

6. 成果発表

気象研究所の職員が平成19年度に発表した論文、口頭発表の一覧を個人別に五十音順で掲載している。

論文等には、原著論文のほか、報告書、著書、翻訳、解説などの著作物について、単独・共著の区別なく掲載した。但し、口頭発表に伴う著作物のうち学会予稿集など簡易なものについては、口頭発表と重複するため除いている。

口頭発表には、学会や会議で行った発表・講演のうち、気象研究所職員が筆頭者となっているものを一覧として掲載した。

6.1. 論文等

各著作物の情報は、整理番号、著者、刊行年、論文タイトル、掲載誌、掲載巻・頁の順に掲載している。整理番号における左側の番号は、該当職員に割り当てた番号であるため、下記リストでは必ずしも連続して現れない。

また、整理番号の後ろに「*」を付した著作物は、査読付き論文であることを示している。

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| 青木輝夫 | 1-1 | 能登美之, 坂本尚章, 青木輝夫, 島村哲也, 2007: 紫外域放射伝達モデルの検証に関する研究(第二報), <i>氷</i> , 日本気象学会北海道支部, 53 , 20-21. |
| | 1-2 | 能登美之, 坂本尚章, 青木輝夫, 島村哲也, 2007: 紫外域放射伝達モデルにおける積雪とエーロゾルの影響の検討, <i>氷</i> , 日本気象学会北海道支部, 53 , 32-33. |
| | 1-3 | *Stamnes, K., W. Li, H. Eide, Te. Aoki, M. Hori and R. Storvold, 2007: ADEOS-II/GLI snow/ice products: part I-Scientific basis, <i>Remote Sensing of Environment</i> , 111 , 258-273, doi:10.1016/j.rse.2007.03.023. |
| | 1-4 | *Aoki, Te., M. Hori, H. Motoyoshi, T. Tanikawa, A. Hachikubo, K. Sugiura, T. J. Yasunari, R. Storvold, H. A. Eide, K. Stamnes, W. Li, J. Nieve, Y. Nakajima and F. Takahashi, 2007: ADEOS-II/GLI snow/ice products: part II- Validation results using GLI and MODIS data, <i>Remote Sensing of Environment</i> , 111 , 274-290, doi:10.1016/j.rse.2007.02.035. |
| | 1-5 | *Hori, M, Te. Aoki, K. Stamnes and W. Li, 2007: ADEOS-II/GLI snow/ice products: part III - Retrieved results, <i>Remote Sensing of Environment</i> , 111 , 291-336, doi:10.1016/j.rse.2007.01.025. |
| | 1-6 | *Aoki, Te., H. Motoyoshi, Y. Kodama, T. J. Yasunari and K. Sugiura, 2007: Variations of the snow physical parameters and their effects on albedo in Sapporo, <i>Annals of Glaciology</i> , 46 , 375-381. |
| | 1-7 | 青木輝夫, 2007: 極地・寒冷域・僻地の気象観測, <i>天気</i> , 54 , 593-596. |
| | 1-8 | 青木輝夫, 2007: 大気エーロゾルの沈着が積雪アルベドに与える影響, <i>日本気象学会2007年秋季大会シンポジウム要旨集「雪氷圏から語る気象と気候」</i> , 1-6. |
| 青梨和正 | 2-1 | * Lobl, E. S., K. Aonashi, B. Griffith, C. Kummerow, G. Liu, M. Murakami and T. Wilheit, 2007: Wakasa Bay - An AMSR precipitation validation campaign -, <i>Bull. Amer. Meteor. Soc.</i> , 88 , 551-558. |
| | 2-2 | Eito, H. and K. Aonashi, 2007: Resolution dependence of hydrometeor structures generated by cloud resolving model, <i>CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling</i> , WMO/TD-No.1397 , 5.7-5.8. |
| | 2-3 | * Aonashi K., T. Koike, K. Muramoto, K. Imaoka, N. Takahashi, G. Liu and Y.-J. Noh, 2007: Physical validation of microwave properties of winter precipitation over the Sea of Japan, <i>Trans. Geosci. Remote Sens.</i> , 45(7) , 2247-2258. |
| | 2-4 | *Kubota, T., S. Shige, H. Hashizume, K. Aonashi, N. Takahashi, S. Seto, M. Hirose, Y. N. Takayabu, K. Nakagawa, K. Iwanami, T. Ushio, M. Kachi and K. Okamoto, 2007: Global Precipitation Map using Satelliteborne Microwave Radiometers by the GSMaP Project : Production and Validation, <i>Trans. Geosci. Remote Sens.</i> , 45(7) , 2259-2275. |

- 2-5 青梨和正, 2008: 衛星搭載マイクロ波放射計データの同化, 気象学におけるデータ同化, *気象研究ノート*, **217**, 250-264.
- 青山道夫
- 4-1 *Aoyama, M., K. Hirose, K. Nemoto, Y. Takatsuki and D. Tsumune, 2008: Water mass labeled with global fallout ^{137}Cs formed by subduction in North Pacific, *GEOPHYSICAL RESEARCH LETTERS*, **35**, L01604, doi:10.2929/2007GL031964.
- 4-2 *Inomata, Y., M. Chiba, Y. Igarashi, M. Aoyama and K. Hirose, 2007: Seasonal and spatial variations of enhanced gamma ray dose rates derived from ^{222}Rn progeny during precipitation in Japan, *Atmospheric Environment*, **41**, 8043-8057.
- 4-3 *Hirose, K., M. Aoyama, M. Fukasawa, C. S. Kim, K. Komura, P. P. Povinec and J. A. Sanchez-Cabeza, 2007: Plutonium and ^{137}Cs in surface water of the South Pacific Ocean, *Science of the Total Environment*, **381**, 243-255.
- 4-4 *Hirose, K., M. Aoyama, C. S. Kim, 2007: Plutonium in Seawater of the Pacific Ocean, *Journal of Radioanalytical and Nuclear Chemistry*, **274**(3), 635-638.
- 4-5 *Hirose, K., Y. Igarashi and M. Aoyama, 2007: Recent trends of plutonium fallout observed in Japan: Comparison with natural lithogenic radionuclides, thorium isotopes., *Journal of Radioanalytical and Nuclear Chemistry*, **273**(1), 115-118.
- 4-6 Aoyama, M., 2007: Nutrients, *WHP P03 REVISIT DATA BOOK*, JAMSTEC, 82-93.
- 4-7 Aoyama, M., 2007: Nutrients, *WHP P10 REVISIT DATA BOOK*, JAMSTEC, 46-57.
- 4-8 Aoyama, M. and K. Hirose, 2007: Radiometric determination of anthropogenic radionuclides in seawater, *Analysis of Environmental Radionuclides*, 137-162.
- 4-9 *Aoyama, M., S. Becker, M. Dai, H. Daimon, L. I. Gordon, H. Kasai, R. Kerouel, N. Kress, D. Masten, A. Murata, N. Nagai, H. Ogawa, H. Ota, H. Saito, K. Saito, T. Shimuzu, H. Takano, A. Tsuda, K. Yokouchi and A. Youenou, 2007: Recent comparability of Oceanographic Nutrients Data: Results of a 2003 Intercomparison Exercise using Reference Materials, *Analytical Science*, **23**, 1151-1154.
- 4-10 Aoyama, M., K. Fujii, K. Hirose, Y. Igarashi, K. Isogai, W. Nitta, H. Sartorius, C. Schlosser, W. Weiss, 2008: Establishment of a cold charcoal trap-gas chromatography-gas counting system for ^{85}Kr measurements in Japan and results from 1995 to 2006, *Technical Reports of the Meteorological Research Institute*, **54**, 107p.
- 4-11 広瀬勝巳, 五十嵐康人, 青山道夫, 2008: 日本におけるプルトニウム降下量: 半世紀の変遷, *Proceedings of the Eighth Workshop on Environmental Radioactivity*, **2007-3**, 82-88.
- 4-12 廣瀬勝己, 青山道夫, C. S. Kim and S. A. Kim, 2007: 南太平洋の海水中のプルトニウムの挙動について, *Journal of Nuclear and Radiochemical Sciences*, **8 Supplement**, 103.
- 五十嵐康人
- 9-1 *Inomata, Y., M. Chiba, Y. Igarashi, M. Aoyama and K. Hirose, 2007: Seasonal and spatial variations of enhanced gamma ray dose rates derived from ^{222}Rn progeny during precipitation in Japan, *Atmospheric Environment*, **41**, 8043-8057.
- 9-2 *Hirose, K., Y. Igarashi and M. Aoyama, 2007: Recent trends of plutonium fallout observed in Japan: Comparison with natural lithogenic radionuclides, thorium isotopes., *Journal of Radioanalytical and Nuclear Chemistry*, **273**(1), 115-118.
- 9-3 *Kaneyasu, N., Y. Igarashi, Y. Sawa, H. Takahashi, H. Takada, H. Kumata and R. Holler, 2007: Chemical and optical properties of 2003 Siberian forest fire smoke observed at the summit of Mt. Fuji, Japan, *Journal of Geophysical Research*, **112**, D13214.
- 9-4 Aoyama, M., K. Fujii, K. Hirose, Y. Igarashi, K. Isogai, W. Nitta, H. Sartorius, C. Schlosser, W. Weiss, 2008: Establishment of a cold charcoal trap-gas chromatography-gas counting system for ^{85}Kr measurements in Japan and

- results from 1995 to 2006, *Technical Reports of the Meteorological Research Institute*, **54**, 107p.
- 9-5 *船倉崇弘, 大河内博, 名古屋俊士, 稲津晃司, 皆巳幸也, 五十嵐康人, 2007: 太陽電池駆動小型自動雨水採取装置の開発と富士山麓の湿性沈着量の観測, *分析化学*, **56**(9), 805-812.
- 9-6 *兼保直樹, 五十嵐康人, 2007: 初夏の富士山頂において観測されたエアロゾルの光吸収特性, *エアロゾル研究*, **22**(4), 318-321.
- 9-7 広瀬勝己, 五十嵐康人, 青山道夫, 2008: 日本におけるプルトニウム降下量: 半世紀の変遷, *Proceedings of the Eighth Workshop on Environmental Radioactivity*, **2007-3**, 82-88.
- 9-8 三浦和彦, 五十嵐康人, 2007: 第5回アジアエアロゾル会議 2007 参加報告, *エアロゾル研究*, **22**(4), 67-71.
- 9-9 足立元明, 五十嵐康人, 他 37 名, 2008: 大気と微粒子の話—エアロゾルと地球環境, *大気と微粒子の話—エアロゾルと地球環境*, 折笠三紀夫, 東野達 監修, 太田幸雄, 大原利真, 奥山喜久夫, 畠山史朗 編集, 京都大学学術出版会.
- 石井雅男 10-1 石井雅男, 2008: 二酸化炭素を吸収する海, その酸性化について, *船と海上気象*, **52**(1), 12-13.
- 10-2 松枝秀和, 石井雅男, 2007: 気象研究所における二酸化炭素の研究観測, *気象研究ノート*, **215**, 34-35.
- 10-3 時枝隆之, 石井雅男, 齊藤秀, 緑川貴, 2007: 大気および海水中の超微量六フッ化硫黄(SF₆)の測定手法の高度化と SF₆ 標準ガスの長期安定性の評価, *気象研究所技術報告*, **51**, 33p.
- 10-4 *Lee, S., T. Hama, M. Ishii, S. Saito and K. Yanagi, 2008: Spatial and temporal changes in the concentration of various phosphorus pools and their possible biogeochemical roles in the oligotrophic subtropical western North Pacific, *Journal of Geophysical Research*, **113**, C03017, doi:10.1029/2007JC004330.
- 10-5 Ishii, M., 2007: National Activity Report of Japan, *IOC/UNESCO Surface Ocean CO₂ Variability and Vulnerability Workshop report*, IOCCP report, **7**, 84-88.
- 石崎 廣 11-1 *Nakano, T., I. Kaneko, T. Soga, H. Tsujino, T. Yasuda, H. Ishizaki and M. Kamachi, 2007: Mid-depth freshening in the North Pacific subtropical gyre observed along the JMA repeat and WOCE hydrographic sections, *Geophysical Research Letters*, **34**, L23608/2007GL031433.
- 石元裕史 13-1 *Iwasaki, S., K. Maruyama, M. Hayashi, S. -Y. Ogino, H. Ishimoto, Y. Tachibana, A. Shimizu, I. Matsui, N. Sugimoto, K. Yamashita, K. Saga, K. Iwamoto, Y. Kamiakito, A. Chabangborn, B. Thana, M. Hashizume, T. Koike and T. Oki, 2007: Characteristics of aerosol and cloud particle size distributions in the tropical tropopause layer measured with optical particle counter and lidar, *Atmospheric Chemistry and Physics*, **7**, 3507-3518.
- 稲葉守生 14-1 稲葉守生, 小寺邦彦, 2007: 全球大気モデルを用いた 2005 年 12 月の予報における初期値及び下部境界条件依存性, *グロースベッター*, **45**, 36-43.
- 14-2 稲葉守生, 小寺邦彦, 2007: 全球大気モデルを用いた 2005 年 12 月の予報における初期値及び下部境界条件依存性, *気象研究ノート*, **216**, 263-270.
- 猪上華子 15-1 *Hanako Y. Inoue and T. Inoue, 2007: Characteristics of the Water-Vapor Field over the Kanto District Associated with Summer Thunderstorm Activities, *SOLA*, **3**, 101-104.
- 岩切一宏 16-1 吉田康宏, 勝間田明男, 岩切一宏, 高濱聡, 國友孝洋, 熊澤峰夫, 増田俊明, 2007: 低周波アクロスによる東海監視 —静岡県森町—, *月刊地球*, **29**(8), 498-505.

- 上野 充 17-1 *Ueno, M., 2007: Observational Analysis and Numerical Evaluation of the Effects of Vertical Wind Shear on the Rainfall Asymmetry in the Typhoon Inner-Core Region, *J. Meteor. Soc. Japan*, **85**(2), 115-121.
- 17-2 Ueno, M., 2007: An analytical expression for the amplitude of wavenumber-one vertical velocity in the inner-core region of tropical cyclones under the influence of vertical ambient shear, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **WMO/TD-No.1397**, 2.29-2.30.
- 碓氷典久 18-1 *Usui, N., H. Tsujino, Y. Fujii and M. Kamachi, 2008: Generation of a trigger meander for the 2004 Kuroshio large meander, *Journal of Geophysical Research – Oceans*, **113**, C01012, doi:10.1029/2007JC004266.
- 18-2 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, Third WCRP International Conference on Reanalysis Extended Abstract.
- 18-3 *Wada, A. and N. Usui, 2007: Importance of tropical cyclone heat potential for tropical cyclone intensity and intensification in the western North Pacific, *J. Oceanogr.*, **63**, 427-447.
- 18-4 蒲地政文, 碓氷典久, 2007: 海洋モデルとデータ同化を用いた海況予報, オペレーションズ・リサーチ, 特集 モデリングーさまざまな分野, さまざまな視点から一, **52**, 211-215.
- 内山明博 19-1 *Uchiyama, A., A. Yamazaki, K. Matsuse and E. Kobayashi, 2007: Broadband shortwave calibration results for East Asian Regional Experiment 2005, *J. Geophys. Res.*, **112**, D22S34, doi:10.1029/2006JD008110.
- 19-2 *Takamura, T., N. Sugimoto, A. Shimizu, A. Uchiyama, A. Yamazaki, K. Aoki, T. Nakajima, B. J. Sohn and H. Takenaka, 2007: Aerosol radiative characteristics at Gosan, Korea, during the Atmospheric Brown Cloud East Asian Regional Experiment 2005, *J. Geophys. Res.*, **112**, D22S36, doi:10.1029/2007JD008506.
- 内山貴雄 20-1 *Sasaki, H., K. Kurihara, I. Takayabu and T. Uchiyama, 2008: Preliminary Experiments of Reproducing the Present Climate using the Non-hydrostatic Regional Climate Model, *SOLA*, **4**, 25-28, doi: 10.2151/sola.2008-007.
- 永戸久喜 21-1 永戸久喜, 2008: 鉛直拡散のインプリシット化, *数値予報課報告別冊*, **54**, 気象庁予報部, 146-147.
- 21-2 Eito, H. and K. Aonashi, 2007: Resolution dependence of hydrometeor structures generated by cloud resolving model, *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **WMO/TD-No.1397**, 5.7-5.8.
- 遠藤洋和 22-1 仙台管区气象台, 環境・応用気象研究部, 2008: 地球温暖化による東北地方の気候変化に関する研究, *気象研究所技術報告*, **52**.
- 22-2 *遠藤洋和, 原田やよい, 2008: マッデン・ジュリアン振動と冬期の日本の天候および循環場との関係, *天気*, **55**, 27-40.
- 22-3 遠藤洋和, 蒔苗仁, 森浩俊, 倉橋永, 栗原和夫, 2007: 20km 格子地域気候モデルによるヤマセ型低温の再現性と将来予測, *日本気象学会東北支部創立 50 周年記念文集*, 53-58.
- 22-4 倉橋永, 遠藤洋和, 森浩俊, 栗原和夫, 2007: 20km 格子地域気候モデルによるヤマセ型低温の再現性と将来予測, *日本気象学会東北支部創立 50 周年記念文集*, 47-52.
- 大泉三津夫 23-1 大泉三津夫, 2008: JMA-NHM に組み込んだ新陸面モデル, *数値予報課報告別冊*, **54**, 気象庁予報部, 187-189.
- 23-2 *Hirai, M., T. Sakashita, H. Kitagawa, T. Tsuyuki, M. Hosaka and M. Oh' izumi, 2007: Development and Validation of a New Land Surface Model for JMA' s

- Operational Global Model Using the CEOP Observation Dataset. *Journal of the Meteorological Society of Japan*, **85A**, 1-24.
- 岡田菊夫 26-1 個々の大気のエアロゾル粒子を見つめて (巻頭言) , エアロゾル研究, **22(4)**, 273.
- 尾瀬智昭 27-1 Yasuda, T., Y. Takaya, C. Kobayashi, M. Kamachi, H. Kamahori and T. Ose, 2007: Asian Monsoon Predictability in JMA/MRI Seasonal Forecast System, *CLIVAR Exchanges*, **43**, 18-24.
- 27-2 *Onogi, K., J. Tsutsui, H. Koide, M. Sakamoto, S. Kobayashi, H. Hatsushika, T. Matsumoto, N. Yamazaki, H. Kamahori, K. Takahashi, S. Kadokura, K. Wada, K. Kato, R. Oyama, T. Ose, N. Mannoji and R. Taira: The JRA-25 Reanalysis, *J. Meteor. Soc. Japan*, **85(3)**, 369-432.
- 小野木 茂 28-1 *小野木茂, 堀晃浩, 2007: ビームスプリッターを用いた2波長赤外線湿度計の試作, 気象研究所研究報告, **58**, 95-101.
- 小畑 淳 29-1 *Obata, A., 2007: Climate-Carbon cycle model response to freshwater discharge into the North Atlantic, *Journal of Climate*, **20**, 5962-5976.
- 折笠成宏 30-1 Murakami, M., N. Orikasa, M. Hoshimoto, K. Kusunoki, M. Seki and A. Ikeda, 2007: Recent Japanese Activities in weather modification research, *9th WMO Scientific Conference on Weather Modification*, **WMP-No.44**.
- 30-2 *Sakai, T., T. Nagai, M. Nakazato, T. Matsumura, N. Orikasa and Y. Shoji, 2007: Comparisons of the Raman lidar measurements of tropospheric water vapor profiles with radiosondes, hygrometers on the meteorological observation tower, and GPS at Tsukuba, Japan. *J. Atmos. Oceanic Technol.*, **24**, 1407-1423.
- 勝間田明男 31-1 *Katsumata, A., 2007: Magnitude Determination of Deep-focus Earthquakes in and around Japan with Regional Velocity-amplitude Data (II), *Pap. Met. Geophys.*, **58**, 31-61.
- 31-2 *勝間田明男, 2007: 機械式地震計の周波数特性を持つ再帰型デジタルフィルター, *験震時報*, **71**, 2008, 85-87.
- 31-3 鎌谷紀子, 勝間田明男, 2007: 東海地域のスロースリップと深部低周波微動および地震活動変化, *月刊地球*, **29(6)**, 397-405.
- 31-4 吉田康宏, 勝間田明男, 岩切一宏, 高濱聡, 國友孝洋, 熊澤峰夫, 増田俊明, 2007: 低周波アクロスによる東海監視—静岡県森町—, *月刊地球*, **29(8)**, 498-505.
- 加藤輝之 32-1 Kato, T. and S. Hayashi, 2007: Relation of Dec. 2005 heavy snowfall and cloud-top heights around the Japan-Sea side of the Japan Islands, estimated from objective analyses and forecasts of cloud-resolving model, *CAS/JSC Research Activities in Atmospheric and Oceanic Modeling*, **37**, 5.13-5.14.
- 32-2 *Kato, T., M. Yoshizaki and S. Hayashi, 2007: Statistical Study on Cloud Top Heights of Cumulonimbi Thermodynamically Estimated from Objective Analysis Data during the Baiu Season, *J. Meteor. Soc. Japan*, **85**, 529-557.
- 32-3 *Hashimoto, A., M. Murakami, T. Kato and M. Nakamura, 2007: Evaluation of the Influence of Saturation Adjustment with Respect to Ice on Meso-scale Model Simulations for the Case of 22 June, 2002. *SOLA*, **3**, 85-88.
- 32-4 *Wakazuki, Y., S. Kanada, C. Muroi, A. Hashimoto, T. Kato, M. Nakamura, A. Noda, M. Yoshizaki and K. Yasunaga, 2007: Regional Climate Projection Experiments on the Baiu Frontal Activity around the Japan Islands Using a Non-Hydrostatic Cloud-System-Resolving Model, *J. Earth Simulator*, **8**, 13-25.
- 32-5 *Tagami, H. H. Niino and T. Kato, 2007: A Study of Meso- α -Scale Disturbances on the Baiu Front and Their Environmental Field, *J. Meteor. Soc. Japan*, **85**, 767-784.

- 32-6 *Nakamura, M, S. Kanada, Y. Wakazuki, C. Muroi, A. Hashimoto, T. Kato, A. Noda, M. Yoshizaki and K. Yasunaga, 2008: Effects of Global Warming on Heavy Rainfall During the Baiu Season Projected by a Cloud-System-Resolving Model, *J. Disaster Research*, **3**, 15-24.
- 32-7 加藤輝之, 2007: 雪雲の発達高度からみた 2005 年 12 月の豪雪～環境場からみた潜在的な発達高度と数値実験の結果から～, *気象研究ノート*, **216**, 61-70.
- 32-8 加藤輝之, 2007: 梅雨前線帯と集中豪雨ー積乱雲が発達するための条件ー, *天気*, **54**, 395-398.
- 32-9 吉崎正憲, 加藤輝之, 柳瀬亘, 楠研一, 林修吾, 別所康太郎, 沢田雅洋, 茂木耕作, 上田博, 山田広幸, 益子渉, 2007: 第 5 回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **54**, 705-710.
- 32-10 加藤輝之, 上田博, 牛山朋来, 竹見哲也, 金田幸恵, 2007: 第 28 回メソ気象研究会の報告ー積乱雲の発達高度ー, *天気*, **54**, 811-816.
- 32-11 水野孝則, 新野宏, 小林文明, 鈴木修, 加藤輝之, 坪井和久, 田村幸雄, 赤枝健治, 海老原智, 2007: 気象研究所主催「竜巻シンポジウム」報告, *天気*, **54**(10), 889-898.
- 32-12 加藤輝之, 坪井和久, 別所康太郎, 吉崎正憲, 沢田雅洋, 村田昭彦, 楠研一, 橋本明弘, 尾上万里子, 榎本剛, 山田広幸, 上田博, 2008: 第 6 回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **55**, 173-179.
- 蒲地政文 33-1 *Usui, N., H. Tsujino, Y. Fujii and M. Kamachi, 2008: Generation of a trigger meander for the 2004 Kuroshio large meander, *Journal of Geophysical Research – Oceans*, **113**, C01012, doi:10.1029/2007JC004266.
- 33-2 *Nakano, T., I. Kaneko, T. Soga, H. Tsujino, T. Yasuda, H. Ishizaki and M. Kamachi, 2007: Mid-depth freshening in the North Pacific subtropical gyre observed along the JMA repeat and WOCE hydrographic sections, *Geophysical Research Letters*, **34**, L23608/2007GL031433.
- 33-3 Yasuda, T., Y. Takaya, C. Kobayashi, M. Kamachi, H. Kamahori and T. Ose, 2007: Asian Monsoon Predictability in JMA/MRI Seasonal Forecast System, *CLIVAR Exchanges*, **43**, 18-24.
- 33-4 Fujii, Y., T. Yasuda, T. Nakaegawa and M. Kamachi, 2008: Coupled Ocean and Atmosphere Simulation by Assimilating Ocean Observation Data to a Coupled Model, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 33-5 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 33-6 蒲地政文, 藤井陽介, 松本聡, Fabrice Hernandez, Christopher Maes, Tong Lee, 2007: GODAE の現状, *月刊「海洋」*, 総特集 Argo の現状と課題ー海洋学の基盤としての Argoー, **39**, 422-428.
- 33-7 蒲地政文, 碓氷典久, 2007: 海洋モデルとデータ同化を用いた海況予報, *オペレーションズ・リサーチ*, 特集 モデリングーさまざまな分野, さまざまな視点からー, **52**, 211-215.
- 上口賢治 34-1 鬼頭昭雄, 保坂征宏, 上口賢治, 野原大輔, 2008: 気候変動が及ぼす流量変化の予測, *アジアの流域水問題*, 砂田憲吾編著 CREST アジア流域水政策シナリオ研究チーム著, 技報堂出版, 199-225.
- 川畑拓矢 35-1 *Kawabata, T., H. Seko, K. Saito, T. Kuroda, K. Tamiya, T. Tsuyuki, Y. Honda and Y. Wakazuki, 2007: An Assimilation Experiment of the Nerima Heavy Rainfall with a Cloud-Resolving Nonhydrostatic 4-Dimensional Variational Data Assimilation System, *J. Meteor. Soc. Japan*, **85**, 255-276.
- 35-2 露木義, 川畑拓矢, 2008: 「気象学におけるデータ同化」, *気象研究ノート*, **217**, 277p
- 35-3 川畑拓矢, 2008: 雲解像データ同化による深い対流雲の研究. 気象学におけるデータ同化, *気象研究ノート*, **217**, 207-223.

- 北島尚子 36-1 *Kitabatake, N., S. Hoshino, K. Bessho and F. Fujibe, 2007: Structure and Intensity Change of Typhoon Songda (0418) Undergoing Extratropical Transition, *Pap. Met. Geophys.*, **58**, 135-153.
- 36-2 *Fujibe, F. and N. Kitabatake, 2007: Classification of surface wind fields of tropical cyclones at landfall on the Japan main islands, *Journal of the Meteorological Society of Japan*, **85**(6), 747-765.
- 36-3 *Kitabatake, N. and K. Bessho, 2008: Cyclone phase of tropical cyclones landfalling in Japan during 2004-2006, *SOLA*, **4**, 21-24, doi:10.2151/sola.2008-006.
- 北村祐二 37-1 *Kitamura, Y. and K. Ishioka, 2007: Equatorial jets in decaying shallow-water turbulence on a rotating Sphere, *Journal of the Atmospheric Sciences*, **64**, 3340-3353.
- 37-2 Kitamura, Y. and Y. Matsuda, 2008: The horizontal energy spectra and cascade processes in rotating stratified turbulence, *Proceedings of the IUTAM symposium on Computational Physics and New Perspectives in Turbulence*, 409-414.
- 鬼頭昭雄 38-1 *Kitoh, A., T. Motoi and S. Murakami, 2007: E1 Nino-Southern Oscillation simulation at 6000 years before present with the MRI-CGCM2.3: Effect of flux adjustment, *J. Climate*, **20**, 2484-2499.
- 38-2 *Kitoh, A., 2007: ENSO modulation by mountain uplift, *Clim. Dyn.*, **28**, 781-796.
- 38-3 Meehl, G. A., T. F. Stocker, W. D. Collins, P. Friedlingstein, A. T. Gaye, J. M. Gregory, A. Kitoh, R. Knutti, J. M. Murphy, A. Noda, S. C. B. Raper, I. G. Watterson, A. J. Weaver and Z. -C. Zhao, 2007: Global Climate Projections, *Climate Change 2007*, Cambridge University Press, UK, 747-845.
- 38-4 *Braconnot, P., B. Otto-Bliesner, S. Harrison, S. Joussaume, J. -Y. Peterchmitt, A. Abe-Ouchi, M. Crucifix, E. Driesschaert, Th. Fichet, C. D. Hewitt, M. Kageyama, A. Kitoh, A. Laine, M. -F. Loutre, O. Marti, U. Merkel, G. Ramstein, P. Valdes. S. L. We, 2007: Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum - Part 1: experiments and large-scale features, *Clim. Past*, **3**, 261-277.
- 38-5 *Braconnot, P., B. Otto-Bliesner, S. Harrison, S. Joussaume, J. -Y. Peterchmitt, A. Abe-Ouchi, M. Crucifix, E. Driesschaert, Th. Fichet, C. D. Hewitt, M. Kageyama, A. Kitoh, M. -F. Loutre, O. Marti, U. Merkel, G. Ramstein, P. Valdes. S. L. Weber and Y. Yu, 2007: Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum - Part 2: feedbacks with emphasis on the location of the ITCZ and mid- and high latitudes heat budget, *Clim. Past*, **3**, 279-296.
- 38-6 *Kitoh, A., 2007: Variability of Indian monsoon-ENSO relationship in a 1000-year MRI-CGCM2.2 simulation, *Natural Hazards*, **42**, 261-272.
- 38-7 *Sajani, S., T. Nakazawa, A. Kitoh and K. Rajendran, 2007: Ensemble simulation of Indian summer monsoon rainfall by an atmospheric general circulation model, *J. Meteor. Soc. Japan*, **85**, 213-231.
- 38-8 *Kitoh, A., A. Yatagai and P. Alpert, 2008: First super-high-resolution model projection that the ancient "Fertile Crescent" will disappear in this century, *Hydrological Research Letters*, **2**, 1-4.
- 38-9 Kitoh, A., 2008: Climate Change, *Asia-Pacific Coasts and Their Management Edited by Nobuo Mimura*, 18-25.
- 38-10 鬼頭昭雄, 2007: 温暖化で暖かくなると豊作になる?, *環境会議 株式会社宣伝会議*, **2007年秋号**, 64-69.
- 38-11 鬼頭昭雄, 2007: 地球温暖化-気候変動の行方~観測とシミュレーションの最新知見から見えて来るもの~, *資源環境対策*, **43**(15), 29-33.
- 38-12 鬼頭昭雄, 2007: 地球シミュレータによる 100 年後の日本の気候, *エネルギーいんふ*

- おめいしょん, エネルギーを考える会, **31(8)**, 2-19.
- 38-13 鬼頭昭雄, 保坂征宏, 上口賢治, 野原大輔, 2008: 気候変動が及ぼす流量変化の予測, *アジアの流域水問題*, 砂田憲吾編著 CREST アジア流域水政策シナリオ研究チーム著, 技報堂出版, 199-225.
- 38-14 虫明功臣, 福岡捷二, 鬼頭昭雄, 門松武, 2008: 気候変動と今後の対策, *河川*, **64(1)**, 12-25.
- 38-15 *Takayabu, I., H. Kato, K. Nishizawa, Y.N. Takayabu, Y. Sato, H. Sasaki, K. Kurihara and A. Kitoh, 2007: Future projections in precipitation over Asia simulated by two RCMs nested into MRI-CGCM2.2. *J. Meteor. Soc. Japan*, **85**, 511-519.
- 楠 研一
- 39-1 Kusunoki, K., 2008: Making railroads safer, *Vaisala News*, **176**, 14-15.
- 39-2 *Suzuki, T., K. Kusunoki, K. Hattori and Y. Ando, 2008: Recent Developments in Portable Weather Radars and New Experiments, *IEEEJ Trans. FM*, **128**, 2-4.
- 39-3 Murakami, M., N. Oriyasa, M. Hoshimoto, K. Kusunoki, M. Seki and A. Ikeda, 2007: Recent Japanese Activities in weather modification research, *9th WMO Scientific Conference on Weather Modification*, **WMP-No.44**.
- 39-4 楠研一, 2007: 2007 年度春季大会専門分科会報告 1. 「可搬型ドップラー気象レーダーの現状と将来展望」, **54**, 729-730. 39-12 吉崎正憲, 加藤輝之, 柳瀬 亘, 楠研一, 林修吾, 別所康太郎, 沢田雅洋, 茂木耕作, 上田博, 山田広幸, 益子渉, 2007: 第5回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **54**, 707.
- 39-5 加藤輝之, 坪木和久, 別所康太郎, 吉崎正憲, 沢田雅洋, 村田昭彦, 楠研一, 橋本明弘, 尾上万里子, 榎本剛, 山田広幸, 上田博, 2008: 第6回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **55**, 176.
- 39-6 道本光一郎, 鈴木智幸, 宮崎忠臣, 岡田富男, 楠研一, 早川正士, 市山尚, 木村順一, 早川信一, 2007: 日本大気電気学会第77回研究発表会(SKaTE2007), *大気電気学会誌*, **1(2)**, 34.
- 楠 昌司
- 40-1 *Kusunoki, S., J. Yoshimura, H. Yoshimura, R. Mizuta, k. Oouchi and A. Noda, 2008: Global Warming Projection by an Atmospheric Global Model with 20-km Grid, *Journal of Disaster Research*, **3**, 4-14.
- 40-2 *楠昌司, 2007: 20km 格子全球大気モデルによる冬季東アジアモンスーンの再現性, *グロースベッター*, **45**, 87-97.
- 40-3 *和田一範, 楠昌司, 2008: 高解像度全球モデルを用いた地球温暖化にともなう四国地方の洪水・渇水リスクの評価, *水工学論文集*, **52**, 529-534.
- 40-4 楠昌司, 2007: 20km 格子全球大気モデルによる冬季東アジアモンスーンの再現性, *気象研究ノート*, **216**, 253-261.
- 40-5 本田明治, 楠昌司, 2007: 「2005/06年 日本の寒冬・豪雪」, *気象研究ノート*, **216**.
- 國井 勝
- 43-1 Seko, J., Y. Shoji, M. Kunii, K. Saito and Y. Aoyama, 2007: Data Assimilation Experiments using CHAMP Refractivity Data, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 43-2 Saito, K., H. Seko, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Preliminary Mesoscale Ensemble Prediction experiment for WWRP Beijing 2008 RDP, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.25-5.26.
- 43-3 Seko, H., K. Saito, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Japan Area Mesoscale Ensemble Experiments using JMANHM, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 43-4 斉藤和雄, 瀬古弘, 國井勝, 2008: 第3回 WWRP 北京 2008 予報実証実験/研究開発プロジェクト(B08FDP/RDP)ワークショップ報告. *天気*, **55**, 101-108.
- 43-5 斉藤和雄, 瀬古弘, 國井勝, 原旅人, 山口宗彦, 経田正幸, 2008: 2006 年予備実験, *数値予報課報告別冊*, **54**, 247-248.

- 43-6 斉藤和雄, 瀬古弘, 國井勝, 原昌弘, 原旅人, 山口宗彦, 2008: 2007年予備実験と今後の課題, *数値予報課報告別冊*, **54**, 248-254.
- 43-7 國井勝, 斉藤和雄, 2008: メソ解析の適用と降水同化, *数値予報課報告別冊*, **54**, 255-256.
- 43-8 小司禎教, 國井勝, 2008: 地上GPS観測網による可降水量の同化, 気象学におけるデータ同化, *気象研究ノート*, **217**, 228-238.
- 栗原和夫 45-1 仙台管区气象台, 環境・応用気象研究部, 2008: 地球温暖化による東北地方の気候変化に関する研究, *気象研究所技術報告*, **52**.
- 45-2 遠藤洋和, 蒔苗仁, 森浩俊, 倉橋永, 栗原和夫, 2007: 20km格子地域気候モデルによるヤマセ型低温の再現性と将来予測, *日本気象学会東北支部創立50周年記念文集*, 53-58.
- 45-3 倉橋永, 遠藤洋和, 森浩俊, 栗原和夫, 2007: 20km格子地域気候モデルによるヤマセ型低温の再現性と将来予測, *日本気象学会東北支部創立50周年記念文集*, 47-52.
- 45-4 *Sasaki, H., K. Kurihara, I. Takayabu and T. Uchiyama, 2008: Preliminary Experiments of Reproducing the Present Climate using the Non-hydrostatic Regional Climate Model, *SOLA*, **4**, 25-28, doi: 10.2151/sola.2008-007.
- 45-5 *Takayabu, I., H. Kato, K. Nishizawa, Y.N. Takayabu, Y. Sato, H. Sasaki, K. Kurihara and A. Kitoh, 2007: Future projections in precipitation over Asia simulated by two RCMs nested into MRI-CGCM2.2. *J. Meteor. Soc. Japan*, **85**, 511-519.
- 黒田友二 46-1 *Kuroda, Y., M. Deushi and K. Shibata, 2007: Role of solar activity in the troposphere-stratosphere coupling in the southern hemisphere winter, *Geophysical Research Letters*, **34**, L21704, doi:10.1029/2007GL030983.
- 46-2 *Kuroda, Y., 2007: Effect of QBO and ENSO on the solar cycle modulation of winter North Atlantic Oscillation, *J. Meteorol. Soc. Jpn.*, **85**, 889-898.
- 高野洋雄 47-1 Kohno, N. and A. Murata, 2007: The Impact of the Sea State on the Typhoon Intensity in Atmosphere-wave coupled model. *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **37**, 4.13-4.14.
- 小林昭夫 48-1 *小林昭夫, 2008: 潮位記録を用いた地殻上下変動推定のための津村による海域区分の検証, *験震時報*, **71**, 1-17.
- 小林隆久 49-1 *Kobayashi, T., 2007: Significant differences in the colud droplet effective radius between non-precipitating and precipitating clouds, *Geophysical Research Letters*, **34**, L15811.
- 斉藤和雄 52-1 Seko, J., Y. Shoji, M. Kunii, K. Saito and Y. Aoyama, 2007: Data Assimilation Experiments using CHAMP Refractivity Data, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 52-2 Saito, K., H. Seko, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Preliminary Mesoscale Ensemble Prediction experiment for WWRP Beijing 2008 RDP, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.25-5.26.
- 52-3 Saito, K., 2007: Development of a BGM method with the JMA nonhydrostatic mesoscale model, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.27-5.28.
- 52-4 Seko, H., K. Saito, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Japan Area Mesoscale Ensemble Experiments using JMANHM, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 52-5 斉藤和雄, 牧原康隆, 2007: 気象庁の短時間降雨予測技術について, *水環境学会誌*, **5**月号, 230-235.

- 52-6 *Kawabata, T., H. Seko, K. Saito, T. Kuroda, K. Tamiya, T. Tsuyuki, Y. Honda and Y. Wakazuki, 2007: An Assimilation Experiment of the Nerima Heavy Rainfall with a Cloud-Resolving Nonhydrostatic 4-Dimensional Variational Data Assimilation System, *J. Meteor. Soc. Japan*, **85**, 255-276.
- 52-7 斉藤和雄, 牧原康隆, 2007: 降水現象の予報高度化の技術, *天気*, **54**, 622-631.
- 52-8 *Furumoto, J., S. Imura, T. Tsuda, H. Seko, T. Tsuyuki and K. Saito, 2007: The Variational Assimilation Method for the Retrieval of Humidity Profiles with the Wind-profiling Radar, *J. Atmos. Ocea. Tech.*, **24**, 1525-1545.
- 52-9 *Saito, K., J. Ishida, K. Aranami, T. Hara, T. Segawa, M. Narita and Y. Honda, 2007: Nonhydrostatic atmospheric models and operational development at JMA, *J. Meteor. Soc. Japan.*, **85B**, 271-304.
- 52-10 斉藤和雄, 2008: はじめに. 気象学におけるデータ同化, *気象研究ノート*, **217**, 207-208.
- 52-11 斉藤和雄, 瀬古弘, 國井勝, 2008: 第3回 WWRP 北京 2008 予報実証実験/研究開発プロジェクト(B08FDP/RDP)ワークショップ報告. *天気*, **55**, 101-108.
- 52-12 余田成男, 中澤哲夫, 竹内義明, 三好建正, 木本昌秀, 榎本剛, 岩崎俊樹, 向川均, 松枝未遠, 山口宗彦, 茂木耕作, 新野宏, 斉藤和雄, 瀬古弘, 小司禎教, 2008: 日本における顕著現象の予測可能性研究, *天気*, **55**, 117-126.
- 52-13 斉藤和雄, 2008: 浮力の扱いの変更, *数値予報課報告別冊*, **54**, 44-45.
- 52-14 斉藤和雄, 2008: 連続式への水蒸気拡散の導入と側面フラックス計算への海面水蒸気フラックスの考慮, *数値予報課報告別冊*, **54**, 45-46.
- 52-15 斉藤和雄, 2008: マップファクタ, *数値予報課報告別冊*, **54**, 46-48.
- 52-16 斉藤和雄, 2008: 基本場の作り方, *数値予報課報告別冊*, **54**, 48-49.
- 52-17 斉藤和雄, 石田純一, 2008: 適応水蒸気拡散の導入, *数値予報課報告別冊*, **54**, 52-53.
- 52-18 荒波恒平, 石田純一, 斉藤和雄, 2008: 非線形拡散へのリミッタの適用, *数値予報課報告別冊*, **54**, 54-55.
- 52-19 斉藤和雄, 瀬古弘, 國井勝, 原旅人, 山口宗彦, 経田正幸, 2008: 2006 年予備実験, *数値予報課報告別冊*, **54**, 247-248.
- 52-20 斉藤和雄, 瀬古弘, 國井勝, 原昌弘, 原旅人, 山口宗彦, 2008: 2007 年予備実験と今後の課題, *数値予報課報告別冊*, **54**, 248-254.
- 52-21 國井勝, 斉藤和雄, 2008: メソ解析の適用と降水同化, *数値予報課報告別冊*, **54**, 255-256.
- 52-22 瀬古弘, 斉藤和雄, 2008: B08RDP の Tier2 プロジェクト実験, *数値予報課報告別冊*, **54**, 257-259.
- 52-23 Saito, K., 2008: MRI Scientists visit NTU and ITB. Newsletter, International Research for Prevention and Mitigation of Meteorological Disasters in Southeast Asia, **2**, 2.
- 斉藤 秀 53-3 時枝隆之, 石井雅男, 斉藤秀, 緑川貴, 2007: 大気および海水中の超微量六フッ化硫黄 (SF₆)の測定手法の高度化と SF₆標準ガスの長期安定性の評価, *気象研究所技術報告*, **51**, 33p.
- 坂井孝行 54-1 山崎明, 坂井孝行, 2007: ピエゾ磁気効果への地形の影響について-茂木モデルの場合-, *Conductivity Anomaly 研究会 2007 年論文集*, **57**, 175-181.
- 54-2 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 有限要素法による火山性地殻変動の計算精度の確立, *気象研究所研究報告*, **58**, 1-15.
- 54-3 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 深さに比して相対的に大きな半径を有する球圧力源による地表面変位, *気象研究所研究報告*, **58**, 17-30.
- 54-4 地震火山研究部, 2008: 火山活動評価手法の開発研究, *気象研究所技術報告*, **53**.
- 酒井 哲 55-1 *Sakai, T., T. Nagai, M. Nakazato, T. Matsumura, N. Orikasa, and Y. Shoji, 2007: Comparisons of the Raman lidar measurements of tropospheric water vapor

- profiles with radiosondes, hygrometers on the meteorological observation tower, and GPS at Tsukuba, Japan. *J. Atmos. Oceanic Technol.*, **24**, 1407-1423.
- 55-2 *Nakazato, M., T. Nagai, T. Sakai and Y. Hirose, 2007: Tropospheric ozone differential-absorption lidar using stimulated Raman scattering in carbon dioxide, *Applied Optics*, **46**, 2269-2279.
- 55-3 *Niwano, M., M. Takigawa, M. Takahashi, H. Akimoto, M. Nakazato, T. Nagai, T. Sakai and Y. Mano, 2007: Evaluation of Vertical Ozone Profiles Simulated by WRF/Chem Using Lidar-Observed Data, *SOLA*, **3**, 133-136.
- 佐々木秀孝 57-1 *Sasaki, H., K. Kurihara, I. Takayabu and T. Uchiyama, 2008: Preliminary Experiments of Reproducing the Present Climate using the Non-hydrostatic Regional Climate Model, *SOLA*, **4**, 25-28, doi: 10.2151/sola.2008-007.
- 57-2 *Takayabu, I., H. Kato, K. Nishizawa, Y.N. Takayabu, Y. Sato, H. Sasaki, K. Kurihara and A. Kitoh, 2007: Future projections in precipitation over Asia simulated by two RCMs nested into MRI-CGCM2.2. *J. Meteor. Soc. Japan*, **85**, 511-519.
- 澤 庸介 60-1 *Tanimoto, H., H. Mukai, Y. Sawa, H. Matsueda, S. Yonemura, T. Wang, S. Poon, A. Wong, G. Lee, J. Y. Jung, K. R. Kim, M. H. Lee, N. H. Lin, J. L. Wang, C. F. Ou-Yang, C. F. Wu, H. Akimoto, P. Pochanart, K. Tsuboi, H. Doi, C. Zellweger an, 2007: Direct assessment of international consistency of standards for ground-level ozone: strategy and implementation toward metrological traceability network in Asia, *Journal of Environmental Monitoring*, **9**, 1183-1193.
- 60-2 *Miyaoaka, Y., H. Y. Inoue, Y. Sawa, H. Matsueda and S. Taguchi, 2007: Diurnal and seasonal variations in atmospheric CO₂ in Sapporo, Japan: Anthropogenic sources and biogenic sinks, *Geochemical Journal*, **41**, 429-436.
- 60-3 *Wada, A., Y. Sawa, H. Matsueda, S. Taguchi, S. Murayama, S. Okubo and Y. Tsutsumi, 2007: Influence of Continental Air Mass Transport on Atmospheric CO₂ in the Western North Pacific, *J. Geophys. Res.*, **112**, D07311(1-12).
- 60-4 *Nakajima, T., S. -C. Yoon, V. Ramanathan, G. -Y. Shi, T. Takemura, A. Higurashi, T. Takamura, K. Aoki, B. -J. Sohn, S. -W. Kim, H. Tsuruta, N. Sugimoto, A. Shimizu, H. Tanimoto, Y. Sawa, N. -H. Lin, C. -T. Lee, D. Goto and N. Schutgens, 2007: Overview of the Atmospheric Brown Cloud East Asian Regional Experiment 2005 and a study of the aerosol direct radiative forcing in east Asia, *Journal of Geophysical Research*, **112**, D24S91(1-23), doi:10.1029/2007JD009009.
- 60-5 *Sawa, Y., H. Tanimoto, S. Yonemura, H. Matsueda, A. Wada, S. Taguchi, T. Hayasaka, H. Tsuruta, Y. Tohjima, H. Mukai, N. Kikuchi, S. Katagiri and K. Tsuboi, 2007: Widespread pollution events of carbon monoxide observed over the western North Pacific during the EAREX2005 campaign, *Journal of Geophysical Research*, **112**, D22S26(1-19).
- 60-6 *Kaneyasu, N., Y. Igarashi, Y. Sawa, H. Takahashi, H. Takada, H. Kumata and R. Holler, 2007: Chemical and optical properties of 2003 Siberian forest fire smoke observed at the summit of Mt. Fuji, Japan, *Journal of Geophysical Research*, **112**, D13214.
- 60-7 *Tanimoto, H., Y. Sawa, H. Matsueda, S. Yonemura, A. Wada, H. Mukai, T. Wang, S. Poon, A. Wong, G. Lee, J. Y. Jung, K. R. Kim, M. Lee, N. H. Lin, J. L. Wang, C. F. Ou-Yang and C.-F. Wu, 2007: Evaluation of standards and methods for continuous measurements of carbon monoxide at ground-based sites in Asia, *Pap. Met. Geophys.*, **58**, 85-93.
- 60-8 *Yonemura, S., S. Kawashima, H. Matsueda, Y. Sawa, S. Inoue and H. Tanimoto, 2008: Temporal variations in ozone concentrations deriveds from principal component analysis, *Theoretical and Applied Climatology*, **92**, 47-58.
- 60-9 *Matsueda, H., T. Machida, Y. Sawa, Y. Nakagawa, K. Hirokuni, H. Ikeda, N. Kondo and K. Goto, 2008: Evaluation of atmospheric CO₂ measurements from new flask air sampling of JAL airliner observations. *Pap. Met. Geophys.*, **59**,

- 1-17.
- 60-10 Machida, T., H. Matsueda and Y. Sawa, 2007: A new JAL project: CONTRAIL Comprehensive Observation Network for Trace gases by AlrLiner, *IGAC Newsletter*, **37**, 23-30.
- 60-11 町田敏暢, 松枝秀和, 澤庸介, 2008: 民間航空機を活用したアジア太平洋域上空における温室効果気体の観測, *地球環境保全試験研究費*, 地球環境保全試験研究費(地球一括計上)平成18年度研究成果報告集, 687-718.
- 柴田清孝
- 61-1 *Kodama, C., T. Iwasaki, K. Shibata and S. Yukimoto, 2007: Changes in the stratospheric mean meridional circulation due to increased CO₂: Radiation - and sea surface temperature - induced effects, *Journal of Geophysical Research*, **112**, **D16103**, doi:10.1029/2006JD008219.
- 61-2 *Kuroda, Y., M. Deushi and K. Shibata., 2007: Role of solar activity in the troposphere-stratosphere coupling in the southern hemisphere winter, *Geophys. Res. Lett.*, **34**, L21704, doi:10.1029/2007GL030983.
- 61-3 *Eyring, V., D. W. Waugh, G. E. Bodeker, E. Cordero, H. Akiyoshi, J. Austin, S. R. Beagley, B. A. Boville, P. Braesicke, C. Bruhl, N. Butchart, M. P. Chipperfield, M. Dameris, R. Deckert, M. Deushi, S. M. Frith, R. R. Garcia, A. Gettelman, M. A. Giorgetta, D. E. Kinnison, E. Mancini, E. Manzini, D. R. Marsh, S. Matthes, T. Nagashima, P. A. Newman, J. E. Nielsen, S. Pawson, G. Pitari, D. A. Plummer, E. Rozanov, M. Schraner, J. F. Scinocca, K. Semeniuk, T. G. Shepherd, K. Shibata, B. Steil, R. S. Stolarski, W. Tian and M. Yoshiki., 2007: Multimodel projections of stratospheric ozone in the 21st century, *J. Geophys. Res.*, **112**, D16205, doi:10.1029/2007JD008432.
- 小司禎教
- 62-1 Seko, J., Y. Shoji, M. Kunii, K. Saito and Y. Aoyama, 2007: Data Assimilation Experiments using CHAMP Refractivity Data, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 68-2 *Seko H., Y. Shoji and F. Fujibe, 2007: Evolution and Air flow Structure of a Kanto Thunderstorm on 21 July 1999 (the Nerima Heavy Rainfall Event), *J. Meteor. Soc. Japan*, **85**, 455-477.
- 62-3 *Sakai, T., T. Nagai, M. Nakazato, T. Matsumura, N. Orikasa, and Y. Shoji, 2007: Comparisons of the Raman lidar measurements of tropospheric water vapor profiles with radiosondes, hygrometers on the meteorological observation tower, and GPS at Tsukuba, Japan, *J. Atmos. Oceanic Technol.*, **24**, 1407-1423.
- 62-4 余田成男, 中澤哲夫, 竹内義明, 三好建正, 木本昌秀, 榎本剛, 岩崎俊樹, 向川均, 松枝未遠, 山口宗彦, 茂木耕作, 新野宏, 斉藤和雄, 瀬古弘, 小司禎教, 2008: 日本における顕著現象の予測可能性研究, *天気*, **55**, 117-126.
- 62-5 小司禎教, 2007: 水蒸気観測技術の発達とこれから, *天気*, **54**, 885-888.
- 62-6 小司禎教, 國井勝, 2008: 地上 GPS 観測網による可降水量の同化, 気象学におけるデータ同化, *気象研究ノート*, **217**, 228-238.
- 杉 正人
- 64-1 Sugi, M., 2008: Examination of Tropical Cyclogenesis using the High Temporal and Spatial Resolution JRA-25 Dataset, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 64-2 杉正人, 2007: 地球温暖化で台風はどうなる, *パリティ*, **22(66)**, 43-46.
- 鈴木 修
- 65-1 水野孝則, 新野宏, 小林文明, 鈴木修, 加藤輝之, 坪木和久, 田村幸雄, 赤枝健治, 海老原智, 2007: 気象研究所主催「竜巻シンポジウム」報告, *天気*, **54(10)**, 889-898.
- 清野直子
- 66-1 清野直子, 山本哲, 千葉長, 2007: タクラマカン砂漠におけるダスト飛散シミュレーション, *ながれ*, **26(5)**, 307-312.

- 瀬古 弘 68-1 Seko, J., Y. Shoji, M. Kunii, K. Saito and Y. Aoyama, 2007: Data Assimilation Experiments using CHAMP Refractivity Data. *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 68-2 Saito, K., H. Seko, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Preliminary Mesoscale Ensemble Prediction experiment for WWRP Beijing 2008 RDP, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.25-5.26.
- 68-3 Seko, H., K. Saito, M. Kunii, T. Hara, M. Kyouda and M. Yamaguchi, 2007: Japan Area Mesoscale Ensemble Experiments using JMANHM, *CAS/JSC WGNE Research Activities in Atmospheric and Oceanic Modelling*, **37**, 5.31-5.32.
- 68-4 *Kawabata, T., H. Seko, K. Saito, T. Kuroda, K. Tamiya, T. Tsuyuki, Y. Honda and Y. Wakazuki, 2007: An Assimilation Experiment of the Nerima Heavy Rainfall with a Cloud-Resolving Nonhydrostatic 4-Dimensional Variational Data Assimilation System, *J. Meteor. Soc. Japan*, **85**, 255-276.
- 68-5 *Seko H., Y. Shoji and F. Fujibe, 2007: Evolution and Air flow Structure of a Kanto Thunderstorm on 21 July 1999 (the Nerima Heavy Rainfall Event), *J. Meteor. Soc. Japan*, **85**, 455-477.
- 68-6 *Furumoto, J., S. Imura, T. Tsuda, H. Seko, T. Tsuyuki and K. Saito, 2007: The Variational Assimilation Method for the Retrieval of Humidity Profiles with the Wind-profiling Radar, *J. Atmos. Ocea. Tech.*, **24**, 1525-1545.
- 68-7 斉藤和雄, 瀬古弘, 國井勝, 2008: 第3回 WWRP 北京 2008 予報実証実験/研究開発プロジェクト(B08FDP/RDP)ワークショップ報告, *天気*, **55**, 101-108.
- 68-8 余田成男, 中澤哲夫, 竹内義明, 三好建正, 木本昌秀, 榎本剛, 岩崎俊樹, 向川均, 松枝未遠, 山口宗彦, 茂木耕作, 新野宏, 斉藤和雄, 瀬古弘, 小司禎教, 2008: 日本における顕著現象の予測可能性研究, *天気*, **55**, 117-126.
- 68-9 斉藤和雄, 瀬古弘, 國井勝, 原旅人, 山口宗彦, 経田正幸, 2008: 2006 年予備実験, *数値予報課報告別冊*, **54**, 247-248.
- 68-10 斉藤和雄, 瀬古弘, 國井勝, 原昌弘, 原旅人, 山口宗彦, 2008: 2007 年予備実験と今後の課題, *数値予報課報告別冊*, **54**, 248-254.
- 68-11 瀬古弘, 斉藤和雄, 2008: B08RDP の Tier2 プロジェクト実験, *数値予報課報告別冊*, **54**, 257-259.
- 68-12 瀬古弘, 2008: 3次元変分法データ同化システムを用いた練馬豪雨の再現実験. 気象学におけるデータ同化, *気象研究ノート*, **217**, 224-227.
- 68-13 瀬古弘, 2008: 屈折率のデータ同化システムの開発, 気象学におけるデータ同化, *気象研究ノート*, **217**, 239-249.
- 高木朗充 69-1 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 有限要素法による火山性地殻変動の計算精度の確立, *気象研究所研究報告*, **58**, 1-15.
- 69-2 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 深さに比して相対的に大きな半径を有する球圧力源による地表面変位, *気象研究所研究報告*, **58**, 17-30.
- 69-3 地震火山研究部, 2008: 火山活動評価手法の開発研究, *気象研究所技術報告*, **53**.
- 高橋清利 70-1 * Onogi, K., J. Tsutsui, H. Koide, M. Sakamoto, S. Kobayashi, H. Hatsushika, T. Matsumoto, N. Yamazaki, H. Kamahori, K. Takahashi, S. Kadokura, K. Wada, K. Kato, R. Oyama, T. Ose, N. Mannoji and R. Taira, 2007: The JRA-25 Reanalysis, *Journal of the Meteorological Society of Japan*, **85**, 369-432.
- 高橋 宙 71-1 *Kaneyasu, N., Y. Igarashi, Y. Sawa, H. Takahashi, H. Takada, H. Kumata and R. Holler, 2007: 富士山山頂で観測された 2003 年シベリア森林災煙の化学および光学特性, *Journal of Geophysical Research*, **112**, D13214.
- 高薮 出 72-1 *Sasaki, H., K. Kurihara, I. Takayabu and T. Uchiyama, 2008: Preliminary

- Experiments of Reproducing the Present Climate using the Non-hydrostatic Regional Climate Model, *SOLA*, **4**, 25-28, doi: 10.2151/sola.2008-007.
- 72-2 高藪出, 2007: 温帯低気圧の理論的研究—Eady 解と現実の低気圧—, *天気*, **54**, 533-536.
- 72-3 高藪出, 2007: 2006 年度春季大会シンポジウム「異常気象に挑む—極端な降水現象の理解と予測を目指して—」の報告. 3. 地域気候モデルシステムによる日本周辺での降水の様相の将来の変化予測, *天気*, **54**, 617-622.
- 72-4 *Takayabu, I., H. Kato, K. Nishizawa, Y.N. Takayabu, Y. Sato, H. Sasaki, K. Kurihara and A. Kitoh, 2007: Future projections in precipitation over Asia simulated by two RCMs nested into MRI-CGCM2.2. *J. Meteor. Soc. Japan*, **85**, 511-519.
- 高山寛美 73-1 *Takayama, H. and A. Yoshida, 2007: Crustal deformation in Kyushu derived from GEONET data, *J. Geophys. Res.*, **112**(B6), B06413, doi:10.1029/2006JB004690.
- 73-2 *Hayashi, Y., K. Hirata, T. Kuragano, T. Sakurai, H. Takayama, Y. Hasegawa and N. Hamada, 2007: Feasibility study on the potential of satellite altimetry for detecting seismic geoid changes due to the 2004 Sumatra-Andaman earthquake, *Earth, Planets and Space*, **59**(11), 1149-1153.
- 高山博之 74-1 *岡田実, 高山博之, 弘瀬冬樹, 内田直希, 2007: 地震長期発生確率予測に使用する更新過程対数正規分布モデルのパラメータ事前分布, *地震第2輯*, **60**(2), 85-100.
- 74-2 *高山博之, 前田憲二, 弘瀬冬樹, 2008: 南海トラフ沿い大地震の開始位置に与えるプレート境界の形状の効果, *地震第2輯*, **60**(4), 279-284.
- 74-3 *高山博之, 黒木英州, 前田憲二, 2007: シミュレーションを用いた東南海・南海地震の発生順序について, *気象研究所研究報告*, **58**, 127-134.
- 74-4 *甲斐玲子, 前田憲二, 高山博之, 2008: 想定震源域付近で地震が発生した場合の東海地震への影響, *駿震時報*, **71**, 79-83.
- 田中泰宙 79-1 田中泰宙, 2007: エアロゾル輸送モデルの開発と現業黄砂予報への応用, *日本風工学会誌*, **32**(3), 379-388.
- 千葉 長 82-1 *Inomata, Y., M. Chiba, Y. Igarashi, M. Aoyama and K. Hirose, 2007: Seasonal and spatial variations of enhanced gamma ray dose rates derived from ^{222}Rn progeny during precipitation in Japan, *Atmospheric Environment*, **41**, 8043-8057.
- 82-2 清野直子, 山本哲, 千葉長, 2007: タクラマカン砂漠におけるダスト飛散シミュレーション, *ながれ*, **26**(5), 307-312.
- 辻野博之 84-1 *Usui, N., H. Tsujino, Y. Fujii and M. Kamachi, 2008: Generation of a trigger meander for the 2004 Kuroshio large meander, *Journal of Geophysical Research—Oceans*, **113**, C01012, doi:10.1029/2007JC004266.
- 84-2 *Nakano, T., I. Kaneko, T. Soga, H. Tsujino, T. Yasuda, H. Ishizaki and M. Kamachi, 2007: Mid-depth freshening in the North Pacific subtropical gyre observed along the JMA repeat and WOCE hydrographic sections, *Geophysical Research Letters*, **34**, L23608/2007GL031433.
- 84-3 Tsujino, H. and Y. Fujii 2007: Improved representation of currents and water masses in the upper layer of the North Pacific Ocean in eddy-resolving OGCMs, *CLIVAR Exchanges*, **42**, 19-21.
- 84-4 Nakano, H., M. Hirabara, H. Tsujino and T. Motoi 2008: Development of the global ocean model with the resolution of $1^\circ \times 1/2^\circ$ and $1/8^\circ \times 1/12^\circ$, *CLIVAR Exchanges*, **44**, 11-13.
- 84-5 *Tsujino, H., Nakano, H. and T. Motoi 2008: Mechanism of currents through the Straits of the Japan Sea: Mean State and Seasonal Variation, *Journal of Oceanography*, **64**, 141-161.

- 出牛 真 85-1 *Eyring, V., D. W. Waugh, G. E. Bodeker, E. Cordero, H. Akiyoshi, J. Austin, S. R. Beagley, B. A. Boville, P. Braesicke, C. Bruhl, N. Butchart, M. P. Chipperfield, M. Dameris, R. Deckert, M. Deushi, S. M. Frith, R. R. Garcia, A. Gettelman, M. A. Giorgetta, D. E. Kinnison, E. Mancini, E. Manzini, D. R. Marsh, S. Matthes, T. Nagashima, P. A. Newman, J. E. Nielsen, S. Pawson, G. Pitari, D. A. Plummer, E. Rozanov, M. Schraner, J. F. Scinocca, K. Semeniuk, T. G. Shepherd, K. Shibata, B. Steil, R. S. Stolarski, W. Tian, and M. Yoshiki., 2007: Multimodel projections of stratospheric ozone in the 21st century, *J. Geophys. Res.*, **112**, D16205, doi:10.1029/2007JD008432.
- 85-2 *Kuroda, Y., M. Deushi and K. Shibata., 2007: Role of solar activity in the troposphere-stratosphere coupling in the southern hemisphere winter, *Geophys. Res. Lett.*, **34**, L21704, doi:10.1029/2007GL030983.
- 時枝隆之 87-1 時枝隆之, 石井雅男, 斉藤秀, 緑川貴, 2007: 大気および海水中の超微量六フッ化硫黄 (SF₆)の測定手法の高度化とSF₆標準ガスの長期安定性の評価, *気象研究所技術報告*, **51**, 33p.
- 永井智広 89-1 *Nakazato, M., T. Nagai, T. Sakai and Y. Hirose, 2007: Tropospheric ozone differential-absorption lidar using stimulated Raman scattering in carbon dioxide, *Applied Optics*, **46**, 2269-2279.
- 89-2 *Sakai, T., T. Nagai, M. Nakazato, T. Matsumura, N. Orikasa and Y. Shoji, 2007: Comparisons of the Raman lidar measurements of tropospheric water vapor profiles with radiosondes, hygrometers on the meteorological observation tower, and GPS at Tsukuba, Japan. *J. Atmos. Oceanic Technol.*, **24**, 1407-1423.
- 89-3 *Niwano, M., M. Takigawa, M. Takahashi, H. Akimoto, M. Nakazato, T. Nagai, T. Sakai and Y. Mano, 2007: Evaluation of Vertical Ozone Profiles Simulated by WRF/Chem Using Lidar-Observed Data, *SOLA*, **3**, 133-136.
- 仲江川敏之 90-1 *Nakaegawa, T., T. Tokuhiko, A. Itoh and M. Hosaka, 2007: Evaluation of Seasonal Cycles of Hydrological Processes in Japan Meteorological Agency Land Data Analysis, *Pap. Met. Geophys.*, **58**, 73-83.
- 90-2 Fujii, Y., T. Yasuda, T. Nakaegawa and M. Kamachi, 2008: Coupled Ocean and Atmosphere Simulation by Assimilating Ocean Observation Data to a Coupled Model, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 中里真久 92-1 *Nakazato, M., T. Nagai, T. Sakai and Y. Hirose, 2007: Tropospheric ozone differential-absorption lidar using stimulated Raman scattering in carbon dioxide, *Applied Optics*, **46**, 2269-2279.
- 92-2 *Sakai, T., T. Nagai, M. Nakazato, T. Matsumura, N. Orikasa, and Y. Shoji, 2007: Comparisons of the Raman lidar measurements of tropospheric water vapor profiles with radiosondes, hygrometers on the meteorological observation tower, and GPS at Tsukuba, Japan. *J. Atmos. Oceanic Technol.*, **24**, 1407-1423.
- 92-3 *Niwano, M., M. Takigawa, M. Takahashi, H. Akimoto, M. Nakazato, T. Nagai, T. Sakai and Y. Mano, 2007: Evaluation of Vertical Ozone Profiles Simulated by WRF/Chem Using Lidar-Observed Data, *SOLA*, **3**, 133-136.
- 中澤哲夫 93-1 *Wu, C.-C., K.-H. Chou, P.-H. Lin, S. D. Aberson, M. S. Peng and T. Nakazawa, 2007: The impact of dropsonde data on typhoon track forecasts in DOTSTAR, *Weather and Forecasting*, **22**, 1157-1176.
- 93-2 *Hoshino, S. and T. Nakazawa, 2007: Estimation of tropical cyclone's intensity using TRMM/TMI brightness temperature data, *J. Meteor. Soc. Japan*, **85**, 437-454.
- 93-3 *Sajani, S., T. Nakazawa, A. Kitoh and K. Rajendran, 2007: Ensemble simulation of Indian summer monsoon rainfall by an atmospheric general circulation model,

- J. Meteor. Soc. Japan*, **85**, 213-231.
- 93-4 *Nakazawa, T. and K. Rajendran, 2007: Relationship between tropospheric circulation over the western North Pacific and tropical cyclone approach/landfall on Japan, *J. Meteor. Soc. Japan*, **85**, 101-114.
- 93-5 Bessho, K., T. Nakazawa, S. Nishimura and K. Kato, 2008: The Possibility of Determining Whether Organized Cloud Clusters Will Develop into Tropical Storms by Detecting Warm Core Structures from Advanced Microwave Sounding Unit Observations, *Technical Review*, **10**, 13-29.
- 93-6 余田成男, 中澤哲夫, 山口宗彦, 竹内義明, 木本昌秀, 榎本剛, 岩崎俊樹, 向川均, 松枝未遠, 茂木耕作, 三好建正, 新野宏, 斉藤和雄, 瀬古弘, 小司禎教, 2008: 日本における顕著現象の予測可能性研究, *天気*, **55**, 2, 39-48.
- 中野俊也 94-1 *Nakano, T., I. Kaneko, T. Soga, H. Tsujino, T. Yasuda, H. Ishizaki and M. Kamachi, 2007: Mid-depth freshening in the North Pacific subtropical gyre observed along the JMA repeat and WOCE hydrographic sections, *Geophysical Research Letters*, **34**, L23608/2007GL031433.
- 94-2 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 94-3 *中野俊也, 2007: 北太平洋亜熱帯循環域の表層から中層における塩分場の変動とそのメカニズムに関する研究, *東北大学博士論文*.
- 中野英之 95-1 Wada, A., H. Niino and H. Nakano, 2007: Improvement of multi-limit entrainment parameterization from the results in an ocean global circulation model., *CAS/JSC Working Group on Numerical Experimentation Research Activities in Atmospheric and Oceanic Modelling*, **WMO/TD-No.1397**, 08-05.
- 95-2 Nakano, H., M. Hirabara, H. Tsujino and T. Motoi 2008: Development of the global ocean model with the resolution of $1^\circ \times 1/2^\circ$ and $1/8^\circ \times 1/12^\circ$, *CLIVAR Exchanges*, **44**, 11-13.
- 95-3 *Tsujino, H., Nakano, H. and T. Motoi 2008: Mechanism of currents through the Straits of the Japan Sea: Mean State and Seasonal Variation, *Journal of Oceanography*, **64**, 141-161.
- 中村誠臣 96-1 *Hashimoto, A., M. Murakami, T. Kato and M. Nakamura, 2007: Evaluation of the Influence of Saturation Adjustment with Respect to Ice on Meso-scale Model Simulations for the Case of 22 June, 2002. *SOLA*, **3**, 85-88.
- 96-2 *Wakazuki, Y., S. Kanada, C. Muroi, A. Hashimoto, T. Kato, M. Nakamura, A. Noda, M. Yoshizaki and K. Yasunaga, 2007: Regional Climate Projection Experiments on the Baiu Frontal Activity around the Japan Islands Using a Non-Hydrostatic Cloud-System-Resolving Model. *J. Earth Simulator*, **8**, 13-25.
- 96-3 *Nakamura, M., S. Kanada, Y. Wakazuki, C. Muroi, A. Hashimoto, T. Kato, A. Noda, M. Yoshizaki and K. Yasunaga, 2008: Effects of Global Warming on Heavy Rainfall During the Baiu Season Projected by a Cloud-System-Resolving Model. *J. Disaster Research*, **3**, 15-24.
- 萩野谷成徳 97-1 *K. Wang, Z. Wan, P. Wang, M. Sparrow, J. Liu and S. Haginoya, 2007: Evaluation and improvement of the MODIS land surface temperature/emissivity products using ground-based measurements at a semi-desert site on the western Tibetan Plateau, *International Journal of Remote Sensing*, **28**, 2549-2565.
- 橋本明弘 98-1 *Hashimoto, A., M. Murakami, T. Kato and M. Nakamura, 2007: Evaluation of the influence of saturation adjustment with respect to ice on meso-scale model simulations. *SOLA*, **3**, 85-88.
- 98-2 *Yasunaga, K., A. Hashimoto and M. Yoshizaki, 2008: Numerical simulations of

- the formation of melting-layer cloud, *Mon. Wea. Rev.*, **136**, 223-241.
- 98-3 *Wakazuki, Y., S. Kanada, C. Muroi, A. Hashimoto, T. Kato, M. Nakamura, A. Noda, M. Yoshizaki and K. Yasunaga, 2007: Regional climate projection experiments on the Baiu frontal activity around the Japan islands using a non-hydrostatic cloud-systems-resolving model, *J. Earth Sim.*, **8**, 13-25.
- 98-4 *Nakamura, M., S. Kanada, Y. Wakazuki, C. Muroi, A. Hashimoto, T. Kato, A. Noda, M. Yoshizaki, K. Yasunaga, 2008: Effects of Global Warming on Heavy Rainfall During the Baiu Season Projected by a Cloud-system-resolving Model, *J. Disaster Res.*, **3**, 15-24.
- 98-5 橋本明弘, 2008: 2 モーメント雲物理パラメタリゼーション, *数値予報課報告別冊*, **54**, 気象庁予報部, 81-92.
- 98-6 橋本明弘, 2008: 4-ICE 雲微物理過程の導入, *数値予報課報告別冊*, **54**, 気象庁予報部, 93-97.
- 98-7 加藤輝之, 坪木和久, 別所康太郎, 吉崎正憲, 沢田雅洋, 村田昭彦, 楠研一, 橋本明弘, 尾上万里子, 榎本剛, 山田広幸, 上田博, 2008: 第6回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **55**, 173-179.
- 林 修吾 99-1 林修吾, 2008: 解析解スキームの導入, *数値予報課報告別冊*, **54**, 気象庁予報部, 100-102.
- 99-2 林修吾, 荒波恒平, 山田芳則, 2008: 雲氷落下の導入と改良, *数値予報課報告別冊*, **54**, 気象庁予報部, 98-99.
- 99-3 吉崎正憲, 加藤輝之, 柳瀬亘, 楠研一, 林修吾, 別所康太郎, 沢田雅洋, 茂木交錯, 上田博, 山田広幸, 益子渉, 2007: 第5回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **54**, 705-710.
- 99-4 Kato, T. and S. Hayashi, 2007: Relation of Dec. 2005 heavy snowfall and cloud-top heights around the Japan-Sea side of the Japan Islands, estimated from objective analyses and forecasts of cloud-resolving model, *CAS/JSC Research Activities in Atmospheric and Oceanic Modeling*, **37**, 5.13-5.14.
- 99-5 *Kato, T., S. Hayashi and M. Yoshizaki, 2007: Statistical Study on Cloud Top Heights of Cumulonimbi Thermodynamically Estimated from Objective Analysis Data during the Baiu Season, *J. Meteor. Soc. Japan*, **85**, 529-557.
- 林 豊 100-1 *Koshimura, S., Y. Hayashi, K. Munemoto and F. Imamura, 2008: Effect of the Emperor seamounts on trans-oceanic propagation of the 2006 Kuril Island earthquake tsunami, *Geophysical Research Letters*, **35**(2), L02611, doi:10.1029/2007GL032129.
- 100-2 *Hayashi, Y., 2008: Extracting the 2004 Indian Ocean tsunami signals from sea surface height data observed by satellite altimetry, *Journal of Geophysical Research*, **113**(1), C01001, doi:10.1029/2007JC004177.
- 100-3 *Hayashi, Y., K. Hirata, T. Kuragano, T. Sakurai, H. Takayama, Y. Hasegawa and N. Hamada, 2007: Feasibility study on the potential of satellite altimetry for detecting seismic geoid changes due to the 2004 Sumatra-Andaman earthquake, *Earth, Planets and Space*, **59**(11), 1149-1153.
- 100-4 *林豊, 宇平幸一, 2008: 活火山カタログの改訂と火山活動度による活火山の分類(ランク分け)について, *験震時報*, **71**, 43-57.
- 100-5 *林豊, 宇平幸一, 2008: 最近一万年間の火山活動に基づく火山活動度指数による日本の活火山のランク分けについて, *験震時報*, **71**, 59-78.
- 100-6 林豊, 2008: 平成12年(2000年)三宅島噴火及び新島・神津島近海の地震活動調査報告: 地上気象観測からみた平成12年(2000年)三宅島噴火の仕組み, *気象庁技術報告*, **128**, 補稿1-10.
- 原 昌弘 101-1 斉藤和雄, 瀬古弘, 國井勝, 原昌弘, 原旅人, 山口宗彦, 2008: 2007年予備実験と今後の課題, *数値予報課報告別冊*, **54**, 248-254.

- 平田賢治 102-1 *Hayashi, Y., K. Hirata, T. Kuragano, T. Sakurai, H. Takayama, Y. Hasegawa and N. Hamada, 2007: Feasibility study on the potential of satellite altimetry for detecting seismic geoid changes due to the 2004 Sumatra-Andaman earthquake, *Earth, Planets and Space*, **59**(11), 1149-1153.
- 102-2 *Tanioka, Y., K. Satake and K. Hirata, 2007: Recurrence of recent large earthquakes along the Southernmost Kurile-Kamchatka Subduction Zone, *Geophysical Monograph Series*, **172**, American Geophysical Union, 145-152.
- 102-3 *平田賢治, 佐竹健治, 山木滋, 谷岡勇市郎, 山中佳子, 西村卓也, 2007: 目撃証言報告に基づく1952年十勝沖地震の津波波源の北東縁の検討, *地震*, **60**, 21-42.
- 102-4 *Seno, T. and K. Hirata, 2007: Did the 2004 Sumatra-Andaman Earthquake involve a component of tsunami earthquakes?, *Bull. Seismol. Soc. Am.*, **97**, S296-S306, doi: 10.1785/0120050615.
- 102-5 Hirata, K., K. Satake, Y. Tanioka and Y. Hasegawa, 2007: A Review on recent studies of tsunamis in the southernmost Kuril Trench, *Proceedings of International Workshop on Tsunami - Wave Propagation, Theory, Numerical Approach and Data Inversion*, Keio Univ., 221-235.
- 102-6 平田賢治, 岩崎伸一 (共同執筆), 2007: 第2章第4節「津波の観測」, 津波の辞典 (編) 首藤伸夫, 佐竹健治, 松富英夫, 今村文彦, 越村俊一, 朝倉書店.
- 平原幹俊 103-1 Nakano, H., M. Hirabara, H. Tsujino and T. Motoi 2008: Development of the global ocean model with the resolution of $1^\circ \times 1/2^\circ$ and $1/8^\circ \times 1/12^\circ$, *CLIVAR Exchanges*, **44**, 11-13.
- 廣瀬勝己 104-1 *Hirose, K., M. Aoyama, M. Fukasawa, C. S. Kim, K. Komura, P. P. Povinec and J. A. Sanchez-Cabeza, 2007: Plutonium and ^{137}Cs in surface water of the South Pacific Ocean, *Science of the Total Environment*, **381**, 243-255.
- 104-2 *Hirose, K., M. Aoyama, C. S. Kim, 2007: Plutonium in Seawater of the Pacific Ocean, *Journal of Radioanalytical and Nuclear Chemistry*, **274**(3), 635-638.
- 104-3 *Hirose, K., Y. Igarashi and M. Aoyama, 2007: Recent trends of plutonium fallout observed in Japan: Comparison with natural lithogenic radionuclides, thorium isotopes., *Journal of Radioanalytical and Nuclear Chemistry*, **273**(1), 115-118.
- 104-4 *Aoyama, M., K. Hirose, K. Nemoto, Y. Takatsuki and D. Tsumune, 2008: Water mass labeled with global fallout ^{137}Cs formed by subduction in North Pacific., *GEOPHYSICAL RESEARCH LETTERS*, **35**, L01604, doi:1029/2007GL031964.
- 104-5 *Inomata, Y., M. Chiba, Y. Igarashi, M. Aoyama and K. Hirose, 2007: Seasonal and spatial variations of enhanced gamma ray dose rates derived from ^{222}Rn progeny during precipitation in Japan, *Atmospheric Environment*, **41**, 8043-8057.
- 104-6 Aoyama, M. and K. Hirose, 2007: Radiometric determination of anthropogenic radionuclides in seawater, *Analysis of Environmental Radionuclides*, 137-162.
- 104-7 Aoyama, M., K. Fujii, K. Hirose, Y. Igarashi, K. Isogai, W. Nitta, H. Sartorius, C. Schlosser, W. Weiss, 2008: Establishment of a cold charcoal trap-gas chromatography-gas counting system for ^{85}Kr measurements in Japan and results from 1995 to 2006, *Technical Reports of the Meteorological Research Institute*, **54**, 107p.
- 104-8 廣瀬勝己, 五十嵐康人, 青山道夫, 2008: 日本におけるプルトニウム降下量: 半世紀の変遷, *Proceedings of the Eighth Workshop on Environmental Radioactivity*, **2007-3**, 82-88.

- 104-9 廣瀬勝己, 青山道夫, C. S. Kim and S. A. Kim, 2007: 南太平洋の海水中のプルトニウムの挙動について, *Journal of Nuclear and Radiochemical Sciences*, **8 Supplement**, 103.
- 弘瀬冬樹 105-1 長谷川昭, 中島淳一, 弘瀬冬樹, 2007: スラブ地殻内の相転移の深さと上面地震帯—短期的ゆっくり滑り・深部低周波微動の発生を規定?—, *月刊地球*, **29**, 364-375.
- 105-2 *弘瀬冬樹, 中島淳一, 長谷川昭, 2007: Double - Difference Tomography 法による西南日本の 3 次元地震波速度構造およびフィリピン海プレートの形状の推定, *地震*, **2**, 60, 1-20.
- 105-3 *岡田正実, 高山博之, 弘瀬冬樹, 内田直希, 2007: 地震長期発生確率予測に使用する更新過程対数正規分布モデルのパラメータ事前分布, *地震*, **2**, 60(2), 85-100.
- 105-4 *弘瀬冬樹, 中島淳一, 長谷川昭, 2007: Double - Difference Tomography 法による関東地方の 3 次元地震波速度構造およびフィリピン海プレートの形状の推定, *地震*, **2**, 60(3), 123-138.
- 105-5 *高山博之, 前田憲二, 弘瀬冬樹, 2008: 南海トラフ沿い大地震の開始位置に与えるプレート境界の形状の効果, *地震*, **2**, 60(4), 279-284.
- 福井敬一 106-1 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 有限要素法による火山性地殻変動の計算精度の確立, *気象研究所研究報告*, **58**, 1-15.
- 106-2 *坂井孝行, 山本哲也, 福井敬一, 藤原健治, 高木朗充, 中禮正明, 2007: 深さに比して相対的に大きな半径を有する球圧力源による地表面変位, *気象研究所研究報告*, **58**, 17-30.
- 106-3 地震火山研究部, 2008: 火山活動評価手法の開発研究, *気象研究所技術報告*, **53**.
- 藤井陽介 107-1 *Usui, N., H. Tsujino, Y. Fujii and M. Kamachi, 2008: Generation of a trigger meander for the 2004 Kuroshio large meander, *Journal of Geophysical Research - Oceans*, **113**, C01012, doi:10.1029/2007JC004266.
- 107-2 Tsujino, H. and Y. Fujii 2007 : Improved representation of currents and water masses in the upper layer of the North Pacific Ocean in eddy-resolving OGCMs, *CLIVAR Exchanges*, **42**, 19-21.
- 107-3 Fujii, Y., T. Yasuda, T. Nakaegawa, and M. Kamachi, 2008: Coupled Ocean and Atmosphere Simulation by Assimilating Ocean Observation Data to a Coupled Model, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 107-4 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui, and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 107-5 Soga, T., I. Ishikawa, S. Matsumoto, Y. Fujii, and T. Yasuda, 2008: New Ocean Data Assimilation System for monitoring ENSO at Japan Meteorological Agency, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 107-6 蒲地政文, 藤井陽介, 松本聡, Fabrice Hernandez, Christopher Maes, Tong Lee, 2007: GODAE の現状, *月刊「海洋」*, 総特集 Argo の現状と課題—海洋学の基盤としての Argo—, **39**, 422-428.
- 藤部文昭 108-1 *Fujibe, F. and N. Kitabatake, 2007: Classification of surface wind fields of tropical cyclones at landfall on the Japan main islands, *Journal of the Meteorological Society of Japan*, **85**(6), 747-765.
- 108-2 *Seko, H., Y. Shoji and F. Fujibe, 2007: Evolution and air flow structure of a Kanto thunderstorm on 21 July 1999 (the Nerima heavy rainfall event), *Journal of the Meteorological Society of Japan*, **85**(4), 455-477.
- 108-3 *Fujibe, F. and K. Kobayashi, 2007: Long-term changes in the spatial

- concentration of daily precipitation in Japan, *SOLA*, **3**, 53-56.
- 108-4 *Fujibe, F., N. Yamazaki, K. Kobayashi and H. Nakamigawa, 2007: Long-term changes of temperature extremes and day-to-day variability in Japan, *Pap. Met. Geophys.*, **58**, 63-72.
- 108-5 *Kitabatake, N., S. Hoshino, K. Bessho and F. Fujibe, 2007: Structure and Intensity Change of Typhoon Songda (0418) Undergoing Extratropical Transition, *Pap. Met. Geophys.*, **58**, 135-153.
- 108-6 Fujibe, F., 2008: Long-term changes in precipitation in Japan, *Journal of Disaster Research*, **3**, 51-60.
- 108-7 藤部文昭, 2007: 局地循環の多様性, *天気*, **54**(11), 971-973.
- 108-8 藤部文昭, 西田渉, 2007: 自然界の脅威を知る: 豪雨は本当に増えているの?, *土木学会誌*, **92**(7), 32-33.
- 別所康太郎 109-1 *Kitabatake, N., S. Hoshino, K. Bessho and F. Fujibe, 2007: Structure and Intensity Change of Typhoon Songda (0418) Undergoing Extratropical Transition, *Pap. Met. Geophys.*, **58**, 135-153.
- 109-2 吉崎正憲, 加藤輝之, 柳瀬亘, 楠研一, 林修吾, 別所康太郎, 沢田雅洋, 茂木耕作, 上田博, 山田広幸, 益子渉, 2007: 第5回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **54**, 705-710.
- 109-3 別所康太郎, 山田広幸, 益子渉, 茂木耕作, 2007: コロラド州立大学大気科学共同研究所(CSU/CIRA) 訪問記, *天気*, **54**, 753-756.
- 109-4 *Kitabatake, N. and K. Bessho, 2008: Cyclone phase of tropical cyclones landfalling in Japan during 2004-2006, *SOLA*, **4**, 21-24, doi:10.2151/sola.2008-006.
- 109-5 加藤輝之, 坪木和久, 別所康太郎, 吉崎正憲, 沢田雅洋, 村田昭彦, 楠研一, 橋本明弘, 尾上万里子, 榎本剛, 山田広幸, 上田博, 2008: 第6回「メソスケール気象と台風に関する国際会議(ICMCS-VI)」参加報告, *天気*, **55**, 173-179.
- 109-6 Bessho, K., T. Nakazawa, S. Nishimura, K. Kato, 2008: The Possibility of Determining Whether Organized Cloud Clusters Will Develop into Tropical Storms by Detecting Warm Core Structures from Advanced Microwave Sounding Unit Observations, *Technical Review*, **10**, 13-29.
- 保坂征宏 110-1 鬼頭昭雄, 保坂征宏, 上口賢治, 野原大輔, 2008: 気候変動が及ぼす流量変化の予測, *アジアの流域水問題*, 砂田憲吾編著 CREST アジア流域水政策シナリオ研究チーム著, 技報堂出版, 199-225.
- 110-2 *Nakaegawa, T., T. Tokuhiko, A. Itoh and M. Hosaka, 2007: Evaluation of Seasonal Cycles of Hydrological Processes in Japan Meteorological Agency Land Data Analysis, *Pap. Met. Geophys.*, **58**, 73-83.
- 110-3 *Hirai, M., T. Sakashita, H. Kitagawa, T. Tsuyuki, M. Hosaka and M. Oh'izumi, 2007: Development and Validation of a New Land Surface Model for JMA's Operational Global Model Using the CEOP Observation Dataset. *Journal of the Meteorological Society of Japan*, **85A**, 1-24.
- 星野俊介 111-1 *Kitabatake, N., S. Hoshino, K. Bessho and F. Fujibe, 2007: Structure and Intensity Change of Typhoon Songda (0418) Undergoing Extratropical Transition, *Pap. Met. Geophys.*, **58**, 135-153.
- 111-2 *Hoshino, S. and T. Nakazawa, 2007: Estimation of Tropical Cyclone's Intensity Using TRMM/TMI Brightness Temperature Data, *J. Meteor. Soc. Japan*, **85**(4), 437-454.

- 前田憲二 112-1 *高山博之, 黒木英州, 前田憲二, 2007: シミュレーションを用いた東南海・南海地震の発生順序について, *気象研究所研究報告*, **58**, 127-134.
- 112-2 *高山博之, 前田憲二, 弘瀬冬樹, 2008: 南海トラフ沿い大地震の開始位置に与えるプレート境界の形状の効果, *地震第2輯*, **60**(4), 279-284.
- 112-3 *甲斐玲子, 前田憲二, 高山博之, 2008: 想定震源域付近で地震が発生した場合の東海地震への影響, *験震時報*, **71**, 79-83.
- 112-4 前田憲二, 2008: 大地震によって励起される地震活動の評価, 地震活動のモデルと予測に関する研究, 共同研究レポート 211, 統計数理研究所, 99-106.
- 益子 涉 114-1 Mashiko, W., 2007: Numerical Simulation of tornado-producing supercell storm and tornado associated with Typhoon Shanshan(2006), *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **WMO/TD-No.1397**, 5.15-5.16.
- 114-2 *Mashiko, W., 2008: Formation Mechanism of a Low-Level Jet during the Passage of Typhoon Ma-on (2004) over the Southern Kanto District. *J. Meteor. Soc. Japan*, **86**, 183-202.
- 114-3 益子涉, 2007: 竜巻研究の最前線, *2007 年度日本気象学会九州支部「気象教室」*, 19-28.
- 114-4 吉崎正憲, 加藤輝之, 柳瀬亘, 楠研一, 林修吾, 別所康太郎, 沢田雅洋, 茂木耕作, 上田博, 山田広幸, 益子涉, 2007: 第5回「メソスケール気象と台風に関する国際会議」参加報告, *天気*, **54**, 705-710.
- 114-5 別所康太郎, 山田広幸, 益子涉, 茂木耕作, 2007: コロラド州立大学大気科学共同研究所(CSU/CIRA) 訪問記, *天気*, **54**, 753-756
- 増田一彦 115-1 *Masuda, K., 2008: Dependence of sea surface emissivity on temperature-dependent refractive index, *Quarterly Journal of the Royal Meteorological Society*, **134**, 541-545.
- 松枝秀和 116-1 Machida, T., H. Matsueda and Y. Sawa, 2007: A new JAL project: CONTRAIL Comprehensive Observation Network for Trace gases by AlrLiner, *IGAC Newsletter*, **37**, 23-30.
- 116-2 *Miyazaki, Y., Y. Kondo, S. Han, M. Koike, D. Kodama, Y. Komazaki, H. Tanimoto and H. Matsueda, 2007: Chemical characteristics of Water-soluble organic carbon in the Asian outflow, *Journal of Geophysical Research*, **112**, D22S30, doi:10.1029/2007JD009116.
- 116-3 *Wada, A., Y. Sawa, H. Matsueda, S. Taguchi, S. Murayama, S. Okubo and Y. Tsutsumi, 2007: Influence of Continental Air Mass Transport on Atmospheric CO₂ in the Western North Pacific, *J. Geophys. Res.*, **112**, D07311(1-12).
- 116-4 *Yonemura, S., S. Kawashima, H. Matsueda, Y. Sawa, S. Inoue and H. Tanimoto, 2008: Temporal variations in ozone concentrations deriveds from principal component analysis, *Theoretical and Applied Climatology*, **92**, 47-58.
- 116-5 *Tanimoto, H., H. Mukai, Y. Sawa, H. Matsueda, S. Yonemura, T. Wang, S. Poon, A. Wong, G. Lee, J. Y. Jung, K. R. Kim, M. H. Lee, N. H. Lin, J. L. Wang, C. F. Ou-Yang, C. F. Wu, H. Akimoto, P. Pochanart, K. Tsuboi, H. Doi, C. Zellweger an, 2007: Direct assessment of international consistency of standards for ground-level ozone: strategy and implementation toward metrological traceability network in Asia, *Journal of Environmental Monitoring*, **9**, 1183-1193.
- 116-6 *Miyaoka, Y., H. Y. Inoue, Y. Sawa, H. Matsueda and S. Taguchi, 2007: Diurnal and seasonal variations in atmospheric CO₂ in Sapporo, Japan: Anthropogenic sources and biogenic sinks, *Geochemical Journal*, **41**, 429-436

- 116-7 *Wada, A., Y. Sawa, H. Matsueda, S. Taguchi, S. Murayama, S. Okubo and Y. Tsutsumi, 2007: Influence of Continental Air Mass Transport on Atmospheric CO₂ in the Western North Pacific, *J. Geophys. Res.*, **112**, D07311(1-12).
- 116-8 *Sawa, Y., H. Tanimoto, S. Yonemura, H. Matsueda, A. Wada, S. Taguchi, T. Hayasaka, H. Tsuruta, Y. Tohjima, H. Mukai, N. Kikuchi, S. Katagiri and K. Tsuboi, 2007: Widespread pollution events of carbon monoxide observed over the western North Pacific during the EAREX2005 campaign, *Journal of Geophysical Research*, **112**, D22S26(1-19).
- 116-9 *Tanimoto, H., Y. Sawa, H. Matsueda, S. Yonemura, A. Wada, H. Mukai, T. Wang, S. Poon, A. Wong, G. Lee, J. Y. Jung, K. R. Kim, M. Lee, N. H. Lin, J. L. Wang, C. F. Ou-Yang and C.-F. Wu, 2007: Evaluation of standards and methods for continuous measurements of carbon monoxide at ground-based sites in Asia, *Pap. Met. Geophys.*, **58**, 85-93.
- 116-10 *Matsueda, H., T. Machida, Y. Sawa, Y. Nakagawa, K. Hirotsu, H. Ikeda, N. Kondo and K. Goto, 2008: Evaluation of atmospheric CO₂ measurements from new flask air sampling of JAL airliner observations. *Pap. Met. Geophys.*, **59**, 1-17.
- 116-11 松枝秀和, 石井雅男, 2007: 気象研究所における二酸化炭素の研究観測, *気象研究ノート*, **215**, 34-35.
- 116-12 町田敏暢, 松枝秀和, 澤庸介, 2008: 民間航空機を活用したアジア太平洋域上空における温室効果気体の観測, *地球環境保全試験研究費*, 地球環境保全試験研究費(地球一括計上)平成18年度研究成果報告集, 687-718.
- 116-13 松枝秀和(分担執筆), 2008: 地球温暖化観測における連携の促進を目指してー温室効果ガス・炭素循環および温暖化影響評価に係わる観測ー, *地球温暖化観測推進ワーキンググループ報告書*, 第1号, 1-181.
- 松本 聡 117-1 蒲地政文, 藤井陽介, 松本聡, Fabrice Hernandez, Christopher Maes, Tong Lee, 2007: GODAE の現状, *月刊「海洋」*, 総特集 Argo の現状と課題ー海洋学の基盤としての Argoー, **39**, 422-428.
- 117-2 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 117-3 Soga, T., I. Ishikawa, S. Matsumoto, Y. Fujii and T. Yasuda, 2008: New Ocean Data Assimilation System for monitoring ENSO at Japan Meteorological Agency, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 真野裕三 118-1 *Niwano, M., M. Takigawa, M. Takahashi, H. Akimoto, M. Nakazato, T. Nagai, T. Sakai and Y. Mano, 2007: Evaluation of Vertical Ozone Profiles Simulated by WRF/Chem Using Lidar-Observed Data, *SOLA*, **3**, 133-136.
- 馬淵和雄 119-1 馬淵和雄, 2007: 物理気候モデルへの陸域生態システムの導入とそれによる圏間相互作用研究, *物性研究*, **88**(4), 507-512.
- 三上正男 120-1 *Kurosaki, Y. and M. Mikami, 2007: Threshold wind speed for dust emission in east Asia and its seasonal variations, *Journal of Geophysical Research -Atmospheres-*, **112**, D17202, doi:10.1029/2006JD007988.
- 120-2 *三上正男, 2007: 日中共同プロジェクト ADECー風送ダストの大気中への供給量評価と気候への影響ー, *気象研究ノート*, **215**, 137-158.

- 水野孝則 121-1 水野孝則, 新野宏, 小林文明, 鈴木修, 加藤輝之, 坪木和久, 田村幸雄, 赤枝健治, 海老原智, 2007: 気象研究所主催「竜巻シンポジウム」報告, *天気*, **54**(10), 889-898.
- 緑川 貴 122-1 時枝隆之, 石井雅男, 斉藤秀, 緑川貴, 2007: 大気および海水中の超微量六フッ化硫黄 (SF_6)の測定手法の高度化と SF_6 標準ガスの長期安定性の評価, *気象研究所技術報告*, **51**, 33p.
- 村上正隆 123-1 Murakami, M., N. Orikasa, M. Hoshimoto, K. Kusunoki, M. Seki and A. Ikeda, 2007: Recent Japanese Activities in weather modification research, *9th WMO Scientific Conference on Weather Modification*, **WMP-No.44**.
- 123-2 *Lobl, E. S., K. Aonashi, B. Griffith, C. Kummerow, G. Liu, M. Murakami and T. Wilheit, 2007: Wakasa Bay – An AMSR precipitation validation campaign –, *Bull. Amer. Meteor. Soc.*, **88**, 551-558.
- 123-3 *Hashimoto, A., M. Murakami, T. Kato and M. Nakamura, 2007: Evaluation of the influence of saturation adjustment with respect to ice on meso-scale model simulations for the case of 22 June, 2002. *SOLA*, **3**, 85-88.
- 123-4 村上正隆, 2007: 人工降雨 –水資源管理の1手法を目指して–, *広報誌「国土交通」*, **7**, 56-57.
- 村田昭彦 125-1 Murata, A., 2007: A mechanism for heavy precipitation over mountainous region associated with typhoon Meari(2004), *Proc. the 6th Confe. on Polar Meso. and Typhoon in East Asia*, 131-137.
- 125-2 Wada, A., and A. Murata, 2007: Effect of horizontal resolution and sea surface cooling on simulations of tropical cyclones in case of Typhoon Namtheum (2004) by a coupled MRI tropical cyclone-ocean model, *CAS/JSC Working Group on Numerical Experimentation Research Activities in Atmospheric and Oceanic Modelling*, **WMO/TD-No.1397**, 09-09.
- 125-3 Murata, A, 2007: Entrainment and detrainment in numerically simulated cumulus clouds and their relationship to buoyancy, *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **37**, 4.15-4.16.
- 125-4 Murata, A, 2007: Precipitation efficiency in numerically simulated orographic rainfall associated with typhoon Meari (2004), *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **37**, 5.17-5.18.
- 125-5 加藤輝之, 坪木和久, 別所康太郎, 吉崎正憲, 沢田雅洋, 村田昭彦, 楠研一, 橋本明弘, 尾上万里子, 榎本剛, 山田広幸, 上田博, 2008: 第6回「メソスケール気象と台風に関する国際会議(ICMCS-VI)」参加報告, *天気*, **55**, 173-179.
- 125-6 Kohno, N. and A. Murata, 2007: The Impact of the Sea State on the Typhoon Intensity in Atmosphere-wave coupled model. *CAS/JSC WGNE Res. Activities in Atm. and Oceanic Modelling*, **37**, 4.13-4.14.
- 毛利英明 126-1 *Mouri, H., A. Hori and M. Takaoka, 2008: Fluctuations of statistics among subregions of a turbulence velocity field, *Physics of Fluids*, **20**, 035108.
- 126-2 *Takaoka, M., H. Mouri, A. Hori, Y. Kawashima, 2007: Isotropy and the Karman-Howarth- Kolmogorov relation in experimental and numerical turbulence, *Physical Review E*, **76**, 066312.
- 126-3 *Mouri, H., A. Hori and Y. Kawashima, 2007: Laboratory experiments for intense vortical structures in turbulence velocity fields, *Physics of Fluids*, **19**, 055101.
- 126-4 Arimitsu, T., N. Arimitsu, K. Yoshida, K. Yoshida and H. Mouri, 2008: Multifractal PDF analysis of energy dissipation rates in turbulence, *IUTAM Symposium on computational physics and new perspectives in turbulence*, 117-123.

- 126-5 Mouri, H., A. Hori and Y. Kawashima, 2008: Vortex tubes in turbulence velocity fields at high Reynolds numbers, *IUTAM Symposium on computational physics and new perspectives in turbulence*, 221-226.
- 126-6 毛利英明, 高岡正憲, 2008: 乱流統計量の大スケール揺らぎ, *ながれ*, **27**, 33-40.
- 本井達夫 127-1 *Kitoh, A., T. Motoi and S. Murakami, 2007: El Niño/Southern Oscillation Simulation at 6,000 yrs B.P. with the MRI-CGCM2.3: Effect of Flux Adjustment, *J. Climate*, **20**, 2484-2499.
- 127-2 Nakano, H., M. Hirabara, H. Tsujino and T. Motoi 2008: Development of the global ocean model with the resolution of $1^\circ \times 1/2^\circ$ and $1/8^\circ \times 1/12^\circ$, *CLIVAR Exchanges*, **44**, 11-13.
- 127-3 *Tsujino, H., Nakano, H. and T. Motoi 2008: Mechanism of currents through the Straits of the Japan Sea: Mean State and Seasonal Variation, *Journal of Oceanography*, **64**, 141-161.
- 安田珠幾 129-1 Yasuda, T., Y. Takaya, C. Kobayashi, M. Kamachi, H. Kamahori and T. Ose, 2007: Asian Monsoon Predictability in JMA/MRI Seasonal Forecast System, *CLIVAR Exchanges*, **43**, 18-24.
- 129-2 *Hasegawa, T., T. Yasuda and K. Hanawa, 2007: Generation mechanism of quasidecadal variability of upper ocean heat content in the equatorial Pacific Ocean, *Journal of Geophysical Research*, **112**, C08012, doi:10.1029/2006JC003755.
- 129-3 *Nakano, T., I. Kaneko, T. Soga, H. Tsujino, T. Yasuda, H. Ishizaki and M. Kamachi, 2007: Mid-depth freshening in the North Pacific subtropical gyre observed along the JMA repeat and WOCE hydrographic sections, *Geophysical Research Letters*, **34**, L23608/2007GL031433.
- 129-4 *Hasegawa, T., T. Yasuda and K. Hanawa, 2007: Multidecadal Variability of the Upper Ocean Heat Content Anomaly Field in the North Pacific and its Relationship to the Aleutian Low and the Kuroshio Transport, *Pap. Met. Geophys.*, **58**, 155-166.
- 129-5 Fujii, Y., T. Yasuda, T. Nakaegawa, and M. Kamachi, 2008: Coupled Ocean and Atmosphere Simulation by Assimilating Ocean Observation Data to a Coupled Model, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 129-6 Kamachi, M., S. Matsumoto, T. Nakano, Y. Fujii, N. Usui and T. Yasuda, 2008: Ocean Reanalysis and its Application to Water Mass Analyses in the Pacific, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 129-7 Soga, T., I. Ishikawa, S. Matsumoto, Y. Fujii, and T. Yasuda, 2008: New Ocean Data Assimilation System for monitoring ENSO at Japan Meteorological Agency, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 山崎明宏 132-1 *Uchiyama, A., A. Yamazaki, K. Matsuse and E. Kobayashi, 2007: Broadband shortwave calibration results for East Asian Regional Experiment 2005, *J. Geophys. Res.*, **112**, D22S34, doi:10.1029/2006JD008110.
- 132-2 *Takamura, T., N. Sugimoto, A. Shimizu, A. Uchiyama, A. Yamazaki, K. Aoki, T. Nakajima, B. J. Sohn and H. Takenaka, 2007: Aerosol radiative characteristics at Gosan, Korea, during the Atmospheric Brown Cloud East Asian Regional Experiment 2005, *J. Geophys. Res.*, **112**, D22S36, doi:10.1029/2007JD008506.
- 山崎 明 133-1 山崎明, 坂井孝行, 2007: ピエゾ磁気効果への地形の影響について-茂木モデルの場合

- , *Conductivity Anomaly* 研究会 2007年論文集, **57**, 175-181.
- 133-2 地震火山研究部, 2008: 火山活動評価手法の開発研究, *気象研究所技術報告*, **53**.
- 山里 平 134-1 Tsukui, M., Y. Kawanabe, K. Kazahaya, H. Yamasato and K. Niihori, 2007: Active Volcanoes on the Izu Arc : Izu-Oshima and Miyakejima, *FIELD TRIP GUIDBOOK*, A21-23.
- 134-2 山里平, 2007: 日本の活火山—その定義と活動度—, *科学*, **77**, 1256-1259.
- 山中吾郎 135-1 Yamanaka, G., 2008: A discrepancy between observed and OGCM-simulated trends in recent SSTs of the Indian Ocean: Apparent trends in atmospheric reanalysis data, *Third WCRP International Conference on Reanalysis Extended Abstract*.
- 山本剛靖 136-1 *Yamamoto, T., 2007: Continuous observation of crustal movement by the Japan Meteorological Agency, *Journal of the Geodetic Society of Japan*, **53**, 147-156.
- 行本誠史 137-1 *Yukimoto, S. and K. Kodera, 2007: Annular Modes Forced from the Stratosphere and Interactions with the Oceans, *Journal of the Meteorological Society of Japan*, **85**, 943-952.
- 137-2 *Itoh, H., A. Mori and S. Yukimoto, 2007: Independent Components in the Northern Hemisphere Winter: Is the Arctic Oscillation Independent?, *Journal of the Meteorological Society of Japan*, **85**, 825-846.
- 137-3 *Kodama, C., T. Iwasaki, K. Shibata and S. Yukimoto, 2007: Changes in the stratospheric mean meridional circulation due to increased CO₂: Radiation - and sea surface temperature - induced effects, *Journal of Geophysical Research*, **112**, **D16103**, doi:10.1029/2006JD008219.
- 137-4 *Kodera, K., Hori. E. M, S. Yukimoto and M. Sigmond, 2008: Solar modulation of the Northern Hemisphere winter trends and its implications with increasing CO₂, *GEOPHYSICAL RESEARCH LETTERS*, **35**, L03704.
- 吉田康宏 138-1 吉田康宏, 勝間田明男, 岩切一宏, 高濱聡, 國友孝洋, 熊澤峰夫, 増田俊明, 2007: 低周波アクロスによる東海監視 —静岡県森町—, *月刊地球*, **29**(8), 498-505.
- 吉村 純 139-1 *Kusunoki, S., J. Yoshimura, H. Yoshimura, R. Mizuta, K. Oouchi and A. Noda, 2008: Global Warming Projection by an Atmospheric Global Model with 20-km Grid, *Journal of Disaster Research*, **3**, 4-14.
- 139-2 Yoshimura, J. and K. Oouchi, 2007: Global warming and tropical storms -- Simulations using general circulation models. *Water-Related Disasters, Climate Variability and Change: Results of Tropical Storms in East Asia* (Editors T. Matsuura and R. Kawamura), Transworld Research Network, 91-104.
- 139-3 吉村純 (監修), 2007: 温暖化で凶暴になる台風 (K.E. トレンバース著), *日経サイエンス* 2007年10月号, 28-37.
- 139-4 吉村純 (監修), 2007: 温暖化で凶暴になる台風 (K.E. トレンバース著) (再録), *別冊日経サイエンス* **158** 温暖化危機 地球大異変 part 2, 26-35.
- 吉村裕正 140-1 *Kusunoki, S., J. Yoshimura, H. Yoshimura, R. Mizuta, K. Oouchi and A. Noda, 2008: Global Warming Projection by an Atmospheric Global Model with 20-km Grid, *Journal of Disaster Research*, **3**, 4-14.
- 和田章義 141-1 *Wada, A., 2007: Numerical Problems Associated with Tropical Cyclone Intensity Prediction Using a Sophisticated Coupled Typhoon-Ocean Model, *Pap. Met.*

- Geophys.*, **58**, 103-126.
- 141-2 *Wada, A. and N. Usui, 2007: Importance of tropical cyclone heat potential for tropical cyclone intensity and intensification in the western North Pacific, *J. Oceanogr.*, **63**, 427-447.
- 141-3 *Kawai, Y. and A. Wada, 2007: Diurnal sea surface temperature variation and its impact on the atmosphere and ocean: A review, *J. Oceanogr.*, **63**, 721-744.
- 141-4 Wada, A., H. Niino and H. Nakano, 2007: Improvement of multi-limit entrainment parameterization from the results in an ocean global circulation model, *CAS/JSC Working Group on Numerical Experimentation Research Activities in Atmospheric and Oceanic Modelling*, **WMO/TD-No.1397**, 08-05.
- 141-5 Wada, A. and A. Murata, 2007: Effect of horizontal resolution and sea surface cooling on simulations of tropical cyclones in case of Typhoon Namtheum (2004) by a coupled MRI tropical cyclone-ocean model, *CAS/JSC Working Group on Numerical Experimentation Research Activities in Atmospheric and Oceanic Modelling*, **WMO/TD-No.1397**, 09-09.