

# 10 研究成果報告（1999年に発表されたもの）

使用された天文台装置の略号は以下のとおりです。

略号	装置
P	65 cm 屈折望遠鏡
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K	花山画像解析システム
F	フレアーモニタ望遠鏡
O	その他

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以下(4)から(13)まで 太陽研究会「21世紀の太陽研究の方向を探る」集録

- (4) D 高津 祐通  
RTFS2 の開発と水平速度場の解析
- (5) D 吉村 圭司  
粒状斑模様を用いた局所相關追跡法における Systematic Error について
- (6) D 桜井 隆(国立天文台)、馬場 直志(北大)、三浦 則明(北見工大)  
太陽の高分解能撮像と画像改良技法
- (7) D 石井 貴子  
活動領域における浮上磁場構造の決定に必要な観測
- (8) K 武田 秋  
日食観測からみたコロナの温度・密度構造と今後の観測
- (9) F 森本 太郎  
 $H\alpha$  フィラメント消失とようこう SXT イベント
- (10) O 真柄 哲也  
CME 理論モデルの現状と今後のアプローチ

- (11) D 上野 悟  
ドームレス太陽望遠鏡・マグネットグラフ計画
- (12) D 川上 新吾(大阪科学館)、當村 一朗(大阪府立高専)  
若い活動領域における磁場・速度場・明るさの関係
- (13) D 當村 一朗(大阪府立高専)、井田 民男(熊野高専)、北井 礼三郎  
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- (14) O Singh, J., Ichimoto, K., Imai, H., Sakurai, T., and Takeda, A.,  
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- (16) O Kudoh, T., and Shibata, K.,  
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- (17) O Chou, W., Tajima, T., Matsumoto, R., and Shibata, K.,  
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- (19) O Shimojo, M., and Shibata, K.,  
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- (20) O Koide, S., Shibata, K., and Kudoh, T.,  
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- (21) O Kundu, M. R., Nindos, A., Raulin, J. -P., Shibasaki, K., White, S. M., Nitta, N.,  
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- (30) O Kuwabara, A., Matsumoto, R., Shibata, K., and Chou, W.  
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- (32) O Kuwabara, T., Matsumoto, R., and Shibata, K.  
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- (39) **O** Takeuchi, T.T., Tomita, A., Nakanishi, K., Ishii, T.T., Iwata, I. and Saito, M.,  
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- (40) **O** Takeuchi, T.T., Hirashita, H., Ohta,K., Ishii, T. T., Yoshikawa, K., and Shibai, H.,  
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- (44) **F** Kitai, R., Kurokawa, H., Funakoshi, Y., Ishiura, K., and Shinkawa, T.,  
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- (45) **K** Takeda, A., Kurokawa, H., Kitai, R., and Ishiura, K.,  
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- (47) **O** Shibata, K.,  
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- (48) **D** Ishii, T.T., Kurokawa, H., and Takeuchi, T.T.,  
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- (54) **O** Shibata, K., and Kudoh, T.,  
 Formation and Collimation of Jets by Magnetic Forces (invited talk),  
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- (55) **O** Matsumoto, R., and Shibata, K.,  
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## 10.2 研究会報告

岡本教授退官記念研究会(三鷹) 2月

- (1) O 柴田一成

Various MHD Outflow Phenomena in the Sun and Their Relation to Astrophysical Jets  
 (invited talk)

天文情報処理研究会「パソコンベースの天文ツール」(和歌山) 3月

- (2) D 高津裕通

Linux上でGNU C++を使った太陽画像解析

Solar B meeting(相模原) 3月

- (3) O 柴田一成

Comments on Solar B Science (invited talk)

ASCA symposium(八王子) 3月

- (4) O Shibata, K. and Yokoyama, T.

Origin of Universal Correlation between Flare Temperature and Emission Measure

日本天文学会春季年会(京都) 3月

- (5) D 高津裕通、北井礼三郎、船越康宏、真柄哲也

活動領域NOAA8323における光球面水平方向速度場

- (6) K 武田秋、黒河宏企、北井礼三郎、石浦清美

輝線コロナループ(200万度と100万度)の特性比較

- (7) O 石井貴子

How Many Flares Occur in an Active Region? : Estimation of Flare Activity Level

- (8) D 真柄哲也、北井礼三郎

Photospheric and Chromospheric Motions around A Dark Filament