

MARS

No. **355**
25 February 2009

OBSERVATIONS

Published by the OAA Mars Section

07/08 CMO Note (9)

The Dust Core in Nilokeras on 5 November
Remained Stable in the Daytime5 Nov のニロケラス黄塵は朝起こりて
昼間動きなし

◇ As we have experienced for example in 2001 on 28 June and 29 June, the dust cores which newly rose in the early morning were to remain unchanged during the daytime (the dust cores stayed at Isidis Planitia resp across M Cimmericum on 28 June 2001 resp on 29 June 2001). This is characteristic of the dust disturbances seen in the early days of the dust storm. The dust cores which were seen on 18 October 2005 through 24 October 2005 repeatedly near the area of Solis L also behaved similarly. ◇ This phenomenon was also observed in the case of the dust core seen inside Nilokeras which occurred on 5 November 2007 (at $\lambda=342^\circ\text{Ls}$). As to the more regional behaviour at that time which started from 2 November we already stated in Note (4) in CMO

#350, where we reported that on 5 November there were made a lot of good observations; Damian PEACH (*DPc*) observed from 1:24 GMT to 5:27 GMT, David ARDITTI (*DAr*) did between 3:35 GMT and 4:56 GMT, and so on. We here pick out, in addition to *DAr*'s image, Ian SHARP (*ISp*)'s image at 4:03 GMT, Paulo CASQUINHA (*PCq*)'s at 5:13 GMT as well as Bill FLANAGAN (*WFl*)'s at 9:30 GMT, the last one being very important because it caught the dust core near the evening terminator. On the series of the images produced by *DPc*, the dust core is first checked at 2:57 GMT ($\omega=351^\circ\text{W}$) and so the dust core thus was chased for about 6.5 hours until *WFl*'s $\omega=086^\circ\text{W}$. ◇ However the phase angle was $\iota=34^\circ$ so that it was impossible for anyone to see the early morning side for about two hours, and *PCq*'s $\omega=024^\circ\text{W}$ or *DPc*'s $\omega=027^\circ\text{W}$ implied the dust core on their images stayed around the noon line, and so we regrettably say that we don't have the afternoon image (because of the Atlantic Ocean) until we have *WFl*'s image in which the core is shown up two hours before the sunset. ◇ However, as a general

Dust Core in Nilokeras on 5 November 2007 ($\lambda=342^\circ\text{Ls}$ $\iota=34^\circ$ $\phi=07^\circ\text{N}$)

trend, we may be safe to say that there did not occur a significant further disturbance on the dust core during the period. *WFI*'s image may suggest a bit of dispersion, but anyway it must subsided during the night, and no trace of the core on the next day was seen as shown by the image of Don PARKER (*DPk*) on 6 November ($\lambda=343^\circ\text{Ls}$) at $\omega=051^\circ\text{W}$. ◇ In the present case, we may suspect there remained still a slight effect of the preceding big dust storm (so that there must have been still an activity at night), and furthermore there was observed a slight dust activity on 4 November, whereas we may say any local dust is local in the sense it does never develop largely in the daytime. (Mn)

◆2001年六月28日のインディス・プラニチアの黄塵や、翌29日のマレ・キムメリウム上の黄塵は朝発生し、そのまま持続しており、これは黄雲初期の黄塵に見られる現象と考えられることは何度か強調した。近くは2005年の十月中旬に発生した黄塵も同じ様な振る舞いをしたことは記憶に新しい。◆このことは2007年の場合十一月5日($\lambda=342^\circ\text{Ls}$)のニロケラス内の黄塵に見られる。この時期のこの辺りの様子に就いてはCMO#350のNote (4)において既に扱ったように、十一月2日に矢張りニロケラス内に黄塵が現れたほか、複雑な振る舞いが見られたのだが、そこに述べたように5日にはピーチ(*DPc*)氏の1:24GMTから5:27GMT迄の

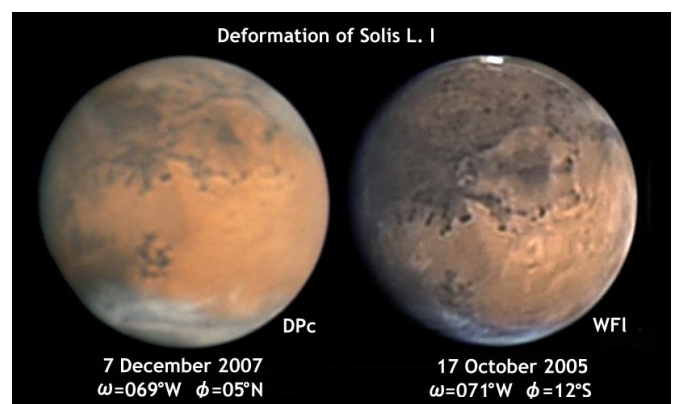
観測やアーヂッチ(*DAr*)氏の3:35GMTから4:56GMT迄の観測など好い観測が揃っており、最終にはフラナガン(*WFI*)氏の貴重な9:30GMTの観測があり、この黄塵の一日の様子をうかがい知れること出来る。ここではシャープ(*ISp*)氏の4:03GMTとカスキニア(*PCq*)氏の5:13GMTの像などを並べる。*DPc*氏の像でこの黄塵が見えてくるのは2:57GMTの $\omega=351^\circ\text{W}$ 像邊りであるから、*WFI*氏の $\omega=086^\circ\text{W}$ まで六時間半ほどの追跡ということになる。◆但し、この時点で位相角 ι は 34° であるから、朝方二時間ほどは見る事が出来なかつたし、*PCq*氏の $\omega=024^\circ\text{W}$ 像や*DPc*氏の $\omega=027^\circ\text{W}$ 像では未だ黄塵が正午そこそこであって、完全な午後の映像でないのは残念である(大西洋と美國東海岸での鬨落)。一方、*WFI*氏の像では稍跳びすぎて日没二時間前となっている(その爲に貴重であるが)。◆然し、総じてこの間、この黄塵に大きく擾亂が起きるといふことはなかつたと見られる。*WFI*氏の像に於いて稍擴がりが見られるかも知れないが、夜間には沈静化したようで、翌日の6日($\lambda=343^\circ\text{Ls}$)のパーカー(*DPk*)氏の $\omega=051^\circ\text{W}$ の像には痕跡も見られない。◆今回の場合、大黃雲の影響も少しは残っている(従って夜間には活動がある)と思われる上に、事実4日などにも昼間の活動が見られるのであるが、実際に局所黄塵が起きるとき、矢張り昼間ではさほどの変化を見せないといふことが言えるようである。(Mn)

07/08 CMO Note (10)

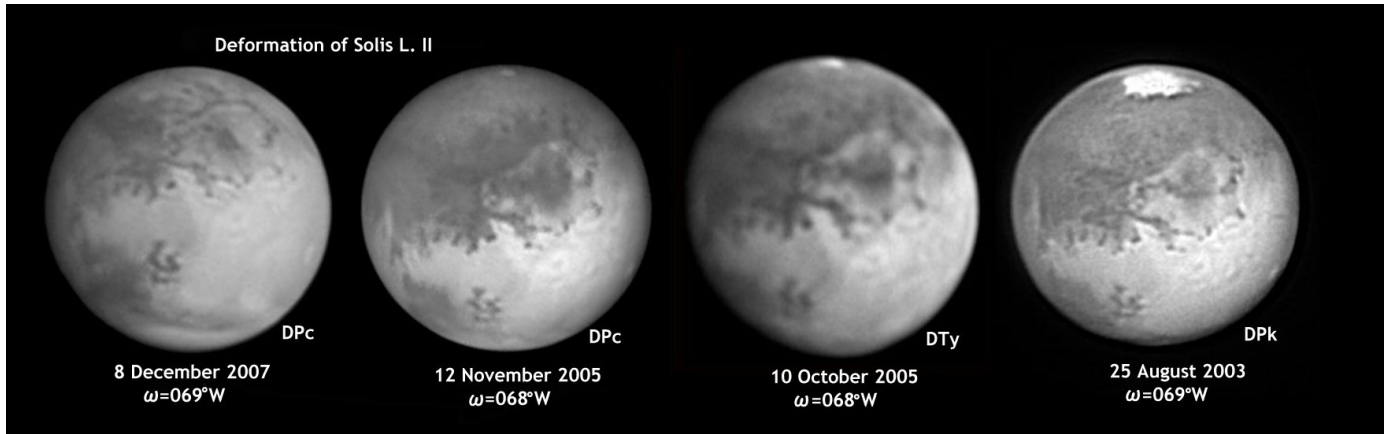
Deformation of Solis Lacus in 2007

2007年のソリス・ラクスの変形

◇ In order to see the situation of apparent deformation of Solis L and its environments in 2007, we first compare an image produced by Damian PEACH (*DPc*) on 7 December 2007 with another by Bill FLANAGAN (*WFI*) taken on 17 October 2005 whose Solis L can be considered to show the recent standard aspect. It is obvious that the area of Solis



L in 2007 is quite deformed by the preceding furious dust storm in 2007, and *DPc*'s image fully shows its aspect of devastation. It is interesting to see that a trace of the area of Aurea Chersonesus is left, while the area around Nectar is considerably



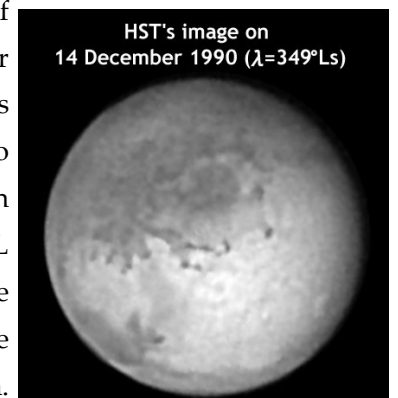
deformed. The eastern border of Thaumasia Foelix (ridge) is thinly apparent while its eastern Bosporos region is largely devastated. These look to have occurred because of a fallout of the dust which must have been floating previously. ◇ Note however *WFI*'s image is composed by the LRGB method so that it may be excessively contrasty, whereas *DPc*'s image is an RGB one and so looks more natural. A comparison may be made concerning Juventae Fons: If the dust sediment inside the hole is not so thick, the comparison should be made after the density of Juventae Fons on *WFI*'s image is slightly lessened.

◇ The reason that we regarded Solis L on *WFI*'s image as being rather standard is because after the day when *WFI* took this image a considerable dust disturbance occurred especially at the area of Solis L from 22 October 2005 and continued up until around 25 October. See CMO #312, or <http://www.hida.kyoto-u.ac.jp/~cmo/cmomn2/CMO312.pdf>

So here we further compare *DPc*'s image in 2007 with his image on 12 November 2005 which was taken after the October dust event in the following Figure. Apparently if this is compared with a preceding Dave TYLER (*DTy*) image taken before on 10 October 2005, there is shown a bit of change, and the difference in the area of Thaumasia Foelix and the Bosporos area to the east of Thaumasia shows that these areas look to have quite darkened. This must imply that the dust disturbance in October caused a "wash out" of laid dust on the areas. This kind of darkness however does not necessarily to be durable. ◇ In the second Figure, we have added an image of Don PARKER taken in 2003 for com-

parison. In 2003 it looked the Thaumasia boundary ridge was not so strong, and so between 2003 and 2005 there must have been a bit of dust disturbance. The area of Bosporos, to the east of Thaumasia, does also look thinner in 2003, but compared with the case of 2007, the contrast of light-and-shade was mild in 2003. ◇ The darkish marking of Bosporos, more exactly the area between Aonia Terra including the Lowell crater and Bosporos Planum, looks normally in 2007 though very devastated and thinner in general: This must have been because the precipitation or fallout occurred quite uniformly. ◇ Incidentally it should be noted that Olympus Mons (its flank) is bright because of reflection on the morning side on every image of the second Figure because they are taken near at opposition.

◇ We thirdly and finally show an HST R image taken in 1990 on 14 December for comparison. Except for the area of Solis L the minor markings such as Aurea Cherso look to be stable, but we can say the area of Solis L is really changeable and any is never the same each apparition.



The Martian season of the 1990 image is between those of 2005 and 2007.

(Mn)

◆ 先ず、最初の圖でピーチ(DPc)氏の7Dec2007の畫像と2005年の17Oct2005のフラナガン(WFI)氏の畫像の標準的なソリス・ラクスの邊りを比べてみれば一目瞭然の様に、2007年にはソリス・ラクス

自身が相當に荒廃している事が分かる。DPc氏の像は十分に描寫していると思う。これは2007年に起こったノアキス大黃雲の結果である。アウレア・ケルソの邊りは痕跡を遺して興味深い、ネクタルも相當に變形している。タウマシア・フェリックスの東の境界(聯峰)は辛うじて線として残っているが其の東側は薄くなっている。境界でも聯峰から外れているところは消えている。これらは黄塵の沈澱によって起こっていると考えられる。◆尚、WFI氏の像はLRGB像で、濃度に関して稍コントラストが強く出ているしれない。DPc氏の像はRGB像でよりリアルであろう。比較はユウエンタエ・フォンスの濃度で勘案出来るが、もし穴蔵深く黄塵が降りていないのならば、WFI氏の濃度を差し引かねばならない。

◆ところでWFI氏の像のソリス・ラクスは標準的だと言ったが、それは17Oct2005以降にこの邊りに黄塵が発生し、様子が幾らか変わったからである。そこで、次の圖で、十月黄塵沈静化後の12Nov2005のDPc像と並べる。10Oct2005のタイラー(DTy)氏の像と比べると、明らかに違いがあってタウマシア・フェリックス自身も薄暗くなっており、タウマシアの東側も可成り暗色化し、ネクタルも稍濃くなっている。これは21Oct2005以降、ソリス・ラクスの西側に黄塵が発生し、少なくとも

も25Octまで持續したからである。CMO#312参照。
<http://www.hida.kyoto-u.ac.jp/~cmo/cmomn2/CMO312.pdf>
 この場合は"洗い出し"が起こって、表面の砂が拂い除けられたからであろうと思う。然し、こうした暗色化は持續するとは限らない。◆この圖には2003年のパーカー(DPk)氏の畫像も比較の爲に載せた。2003年にはタウマシアとその東側の境界線(聯峰のところ)が餘り濃くはない。その後2005年に変わっているから、稍洗い出しがあったのかもしれない。ただ、2003年の東側は全體に淡いが、2007年には未だ淡化のコントラストが強い様に見える。◆尚、2007年の像に於いて東側のローエル・クレータを含むアオニア・テッラ邊りからボスロス・プラヌム邊りへの明暗模様は何れも(淡化した像でも)見えている。砂塵の降下が平均化されていた所爲であろう。◆また、これらは衝近くに撮られている所爲もあり、オリュムプス・モンスの山腹が朝方でも反射して明るく見えている。

◆序でに2007年の十七年前の1990年のHSTのR像(14Dec1990)を挙げた。ソリス・ラクスは別として、その近傍の様子は大きくは変わっていないのだが、細かく見ると各年比べて同じものは一つとしてないことが分かる。尚、1990年の像の火星季節は2005年と2007年の間である。(Mn)

便り

Letters to the Editor

●.....*Subject: Dynamic Jupiter in Motion*
Received: Fri 23 Jan 2009 06:07:40 JST

Hi all, In the From the Vault series, I feature an older image which hasn't been seen on my site before and I talk about the capture and processing and hopefully highlight why this image is special to me.

The feature image in From the Vault this week shows a Dynamic Jupiter in Motion with an image montage and a 21-frame animation bringing Jupiter alive and is something you must see! You can watch Ganymede and Europa transit across the face of Jupiter, the GRS rotate into view, and the volcanic moon Io pop out from behind Jupiter in the last few frames. Albedo features on Ganymede are visible in practically every frame, including while transiting Jupiter, and icy Europa actually reveals its crescent phase while contrasted against the backdrop of the gas giant.

Please see the image and animation and read about my

capture and processing, here:

<http://www.mikesalway.com.au/2009/01/23/from-the-vault-dynamic-jupiter-in-motion>
 Captured with the DMK21AU04 using a 12" Newt.

○.....*Subject: Saturn + Titan transit animation*
Received: Tue 27 Jan 2009 10:36:41 JST

Hi all, Here's my image + report of the titan transit. Unfortunately clouds came in from the South West and my night was cut short. But I was able to capture 3 frames, and below is an animation showing Titan just on the edge of the disc, and then crossing the face.

To read more, please go to:

Rare Saturn Titan Transit Animation

<http://www.mikesalway.com.au/2009/01/27/rare-saturn-titan-transit-animation>

○.....*Subject: A Birthday Saturn Image, 5 Feb 2009*
Received: Mon 09 Feb 2009 13:35:24 JST

Hi all This image of Saturn was captured on the morning of the 6th January 2009 at about 2am, but it was still my birthday in Universal Time/GMT. The seeing was maybe a little above average but I was really tired, so it didn't take much to convince myself that the seeing wasn't good enough and that I should go back to bed. So I only captured 2 runs, and the image below is from the second run. For all I know the seeing may have improved once I went to bed but I was too tired to care :)

You can see in the image below that the rings are starting to open up slightly again, but they will close again over the next few months until they are completely edge on and disappear from view in early September 2009. Unfortunately Saturn will be too close to the Sun to effectively observe from Earth at that time. Please click the link to read more capture and processing information. <http://www.mikesalway.com.au/2009/02/09/a-birthday-saturn-image>
Thanks for looking.

Mike SALWAY (マイク・ソルウェー NSW 澳)

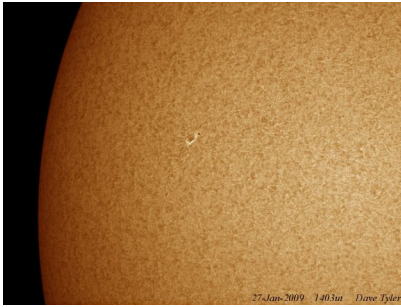
●.....**Subject: solar prom 21-Jan 2009**
Received: Fri 23 Jan 2009 06:15:13 JST

Hi Guys, The 11:15ut image is the remains of the proms from the 20-Jan Image. There were a couple on the opposite side too seeing was pretty good for the 17 degrees altitude. Best wishes

○.....**Subject: the sun today 27th JAN**
Received: Wed 28 Jan 2009 07:34:06 JST

Hi Guys , there was not a lot going on today. I tried out a solar max 60mm, with the 60mm etalon and blocking

filter on a 80mm x 600 fl TMB. This was the biggest prom I could find, nothing like the beauty I saw yesterday during some double stack visual testing with the complete



solarmax scope. A baby AR was on view today too. A 2.5 powermate was used in the TMB so I was imaging at f_{25} , with a BF10 and SKYNYX. Best wishes

○.....**Subject: Low sun activity**
Received: Mon 02 Feb 2009 05:15:39 JST

Hi guys, not a lot up there today as observed at 13 deg alt from the UK. A couple of small proms were seen on 33x in a 60mm DS solarmaxscope. Transferring the the .7A etalon and BF10 to an 80mm 600mm fLTMB I imaged one prom with and without a 2x ceemax barlow. Seeing although steady had that low altitude fizzle to it, which Registax readily turns into noise on normal wavelet usage.

The blue sky and 0°C was nevertheless very welcome.

○.....**Subject: Re: Feb 03, 2009 Sun in h-alpha**
Received: Wed 04 Feb 2009 06:17:41 JST

Hi Erika/Guys Thanks for the interesting observation

Erika. I too was out there in the cold, it was actually snowing a little from a short lived blue sky, but about



+3°C at 12 deg further north and 5 hours earlier than your observation, and at 0°44' longitude. This image was

taken with a 60mm Coronado in single stack mode with a 80mm x 600mm TMB, with and without a 2x Ceemax Barlow. Good visual seeing but poor transp' No filaments were seen visually at 50x, Sun alt 22degrees. Cloud stopped play. Best wishes

○.....**Subject: Solar Lackoff**
Received: Fri 06 Feb 2009 00:26:11 JST

Hi Guys not to get mixed up with Solis Lacus. We are really scraping the bottom of the barrel just now, looking for that bit of detail on the star of shrinking proms. One has to adopt the Media attitude, and make something out of nothing! Anyway one can't waste a clear spell so here is the best I could do.

The wider field images were at 1200mm efl ie f_{20} with a 60mm Solarmax @.7Å On an 80mm TMB, and the higher mag ones at 1800mm efl and f_{30} .

I daresay there are some larger fainter proms on view that are obscured by the suns low altitude here in UK. In fact there is something I missed on the top left of the higher mag shots. It's visible if you brighten the image and pump up the contrast a bit. That is, if you fancy a bit of straw clutching! Best wishes

○.....**Subject: massive proms, NOT**
Received: Sun 08 Feb 2009 09:01:19 JST

Hi Guys, here are a couple of the biggest proms I could find today, the snow covered ground may have been contributed to the excellent seeing at just 15deg alt. An hour earlier using the scope in double stack mode, I saw a small very bright area near the disc centre. 1200mm efl 60mm solarmax .7A , LU075 M. Best wishes

○.....**Subject: todays proms**
Received: Mon 09 Feb 2009 08:06:19 JST



Hi Guys, Love this solar seeing over snow. There was a little more activity up there today, ok it was in the same regions as yesterday, but a little busier.

○.....**Subject: prom 10-feb-2009**
Received: Wed 11 Feb 2009 05:01:02 JST

We had another clear spell today among our current winter chaos, enough to capture what was on offer. Which was an increase in size and brightness of yesterdays prom. It was an excellent sight in my DS 60mm Maxscope, on 33x. No filaments were on view at this time. If the sun was any quieter it would go out.

A European solar observatory puts out a virtually live Ha image updated each minute, weather permitting of course. This can be viewed on <http://www.solobskh.ac.at/>

Details (in English) of the equipment can also be found inc. a 100mm X 2000mm scope with a Zeiss made Lyot filter. Best wishes

○.....**Subject: solar 11-feb-2009**
Received: Thu 12 Feb 2009 06:19:13 JST

Hi Guys, Bit of an AR has come onto the disc. I im-

aged it 3 ways:-

1. with a daystar ATM .6A 80mm TMB x 2400 efl.
2. a 60mm .7A solarmax on the 80mm TMB x2400 efl
3. My daystar in the 80mm TMB + the front etalon from my 60mm Coronado double stacked maxscope, to give a bandwidth of approx.4A?

The double stacked image was a case of lets see what happens, How pleasant when something works like you

think it ought ! I combined two very different sytems made by different manufacturers, but to a common set of rules. The prominence was in the same area as yesteday's prom image. Captured this time at 2400mm efl.

○.....*Subject: solar images from 12 feb 2009*
Received: Fri 13 Feb 2009 06:04:05 JST

Hi guys, I managed a couple of images today. There was cloud continually wafting over the screen image,

TEN YEARS AGO (162)

----CMO #212 (25 February 1999) pp2407~2426 ----

CMO Mars Report 1998/99 #05では、二月前半までの一ヶ月間の観測が纏められている。岩崎徹(Iw)氏も観測を開始して報告者は十四名となった。この期間に火星は「おとめ座」にあって順行を続け、赤緯を落としつつあった。南中は午前4時過ぎになったが高度は低い。視直径 δ は、7.0"から9.0"に大きくなり、季節は、 $\lambda=086^\circ\text{Ls}$ から15Feb1999には $\lambda=098^\circ\text{Ls}$ まで進んだ。この期間にヘッラスが明るさを増して注目された。次いで、**Coming 1998/99Mars(7)**として、**"Begin with Hellas" Mn&Nj**「先ずはヘッラスから」が掲載された。ヘッラスは南半球の冬至の 090°Ls 頃から白く明るく輝くようになるのが知られている。1998/99観測期はヘッラス観測の好期であり、観測報告にあるように既に明るく捉えられていた。ヘッラスに関しては、これまでに『火星通信』に取り上げてあり、読み返して観測に臨むようにとの注意である。ヘッラスは視直径の小さな時でも捉えやすく、季節変化を観測目標とする対象として取り扱いやすい。先ずはヘッラスを連続観測することにより、他の現象にも、どのようなところに留意して追跡すればよいか自ずから判ってくるだろうという、観測姿勢に関する指針である。同じ季節でも、朝方・昼間・夕方と区別して観察して、状態の変化を記録することが大切であるとしている。

ISSN 0917-7388
COMMUNICATIONS IN 東亞天文學會「火星通信」since 1986

MARS No. 212

25 February 1999

OBSERVATIONS Published by the OAA Mars Section

CMO Mars Report # 05 (1998/99)	OAA Mars Section
<p>○.....0Feb(096°Ls)にLs遷移の我らが希望の星・岩崎徹(Iw)氏が観測を開始した(Not「連れ馳せながらシーズン開始!」)。これで、皆さん揃って、遅いお正月を迎えたようものである(丁度昔年の春節だが)。今回は16Aug(084°Ls)から15Feb(098°Ls)の一ヶ月間を扱うが、フロリダのパーカー(DPK)さんと共に日本では全編に都度録に事なれた。離れていても高緯帯では悪天候であろう。</p> <p>Tobru IWASAKI (Iw), who has been our member since 1984 (and so one round of 15 years passed), joined us again this time also on 6 February 1999 (096°Ls) when the apparent diameter δ was 8.4 arcseconds. He previously obtained a total of 190 drawings of Mars in 1996/97.</p> <p>We this time deal with the CMO observations obtained during the period from 16 January 1999 (084°Ls) to 15 February 1999 (098°Ls) during which the Martian northern hemisphere experienced the summer solstice.</p> <p>○.....今期の『火星通信』同人から報告は次のようである: We had rather severe weather this period (except Don PARKER (DPK) in Florida), but the observations were made as follows:</p>	<p>AKUTSU, Tomio 阿久津 富夫 (Ak) 栃木・鳥山 Karasuyama, Tochigi, Japan 9 CCD Images (18, 22 January; 4, 6, 8, 9, 15 February 1999) f/60 x 32cm speculum, Televis 2</p> <p>BIVER, Nicolas ニコラ・ビヴェール (NB) ハワイ Hawaii, USA 8 Colour Drawings (17, 18, 19 December 1998; 14, 30 January; 15 February 1999) 510 x 26cm speculum</p> <p>GRAY, David デイヴィッド・グレイ (DG) グラム Kirk Merrington, Durham, UK 5 Drawings (16, 21, 22 January; 7, 8 February 1999) 350, 415, 660 x 42cm Dall-Kirkham</p> <p>HIGA, Yasunobu 比嘉 保信 (Hg) 那覇 Naha, Okinawa, Japan 12 Video Images (6, 9, 10 February 1999) 25cm speculum, Sony DCR-TRV900</p> <p>HIKI, Toshiaki 日枝 敏明 (Ho) 長崎 Minowa, Nagano, Japan 13 Drawings (16, 26, 29, 30, 31 January; 1, 4, 11, 12, 14, 15 February 1999) 340, 360, 400x16cm speculum</p> <p>ISHADOH, Hiroshi 伊舎堂 弘 (Id) 那覇 Naha, Okinawa, Japan 15 Drawings (21, 24, 25, 26, 29 January; 6, 10, 14, 15 February 1999) 400, 530x31cm speculum</p>

<http://www.hida.kyoto-u.ac.jp/~cmo/cmo/212/cmo212.html>

<http://www.hida.kyoto-u.ac.jp/~cmo/cmo/coming/9907/07.html> (English)

<http://www.hida.kyoto-u.ac.jp/~cmo/cmo/coming/9907/07j.html> (Japanese)

LtEでは、国内からは、阿久津富夫(栃木)、森田行雄(広島)、日岐敏明(長野)、藪保男(滋賀)、比嘉保信(沖縄)、岩崎徹(福岡)、伊舎堂弘(沖縄)の各氏と、外国からは、**Sam WHITBY(USA)**、**Don PARKER (USA)**、**Johan WARELL (Sweden)**、**頼武揚 (Taiwan)**、**David GRAY (UK)**、**Gianni QUARRA (Italy)**の各氏からのものが紹介されている。

「一点点・一天天」は、「212-100=112」と題して、南政次氏が、ご母堂が倒れられてから三國へ移り、編集した『火星通信』が今号で100号目に達したことを感慨深く述べられている。

TYA(42)は、**CMO#069(25Feb1989)**からで、1989年2月には火星は夕方の「おひつじ座」から「おうし座」へ動き、遅くまで西空に沈み残るようになっていた。視直径は15Feb1989には7秒角を下回り、観測最終段階となっていて、『火星通信』の発行も **monthly** となった。観測レポートは28回目を数えたが、報告者は四名だけとなった。季節は、二月下旬には $\lambda=000^\circ\text{Ls}$ となり、南半球の秋分を過ぎたところだった。

<http://www.hida.kyoto-u.ac.jp/~cmo/cmo/212/tya042.html>

村上 昌己(Mk)

sometimes thin enough to capture. This cloud seemed granular, I guess it was carrying snow, as we did have a centimeter later on. 60mm solarmax on 80mm f7.5 TMB



with 2.5x powermate. Lu 075. Best wishes

○.....**Subject: Solar images 13 Feb 2009**
Received: Mon 16 Feb 2009 05:31:05 JST

Hi guys here are a few images from the 13th. Seeing was good. All image from a maxscope 60mm Double stack with 2 inch straight BF. Using either a 2.5 or 4x powermate and Lu075 M ccd. Best wishes

○.....**Subject: Solar images Valentines day 2009**
Received: Tue 17 Feb 2009 07:58:27 JST

High Guys, Well it was dbVt's day on the 14th, and what a find day it was, good seeing and a couple of clear hours at the right time.



Here we see AR11012 doing an impression of the title feature from the Elephant Nebula Images S'maxscope 60 DS straight blocking filter. 2.5 and 4x powermates.

Best wishes

Dave TYLER (テライト・タイラー Bkh 英)

●.....**Subject: 蔡章獻先生が**
Received: Sun 25 Jan 2009 00:49:10 JST

南政次先生、拝啓、寒い日が続きますがお変わりございませんか。ずっと心にかけていただいているながら、何の便りも差し上げない非礼をお許し下さい。料理店というもともと他より労働時間も労働量も必要とされる職業の上に、両親がこのところ急速に年衰えて来て、店の維持に毎日追い回

★**訃報**★ 福井実信さんが二月5日に永眠されました。謹んでご冥福をお祈りいたします。

編集部

★We have regrettably heard that Sanenobu FUKUI (b. 1916) passed away on 5 February 2009. S. FUKUI is the observer who detected a Sun-glinton phenomenon on 10 November 1958 near Solis Lacus. May his soul rest in peace!

(Eds)

<http://www.hida.kyoto-u.ac.jp/~cmo/cmomn0/260FUKUI.htm>

されて他事を省みる余裕が全く有りませんでした。ほんとうに申し訳ございません。

先ほど、台湾の蔡章獻先生のご令嬢の黎鶯さんよりお電話をいただきました。蔡先生のご病状が急に悪化し重篤になられたそうです。二日ほど前にお電話いただいた時には、回復に向かいつつあると伺っていたのですが……。ここ一年近く蔡先生と連絡が取れず、心配していたのですが、ドイツから急遽帰国した黎鶯さんから連絡をいただき、ようやく状況が判りました。……

南先生にはとにかく先ず連絡させていただきましたが、蔡先生とご親交のある長谷川先生や五藤光学の社長など、他の皆様は今現在蔡先生の御病状を連絡してよいものか迷っております。南先生のご助言をいただけましたら幸いです。

すみません。今、心が乱れて文・内容ともまとまりませんことをお許し下さい。敬具

○.....**Subject: 蔡先生**
Received: Sat 31 Jan 2009 00:50:34 JST

南先生、お忙しい中、ご返事ならびに頼先生へのご連絡ありがとうございます。折り悪く、台湾からの来客中で、連絡が遅くなり申し訳ございません。昨夜遅く蔡先生の娘さんより再度お電話をいただきました。たいへん悲しいことに蔡先生のご病状はさらに悪化し、腎不全と下血も酷く回復は絶望的なようです。とにかく一度お見舞いをお思っておりましたが、ちょうど旧正月で台北行きの便の予約が取れず諦めかけておりましたが、明日朝の予約がようやく取れましたので台北へ行ってきます。……

○.....**Subject: Re: 黎鶯さんのアドレス**
Received: Thu 05 Feb 2009 23:27:33 JST

南政次先生、その後連絡を差し上げず、たいへん申し訳ございません。台湾へ行く前からの風邪が悪化したのと多忙の為、満足にパソコンを開く時間が有りませんでした。今し方パソコンを開け南先生と頼先生よりいただいたメールで蔡章獻先生のご逝去を知りました。

1月31日・2月1日の二日に渡り馬偕醫院で黎鶯さんに伴われ蔡章獻先生に面会させていただきました。人工呼吸器を着けておられるため会話は叶いませんでしたが、私が見舞いさせていただいたことはお分かりになっていただけたご様子でした。腎不全のため体全体が腫れて苦しうでしたが、こんなにも早く天国へ旅立って行かれるとは！ 1988年、南先生も滞在されていた台北市立

天文台を初めて訪問して以来、蔡先生には今まで一方ならずお世話をいただけてきました。今はその思い出だけが頭の中を駆け巡っています。・・・

尾代 孝哉 (Takaya OSHIRO 串本 Wakayama)

●.....**Subject: Venus 2009 January 06-21**
Received: Sun 25 Jan 2009 07:55:21 JST

Here are some sets of images of Venus from this month. It has to be said that the R filtered images never show anything - maybe I should discontinue taking them. The B images sometimes show a faint impression of the UV markings, as on Jan 09. One can see the rapid increase in size of the planet over this month.

<http://www.davidarditti.co.uk/ven2009-01-06-DLA.jpg>

<http://www.davidarditti.co.uk/ven2009-01-09-DLA.jpg>

<http://www.davidarditti.co.uk/ven2009-01-18-DLA.jpg>

<http://www.davidarditti.co.uk/ven2009-01-23-DLA.jpg>

○.....**Subject: Saturn 2009 January 24**
Received: Mon 26 Jan 2009 02:11:41 JST

Poorish seeing, possible faint spot in SEBZ (arrowed), longitude estimated at III=215 fro G image. The colours of the belts are interesting. Are the two hemispheres becoming more equal in their colouration as the planet approaches equinox?

The rings are noticeably more open than they were in December, with the Cassini div. more resolvable now than it was then. Titan appears to be proceeding. An interesting question: Enceladus should be in transit very close to the CM, according to TheSky, but I have to say I can't see it. Is it in the ring shadow, which TheSky doesn't predict?

<http://www.davidarditti.co.uk/sat2009-01-24-DLA.jpg>

○.....**Subject: Comets Christensen (2006 W3) and Broughton (2006 OF2)**
Received: Mon 02 Feb 2009 10:59:27 JST

Here are images through the C-14 of a couple of the mag. 10-11 comets that are well-placed in the evening sky from England currently. In taking the Christensen image, many of the exposures taken were lost because of wind vibration - hence the gaps in the trails. Processing using Nebulosity 2 and Photoshop CS4.

http://www.davidarditti.co.uk/2006w3_20090118_ard.jpg

http://www.davidarditti.co.uk/2006of2_20090121_ard.jpg

○.....**Subject: Re: Finding a new entry-level webcam**
Received: Wed 18 Feb 2009 22:13:26 JST

Robin's is a good question. The DMK cameras, although good value, are in a different price class to the old Toucam at around £300, and the Lumenera in a price class above that, of course, so irrelevant to this. But what about the Celestron NexImage at less than £100? That was essentially the same as the CCD Toucam. Still on sale: it would be an idea to ask David Hinds if they think that will continue to be available. The currently-sold version of the Meade LPI has a CMOS chip, so likely not too good.

David ARDITTI (デヴァイット・アーデイチ Edgware ME 英)

●.....**Subject: Re: FW: 蔡章獻先生が**
Received: Sun 25 Jan 2009 13:35:29 JST

南さん、こんにちは。午前十時過ぎにパソコン

を開いて、南さんのメールを見つけました。

わたしが蔡章獻君に会ったのは2007年の6月の暑い日で、わたしの外出中に午後三時ごろ蔡君が突然来訪、私は蔡君が来るとは予期しなかったのが、午後五時に帰宅しました。蔡君を二時間も待たせましたが、その間は家人が蔡君と談話をしました。蔡君来訪の目的は、戦時中の勤務先の上役が最近出した本のなかに「昔会った天文学の好きな青年」という一章があって、蔡君のことが書かれてあったので、それをわたしに見せるためでした。

談話がすむと蔡君は帰りを急ぎ、タクシーで帰りました。その日までは、蔡君とわたしとはファックスでしょっちゅう連絡が取れていました。わたしからファックスを送ると、打てば響くようにファックスで返事が来たものです。ところがその日以後は、ファックスが来なくなり、家内に電話をかけさせても、つながらないのです。そこでわたしは彼が澎湖島の長女(黎鶯さんの姉)のところへ長期滞在に行ったのだと推定しました。

そのうちに尾代さんからメールで蔡君の様子を問い合わせを受けました。2007年の秋ごろだったと思います。「わたしも連絡が取れない。何かわかったらすぐメールでお知らせする」と返事を差し上げ、それっきりになりました。

わたしが現在持っている最新の消息は、去年12月20日の台北市天文協会の開会で陶蕃麟さん、陳正鵬さんから聞いたもので、「蔡君は寝たきりになっている、記憶喪失症があって、お孫さんを見ても誰だかわからない、陳正鵬さんがよく見舞いに行っている」とのことです。・・・

これ以外には何も知りませんので、これで発信いたします。敬具

○.....**Subject: Re: 蔡先生**
Received: Sat 31 Jan 2009 03:04:57 JST

尾代 孝哉 様、昨日れい子さん(黎鶯さん)からわたしへFAXが来まして、一度父の見舞いに来てもらえないかとのことでした。わたしはもともと幼時から平衡感覚が人よりわるく(内耳神経故障のため)、年とともにその程度がひどくなった上に、聴力がないのだから交通が危険で、最近では家内や娘たちの主張で、家族の付き添いがなければ一人での外出は不可と定めています。

今日わたしの三番目の娘(名は葆華、日本語読みで「ほうか」)を行かせました。この娘は榮民總醫院に麻酔技術員として28年間勤め、三、四年前退職しましたが、公務員として醫院に就職するとき、蔡章獻さんに保証人になってもらったという関係があります。

わたしの娘の話では、病人は呼吸器を装着し、意識はないが、触ると反応をおこす。娘が「蔡台長、私はあなたに保証人になっていただいた頼葆華ですよ」と言ったら、表情に反応があったとのこと。病室は台北市中山北路二段馬偕醫院内科加護病房です。敬具

○.....**Subject: 蔡章獻さん永眠**
Received: Thu 05 Feb 2009 11:13:29 JST

南さん、尾代さん、蔡章獻さんが昨日(2月4日)正午すぎ12時22分に馬偕醫院で永眠しました。直

接の死因は心臓が力尽きたためです。喪宅は蔡さんの自宅(西園路)です。新聞に発表された遺族の方の談話では、晩年は養老院で過ごすことが多かったそうです。敬具

○.....**Subject: 蔡章獻さんの訃告**
Received: Mon 16 Feb 2009 20:59:27 JST

尾代 孝哉 様、蔡章獻さんの訃告を今日夕方陳正鵬さんがわざわざ私のマンションまで届けてくれました。尾代さんや南さんのところへは郵送されるのではないかと思います、とりあえず要点をお知らせいたします。

日本の告別式にあたる家奠(親族による儀式)と公奠(友人による焼香)とは、二月二十五日の午後二時に先ず家奠を行い、それが終わると引き続いて午後二時四十分から公奠が始まります。それを行う場所は台北市立第二殯儀館(台北市辛亥路三段330號)です。家奠、公奠が終わるとすぐに殯儀館内の火葬場で火葬を行います。私の知るところでは、来賓(故人の友人)は公奠が終わったらすぐ退場します。台北市立第二殯儀館は、台北市の南郊にあって、台北市のどこからでもタクシーで簡単に行けます。.....

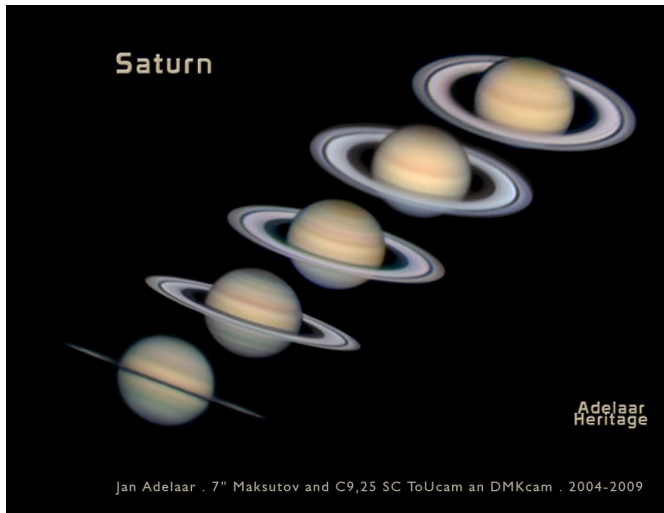
今日届けられた訃告の表紙には李登輝元総統による「蔡前臺長章獻先生訃告 李登輝」という題書があります。また「奠儀、供え物、花輪などは辞退させていただきます」とあります。「奠儀」とは日本語では香典です。 敬具

頼 武揚 (W.-Y. LAI 臺北 Taiwan)

(註) 蔡章獻元臺長には私も特に1986年には十ヶ月1988年には半年と臺北での火星観測の際たいへんお世話になりました。いつか当時の臺長の思い出を語りたいと思っています。最後にお会いしたのは大津で、私の母親が倒れる直前だった様に憶えています。その後、カードの交換だけでご無沙汰していましたが、突然のご病氣の様子と訃報に接しました。寂しい限りです。衷心よりご冥福をお祈り致します。

尚、頼さんのemailの中に出てくる陳正鵬さんは、蔡先生が1985年に東亞天文學會賞を明石で受賞された折ご一緒に来日されていたかたです。(南 政次)

●.....**Subject: a little anniversary for me**
Received: Mon 26 Jan 2009 06:03:27 JST



Hi Fellows, Bringing back memories, it is a little anniversary for me. I am imaging 5 years on Saturn right now, starting with a 7" STF maksutov and a ToUcam, a

very nice telescope but the hunger towards the C9,25 did flip the coin. Many many hours of observing, imaging, processing and again processing brought me at the point on which I am now and thanks to you all of keeping me inspired...so I thought looking back as my personal heritage might be nice, hope you enjoyed my struggle.

○.....**Subject: saturn 31th of january**
Received: Tue 03 Feb 2009 06:40:33 JST

Hi all, the last night of januar began very chaotic.....it was definetly not a good night to collimate a telescope, a chaotic starpattern, but after an hour seeing improved considerable and that with an easterly wind, not known for good seeings. There are some of those surprises wich tart the logic. The rings are really opening now in comparison with my last image of the 19th. It was so nice to see Saturn with 500 x magn. and sharp in the eyepiece.

best to you

Jan ADELAAR (ヤン・アデラール Arnhem 荷蘭)

●.....**Subject: Re: Your Drawing**
Received: Mon 26 Jan 2009 14:08:31 JST

Dear Masatsugu, Thank you for reminding me of the good old days when I saw some interesting details on Mars.

I hope you are recovering well from the heart problems that have bothered you. I think of you often. My Parkinson's symptoms are being managed fairly well by medication, which is to say that, in spite of tremors and clumsiness, I am still, very thankfully, able to work.

Sincerely,

Sam WHITBY (サミュエル・ホイットビー Hopewell VA美)

●.....**Subject: Preparing IWC MO conference**
Received: Tue 27 Jan 2009 01:25:08 JST

Dear all, members of the IWC MO Science organizing committee, LOC,..., As I said to Masatsugu Minami last week, I suggest that we share the responsibilities to organize the various sessions of the upcoming meeting "Internationnal Workshop on one Century of Mars Observations"

From the logistics point of view, I am planning to have full day sessions on the Friday (18 sept.) in Paris and Saturday (19 sept.) in Meudon. Plus welcoming session/dinner buffet/visit and observation (with Paris 38cm Arago refractor) weather permitting on thursday 17 sept. afternoon in Paris (not possible next 3 days there), and eventually another session on Sunday morning followed by either visit of Camille Flammarion observatory (depending on ongoing repair work on the building) in Juvisy and/or free (open house Sat. & Sunday) visit of Paris observatory or other Paris monuments (Open house of all historical/official building of Paris that week-end).

The task of the "sessions coordinators" would be to suggest more detailed topics to be adressed, look for speakers and organize the schedule of the session, given solicited and contributed talks. I think we should also include time for open discussions. Regards,

(I have slightly updated the web page with a picture for

the meeting:

<http://wwwusr2.obspm.fr/~biver/IWCMO/>)

○.....**Subject: Re: A German participant to IWCMO**
Received: Wed 04 Feb 2009 03:09:11 JST

Thank you Masatsugu, This is good news and I have update the web-page. EPSC usually falls at the same period, and I have been too busy to attend it although a good effort is done at this very conference also to favor amateur astronomer presentations.

We are having very busy time nowadays, but I hope to send around soon a first announcement for the meeting and call for contribution: You can already prepare and abstract for your talks (powerpoint will be the preferred tool for presentations, of course) since we plan on making a special issue of "Observations et Travaux" including all abstracts and some of our annual reports on Mars, planets,... observations. Regards,

○.....**Subject: IWCMO: 1st Announcemnet.**
Received: Thu 12 Feb 2009 00:02:30 JST

Dear all, fans of the red planet, I invite you to read the first announcement of the workshop we intend to organize next September in Paris/Meudon Observatory. Do not hesitate to send me an e-mail now saying your intent to participate in this meeting to be added on the list on the web site, in order to help us "calibrate" the organization according to the potential number of participants, and to put you on the email list for further information. Do not hesitate also to forward the information to potential participants.

First announcement:

http://wwwusr2.obspm.fr/~biver/IWCMO/iwcmo_firstann.txt

http://perso.obspm.fr/nicolas.biver/IWCMO/iwcmo_firstann.txt

[Pour les francophones, 1^{ere} annonce du workshop CMO sur le lien ci-dessus, la reunion devant se tenir essentiellement en anglais, ainsi que toutes les correspondances à suivre] Clear Skies!

Nicolas BIVER (ニコラ・ビヴァール Meudon 法)

●.....**Subject: Re: 中野圭一様/火星課 村上昌己**
Received: Tue 27 January 2009 3:42 JST

火星課・村上様：ご連絡いただき、ありがとうございます。いつも、火星課、およびあなた様のご活躍を拝見させていただいております。下記、ウェブ・サイトの件は、了解いたしました。

> http://www.hida.kyoto-u.ac.jp/~cmo/cmo/oa_mars.html

『火星通信』をお送りいただけるとのことですが、よろしく願い申し上げます。ただし、私にお送りいただいても、今は、猫に小判・・・ですが。以前には、火星のスケッチや写真を撮りまくったこと、地形を調べたことがあります。

なお、お暇な時がありましたら、火星探査機で作成された火星図を年代別に比較してみることをお勧めします。火星は、小惑星帯に近いですから、マリナー以後の火星図を比較すると、小惑星衝突でできた新しいクレータが見つかるかも知れません。火星接近の小さい小惑星は、地球上からは、発見できませんので、その可能性はあるのではないかといつも思っています。

中野 圭一 (Syuichi NAKANO OAA 理事長 Hyogo)

●.....**Subject: Re: Participants and a question**
Received: Tue 27 Jan 2009 23:17:33 JST

Dear Masatsugu, I was very pleased to receive Nicholas Biver's message and to see what is shaping up for next September. I will communicate to him the names and e-mail addresses of all those participants so that they can be included in the process. There will also be a group coming to the meeting--at least part of it--under the auspices of the Astronomical Society of the Pacific.

Meanwhile, I shall communicate to Sandro Manara the your request for information. She has been excellent to work with and I am sure will do what she can to resolve your long-standing perplexity. It is an important question, and I am interested myself in seeing it answered.

Sandro, John Westfall, and I are nearly finished with our reexamination of Schiaparelli's Mercury drawings from 1882-83, and are hoping to publish something in the near future. We have taken each of his drawings--and there are 150 in all--orthogonized them with a spherical projection and computed the central meridians. It is obvious by Schiaparelli's lettering that--as I proposed in *Planets & Perception*--he identified with the same letters different markings, and so managed to convince himself that he was seeing the same hemisphere of the planet when actually various sides were presented. His illusion was helped by his conjecture that Mercury was often veiled by clouds. Once we have done the preliminaries, we are going to attempt to construct a new Schiaparelli globe based on the correct (58.65-day) rotation period. We are not yet sure whether we will be able to do so successfully. I shall communicate this result to you hopefully in the near future for the project is now nearly mature.

I am eager at the meeting in Paris to consider some of the artistic problems of rendering Mars as they were solved by various practitioners such as Schiaparelli, Green, Lowell, Barnard, and Antoniadi. I am going to allude to the practice of the landscape artists that influenced Green and the Impressionists who may have influenced (though perhaps somewhat unconsciously) Antoniadi. If nothing else, it will be enjoyable to consider the art of Mars in Meudon, which was a refuge of artists in the time of Antoniadi--both Rodin and Renoir had their studios there. With best wishes.

○.....**Subject: FW: Question from a colleague**
Received: Sat 31 Jan 2009 06:13:56 JST

Dear Masatsugu, The following--disappointing--communication from Alessandro Manara. Perhaps we will have to visit the Brera archives together sometime. Some of Schiaparelli's Mars observations were published on the Brera website--have you seen whether there is anything useful there?

I think yours is a very interesting question and it deserves to be settled. All the best,

>Dear Bill, I am really sorry but I cannot clarify the issue for Dr Minami.
>I have also asked Prof. Tucci about it, but he also has no answer. The
>only way to reach a final answer would be to have someone (an expert)
>to do a detailed research in our archival material, but I have no one in
>mind at this time that could do the job.
>Best regards. Sandro

○.....**Subject: Re: Preparing IWCMO conference**
Received: Sun 1 Feb 2009 01:23:42 JST

Dear Nicolas, Many thanks for the itinerary. The meeting is going to be grand.

A French writer, Jean Cave, who used to be editor in chief of Paris Match and is writing a novel about Percival Lowell, would like to attend the meeting. Also I am leading a group for the Astronomical Society of the Pacific. I am wondering what is required for potential participants who would like to register.

To complement the meeting being held at Meudon on the anniversary of Antoniadi's great observations--and also the topics such as imaging techniques and ground studies of Mars--I am hoping to present a history of the challenges, techniques, accomplishments and failures of artists in the sketch-and-pad era, with a special emphasis on Antoniadi. I am hoping to put the work of Martian artists in the context of the terrestrial analogues--thus surveying and cartography for most of the canalists beginning with Schiaparelli, landscape art for Green, and --perhaps--Impressionism for Antoniadi.

Let me know what I should inform people interested in registering the meeting, and looking forward to meeting in September. Best,

○.....**Subject: Suitable quote for conference**
Received: Sun 1 Feb 2009 02:32:22 JST

Dear Masatsugu, Thinking about Antoniadi's drawings of Mars--made 100 years ago this autumn--I couldn't help thinking of a quote from William Faulkner's *Lion in the Garden*: "The aim of every artist is to arrest motion, which is life by artificial means and hold it fixed so that 100 years later when a stranger looks at it, it moves again since it is life."

Well, to those of us who have looked at Mars with large instruments in good seeing, Antoniadi accomplished that goal. His Mars moves again and returns to life in our telescopes and CCD images. Best,

○.....**Subject: Re: R McKim**
Received: Sun 15 Feb 2009 23:14:46 JST

Dear Masatsugu, I will also be there (at Paris/Meudon) at about this same time (as Richard's).

Bill SHEEHAN (ウイリアム・シーハン MN 美)

●.....**Subject: Saturn in good seeing 27-Jan-2009**
Received: Wed 28 Jan 2009 00:36:00 JST

Hi all, My first decent Saturn of the season, proving that seeing is everything (well nearly anyway!). Cassini is nice and clear as is the equatorial storm as previously noted by others at around System I=100.

<http://www.astro-sharp.com/images/saturn2009/sat-2009-01-27-02-42-IDS.jpg>

Details on the image. Best Regards

○.....**Subject: Venus in very good seeing 26-Jan-2009**
Received: Wed 28 Jan 2009 17:04:31 JST

Hi all, This is my first serious attempt at Venus imaging. The seeing was very good. Details on the image:

<http://www.astro-sharp.com/images/venus2009/venus-2009-01-26-IDS.jpg>

Mike Salway kindly combined my results to produce this colour result using IR for Red, W47+IR for Green and UV for Blue:

http://www.astro-sharp.com/images/venus2009/venus_2009-01-26-colour.jpg

○.....**Subject: Saturn 04-Feb-2009 more good seeing**
Received: Wed 04 Feb 2009 19:46:38 JST

Hi all, The seeing was good again, I think the Jet Stream is avoiding us in the South of England. Details on the image:

<http://www.astro-sharp.com/images/saturn2009/sat-2009-02-04-03-05-IDS.jpg>

○.....**Subject: Venus 03-Feb-2009 good seeing**
Received: Thu 05 Feb 2009 00:43:53 JST

Hi all, Venus in UV from last night. Details on the image.

<http://www.astro-sharp.com/images/venus2009/venus-2009-02-03-ids.jpg>

Best Regards

Ian SHARP (イアン・シャープ WS 英)

●.....**Subject: Re: 五島高資**
Received: Wed 28 Jan 2009 21:48:34 JST

拝復、「造型」の詩法という俳句表現は興味深く、目指したい方向の一つです。金子兜太の「人体冷えて・・・」は大変印象深い一句です。

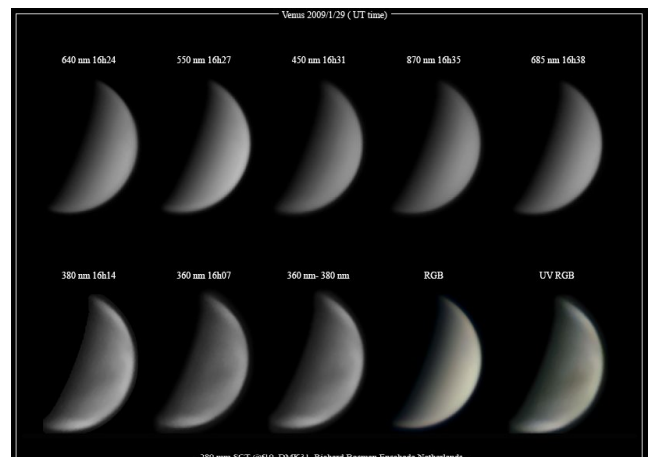
本日28日『火星通信』#354届きました。ありがとうございます。

常間地 ひとみ (常盤 優)

(Hitomi TSUNEMACHI 横濱 Yokohama)

●.....**Subject: Venus 2008/1/29 Richard Bosman**
Received: Sat 31 Jan 2009 19:09:29 JST

Good morning, Venus at different wavelengths. Recording is made in the DMK 31 @ f10. R, G, B, Ir 807, Ir 685, UV 360 nm and UV 380 nm Astronomik, Baader



and Schuler filters. Best regards

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

●.....**Subject: Re: Invitation to IWCMO**
Received: Mon 02 Feb 2009 23:09:45 JST

Dear Masatsugu,

> First of all I shall inform you that a small volcanic eruption
 > occurred at Mt Asama this morning. Please find attached some photos
 > from newspapers today including another which is occurring at
 > Sakurajima.

Is it near your Observing Place? Ashfall? Volcanos are fascinating. They bring live to the Earth. Watersteam, CO₂, Sulfur, Metals and a lot of other chemical stuff.. In Germany we have no active volcano today. The "youngest" volcanos are at the region of Eifel. The last eruption was 11.900 years ago and produced a lot of tuff.. Today one can see only maares. The plume under the Eifel region is still hot and scientists expect new activities in future. Some 10.00 - 100.000 years in future..

> By the way, as you know, there will be held a small Mars Meeting
 > (IWC MO) this September at Meudon in France as a centenary of the
 > serious Mars observations of E M Antoniadi. I hope you will come and
 > join the conference since Paris must not be far from your place.

Meudon near Paris? About 650 km by car from my home in Ludwigsburg, with airplane 6-7 hours away (2 hours with train to airport, checkin 30 minutes, 2 hours fly, checkout 30 minutes, 1,5 hours with Metro (Subway) to hotel and conference center... . . .

I am Co-Convener for the German Amateur-Astronomers in Berlin at EPSC (European Planet Science Congress) September 14 to 18, but maybe I can take a flight from Berlin in the evening of 18th/morning of 19th and stay at Paris until 20th. I have to check it out...

○ **Subject: IWC MO**
Received: Wed 04 Feb 2009 12:19:28 JST

Dear Masatsugu, I found out, that there are some cheep flights from Berlin to Paris. That's good news, because I have to pay it by my own money. I would like to participate, but my arrival in Paris depends on my activities at the EPSC.

I have to prepare and moderate the Amateur-Session (1 day) and present the Amateur-Posters (2 evenings). In the moment it is not clear, on which day the Amateur-Session will be. This will be decided later on, depending on the total number of Speakers and total contributions... Last year our Amateur-Session was on Thursday, the Poster-Session on Monday and Wednesday evening. The EPSC has about 500 Participants, 300 Speakers and more than 400 Contributions. It is a huge Event... Best wishes

○ **Subject: Re: IWC MO**
Received: Thu 05 Feb 2009 09:58:23 JST

Dear Masatsugu, I hope your health will allow you to make the trip to France, best wishes also to your wife. I am very glad to meet you both there.

I love small Workshops. So one has enough time to listen the contributions and talk to all. . . . That's perfect. Im Berlin we have just 15 minutes each Speaker for its talk...

To the history of Mars-Observation in Germany I cannot say a lot - I started with my own observations seriously in 2003, was fascinated about the results with a simple Webcam and since this time I observe all the planets... . . . Analysis by Amateurs in Germany seems to start with the available ccd-technique at the end of the last century and upcoming emails, Internet and private Webspace. We don't have an organised national Amateur Observing Program of Mars. Astronomy does not have a high value in the German society and also not in (school) education...

Maybe the participants would like to hear something about a German program to capture and process video-streams of Mars? I use this freeware-program called "Giotto" to process Webcam-, DMK- and Videomodul files. A lot of German Observers use it, but there is no English Handbook how to use it.

> Today (4 February, 315°Ls) was, as so-called in Japan, the starting day
 > of Spring

In our calendar spring starts on March, 20., when day and night have the same length...

>Generally speaking however the weather here is dismal. How about in
 > your place?

Same as here: This was the worst year I ever had. Unusually wet, unusually windy, unusually strong Storms (5 "tropical cyclones" and more Tornados in 12 month than during the last 10 years with some dead one! and also a lot of damage to buildings). best wishes

Silvia KOWOLLIK

(シルヴィア・コワロリク Ludwigsburg 徳)

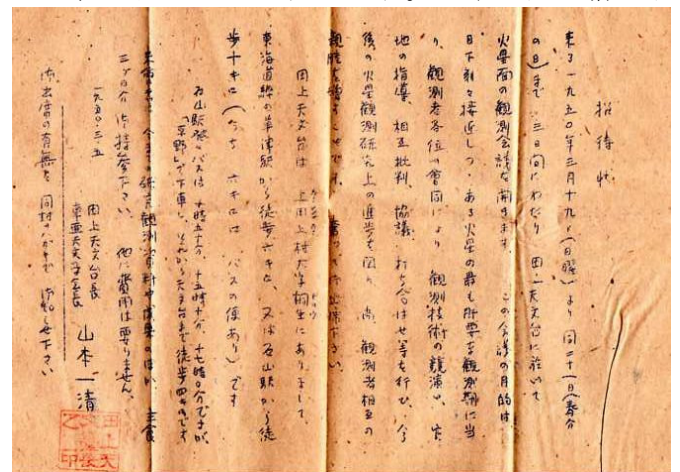
● **Subject: 拝復**
Received: Tue 03 Feb 2009 22:15:32 JST

南 政次様、拝復 大変ご無沙汰いたしました、このたびは、まことにご丁寧なお便りを頂戴いたし、恐縮いたしております。またお体のお具合が不調の由、承りましたが、全く存じませんで、お見舞いも申し上げず、失礼いたしました。

実は小生も40年以前に不整脈を発症し、爾来投薬による治療を今日まで継続しております。現在は左心室肥大、心房細動があり、これに加え、糖尿病があるという状態で、病院通いをしながら病氣と仲良く過ごしております。小生の場合、精神的なストレスと疲労が一番具合が悪いようで、騙しだまし暮らしている状態です。

大切なお体ですから、無理をなさいませぬよう、お願い申し上げます。

ところで、年末に書類整理をしておりましたら、山本先生からの昭和25年の火星会議の招待状が出てまいりました。たぶん第1回のもので存じますので、添付でお送り致します。60年も前の謄写刷



りのものなので御判読ください。当時の世相を反映し、3日分の食料持参のこととあり、1升余りの配給米を持参して、田舎道を1時間余り歩いたことを思い出しました。当時は歩くことは当たり前で、神戸海洋気象台の25センチ屈折を一時期使用していた頃、終電に乗り遅れ、焦土と化した廃墟のなかを月光をたよりに1時間位歩いて帰宅したものです。生の気配の無い道で、なぜ怖くなかったか判りませんが、たぶん市電の切符と命くらいしか持ち合わせなかったからだろうと思います。戦後間もないころの思い出話です。多言多謝

松本達二郎(Tatsujiro MATSUMOTO 尼崎Hyogo)

● **Subject: Feb 03, 2009 Sun in h-alpha**
Received: Wed 04 Feb 2009 04:20:15 JST

The ice finally cleared enough for us to get back into

the observatory. Although I keep the Maxscope inside the house, my other gear including the mount is in the observatory. It felt warm enough with our heat wave to take off my coat and knitted hat, using only a dark cloth over my head as protection from weather.

There were only a few very small filaments in sight today, mainly on the western half of the disk. Several small proms were scattered about, but one prominence ensemble to the east-southeast caught my eye and became the target for the sketch record of the observation.

What first appeared as a loop close to PA 120 degrees, became a beautiful structure with intricate fingers creating an arch. Then looking to south of it in my view (which would be heading north solar orientation wise) was a very large, faint addition to the prominence. Thankfully seeing was good enough today to increase the magnification for a closer look. It topped out close to 57x mag at Wilson's scale of 4. All the best,

○.....**Subject: 2009 Feb 05 1655UT - 1725UT**
Received: Fri 06 Feb 2009 03:33:20 JST

Great job, David. As always, I really enjoy your images. Here is my report and sketches from today to add to the mix. Solar prominences in h-alpha.

DS 60mm Maxscope, LXD75, 21-7mm Zhumell Sketch created scopeside with black Strathmore Artagain paper, white Conte' crayon and pencil, white Prang watercolor pencil. Temp: -6.4C, Humidity 49%, Seeing: Wilson 3, Transparency: poor, Mostly clear with thin layers of cirrus, Winds: 3.5mph SSW, Alt: 23.7, Az: 139.1

There was an area that I suspected was a new AR just NW of center while observing in h-alpha. It appeared to have two small plage with a single tiny sunspot to the west of them. After pulling out the ETX70 with a white light filter, all that I could see were moments of visible granulation and there were neither faculae nor pores to be seen.

To the south, in h-alpha, there was a very bright smaller prom with several tiny fingers of proms around it. Heading about 30 degrees west around the limb I noticed a thick medium sized prom that was very faint and the base of it was nearly impossible to see.

On the NW limb were two slender proms that on closer inspection it was obvious that they were actually one intricate arch of a prominence with delicate tendrils attaching at different points within it. A filament was visible to the north of it, nearly reaching to the limb.

Other than a short thick filament to the north about 15 degrees in from the limb, as well as a few tiny proms not already mentioned, I just soaked in the surface view and called it a day.

○.....**Subject: 2009 02 06 h-alpha observation**
Received: Sat 7 Feb 2009 02:59:47 JST

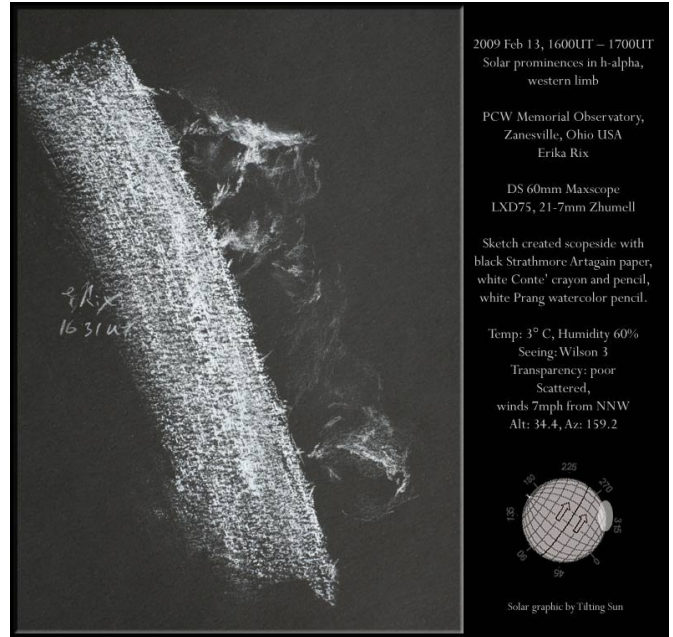
Temp: -1.6, Humidity 47%, Seeing: Wilson 4, Transparency: fair, Clear and calm, Alt: 32.5, Az: 161.3

An almost perfectly round plage was noted about 30-40 degrees in from the eastern limb, slightly south. It is depicted on the solar graphic with a black dot. A faint, slender, crescent shaped filament was clear when I adjusted the Etalon to around 0.7A. The filament was on

the southern quadrant and perhaps 20 degrees long and 15 degrees deep. There were several small prominences scattered about, but one larger bent arch shaped one that was leaning to the bottom of my FOV, which would have been tipped to the North for solar orientation. It was to the NW. After increasing magnification, it was actually about 2.5 times wider than I first thought, noted in the sketch by the fainter portions of it.

○.....**Subject: 2009 Feb 13 solar**
Received: Sat 14 Feb 2009 03:04:44 JST

Temp: 3°C, Humidity 60%, Seeing: Wilson 3, Transparency: poor, Scattered, winds 7mph from NNW, Alt: 34.4, Az: 159.2

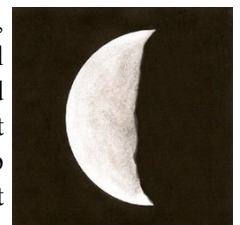


Approximately 30° inward from the eastern limb, a crescent-shaped plage was seen with a dark dot during my h-alpha observation. No AR was noted in white light.

There were a few proms scattered about to the north and south, but the prominences on the western limb really stood out. At first glance it looked like two detached proms, but adjusting the outer etalon and increasing magnification, that section of limb came alive with prominence structure. North is to the 4.5 o'clock position and west is the 2.5 o'clock position in my sketch.

○.....**Subject: Re: Venus 2009-2-21**
Received: Sun 22 Feb 2009 22:34:30 JST

Great job, Bruce. A few weeks ago, I was able to pull out a little detail late afternoon with a blue filter and observing before sunset. The first sketch was done on the 5th of Feb with a lunar filter after the sun went down. The second sketch on the 8th with the blue filter and while the sun was low in the sky. Kind regards,



Erika RIX (エリカ・リックス Zanesville OH 美)

●.....**Subject: Re: 校正刷り**
Received: Fri 06 Feb 2009 12:22:41 JST

南様、その後体調がいかがでしょうか？ 日本では立春を過ぎ、暦では春ですが3月にまでは寒

Ser2-1054

さが続くでしょう。もう少しの辛抱ですね。

・・・今年7月末、フィリピンから中国、黄山での皆既日食をChris一行との観測があります。日本から行くよりも短時間、安価とのこと。9月には日本へ帰国予定(仕事絡み)があり、多分、追加の休みは無理だろうと思いますので、残念ながらIWCMOへの参加は無理と思います。世界的な金融危機は当社にも波及し、アメリカへの輸出は落ちてしまい、今後の回復がいつのなるのか？ 厳しい状態になってきました。セブ工場の撤退はないのですが、全ての見直しは必要となってきました。こんな時は一人駐在は辛くなりました。

印刷の請求は終わりましたら、請求してください。最近の土星、金星画像を添付します。

○.....Subject: Re: Fw: 蔡章献さん永眠
Received: Fri 06 Feb 2009 14:50:26 JST

南様、蔡章献さんがお亡くなりになったんですか？ 昔、南さんに紹介していただき、会社の台湾旅行の際、夜に圓山天文台を訪問しました。天文台の屋上から見た、圓山大飯店の夜景がとても印象深く残っています。日本語だったと思いますが、天文台の内部を説明してくださいました。独特の雰囲気がありました。ご冥福をお祈りいたします。

8日の朝 天気が良く、晴れて火星が見えれば、撮ってみようと思います。セブでは低空に南国特有の雲がたなびき、見える機会は少ないですが、やってみましょう。

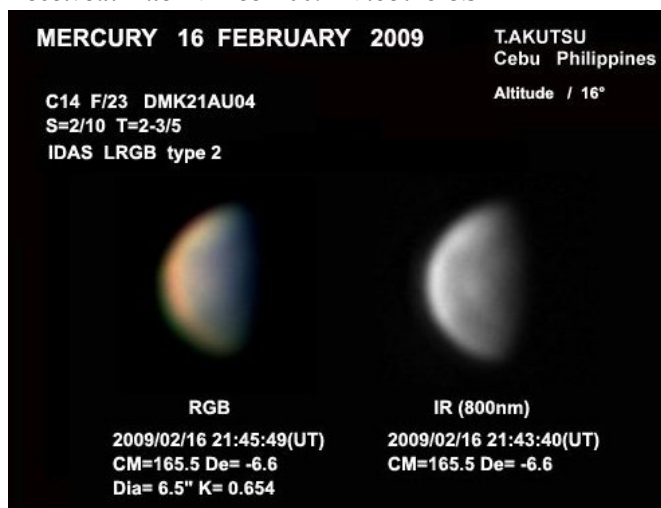
(註) 阿久津さんが臺北においでになって蔡章献さんにお会いしたのは1990年六月だと思います。そのときの訪問記はCMO #090 (10 Aug 1990号)に出ました。Webでは

http://www.hida.kyoto-u.ac.jp/~cmo/cmomn4/Taipei_1990Ak.htmで見られます。当時の阿久津さんと蔡さんのツーショットが掲載されています。(Mn)

○.....Subject: Re: 火星は如何ですか
Received: Sun 08 Feb 2009 10:27:15 JST

南様、お早うございます。今朝、5時に起き、待機していましたが、低空に雲があり、水星は見えていたのですが、火星は無理でした。また挑戦してみます。

○.....Subject: 水星、木星 090216
Received: Tue 17 Feb 2009 17:53:45 JST



こんばんわ、今朝の水星と木星です。共に低空

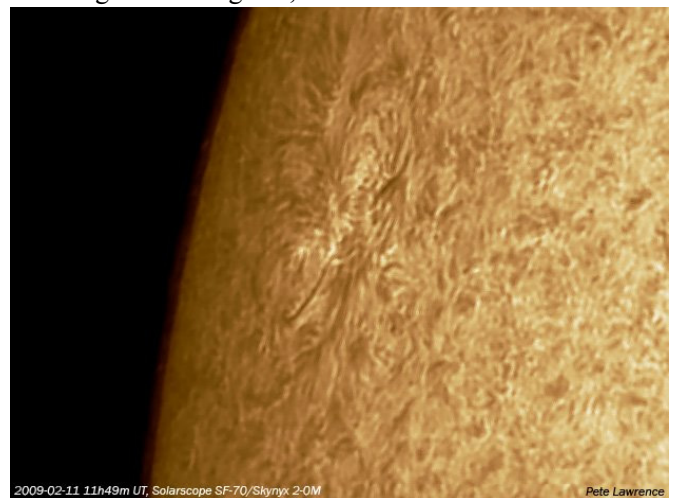
で気流が最悪でした。何とか像になるのはRegistaxのお陰です。水星の模様も分かります。木星は今シーズン、初めての像で何とかGRSが見えています。火星は、雲に隠れてしまいました。

阿久津 富夫(Tomio AKUTSU セブThe Philippines)



●.....Subject: Re: solar 11-feb-2009
Received: Thu 12 Feb 2009 08:00:09 JST

Hi all, Following on from Dave's excellent images and interesting equipment combinations, here are three further images of the new active region rotating into view around the eastern limb from February 11th. All taken through a Vixen refractor using a Solarscope SF-70, 70mm h-alpha filter (single stacked). North is up in all of the images. Best regards,



Pete LAWRENCE (ピート・ローレンス Selsey 英)

●.....Subject: Re: reference
Received: Sun 15 Feb 2009 18:10:25 JST

Dear Masatsugu: I believe the 2001 Report will appear in the June number of the *BAA Journal*, 119 (3) but we are not yet certain, so you can only write 119, in press (2009), I'm afraid!

It is a very long paper -my longest so far- and so I may be asked to divide it into two parts to appear in consecutive issues. The 2003 report is being completed in two parts, but is not yet finished. I am now going through your CMO issues that were published only on the internet. The end is in sight.....

I will be at the Paris conference from the Wednesday evening or the Thursday morning onwards. I do hope we shall meet there. Who else is attending from Japan?

Here we have had lots of snow these past two weeks.

With regards

○.....Subject: Re: Finding a new entry-level webcam
Received: Thu 19 Feb 2009 04:27:44 JST

Dear all, I actually have the Celestron NexImage as my school recently bought a C14 and I wanted something to go with it. But it is not yet set up..... though we the building done. I will compare it with my ToUcam later. I have not heard so much about the Celestron camera. I am

writing the BAA 2003 Mars report and the ToUcam users dominate, but the best work was done in the b&w mode, due to the problem with the blue image, which some ingeniously solved. I will be glad to learn of others' experiences. Best wishes

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

●.....*Subject: Saturn*
Received: Mon 16 Feb 2009 01:53:46 JST

Finally it stops raining around here. Here are two Saturn images from February 13 and 14.

http://astrosurf.com/pcasquinha/sat_090213.jpg

http://astrosurf.com/pcasquinha/sat_090214.jpg

○.....*Subject: Saturn 2009/02/16*
Received: Sun 22 Feb 2009 08:17:48 JST

Saturn sequence from Feb 16. All the data on the image. Regards

http://www.astrosurf.com/pcasquinha/sat_090216.jpg

Paulo CASQUINHA (パウル・カスキニャ Portugal 葡)

●.....*Subject: Saturn images 14/15 february*
Received: Wed 18 Feb 2009 05:22:56 JST

Hi all, Some images taken under very good to excellent seeing, but again unfortunately fair transparency (high clouds).

http://www.astrosurf.com/pellier/S090214_15-CPE

I'd like to bring your attention to the colors of the southern hemisphere... it really looks to turn quite bluer now! This is also visible on many images, although sometimes exaggerated, but this change looks true. Is this a kind of pre-equinox phenomenon? If I'm not mistaken, blue on Saturn means that the higher blue-absorbing layers have vanished (or thinned)... Also note some spots on the high contrast red images (arrowed). Enceladus is transiting on the last R image, with its shadow, but I don't see anything. Best wishes to everyone

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

●.....*Subject: Re: How are you?*
Received: Wed 18 Feb 2009 21:25:40 JST

Dear Masatsugu, Thank you for your concern - and good to hear from you.

We are all well, but many friends have been affected by the fires. Some have lost their property, and some have unfortunately lost much more...

Areas that were damaged are only about 30km from here, so many of us in the local community have direct contact with people who have lost most of their possessions. It has been a sad time for all of us.

The temperatures here were very high in the week leading up to the fires - three consecutive days of 44 degrees and above!. On the day that the fires started we recorded a temperature of 47 degrees!

Fortunately things have somewhat cooled now, and so the weather is much more bearable - but still we have had no rain.. We hope for better times ahead.

My very best wishes

Maurice VALIMBERTI

(モリス・ヴァリモンベール Melbourne 澳)

●.....*Subject: Re: Finding a new entry-level webcam*
Received: Wed 18 Feb 2009 22:27:48 JST

The best option cost wise seems to be a second hand toucam or SPC900. Or as David mentioned the Celestron neximage option. Looking back now, it makes you realise how major a step forward the Toucam really was in what it could do vs cost. These days it seems allot harder to find something so easily available that will deliver results to inspire people on to the better cameras. Many of the cheap cams around now arent really comparable..

Damian PEACH (デミアン・ピーチ Bkh 英)

●.....*Subject: Re: Finding a new entry-level webcam*
Received: Thu 19 Feb 2009 06:19:37 JST

Hello all.... I think that - other than the high end made-for-planetary-imaging cameras - the best results have always come from the Phillips cameras, either the Vesta Pro or the newer TouCam. In fact, the older Vesta cameras seemed to have better spectral response for color imaging than do the TouCam cameras. Having been involved in the development/introduction of at least one of the "astronomy webcams" for related equipment manufacturers, I can fairly say that these aforementioned webcams in many ways are superior as are the simply capture programs that are supplied with them.

P Clay SHERROD (ドクター・クレイ AR 美)

●.....*Subject: Re: Images on you-tube*
Received: Thu 19 Feb 2009 10:19:33 JST

Hello, Apologies as this is not strictly an observation but more the result of yet another cloudy night. Please see my small video (link attached).

<http://www.youtube.com/watch?v=fxrXtnzNAMc>

Thanks for looking. Best regards

○.....*Subject: Venus 2009-2-21*
Received: Sun 22 Feb 2009 22:13:42 JST

Hi, First observation with my 120 mm apo. Venus looking very bright at this phase. Visually some hints of cloud structure using the Blue filter. Hoping for more breaks in the seemingly endless cloud here. Best regards

Bruce KINGSLEY (ブルース・キングスレー Maidenhead 英)



●.....*Subject: Saturn 2009, Feb. 15th*
Received: Fri 20 Feb 2009 10:05:00 JST

Dears, Here is a Saturn under average seeing, with unfortunately defective green and blue layers (might be due to the aperture glass freezing).

<http://astrosurf.com/delcroix/images/planches/se.php?y=2009&m=2&d=15>

No spot visible there, please note that the so called "CH4" image was done with a non narrow filter (FWHM=50nm), showing the north pole totally disappearing (maybe we go down to the methane cloud layer there) ...

The red layer with Rhea and Titan luminosity increased:

http://astrosurf.com/delcroix/images/s20090215-R-sat-fg_0-4px.jpg

And just for fun a composite of 3 images with different luminosity settings, showing from left to right Iapetus, Hyperion, Dione, Tethys, Enceladus, Saturn, Rhea and Titan: Clear skies,

<http://astrosurf.com/delcroix/images/s20090215-sat.jpg>

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

●.....*Subject: Stanislas Maksymowicz new email address*
Received: Sun 22 Feb 2009 20:55:46 JST

Dear Minami san, dear Murakami san, This mail for advising CMO/OAA Mars section of my new email address: stsma_at_orange.fr

I am currently on training on the planet Venus with regards to its tiny contrast details. Think this is a good help for the next incoming Mars opposition with its tiny white clouds on. But observing this since the 80ies. These oppositions in Europe rather high in sky are usually good for the seeings observed, so that a 10" was acquired but difficult to master for the moment in my local conditions. Will have still the 4" by vixen, excellent, the 6" excellent too and now the 10" excellent on the paper for the moment only, have to assess it deeply in the mean time for the actual ability.

Enclose here some drawings of Venus performed with a C5 (good only) and the 10" after a full Venus atmosphere. Hope this will, but will be for my personal participation anyway as I could. Hope to meet you at the IWC MO event at Paris if I can. My best regards to you.

Stanislas MAKSYMOWICZ

(スタニスラス・マクシモヴィッチ Ecqueville 法)

☆☆☆

常盤優俳句撰 (2008年)

Hitomi TSUNEMACHI's Haiku

"ÉTOILES"

目蓋より入る休息歸り花

落葉して靴音高きエトワール

くわりんの實日暮れを待たぬ星ひとつ

坂下りて上れば我が家冬の星

冬隣爪に沈める月と雲

こがらしや何處かで水の漏るる音

かんぬきの開くオリオン星座かな

冬の大三角指組んでねむる

寒すばる神の國には歸らざる

靈長類の指の渦巻冬銀河

おしやべりな黒猫膝に星まつり

猫ひとつ還して星の手向けかな

黒猫のきゅうだい見ゆ星の園

シー・エム・オー・フクイ

中島 孝 Nj

★前回報告以降、松本 達二郎様(419)よりご寄付を頂戴しました。有難うございました。また編集部村上氏・南氏・西田氏から『天文観測年表』火星稿の稿料を全額寄付して頂きました(420)。

★前号は1月26日に福井にて印刷・丁合し、国内は19時(メ切)までに発送しました。不一

☆ **Kasei-Tsūshin CMO** (http://www.hida.kyoto-u.ac.jp/~cmo/cmo/oa_mars.html)

『火星通信』#355 (25 February 2009) 編集: 淺田 正(As)、南 政次(Mn)、村上 昌己(Mk)

中島 孝(Nj)、西田 昭徳(Ns)

Edited by: Tadashi ASADA, Masatsugu MINAMI, Masami MURAKAMI,

Takashi NAKAJIMA and Akinori NISHITA

発行 Published by/for: 東亜天文学会 OAA 火星課 Mars Section

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