127°W, or on SALWAY (*MSl*)'s on 28 Nov (λ=354°Ls) at ω=334°W. *PCq*'s images on 29 Nov (λ=355°Ls) at ω=116°W also show a strong cloud at the morning side, and also on SÁNCHEZ (*JSc*)'s image on 30 Nov (λ=355°Ls) at ω=088°W the morning mist is thick. On the day *PGc*'s at ω=182°W shows a strong Utopia morning cloud. It should be noted that on the *PGc*'s images there is shot a dusty-like streak from the npr to the east of Propontis I. Unfortunately no observations in the US at other times and dates are known however. On the other hand, to the north of the big M Acidalium near the CM, the nph seems to have been weaker. See the images of MORITA (*Mo*), KUMAMORI (*Km*) and NISHITA (*Ns*) on 23 Nov (λ=352°Ls) at ω=357°W, ω=017°W&024°W, and at ω=024°W respectively. On the day one of us (*Mn*) watched from ω=325°W to ω=014°W (no more because the planet was too high up) but the nph was not so conspicuous. Another of us (*Mk*) observed from ω=350°W to ω=029°W while the intensity of the nph was 1 and the inside somewhere was slightly shadowy. ***b)*** **A White Patch near Alba Patera:** On 29 Nov (λ=355°Ls) at ω=116°W, *PCq* clearly caught a burst of a white cloud at around (Ω＝095°W~100°W, Φ=40°N~45°N) to the east of Alba Patera (Ω=110°W, Φ=40°N). This was succeedingly caught by KOWOLLIK (*SKw*) at ω=128°W. Since it showed up in B, it was something related with the nph, but might have been slightly entangled with a dust. One rotation after, AMADOLI (*VAm*) and ADELAAR (*JAd*) caught it again on the morning side with a blurred vapour at ω=065°W, and ω=070°W&081°W respectively. About one hour later on 30 Nov (λ=355°Ls) *JSc* showed a light patch more inside at ω=088°W: it showed a width Ω＝100°W~120°W, but no B image is accompanied, so that the vapour ingredient is unknown. If this is related with the dust swirl at the morning side, it may be also seen on 27/28 Nov (λ=353°Ls) on *JSc*'s images at ω=092°W, 110°W, as well as on PELLIER (*CPl*)'s at ω=106°W, 116°W, and so the symptom must have occurred before. For instance it may be related with the white spots detected by *WFl* on 1 Nov (λ=340°Ls)(See LtE). Some MGS images in 2002 showed a similar white patch at the very place. ***c)*** **White cloud on Arsia Mons:** Though LAWRENCE (*PLw*)'s images on 22/23 Nov (λ=352°Ls) at ω=142°W vaguely suggest, *CPl*'s B image on 24 Nov (λ=352°Ls) at ω=147°W showed the Tharsis evening cloud more clearly. On 28 Nov (λ=354°Ls) at ω=107°W (B) *CPl* spotted the white cloud at Arsia Mons very inside the disk, and DUPONT (*XDp*)'s B image at ω=139°W also isolated the Arsia cloud. On *PCq*'s images on 29 Nov (λ=355°Ls), it was also caught quite inside the disk at ω=116°W. *SKw*'s B at ω=128°W shows it near the evening terminator. It is supposed the cloud is also ap-

parent on *JSc*'s images on 23 Nov (λ=352°Ls) at ω=158°W~163°W but missing the B images. The appearance of the cloud over Tharsis implies that the meteorology quite recovered at this region. Though Arsia Mons is exceptional, other Montes will also become thinly clouded in the evening after λ=350°Ls~355°Ls, but its quite activity will begin from around λ=025°Ls. Olympus Mons behaves also in the same way, but it will begin to just shine before that because of the opposition effect. ***d)*** **Deutreonilus Corridor:** The path where Deuteronilus runs is at the inclined boundary between the Acidalia Planitia (lowland) and Arabia Terra (highland), and the place where the sand dust is raised just like the Nilokeras Corridor (*à la* Ch PELLIER). As shown on *Km*'s image on 22 Nov (λ=351°Ls) at ω=029°W, 034°W, a dust stream is seen to the north of Deuteronilus and made the western part of Niliacus L blurred (the steam passing Achillis Pons). This also remained on 23 Nov (λ=352°Ls) shown on *Mo*'s images at ω=357°W, *Km*'s at ω=017°W, 024°W, and *Ns*'s at ω=024°W. On *Km*'s images on 24 Nov (λ=352°Ls) at ω=004°W, 012°W, it looks slightly weakened. The visual observation of *Mk* on 23 Nov at ω=019°W and 029°W proved a weakness of Niliacus L. *Mk* observed on 24 Nov until ω=001°W where Niliacus L was still weak. On 25 Nov (λ=353°Ls) *Mk* observed until ω=342°W, but later it was clouded. ***e)*** **Evening Nilokeras:** On 16 Nov (λ=348°Ls), HEFFNER (*RHf*) and *Km* produced from Japan ccd images at ω=081°W, and ω=084°W/087°W respectively, in which Nilokeras was near the evening terminator. On the day, NAKAJIMA (*Nj*) and *Mn* observed visually, though the seeing was poor, from ω=046°W to ω=090°W five times each (no more because our neck became critical) during which they observed that, compared with the area of Aurorae S, M Acidalium and Nilokeras complex looked quite dark brownish. This conglomerate became very dark as it reached the evening terminator and at ω=085°W, its end at the terminator looked very pitch-black. *Km*'s image may prove the nuance. The *VAm* and *JAr* images on 29/30 Nov (λ=355°Ls) at ω=065°W and ω=070°W respectively show the same, but the colour production is another story. ***f)*** **The Double Canal from the Ætheria Dark Patch:** The new canal running southward from the Ætheria dark patch looks, as it were, a doubled canal in recent images. The Ætheria dark patch is sometimes inappropriately called the Hyblaeus extension by those who do not utterly know the situation in 1975. Along the extinction of Nodus Laocoontis, its north eastern area to Ætheria was largely darkened in 1975 and even in the Viking time its aftermath remained to be a strange bar-like broad canal from around (Ω=228°W, Φ=40°N) to (Ω=248°W, Φ=10°N). First its northern root at Ætheria had an extension to (Ω=240°W, Φ=40°N), but later it was weakened, and rather made an eastward extension. Now the new canal looks just like the Viking bar, though the location may be slightly different. This time, some strange bright streaks along both sides of the dark canal are observed. On 16 Nov (λ=348°Ls), *DPc* made a series of excellent images for three hours and a half from ω=212°W, 218°W, 227°W, 231°W, 239°W, 244°W, 252°W, 258°W, to 264°W, in which every image shows the bright double canals along the both sides of the new dark canal. These bright doubled canals are shown even on B images. *WFl* also caught the bright streaks on B images on 27 Nov (λ=354°Ls) at ω=221°W, 226°W, 231°W (especially vivid on B at ω=226°W). The streaks must be related with the white-light emitting sand dust which is raised or is accumulated at the boundaries of the different absorption areas. If the phase much decreases it may much shine. This bright perimeter dusts are also seen around N Alcyonius and so on. ***g)*** **Herschel Crater**: The reason why M Cimmerium et al still look fainter and very mottled is because of a fallout or sedimentation of dusts, though there may still arise spontaneously local dust veiling. Among the markings inside M Cimmerium, the Herschel crater is a difficult spot to detect (we called it an “eye” of ant at the Miyazaki Observatory in 2003. Perhaps MIYAZAKI called so in 1988) but this time it appeared on many images: See *DPc*'s images on 16 Nov (λ=348°Ls) at ω=212°W~265°W, *DPk*'s on 22 Nov (λ=351°Ls) at ω=251°W, *PCq*'s on 23 Nov (λ=352°Ls) at ω =236°W, *WFl*'s

on 27 Nov (λ=354°Ls) at ω=221°W, 226°W, 231°W and soon. ***h)* M Tyrrhenum and Syrtis Mj:** Similarly the region around M Tyrrhenum and Syrtis Mj is generally weak because of the sediments. *SWk*'s images on 19 Nov (λ=350°Ls) at ω=268°W describe the situation quite well as well as *DPk*'s images on 22 Nov (λ=351°Ls) at ω=242°W, 251°W. The shades and lights are not necessarily related with the unevenness of the lands, but on Syrtis Mj the western higher part has a darker bone, and its east lower part looks to be dust sprinkled. M Tyrrhenum is also unusual and shows a dark bone extended from Cerberus III maybe at the boundary of Trinacria. M Hadriacum and Peraea have hitherto been of the same weak density, but this time M Hadriacum looks slightly recovering. ***i)* Hellas:** *Nj* and *Mn* watched the CM transit of Hellas on 29 Nov (λ=255°Ls). Hellas did not however show such a fine structure as we observed in 1990 at the same season. It looked a bit lighter than the northern desert, and less moist than the evening terminator side and the morning limb side. In this respect, *DPc*'s series of images on 16 Nov (λ=348°Ls) at ω=212°W ~264°W may show the trend at present. *WFl*'s images on 27 Nov (λ=354°Ls) at ω=221°W, 226°W, 231°W also more impressively depict the white mist band which runs eastward from the morning Hellas. ***j)* The area around Solis L**: The deformed Solis L and its neighbourhoods are still very interesting. The area was shot on the aforementioned images made on 16 Nov (λ=348°Ls) by *RHf* and *Km*, and later it was shot on 27 Nov (λ=354°Ls) by BOSMAN (*RBs*) at ω=093°W, by *JSc* at ω=092°W (both show Ulysses), on 29 Nov (λ=355°Ls) by *JSd* at ω=089°W, by ZURUTUZA (*NZr*) at ω=089°W, one rotation later by *VAm* at ω=065°W, by *JAd* at ω=070°W, by *JSd* at ω=071°W, on 30 Nov (λ=355°Ls) by *VAm* at ω=082°W, by *JSc* at ω=088°W, and one rotation later by *NZr* at ω=066°W, by *JSd* at ω=067°W and so on. The area around Aurea Cherso looks recovering. The area from Daedalia to M Sirenum was well shown on 27/28 Nov (λ=354°Ls) by *JSc* at ω=113°W and on 29 Nov (λ=355°Ls) by *PCq* at ω=116°W. The later shows well the Newton crater as isolated as in the Viking USGS Map. See also *JSc*'s on 23 Nov (λ=352°Ls) at ω=158°W. ***k)* MRO-MARCI:** Images taken by the MARCI onboard the MRO are now composed every week as a movie and published in the MSSS Web Site. At present the following are available and these nearly cover our present period:

http://www.msss.com/msss_images/2007/11/29/ http://www.msss.com/msss_images/2007/12/05/

The upside down images however reduce our interest by half. Furthermore note that they don't give any real limb or true morning.

♂・・・・・・**a)北極雲/北極冠**:北極雲は最終段階に入ったが相變わらず激しく殘っている。然し、前回報告のようにギュンデス・ラインΦ=55°N以北では安定した北極冠の外輪が出ているようで、引き續き16Nov(λ=348°Ls)のピーチ(DPc)氏のω=212°W~264°W、タイラー(DTy)氏のω=241°W~267°Wでは薄い一様な北極雲を透して見えている。他に、18Nov(λ=349°Ls)のデルクロア(MDc)氏のω=202°W、イダルゴ(EHd)氏のω=213°W、19Nov(λ=350°Ls)のEHd氏のω=196°Wも同じラインを示している。更には23Nov(λ=352°Ls)のカスキニャ(PCq)氏のω=236°Wには暴れる北極雲と獨立して、外輪が出ているように見える。フラナガン(WFl)氏の27Nov(λ=354°Ls)ω=221°W、226°W、231°Wでもこれはハッキリしているように思う。北極雲の面白い動きは上のPCq氏、WFl氏の像以外にも好く見られる。17Nov(λ=349°Ls)にはMDc氏のω=215°Wではウトピア邊りでは顕著で、ゴルチンスキー(PGc)氏のω=298°W、フィリップ(JPl)氏のω=326°Wでは朝方の北極雲が濃い。19Nov(λ=350°Ls)ω=268°Wのウォーカー(SWk)氏の像では夕方のウトピアに濃いほか詳細に富む。他に21Nov(λ=351°Ls)のディッキンソン(WDc)氏のω=232°W、テータム(RTm)氏のω=256°W、メリッロ(FMl)氏のω=259°Wもそれぞれに面白い。パーカー(DPk)氏は22Nov(λ=351°Ls)ω=242°W、251°Wで表情に富むウトピアの北極域を撮った。この後に23NovのPCq氏の像が來る。PGc氏の24Nov(λ=352°Ls)ω=237°W、241°W、25Nov(λ=353°Ls)ω=243°Wはウトピアでの北極雲の暴れ方を示している。北極冠域と離れて、北極雲が朝方、北極冠とは違って出ていると思われるものに、ソルデビーヤ(JSd)氏の25Nov(λ=353°Ls)ω=127°Wやソルウェイ(MSl)氏の28Nov(λ=354°Ls)ω=334°W

等がある。他にPCq氏の29Nov(λ=355°Ls)ω=116°Wでも朝方に強い白雲があり、サンチェス(JSc)氏の30Nov(λ=355°Ls)ω=088°Wでも朝雲が強い。同日のPGc氏のω=182°Wではウトピアの朝雲と思われるものが強い。尚、この像では、夕方プロポンティスIの東側に北極域から筋状の黄塵のようなものが出ている。但し、前後の観測がないのが惜しい。一方、南中したマレ･アキダリウムの北では、23Nov (λ=352°Ls)の森田(Mo)氏のω=357°W、熊森(Km)氏のω=017°W、024°W、西田(Ns)氏のω=024°Wに見られるように北極雲は落ち着いてきている様に見える。この日筆者達の一人(Mn)はω=325°Wからω=014°Wまでしか観ていないが(天頂に來て難しくなる)、朝方の北極雲は顕著とは言えなかった。もう一人(Mk)はω=350°Wからω=029°Wまで観測したが、北極雲は白く明るいものの輝度1ぐらいで、内部に陰翳を見ている。**b)アルバ・パテラ近傍の白斑**：29Nov(λ=355°Ls)ω=116°WでPCq氏がアルバ･パテラ(Ω=110°W、Φ=40°N)の東、Ω＝095°W~100°W邊りに白霧のバーストを観測した。これは續いてω=128°Wでコヴォッリク(SKw)さんも捉えている。Bに出ているから、北極雲と關係する水蒸氣が主體と思うが黄塵も含んでいるかも知れない。一回転してアマドリ(VAm)氏のω=065°W、アデラール(JAd)氏のω=070°W、081°Wにも朝方に寧ろボンヤリした水蒸氣で出ている。一時間程してJSc氏が30Nov (λ=355°Ls)ω=088°Wで内部で明斑を捉えているが、Ω＝100°W~120°W幅があり、B光がないので稍不明である。これが朝方で黄塵を巻き上げているとすると、27/28Nov(λ=353°Ls)のJSc氏のω=092°W、110°Wやペリエ(CPl)氏のω=106°W, 116°Wでも見られ、朝霧を引きずっているようだから、兆候は前からあったかと思われる。1Nov(λ=340°Ls)のWFl氏の斑點とも關係あるかも知れない(LtE)。2002年のMGSでは春分前後に白い塊がここに出ている。**c)タルシス山の白雲**：22/23Nov(λ=352°Ls)ω=142°Wのローレンス(PLw)氏の像にも窺えるが、24Nov(λ=352°Ls)ω=147°WのCPl氏の像ではタルシス一帯の夕雲が可成りハッキリし、28Nov(λ=354°Ls)のCPl氏のω=107°WのB像ではアルシア・モンス頂上の雲が相當内部で見られ、デュポン(XDp)氏のω=139°WのBにもアルシア白雲が綺麗に寫っており、その北西側にも雲が見えて來ている。PCq氏の29Nov(λ=355°Ls)ω=116°Wでも可成り内部で捉えられている。同日のSKwさんのω=128°WのBにも夕方にボンヤリ出ている。なお、23Nov(λ=352°Ls)のJSc氏のω=158°W~163°Wにも出ていると思われるが、B光がないのが殘念。アルシア･モンスは例外的なのだが、他の二山もλ=350°Ls~355°Lsからうっすらと出始める。但し、濃く見え始めるのは, λ=025°Ls以後であろう。オリュムプス・モンスも同じ振る舞いをするが、その前に衝効果で明るく輝くであろう。**d)デウテロニルス・コリドール**：デウテロニルスの奔る處はアキダリア・プラニチア(低地)とアラビア・テッラ(高地)との傾斜のある境で前線が滞在しやすく、一方のニロケラス・コリドール(回廊)と同じく黄塵が流れるところである。今回もKm氏の22Nov(λ=352°Ls)ω=029°W、034°Wに示されるように、デウテロニルスの北に黄塵が流れていて、ニリアクス・ラクスの西端をぼかしている(丁度、アキッリス・ポンスを通る)。23Nov(λ=352°Ls)のMo氏のω=357°W、Km氏のω=017°W、024°W、Ns氏のω=024°Wにも未だ殘って居り、24Nov(λ=352°Ls)のKm氏のω=004°W、012°Wで稍黄塵が弱まっているかと思われる。23NovのMkの観測ではω=019°W、029°W邊りで未だニリアクス･ラクスの淡化を觀ている。Mkは24Novはω=001°W迄で、矢張りニリアクス･ラクスは弱い。25Nov(λ=353°Ls)はω=342°W迄で、あと雲が出た。**e)夕方のニロケラス**：16Nov(λ=348°Ls)には日本からヘフナー(RHf)氏のω=081°W、Km氏のω=084°W、087°Wのccd像がある。それぞれニロケラスが夕方に來ている。中島(Nj)氏と筆者達の一人(Mn)は同日然程シーイングは好くないのにω=046°Wからω=090°Wまでそれぞれ40分毎に五回追ったが(それ以上は首が痛くなる)、アウロラエ・シヌスなどに比較するとマレ･アキダリウムとニロケラス・コンプレクスが濃い茶系統色を呈していた。この混合体は夕方に来ると俄然濃くなり、ω=085°Wでは、ターミネータに接する部分は漆黒といってよいほど濃く見えた。Km氏の像にはその雰囲氣がある。29/30Nov(λ=355°Ls)のVAm氏のω=065°WやJAd氏のω=070°Wにもそういう傾向が出ているが、色再現は難しいようである。**f)アエテリア暗斑からの二重運河**：アエテリアの暗斑から北にマレ・キムメリウムに走る運河は最近の像ではまるで二重運河の様に太くなり寧ろ西側から出ている。1975年頃はこ

の邊りから西のアエテリア一帯が暗かったので可能性はある。16Nov(λ=348°Ls)のDPc氏の三時間半に及ぶω=212°W、218°W、227°W、231°W、239°W、244°W、252°W、258°W、264°Wの連續像ではこの新運河がCMを通過する。興味のあるのは兩側に明るい條を伴うことで、これはB光にも出ているから強い反射をするものであろう。新運河を捉えたものは多いが、他にBでこの二重明筋を捉えたのは、WFl氏の27Nov(λ=354°Ls)ω= 221°W、226°W、231°W(特にB光はω=226°Wに鮮明)等に限られる。砂塵の溜まりが吸熱差の境にあるのであろうが、ιが小さくなるにつれて輝くかも知れない。これはノドゥス・アルキュオニウスなどでも起こっている。**g)ハーシェル・クレーター**：マレ・キムメリウムなどが淡いのは黄塵が酷く舞っているからではなくて、多くは沈澱による淡化である。マレ・キムメリウムの中でも難物のハーシェル・クレータは今回など明瞭で、幾らか砂塵に塗ぶれることもあろうが、基本的には好く見えている。ハーシェル・クレーターは宮崎勲天文臺ではアリンコの眼と言っていたもので(多分1988年頃からの愛稱)、今回はDPc氏の16Nov(λ=348°Ls)ω=212°W~265°W、DPk氏の22Nov(λ=351°Ls)ω=251°W、CPq氏の23Nov(λ=352°Ls)ω=236°W、WFl氏の27Nov(λ=354°Ls)ω=221°W、226°W、231°Wに明確である。**h)マレ・テュッレヌムやシュルティス・マイヨル**：同様にマレ・テュッレヌムやシュルティス・マイヨルも砂塵の沈澱で相当濃淡が變わっている。SWk氏の19Nov(λ=350°Ls)ω=268°Wの像や、DPk氏の22Nov(λ=351°Ls)ω=242°W、251°Wは好く描寫している。必ずしも、高低差と關係がないがシュルティス・マイヨルは西側に背骨があるように見え、東側は淡くなっている。マレ・テュッレヌムでもケルベルスIIIから流れる暗帯(多分トリナクリの境界)が強く出ているなど様變わりである。マレ・ハドリアクムとアントニアディの言うペラエアが同じような濃度になっていたが、マレ・ハドリアクムが稍回復してきているか。**i) ヘッラス**：29Nov(λ=255°Ls)に福井でNj氏とMnはヘッラスの動きを追ったが、1990年の同じ季節に觀たような微細構造は未だ見えていなかった。砂漠より稍明るく、兩端の水蒸氣も中央では薄くなる。朝方の動きは DPc氏の16Nov(λ=348°Ls)ω=212°W~264°Wが現在の姿であろう。尚、WFl氏の27Nov(λ=354°Ls)ω=221°W、226°W、231°Wには朝のヘッラスから東に向けて水蒸氣が奔っているのが分かる。**j)ソリス・ラクス周邊**：ソリス・ラクス近傍の變形は興味のあるところであるが、先に擧げた16Nov(λ=348°Ls)のRHf氏やKm氏の像の他、27Nov(λ=354°Ls)のボスマン(RBs)氏のω=093°W、JSc氏のω=092°W(両方にウリュッセスが見える)、29Nov(λ=355°Ls)のJSd氏のω=089°W、スルトゥサ(NZr)氏のω=089°W、一周遅れのVAm氏のω=065°W、JAd氏のω=070°W、JSd氏のω=071°W、30Nov(λ=355°Ls)にはVAm氏のω=082°W、JSc氏のω=088°W、一周遅れのNZr氏のω=066°W、JSd氏のω=067°W等に見られる。アウレア・ケルソの邊りが回復してきているかも知れない。ダエダリアからマレ・シレヌムに掛けては27/28Nov(λ=354°Ls)のJSc氏のω=113°Wや29Nov(λ=355°Ls)のPCq氏のω=116°Wに見られる。後者ではヴァイキング圖の様にニュートン・クレータが可成り孤立して見えて來た(JSc氏の23Nov(λ=352°Ls)ω=158°Wも參照)。**k)MROの動畫像**：MROのMARCIで撮った影像を合成動畫にしたものが觀られる様になった。最初の像は19Novである(以下をクリックされたい):

http://www.msss.com/msss_images/2007/11/29/ http://www.msss.com/msss_images/2007/12/05/

現在出ているのは上の二つで、われわれの期間とホボ合う。逆さ影像で甚だ見辛いが、參考になろう。

♂・・・・・・In the next issue we shall review the observations made during a fortnight period from 1 December (λ=356°Ls, δ=15.1") to 15 December 2007 (λ=003°Ls, δ=15.9").

Forthcoming 2007/2008 Mars **(15)**

Ephemeris for the Observations of the 2007/2008 Mars. VII

January 2008 (Revised)

***Masami MURAKAMI* 村上 昌己(*Mk*)**

AS a sequel to the Ephemeris VI (in CMO#337), we here list the necessary elements of the Ephemeris for the physical observation of Mars from 1 January 2008 to the end of January 2008. The data are listed for every day at 00:00 GMT (not TDT). ω and φ denote the longitude and latitude of the sub-Earth point respectively.

The simbols λ, δ and ι stand for the areocentric longitude of the Sun, the apparent diameter and the phase angle respectively.

From this apparition, 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 *D* of the planet is also given at the final column. The data here are basically based on *The Astronomical Almanac for the Year 2008*.

Date (00:00GMT)			ω	φ	λ	δ	ι	*Π*	*D*
01	January	2008	158.03°W	0.0°S	10.96°Ls	15.41"	06.6°	-26.6°	+26°56'
02	January	2008	149.23°W	0.2°S	11.44°Ls	15.34"	07.4°	-26.7°	+26°57'
03	January	2008	140.43°W	0.4°S	11.92°Ls	15.27"	08.2°	-26.9°	+26°58'
04	January	2008	131.61°W	0.5°S	12.40°Ls	15.19"	09.0°	-27.1°	+26°58'
05	January	2008	122.79°W	0.7°S	12.88°Ls	15.10"	09.8°	-27.3°	+26°59'
06	January	2008	113.96°W	0.9°S	13.36°Ls	15.02"	10.5°	-27.4°	+26°59'
07	January	2008	105.13°W	1.0°S	13.84°Ls	14.93"	11.3°	-27.6°	+26°59'
08	January	2008	096.28°W	1.2°S	14.32°Ls	14.83"	12.1°	-27.7°	+26°59'
09	January	2008	087.42°W	1.3°S	14.80°Ls	14.73"	12.8°	-27.9°	+26°59'
10	January	2008	078.55°W	1.4°S	15.27°Ls	14.62"	13.6°	-28.0°	+26°58'
11	January	2008	069.68°W	1.6°S	15.75°Ls	14.52"	14.3°	-28.1°	+26°58'
12	January	2008	060.79°W	1.7°S	16.23°Ls	14.41"	15.0°	-28.3°	+26°58'
13	January	2008	051.89°W	1.8°S	16.70°Ls	14.30"	15.8°	-28.4°	+26°57'
14	January	2008	042.98°W	1.9°S	17.18°Ls	14.19"	16.5°	-28.5°	+26°57'
15	January	2008	034.06°W	2.0°S	17.65°Ls	14.08"	17.2°	-28.6°	+26°56'
16	January	2008	025.12°W	2.0°S	18.12°Ls	13.96"	17.9°	-28.7°	+26°55'
17	January	2008	016.18°W	2.1°S	18.60°Ls	13.85"	18.5°	-28.8°	+26°54'
18	January	2008	007.22°W	2.2°S	19.07°Ls	13.73"	19.2°	-28.9°	+26°54'
19	January	2008	358.25°W	2.3°S	19.54°Ls	13.61"	19.8°	-29.0°	+26°53'
20	January	2008	349.27°W	2.3°S	20.01°Ls	13.49"	20.4°	-29.0°	+26°52'
21	January	2008	340.28°W	2.4°S	20.48°Ls	13.37"	21.0°	-29.1°	+26°51'
22	January	2008	331.27°W	2.4°S	20.95°Ls	13.25"	21.5°	-29.1°	+26°50'
23	January	2008	322.25°W	2.5°S	21.42°Ls	13.13"	22.1°	-29.2°	+26°49'
24	January	2008	313.23°W	2.5°S	21.89°Ls	13.01"	22.7°	-29.2°	+26°48'
25	January	2008	304.18°W	2.5°S	22.36°Ls	12.89"	23.2°	-29.3°	+26°47'
26	January	2008	295.13°W	2.6°S	22.82°Ls	12.76"	23.8°	-29.3°	+26°46'
27	January	2008	286.07°W	2.6°S	23.29°Ls	12.64"	24.3°	-29.3°	+26°45'
28	January	2008	276.99°W	2.6°S	23.76°Ls	12.52"	24.8°	-29.3°	+26°44'
29	January	2008	267.90°W	2.6°S	24.22°Ls	12.40"	25.3°	-29.4°	+26°43'
30	January	2008	258.80°W	2.6°S	24.69°Ls	12.27"	25.8°	-29.4°	+26°42'
31	January	2008	249.69°W	2.6°S	25.15°Ls	12.15"	26.3°	-29.4°	+26°41'
01	February	2008	240.57°W	2.5°S	25.62°Ls	12.03"	26.7°	-29.4°	+26°40'
02	February	2008	231.43°W	2.5°S	26.08°Ls	11.92"	27.2°	-29.3°	+26°39'

便り
Letters to the Editor

●・・・・・・***Date: Fri, 23 Nov 2007 20:21:06 +0000***
Subject: Mars 2007 November 16

Taken, just for a change, with a C-11 rather than C-14. Good conditions. Particularly nice detail in the green. Bad edge artefact, left as is in the greyscale images, but smoothed out using Photoshop trickery slightly in the colour composites.
http://www.darditti.dircon.co.uk/mars2007-11-16-DLA.jpg

○・・・・・・***Date: Thu, 29 Nov 2007 01:37:18 +0000***
Subject: Mars 2007 November 17

An earlier session on this date, well before culmination, gave reasonable results.
http://www.darditti.dircon.co.uk/mars2007-11-17-DLA.jpg
Interesting to compare the C-14 image with the C-11 image I did the previous morning in better seeing. The bigger aperture still gives sharper results.

○・・・・・・***Date: Sat, 8 Dec 2007 19:57:40 +0000***
Subject: Comet 8P/Tuttle 2007 December 08

I imaged this last night with the same equipment I was using for Comet Holmes. Tuttle is minute by comparison - Holmes entirely fills this same field. A big light pollution gradient, but the elliptical coma just shows.

○・・・・・・***Date: Sat, 8 Dec 2007 23:06:17 +0000***
Subject: Comet 17P/Holmes 2007 Nov 15-Dec 07

These images were all taken with the same telescope, camera, and image-scale, and show the expansion of the Holmes coma over the last 3 weeks. The camera orientation changes because in the last two because I thought it better to align the long dimen

sion of the frame approximately NS, rather than approximately EW, in order to get more length of coma in.

David ARDITTI (ﾃﾞｳﾞｨｯﾄﾞ・ｱｰﾃﾞｨﾁ Edgware ME 英)

●・・・・・・***Date: Sat, 24 Nov 2007 00:58:42 +0100***
Subject: Mars 23th November

Hello: New set of images with near good seeing.
I think Olympus Mons seems cloudy.
http://astrosurf.com/astropasion/Mars2007/20071123_jrs.jpg

○・・・・・・***Date: Thu, 29 Nov 2007 13:28:39 +0100***
Subject: Mars 27-28th November

Hello: Images with fair seeing showing Solis Lacus and Tharsis longitudes. In this images, I think the volcanoes are partialy hiddens.
http://astrosurf.com/astropasion/Mars2007/20071128_jrs.jpg

○・・・・・・***Date: Sun, 2 Dec 2007 14:13:10 +0100***
Subject: Mars November, 30

Hello: Image taken through high cloud with good seeing.
http://astrosurf.com/astropasion/Mars2007/20071130_jrs.jpg

○・・・・・・***Date: Thu, 6 Dec 2007 22:59:21 +0100***
Subject: Mars December, 4-5

Hello: Image series with fair seeing
http://astrosurf.com/astropasion/Mars2007/20071205_jrs.jpg

Jesús SÁNCHEZ (ﾍｽｽ・ｻﾝﾁｪｽ Córdova 西)

●・・・・・・***Date: Sat, 24 Nov 2007 19:23:15 -0600***
Subject: RE: Your permission please

Dear Masatsugu, I finally had some time to measure the position of the two little light spots on the 1 Nov images using WinJUPOS. The planetographic coordinates I get using WinJUPOS are 095°W, 43°N for one spot and 085°W, 48°N for the other spot. This would place them in a region between Tempe and Arcadia. The fainter but larger smudge on the 3 Nov images appears to be at 100°W, 48°N, just a little west of the location of the two light spots seen on the 1 Nov image. So maybe this smudge is a continuation of two small dust events that appeared as the two small light spots on the 1 Nov image.

The dust plume involved with the NPH that I noted on the 31 Oct images stretches from 122°W, 60°N to 147°W, 48°N (planetographic cords).

In either case, if these coordinates are correct, that would place the two little spots 25 to 35 degrees westward of the of the Nilokeras storm that Jesus Sanchez and Dave Tyler first noticed on their 2 Nov images. It also places the two little spots 30 to 40 degrees eastward of the 31 Oct dust plume. So it appears the spots are not directly related to either of these events. However, maybe they are related to the overall meteorological conditions that were present in this area of Mars on these dates.

Still cloudy here. But maybe clearing on Monday. I hope I can get back to Mars in a few days! Sincerely,

○・・・・・・***Date: Wed, 28 Nov 2007 19:51:43 -0600***
Subject: Mars Images - 27 November

Dear Mastsugu, Attached is a set of Mars images from November 27th. Hellas is bright just on the western limb.

The blue image shows a cloud formation that appears to originate in Hellas and extend eastward over M Hadriacum, Ausonia, and Eridania. This is particularly clear in the blue image made at 08:10 UT during a window of very good seeing. Valhalla is fainter but still visible.

The NPH has also shows and interesting line of concentration that is located along latitude 60°N.

There is also a series of 7 - 8 small bright spots starting just south of Sinus Gomer, running in a line from M Cimmerium to Syrtis Minor. Not sure I have seen these before or what they may be?

It clouded up again here last night, 28 Nov. Just as I was beginning to start a set of exposures, a bank of clouds moved in quickly from the south. If only I had gotten up 15 minutes earlier I could have made at least one set of images for the 28th. Doesn't look good for tonight either.

I hope everything is going well over there!

Best regards,

Bill FLANAGAN (ﾋﾞﾙ・ﾌﾗﾅｶﾞﾝ Houston TX 美)

●・・・・・・***Date: Sat, 24 Nov 2007 23:08:36 -0000***
Subject: Mars 2007/11/23

Mars in fair seeing conditions but poor transparency, lots of dew. My best regards

38°34'02 N 8°57'03 W Alt 107 m

○・・・・・・***Date: Sun, 2 Dec 2007 09:21:56 -0000***
Subject: Mars 2007/11/29

hi here is Mars on November 29. My best regards

Paulo CASQUINHA (ﾊﾟｳﾛ・ｶｽｷﾆｬ Portugal 葡)

●・・・・・・***Date: Sun, 25 Nov 2007 05:34:55 +0000***
Subject: Mars 22 November

Hi All, I have attached some Mars images from 22 November. The NPH is fragmenting; no evidence of spring cap as yet. Cloud/dust streaks over Umbra. Clouds over southern Cimmerium. The new "streak" from Hyblaeus to Tritonis appears to be a few small dark patches. Eastern Syrtis Major appears rather light. Best,

○・・・・・・***Date: Mon, 26 Nov 2007 04:29:34 +0000***
Subject: Another Mars 22 November

Hi All, I have attached some images from earlier on 22 November. Comparison with the images taken on 06:45 UT shows the clouds south of Cimmerium rotating with the planet. Also, the Trivium-Cerberus remains weak, as it has been since 1990. Best,

○・・・・・・***Date: Thu, 29 Nov 2007 03:22:31 +0000***
Subject: Re: At Meudon/ Masatsugu

Dear Masatsugu, I am honored to accept your kind invitation to be on the Organising Committee. It sounds like it would be an exciting meeting. I agree about the demon laughing, however, since I will also be quite a bit older! Of course I am 3 weeks younger than you!

This would indeed be a great occasion for all of us Mars observers to finally meet -- we have corresponded and shared data for so many years. All for now. Thanks again. Best,

At 05:08 AM 11/23/2007 +0900, you wrote:
>Dear Don,
>>I am sorry I have been silent for a while, but I am receiving and
>appreciating your images of Mars of this apparition. For example I
>was impressed with your 10 Nov images where a lot of details are
>described as well as the water vapour distribution.
>>I have had an intention to write this invitation to you on the
>occasion of your next birthday, but it seems the situation is
>pressing, and so I am to be forced to intrude at your busy time.
>>As you know, the year 2009 is IAU's International Year of
>Astronomy, perhaps commemorating Galileo Galilei's activity in
>1609. The 2009 is however the centenary of the 1909 great
>apparition of Mars where at least two big things happened. One is
>the correlation of E M Antoniadi with Meudon's great refractor and
>the second is that it was the year of the start of the photography
>by the use of the Blue or Violet filter at the Lowell Observatory.
>>On the night of 20 September 1909 Antoniadi met with a perfect
>seeing for about two hours at the eyepiece of the Meudon 83 cm
>refractor, and was very convinced that there were no things on Mars

>to be called "canals". As you know he sent to P Lowell in November
>1909 a partial drawing (attached here) of Amazonis which shows "a
>maze of knotted, irregular, chequered streaks and spots!" Perhaps
>Lowell did not approve, but this shows well that the new era of the
>Mars observation by the integrated light just began from 1909.
> >The Blue/Violet photography should also be celebrated centennial
>since 1909. To reveal the canals by the photography was destined to
>fail, but the Blue photos provided a lot of scientific topics and
>even now they are useful including the old photos. Of course you
>are a forerunner among amateur Mars observers of the Blue
>photography when usual amateurs were just interested in the long
>wave photos. I even remember you once tried to squeeze the B
>ingredient from the colour slide photos. Then perhaps the times of
>TP2415 arrived. I am sure you're the best man to talk about the
>history of the Blue photography since the 1950s.
>>As you may remember, in 2004 we had in Japan a meeting concerning
>P Lowell at the place where Percival visited in 1889, inviting Bill
>Sheehan. Then Bill Sheehan and we Japanese planned a next meeting
>in 2008 to be held in the US (maybe at the Lowell Observatory), but
>knowing that the next year (ie 2009) is nominated as the IAU year,
>we began to think it would be more appropriate to hold the meeting
>in 2009. However it looked at the Lowell Observatory nobody was
>interested in the planet Mars at present. So another possibility
>was to hold it at Meudon since another person Antoniadi had an
>intimate relation with Meudon.
>>Fortunately some members of the Societe Astronomique de France
>(including Daniel Crussaire, Nicolas Biver and Christophe Pellier)
>approved our idea on meeting of Mars observers to commemorate the
>centennial history of Mars observations and are to provide the
>necessary facilities at Meudon on some three days in September
>2009. The grand refractor is now under repairs but they assure us
>that it will be complete by September 2009. Recently Bill Sheehan
>also contacted Prof Audouin Dollfus and it seems he replied that he
>would look forward to the meeting. I hear also R McKim is also
>approvable.
>>The members at Meudon then need to have an international organising
>committee.
>>In Japan there is a proverb that any demon will laugh if someone
>talks about things in the next year. In fact, I myself am not sure
>I can participate any meeting in the year after next! since I will
>be then quite older. But I have an intension to belong to the
>organising committee for the present. Any meeting on the history of
>the Mars observations at a historical place will be interesting and
>stimulating to younger generations as well as to ourselves.
>>It would be a great pleasure of me if I could meet you at Meudon.
>If it is realisable, I will be careful about my health until the
>time. The presence of you will also be pleased by all the
>participants (maybe mainly from Europe).
>>For the moment this email is to ask you cordially to join the
>Organising Committee as well as to put forward some ideas on the
>meeting. If you give me a private approval, the French organisers
>will send you a formal invitation to you. At present however no
>organisation committee exists and even the date is not fixed. I
>think there is no official nomenclature for the meeting. These will
>be fixed in the meantime with the members of the possible
>Committee. At first they want to have an International Committee
>and a National one. We can rely on them because Nicolas Biver once
>had an experience in which he successfully organised an
>International Workshop on Cometary Astronomy at Meudon in 2004.
>>There is a plenty of time until September 2009. I just so look
>forward to your kind reply in which I hope you will understand us
>and give us your approval since we truly need you to join the
>Committee.
>>Finally I wish your further success at the coming opposition time.
>>With best wishes, *Masatsugu*

○・・・・・・***Date: Sat, 01 Dec 2007 21:39:28 +0000***
Subject: Mars 1 Dec; Domino Clouds, NPC

Hi All, I have attached some Mars images from 1 December. The NPC is beginning to show through the fracturing NPH. There is much arctic cloud activity. The "Domino Clouds" over Candor-Tharsis are becoming very prominent. Even the "dull side" of Mars is now exciting! More to follow: Paolo is making me work!

○・・・・・・***Date: Sun, 02 Dec 2007 18:53:22 +0000***
Subject: Mars 1 December

Hi All, I have attached some more images taken by Paolo Lazzarotti and me on 1 December. It appears that the NPC formation is still incomplete. Best,

○・・・・・・***Date: Fri, 07 Dec 2007 00:32:27 +0000***
Subject: Mars 3 and 4 December

Hi All, I have attached some Mars images from 3 and 4 December. Orographics prominent. A tint cloud over Olympus Mons detected on the 3 December blue image. Best,

Don PARKER (唐那・派克 Miami FL 美)

●・・・・・・***Date: Sun, 25 Nov 2007 20:38:17 +0100***
Subject: My yesterday Mars image

Obviously, you can cut the image and use only the B&W picture. Is my fist Olympus Mons picture and Iヅェm very happy about it!

○・・・・・・***Date: Thu, 29 Nov 2007 13:09:27 +0100***
Subject: 29/11/2007 Mars image

Al last a night with a reasonable good seeing!!!

○・・・・・・***Date: Sun, 2 Dec 2007 21:16:05 +0100***
Subject: Re: 01/12/2007 Mars image

I have found a bit of time this weekend for reprocessing my last image. I don't know if this give more information, but here you have... The rose area in the rigth border is a point of durst in the green filter. I must clean it. Greetings.

○・・・・・・***Date: Thu, 6 Dec 2007 02:27:10 +0100***
Subject: 04/12/2007 Mars image

Really, how to obtain real colors is not my best goal。

José Antonio SOLDEVILLA GONZALES
(ホセ=アントニオ・ソルデビーヤ *nr* Barcelona 西)

●・・・・・・***Date: Sun, 25 Nov 2007 23:39:42 +0900***
Subject: non title

南政次様、先程、村上さんより訃報を頂きました。謹んで御母堂様のご冥福をお祈りいたします。

○・・・・・・***Date: Mon, 26 Nov 2007 00:25:19 +0900***
Subject: Mo 23 Nov_07

村上昌己様、先ほど訃報を頂きました。南さんには送りにくいので　そちらからお願いします。火星はずっと撮り続けておりますが、時間がなく処理できずにいました。少しずつ時間が取れるようになって来ましたので、今度はお送り出来るようになると思います。

森田　行雄 (Yukio MORITA 廿日市 Hiroshima)

●・・・・・・***Date: Mon, 26 Nov 2007 10:37:36 -0600***
Subject: Re: At Meudon/ Masatsugu

Dear Masatsugu, A very kind and warm letter--I was very touched by its sentiments. If it doesn't bring Don Parker to Paris, nothing will.

I am concerned about your health. I suspect it suffers somewhat when Mars is shining in the sky, as you are apt to overdo it. You are the most passionate observer of Mars I know, and I greatly admire you for it--at the same time, you are not a man of Mars alone, but have the most astonishing breadth in your erudition. You are a true Renaissance man of Mars, as Schiaparelli, Lowell, and Antoniadi perhaps were.

I have just heard from Richard McKim again--alas, it sounds rather doubtful that he will be able to make it over in September; but he will surely try. If he does not make it, then I should like to be given the chance to evoke Antoniadi's work on that famous night, September 20, 1909, when he almost thought he was "dreaming" to see Mars so clearly.

I have also invited Maria Lane, a professional geographer and historian of Mars who has just written a big and highly accomplished book on the mapping of the planet.

○・・・・・・***Date: Tue, 27 Nov 2007 17:37:33 -0600***
Subject: Re: RE:Re: At Meudon/ Masatsugu

Dear Masatsugu, Please accept my heartfelt condolences on the passing of your mother. With best wishes,

○・・・・・・***Date: Sat, 1 Dec 2007 10:57:14 -0600***
Subject: Re: RE:Re: RE:Re: At Meudon/ Masatsugu

Dear Masatusgu, I know you are very busy--so I will not intrude much on your time just now.

I do know some individuals in Italy--but Maria Lane spent time at the Brera Observatory and may have some other contacts, and I shall ask her advice. But might I suggest Luigi Prestinenza, a science journalist in Sicily? He has just completed a book on planets, and has previously written about Mars.

I think the meeting will be very exciting. I am prepared to talk about any topics that may be serviceable to our program, including: Barnard's observations of Mars and the Lowell expedition to the Andes for the 1907 photography of the planet (led by David Peck Todd) and the reaction to these results by other astronomers, notably Schiaiparelli who examined them in
1909 just before the Great Opposition. If Richard McKim is unable to attend for some reason, then I should like to present a memoir of the observations of Antoniadi at Meudon on September 20, 1909. With best wishes,

Bill SHEEHAN (ｳｨﾘｱﾑ･ｼｰﾊﾝ MN 美)

●・・・・・・***Date: Mon, 26 Nov 2007 10:44:21 +0900***
Subject: Mars-2007-11-23&24-KUMAMORI

晴れが続きましたが、シーイングはあまり良くなりませんでした。一気に赤緯が高くなり、ベランダからは厳しい状況での撮影です。

○・・・・・・Date: Mon, 26 Nov 2007 14:51:13 +0900
Subject: Mars-2007-11-22-to-24-KUMAMORI

三日間晴れた画像でアニメを作ってみました。こんな形がよいかどうか分かりませんが、北極雲の変化がわかりやすいかと思っています。

位置合わせがアバウトで模様が揺れているのはご容赦ください。

○・・・・・・***Date: Sat, 1 Dec 2007 23:25:14 +0900***
Subject: Mars-2007-11-30-KUMAMORI

一気に火星像が丸くなってきました。しかし、昼間は良く晴れていたのですが、夕方から雲が多くなり雲間での撮影で、気流はあまり良くありませんでした。 北極の端が少し暗く写りますが、撮影条件によるのでしょうか？

○・・・・・・***Date: Tue, 4 Dec 2007 20:36:17 +0900***
Subject: Mars-2007-12-03-KUMAMORI

寒波が押し寄せ、風が吹き望遠鏡も揺れ、シーイングも激しい高層気流で火星像はボケけていて、ピントも合わせ辛い状態でした。相変わらず無理矢理像を作っている感じがします。

○・・・・・・***Date: Wed, 5 Dec 2007 20:57:30 +0900***
Subject: Mars-2007-12-04-KUMAMORI

昨日より風も収まり、火星の揺れは少なくなりました。ただ、上空の強い風は残っているようで、ぴしっとした火星像にはなりませんでした。

○・・・・・・***Date: Thu, 6 Dec 2007 21:58:00 +0900***
Subject: Mars-2007-12-05-KUMAMORI

北極冠が見えてきたのでしょうか？境目がはっきりしているように思えます。

よろしくお願いいたします。

熊森 照明 (Teruaki KUMAMORI 堺 Osaka)

●・・・・・・***Date: Mon, 26 Nov 2007 12:13:44 +0100***
Subject: Fox possession

Dear Masatsugu, It has certainly been a long time since the two of us last communicated. I am very grateful for the CMOs that I've received regularly all this time, and I want you to know that I still read them with interest, even though I can't be an active observer of Mars any more.

I was sorry to read about your health problems, but I trust that it's getting better with you by now (?!). As for myself, there is not much change since the last time I wrote to you, nearly a year ago. Sadly, the kind of brain damage I've suffered is NOT something that one recovers fully from.

When reading your kind comment in the CMO of December last year, I became aware that while telling you - in a hand-written note - about my problems with fine motor coordination of especially the right hand, I forgot to mention that fortunately I happen to be left-handed! So handwriting has never really been a problem, thank God. But I am slow in writing on the computer; I nevertheless do it for practice, as you can see right now. The worst thing is the vertigo, however, and that hasn't changed a bit. I have to use two canes for support when I walk around outside the 'safe haven' of my home, but the worst part of it is the subjective feeling of it - even the slightest movement of the head feels like being in an earthquake of considerable proportions, and the only time the world truly is at rest is at night when I'm lying in bed.

Enough of that! What I actually wanted to tell you was that I've been following your correspondence with Bill Sheehan in the CMO and understand that he's interested in a Japanese psychiatric phenomenon called 'fox possession'. Of course I had never heard about it before. But just today, I was reading a Danish newspaper which has a columnist who from time to time writes essays about his experiences in Japan. He evidently lives permanently in Japan now and, as he still appears to be a fairly young man, has a Japanese girlfriend, who informs him about many of the more 'exotic' aspects of Japanese culture and lore. And the article I read today was mainly about the fox spirits, Kitsune, and fox possessions were also briefly mentioned.

Wasn't that a funny coincidence?

All my best wishes,

Elisabeth SIEGEL (ｴﾘｻﾍﾞﾄ･ｼｰｹﾞﾙ Malling 丹麥)

●・・・・・・***Date: Mon, 26 Nov 2007 13:25:16 -0500***
Subject: Mars Nov 21, 2007

Gentlemen, Here is a set of images from Nov 21, 2007 UT. The seeing was 4/10 and transparency was 6-7 out of 10. The Mare Cimmerium and Tyrrhenum were prominent as well as the bright area surrounding Elysium Mons. Perhaps the shadow of Elysium Mons is also just visible. Regards,

Bill DICKINSON(ﾋﾞﾙ･ﾁﾃﾞｨｷﾝｿﾝGlen Allen VA美)

●・・・・・・***Date: Mon, 26 Nov 2007 20:11:33 +0100***
Subject: Mars 22 november

Hi all, Here a late Mars of the 22nd, was a bit tired lately...it is killing me those late nights. Olympus Mons with around a light plain also a dark Tharsis volcano, there seems a bright pit in the NPH...a hint of a cap on this lattitude best wishes

○・・・・・・***Date: Sat, 1 Dec 2007 22:27:36 +0100***
Subject: Mars 29th

Hi Fellows, Here a capture of the last day of november, conditions at the most were fair. It was just before a depression arrived and still borders us here. Nice to see the Solis Lacus regio and look how dark the Niliacus lacus regions is. The NPH looks normal from this side.

○・・・・・・***Date: Sat, 1 Dec 2007 22:33:48 +0100***
Subject: Re: Mars 29th

Except of course there is a light patch above Arcadia.

○・・・・・・***Date: Wed, 5 Dec 2007 21:50:29 +0100***
Subject: Mars 4 december

Hi all, Could collect just one RGB before the rain won...not to mention seeing was awfull. Nice to see Arcadia cloud is still there, also alot of moisture in the atmosphere on the morning and evening side best wishes

Jan ADELAAR (ﾔﾝ･ｱﾃﾞﾗｰﾙ Arnhem 荷蘭)

●・・・・・・***Date: Tue, 27 Nov 2007 08:14:10 +0900***
Subject: お悔やみ

南様：村上さんより、お母様のご逝去の連絡をいただきました。心より、お悔やみ申し上げます。

結婚前に家内と三国へお邪魔したときのことや、惑星観測者会議で南さんのお宅に泊めていただいたこと、三国の病院にお見舞いにうかがったことなど、など思い出されます。

本来であれば、本日のお通夜と明日のお葬式に出席しなければいけないのですが、仕事がありましてそれもできず、失礼かとも思いましたが、弔電を送らせていただきました。南さんもお気を落とされないでください。

浅 田 正 (Tadashi ASADA 宗像 Fukuoka)

●・・・・・・***Date: Thu, 29 Nov 2007 13:05:53 +0100***
Subject: Mars images 2007/11/28

Hello, Here are my last images of Mars... Bad seeing with a big limb artifact, but some clouds appears on Arsia Mons... Best regards,

Taken with : Newton 18cm F7 Powermate x5 @ F53
IR-Block Astronomik ToUcam 740

Xavier DUPONT (ｸﾞｻﾞｳﾞｨｴ･ﾃﾞｭﾎﾟﾝ Saint Roch 法)

●・・・・・・***Date: Thu, 29 Nov 2007 22:37:35 +0100***
Subject: Mars 2007/11/27 23h41 UT

Hi Guys , Mars 2007/11/27 23h41 UT.
http://www.astrofotografie.nl/mars_2007_11_27.htm

○・・・・・・***Date: Sat, 8 Dec 2007 15:25:19 +0100***
Subject: Re: Mars 12/06

Hi Sean, nice to see the same area as my images from 27/11/2007. What I see on my images from the 27 is the dark streak (Ceraunius Fossea) between the Tharsis Montes and Alba Patera. It's realy dark streak, why wonder that so dark streak are good visible in my images compare to your images from 6/12/2007 Your image Resolution is very good ! Regards

Richard BOSMAN (ﾘｼｬﾙﾄ･ﾎﾞｽﾏﾝ Enschede 蘭)

●・・・・・・***Date: Thu, 29 Nov 2007 23:41:53 -0000***
Subject: Barbados 2007 Full Report.

Hi all, Here is the full gallery at long last after months of work. Hope you enjoy it:
http://www.damianpeach.com/barbados07.htm
Best Wishes

Damian PEACH (ﾃﾞﾐｱﾝ･ﾋﾟｰﾁ Bkh 英)

●・・・・・・***Date: Fri, 30 Nov 2007 09:51:09 +1100***
Subject: Mars (plus animation), Saturn and Venus from Australia - 28thNovember 2007

Hi all, Seeing was good on Thursday morning, with stable overnight temperatures (16°C) helping to keep my mirror to within 0.2° of ambient temperature.

Mars (my best for the season) was just under 31° altitude, and is an RGB image. The best image from the session is attached, and an animation of 6 frames (spanning 1 hour) can be downloaded here:
http://www.iceinspace.com.au/downloads/20071129-mars_anim.gif

Saturn (my best for the season) was at 30° altitude. The seeing/brightness didn't hold up to using the 5x powermate but the 3× barlow yielded good results.

Venus was at 17°, and is the red channel only. Still waiting for my UV filter to arrive :

All captured with my 12" newt + DMK21AF04.

Thanks for looking.

Mike SALWAY (ﾏｲｸ･ｿﾙｳｪｲ NSW 澳)

●・・・・・・***Date: Sat, 01 Dec 2007 03:08:50 +0100***
Subject: Mars from 29.11.2007

Dear Colleagues, attached my first Mars with a b/w camera. Now I can use my different filters for rgb-technic and also ir-filter. I am pleased about the improvements... best wishes

○・・・・・・***Date: Sun, 02 Dec 2007 01:23:40 +0100***
Subject: Re: Mars from 29.11.2007

Dear Masatsugu, uuuups, I added 1 hour to my local time in place of subtracting it on the picture. Sorry! Your time adjusting was correct, thank you very much for that work!

> How did you find your LCM?

I open the "Infobox" of Guide8 (my Astronomy-Programme), there I find all I need. My Guide8 works with local time, because a lot of visitors at the observatory ask me e.g., "when will I see the Orion-Nebula?", "when will Mars rise?", or "when will the Star Riegel stay exact at its highest position?" Then I must tell them our local time, not GMT... best wishes

○・・・・・・***Date: Sat, 08 Dec 2007 07:31:25 +0100***
Subject: Re: [marsobservers] Re: Mars 12/06

Hi Stanislas, with a colour webcam and 6" Newton I never get "violet clearing" structures in 2003 and 2005. And it even was hard to get blue white clouds, because the blue channel has a very bad noise/signal ratio...

To get atmospheric structures like "violet clearing" I need a b/w camera, a violet narrow bandfilter, not the "normal" blue filter of an rgb set, good seeing conditions and a lot of luck. Not every night Mars shows violet clearing.... Also a small Mars diameter is bad for showing some atmospheric details.

Last year I changed my equipment. Now I use an b/w camera, an 8" Newton with eyepiece-projection at *f*=40 and an rgb filter set from Astronomic. But this season I really have bad weather. Rainy nights, stormy nights, cloudy nights. Clear skies are seldom this winter on my location: If I have clear skies, the seeing is horrible (2-4/10). So my few rgb and ir-rgb composites don't show fine details: Using a b/w camera with a deep red filter (665 nm, 715 nm, 840 nm) shows surface structures with better contrast. And the fact, that seeing is better in deep red and IR brings more sharpness.

This is the reason for using ir-rgb composites. In the moment it is the only possibility to do something...

Silvia KOWOLLIK
(ｼﾙｳﾞｨｱ･ｺｳﾞｫｯﾘｸLudwigsburg徳)

●・・・・・・***Date: Sat, 1 Dec 2007 22:38:11 +0100 (CET)***
Subject: Re: RE:Re: RE:Re: At Meudon/ Masatsugu

Dear Bill, Masatsugu, Masami, Francis,... I follow your discussions and suggestions for the SOC of the meeting, dates,...roughly and basically totally approve them - we should just make sure not being too many in the SOC...

I quickly submitted a draft of the meeting objectives to the obsevatory in the call for events to get support from the "*International Year of Astronomy 2009*" or at least get the label.

Otherwise i have been very busy recently and until early january 2008 (two missions to make radio observations), especially because of the 17P/Holmes burst... I hope to get back to the mars meeting organisation soon.

I suugested a title as "International Workshop of Mars Observers", but if you have a better idea... Regards,

Nicolas BIVER (ﾆｺﾗ･ﾋﾞｳﾞｪｰﾙ Meudon 法)

●・・・・・・***Date: Tue, 4 Dec 2007 16:51:35 +0900 (JST)***
Subject: お悔やみ申し上げます

南様：お母上様のご逝去に際し、心よりご冥福を申し上げます。

○・・・・・・***Date: Tue, 4 Dec 2007 17:07:56 +0900 (JST)***
Subject: 火星画像　AKM071130,AKM071203

南様:C-14が使いないのは残念ですが、C-8で続行しています。C-14のCPは今探してもらっています。うまく行けば交換できるでしょう。

○・・・・・・***Date: Fri, 7 Dec 2007 13:56:55 +0900 (JST)***
Subject: 火星画像　AKM071206

こんにちは、昨日の火星画像です。C8でも画像はいけそうです。NPR付近がRでもしっかり捉えられるようになりました。LRGBで撮ってみました。ちょっと色彩が違うのは違和感があります。

阿久津 富夫(Tomio AKUTSU セブThe Philippines)

●・・・・・・***Date: Tue, 4 Dec 2007 19:57:14 +0100***
Subject: mars obs 04th dec.

Dear Christophe, dear Minami san, dear Richard, to all, Here is the last documents done lastly, seeing conditions were average not poor, in the 200mm cassegrain, but between clouds. This concerns the features for 04th:- from CM 98-105° on the 04th nov. morning. Some comments are given in the attached files for few only.

Hazing at the limb is still present and at terminator .
This is confirmed that the face disk to view is covered by haze, prodominent at the edge disk (limb and terminator) and a large cloud haze is present on the Chryse area and more, occulting some common features. The NPH/NPC is white brigth as also the SP area but at a step less in intensity. The presence of so haze intensity modifies the common aspect of Mars so that common features are difficult to identify. Did not see Solis Lacus for example. Never seen in past the activities of the SP area and the NP area at same period. Hazing is for all parts brighter in blue ligth than in yellow, rather brilliant visually.
Should be very interesting to see hour to hour the evolution of the shape clouds and from nigth to nigth. Haze should feed the NPC so that it shall be growing more.

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

●・・・・・・***Date: Wed, 5 Dec 2007 08:09:06 -0600***
Subject: Bates image 12/03/2007

Skies have been clear, but seeing has been terrible. Almost no detail visible due to high altitude cold air mass from the North. Mare Sirenum is just barely visible, as is Solis Lacus. Should get better in the next few days.

○・・・・・・***Date: Sat, 8 Dec 2007 18:10:35 -0600***
Subject: non title

Greetings Gentlemen: Sky conditions were only fair, and the plant was about 40degrees above the horizon when this image was taken. Solis Lacus is clearly visible.

Don BATES (ﾄﾞﾝ･ﾍﾞｰﾂ Houston TX 美)

●・・・・・・***Date: Thu, 6 Dec 2007 00:38:39+0000 (GMT)***
Subject: Mars image 2007 December 5th

Gentlemen, Chryse noted as rising very bright this evening, quickly processed image (red only) attached. Hope to get something better out of other data tomorrow. Visually a generally rather washed out appearence in the general area beyond Margaritifer Sinus, regards for now

○・・・・・・***Date: Sat, 8 Dec 2007 18:46:15 +0000 (GMT)***
Subject: Mars image 2007 December 7th

Gentlemen, another Mars image for you and actually a full RGB set this time. Chryse again rose bright, but not as striking as on the 5th. Edom / Schiaparelli just visible as bright in red also. best regards for now

Ian HANCOCK (ｲｱﾝ･ﾊﾝｺｯｸ Canterbury 英)

●・・・・・・***Date: Thu, 6 Dec 2007 11:03:14 -0800***
Subject: Mars 12/06

Very good conditions this morning, though COLD (18 °F when I ran in the house to thaw out)! Note the orographic clouds around all four volcanoes, plus the clouds in Valles Marineris, as well as Phaethontis.
The area (volcanic planes?) surrounding Olympus Mons much more visible in IR, though none was used in the RGB versions presented here.

○・・・・・・***Date: Fri, 7 Dec 2007 15:37:56 -0800***
Subject: RE: Mars 12/06

Thanks Paolo- I beg to differ on the "spottyness". Much of it is real detail. Attached is an animation of the two red channels I took that night spaced 11 minutes apart and processed exactly the same. I'm not claiming every little spec is real detail (especially the sharpening "ring" on the morning terminator), but the majority is - perhaps as much as 90%. Therefore, I could conclude many images I see recently over smoothed. It's a matter of personal taste, really.

----------*original message*----------
>◆・・・***Sent: Friday, December 07, 2007 9:41 AM***
>Subject: Re: Mars 12/06
>>Hi Sean!
> Nice to see the sweet fruit of your brave job under such cold
> temps! Great images although too "spotty". You might want to
> soften the deconvolution. >**Paolo R. LAZZAROTTI**

Sean WALKER (ｼｮｰﾝ･ｳｫｰｶｰ *S&T* 美)

●・・・・・・***Date: Thu, 06 Dec 2007 12:22:34 +0100***
Subject: Re: At Meudon/ Masatsugu

Dear Masatsugu, Nicolas Biver informed me that he has to send until December 15 the detailed scheme, written in 5 pages, of the workshop of Mars observers: SOC, dates, program, budget... It seems that you already made a lot of progress about it. With best regards.

Francis OGER (ﾌﾗﾝｼｽ･ｵｼﾞｪ *nr* Paris 法)

●・・・・・・***Date: Fri, 07 Dec 2007 00:14:21 +0900***
Subject: Re: カンパ有難うございます

南様、いつもCMO興味深く読ませていただいております。火星のスケッチもとったりしておりますが、最近のCCD画像を見ますと、15センチ鏡筒

での、しかも冴えないスケッチではとても足下にも及ばず、もっぱらCMOを読むのが中心になってしまっております。今後とも、よろしくお願いします。

神崎 一郎 (Ichiro KOHZAKI 千葉 Chiba)

●・・・・・・***Date: Fri, 07 Dec 2007 23:31:58 +0100***
Subject: Re: [marsobservers] Re: Mars 12/06

Stanislas, Images show different quality of reproduction of atmospheric details because most of observers are more interesting in surface features. Generally, atmospheric martian features are too faint to catch attention. So most people will process the images so as to get highly contrasted surface details, sometimes with processings like RRGB or IR-RGB, which result is to erase some 80-90% of atmospheric data. Now about how utile are our amateur observations, it is evident that we have nothing to bring to Mars professional science (this would be different for other planets though). But, we have something to bring to amateurs themselves. Organisations like BAA, ALPO, SAF or OAA are likely to produce "amateur science" as I like to say, using amateur images and professional theories, destinated to observers. Now we are observing for us, after all ;-))

○・・・・・・***Date: Sun, 09 Dec 2007 12:52:59 +0100***
Subject: Mars 2005 SAF report

Hi all, Just a short word to let you know that I have finally finished the SAF 2005 Mars report. You will find it following this link - however I'm sorry but it's written in french (too much work for me to translate. Some of you may still read it.

http://astrosurf.com/planetessaf/mars/rapports.htm

It has been completed in three parts regarding respectively the technical data of our observations, things observed on the surface of Mars (with an interesting section about how red surfaces appear in violet light), and atmospheric phenomenas (an english resumé has been published by the CMO last year for the dust storm section). Best wishes.

○・・・・・・***Date: Sun, 09 Dec 2007 13:23:20 +0100***
Subject: Re: Cap or not under the hood ? More elemen

Dear Masatsugu, Much sorry to be that late in answering. Just a final word about the strange aspect of the dust veil seen in Mare Acidalium on november 3th. I have taken a close look to Dave Tyler's image on that day. It looks to me that the dust is indeed "bright" but the veil is faint and its darkness is created by the underlying dark terrains of Niliacus Lacus. If you take a look at P.Casquinha's welcomed IR image, you will see that the dust veil still has a brighter albedo than the ground. However it's not thick enough to be objectively bright. Remember how "invisible" or almost can be a planetary-spread dust veil like in 2003 or 2005? I am now sending some belated november images... Best wishes

Christophe PELLIER (クリストフ・ペリエ *nr* Paris 法)
(*Animateur de la section Mars et planètes telluriques, SAF*)

●・・・・・・***Date: Sat, 8 Dec 2007 11:26:58 EST***
Subject: MARS: the BAA final report for 1999

Dear friends: I attach the final BAA Mars report for the 1999 apparition, just published in the BAA Journal for 2007 December (volume 117 number 6). Apologies to you on this list who receive a paper copy of the Journal. Thanks are due to many of you for contributing to this report. I am now working on the next few apparitions. For those who wish a pdf of 1995 and 1997 please see our website at:

http://www.britastro.org/mars

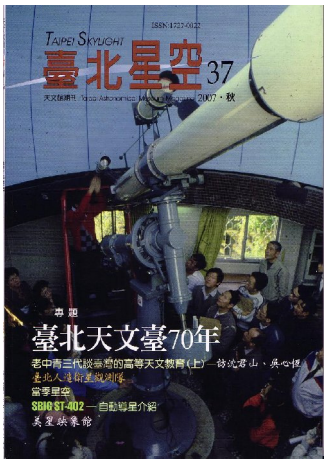
A short account of the 2007 opposition will feature in a forthcoming Journal early in 2008. With best wishes,

Richard McKIM (理査・麥肯 Peterborogh 英)
(*Director, BAA Mercury & Venus Section*)

☆ ☆ ☆

臺北天文臺70年 (その1)

臺北市立天文科學教育館 (Taipei Astronomical Museum)發行の『臺北星空』37 (2007年秋號)に専題として「臺北天文臺70年」が組まれている。特集記事で、幾つかに分けて頁の多くを割いている。何故70年なのかはよく分からないが、圓山天文臺の前身の中山堂天文臺、これは戦後の名前で、もともとは臺北公會堂と呼ばれ、その公會堂が1937年に完工しているのでその邊りであろうか。但し、公會堂天文臺は1939年に成立している。10cm屈折を持っていた。蔡章獻さんは1947年から1963年まで中山堂天文臺長を勤められた。圓山天文臺(Taipei City Observatory)が落成したのは1963年である。蔡章獻さんは1963年から臺長を勤められ1991年に退職された。25cm屈折は1971年頃からだろうと思う。筆者がお世話になった1986年、1988年にNo.2だった陶蕃麟さんは1971年から1980年まで義工、1980年から正式に研究組に入り、1997年からは組長で、1997年に退職された様である。



1996年十一月には臺北市立天文科學教育館が士林に竣工、2000年七月25日には圓山天文臺は悲惨にも跡形無く毀された。重機が破壊している照片が載っている。教育館のいまの館長は邱國光さんで、筆者が滞在したときには圓山天文臺の方でお世話になった。蔡章獻さんとは十五、六年お逢いしていないと思うが、寫眞で拝見するとだいぶお年を召した。賴武揚さんと同い年(1923年生)だが、お二方(ふたかた)ともお元氣で、今回、賴武揚さんには「我在天文臺的日子」の中の陶蕃麟さんの文章を和譯していただいた。それを紙面の都合上二回に分けて紹介する。最初にスプートニク騒動の話が出てくるが、これには賴さんの想い出もあるようで、次回にそれも合わせて紹介したい。 (*Mn*)

文/ 陶蕃麟・譯/ 賴武揚

スプートニックが臺北の上空を通過するという晩、家人と一緒に屋上へ上がって觀望した。やがて周囲には衛星を見つけた人々の喜びと驚きの聲が揚ったが、私は見附けることができずに、滿天の星を仰いで呆然とするだけだった。この時に私は天文人になろうという無茶な決心をしてしまった。當時はまだ圓山天文臺が存在せず、私の家は中山堂の直ぐ近くだったのだが、中山堂の屋上に天文臺があることすら知らなかった。

初めて圓山天文臺を訪れたのはいつのことだったか、もはや思い出せないが、多分私が初めて星座早見をそこで買ったときだろう。正式に天文臺と關わりができたのは、民國60年(1971年)の火星大接近の時だった。そのときはメディアの宣傳があったので、8月12日の日が暮れる前から天文臺に大勢の人がつめかけた。夜が來ると人數がますます増えて、人々は苛立ち、天文臺入り口のガラス戸が押し割られてしまった。そのため定刻前に入場させなければならなかった。

そのころの私は恐れを知らぬ若造だったから、自分がここに來た目的が火星を見ることにあったのを忘れて、賴まれもしないのに階段に立ち入り、參觀者の秩序を維持する役目をつとめた。一晩の忙しい役目を終えて、人々が去ったとき、天文臺の職員たちが何か話し合っているのが見えた。やがて選ばれた代表者がおずおずと私に近附いて、「あなたは、どこのお方ですか」とお伺いに及んだのである。かくて私は身分を表示する機會を得て、臺灣の天文教育の創始者蔡臺長に存在を認められた。その縁で圓山天文臺の早期のボランティアの一人になった。

あの時代はまだボランティアという觀念が確立されていなかったが、圓山天文臺には二人の職員と五人の雇いに加えて、一群の有實無名のボランティア陳正鵬、蔡鴻彰、鄭炳今、周國華、李燦芝‥‥などがいた。その人たちは今ではおおかた臺北市天文協會の中堅幹部になっている。

圓山天文臺の規模が擴大されて、民國69年(1980年)に新しい職員を募集した。幸いにも私は物理學科の出身だったから、技術員として圓山天文臺の正式の職員に採用された。出勤の第1日目に、たちまち太陽黑點の觀測を任された。實習もなく、教育訓練もなし、今までの紀録を參考にするだけで、新米による仕事がスタートした。私はこの仕事を17年續けて一羽半の「胡蝶」(註1)を育て上げた上に、「臺北」獨自觀測による黑點のグラフ曲線(註2)も作り上げた。

規模を擴大した圓山天文臺にはプラネタリウム(天象儀)が裝備されて、お天氣の影響を受けることなく星座や天球の運動を教えることができるようになった。しかし、天文知識の傳播やニュースの通報にはまだ不足だったから、以前からあった『天文快報』のほかに、新たに『觀測月報』を發行して、毎月の天象を豫報するとともに、臺灣地區同好者の爲に觀測資料を纏めた。民國73年(1984年)からは『太陽黑子年報』を、民國77年(1988年)からは『天文年鑑』を發行した。これらの仕事は、今では別の場所に新設された天文科學教育館に引き繼がれている。 (この稿續く)

シー・エム・オー・フクイ　中 島　孝 *Nj*

★前回報告以降、**神崎　一郎**様(397)よりカンパを頂戴しました。有難うございました。不一

☆ Kasei-Tsûshin CMO (*Home Page*: http://www.mars.dti.ne.jp/~cmo/oaa_mars.html)
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