

PEER-REVIEWED PUBLICATIONS

- 17 • **Chen, S.-Y.**, Y.-H. Kuo, and C.-Y. Huang, 2020: The impact of GPS RO data on the prediction of tropical cyclogenesis. *Mon. Wea. Rev. in technical checking*.
- 16 • Hordyniec, P., C.-Y. Huang, C.-Y. Liu, W. Rohm, and **S.-Y. Chen**, 2019: GNSS radio occultation profiles in the neutral atmosphere from inversion of excess phase data. *Terr. Atmos. Oceanic Sci.*, **30**, 215-233.
- 15 • **Chen, S.-Y.**, H. Zhao, and C.-Y. Huang, 2018: Impacts of GNSS Radio Occultation Data on Predictions of Two Super-intense Typhoons with WRF Hybrid Variational-Ensemble Data Assimilation. *Journal of Aeronautics, Astronautics and Aviation*, **50(4)**, 347-364.
- 14 • Tseng, T.-P., **S.-Y. Chen**, K.-L. Chen, C.-Y. Huang, and W.-H. Yeh, 2018: Determination of near real-time GNSS satellite clocks for the FORMOSAT-7/COSMIC-2 satellite mission. *GPS Solutions*, **22:47**.
- 13 • Chen, X. M., S.-H. Chen, J. S. Haase, B. Murphy, K.-N. Wang, J.L. Garrison, **S.-Y. Chen**, C.-Y. Huang, L. Adhikari, and F. Xie, 2018: The impact of airborne radio occultation observations on the simulation of Hurricane Karl (2010). *Mon. Wea. Rev.*, **146**, 329-350.
- 12 • Tu, C.-C., Y.-L. Chen, **S.-Y. Chen**, Y.-H. Kuo, and P.-L. Lin, 2017: Impacts of including rain evaporative cooling in the initial conditions on the prediction of a coastal heavy rainfall event during TiMREX. *Mon. Wea. Rev.*, **145**, 253-277.
- 11 • Huang, C.-Y., **S.-Y. Chen**, S. K. A. V. Prasad Rao Anisetty, S.-C. Yang, and L.-F. Hsiao, 2016: An Impact Study of GPS Radio Occultation Observations on Frontal Rainfall Prediction with a Local Bending Angle Operator. *Wea. Forecasting*, **31**, 129-150.
- 10 • **Chen, S.-Y.**, T.-K. Wee, Y.-H. Kuo, and D. H. Bromwich, 2014: An impact assessment of GPS radio occultation data on prediction of a rapidly developing cyclone over the Southern Ocean. *Mon. Wea. Rev.*, **142**, 4187-4206.
- 9 • Yang, S.-C., S.-H. Chen, **S.-Y. Chen**, C.-Y. Huang, and C.-S. Chen, 2014: Evaluating the impact of the COSMIC RO bending angle data on predicting the heavy precipitation episode on 16 June 2008 during SoWMEX-IOP8. *Mon. Wea. Rev.*, **142**, 4139-4163.
- 8 • Zhang, X., Y.-H. Kuo, **S.-Y. Chen**, X.-Y. Huang, and L.-F. Hsiao, 2014: Parallelization Strategies for the GPS Radio Occultation Data Assimilation with a Nonlocal Operator in the Weather Research and Forecasting Model. *J. Atmos. Oceanic Technol.*, **31**, 2008-2014.
- 7 • Anisetty, S. K. A. V. P. R., C.-Y. Huang, and **S.-Y. Chen**, 2014: Impact of FORMOSAT-3/COSMIC radio occultation data on the prediction of super cyclone Gonu (2007): a case study. *Nat. Hazards*, **70**, 1209-1230.

- 6• Wee, T.-K., Y.-H. Kuo, D.-K. Lee, Z. Liu, W. Wang, **S.-Y. Chen**, 2012: Two Overlooked Biases of the Advanced Research WRF (ARW) Model in Geopotential Height and Temperature. *Mon. Wea. Rev.*, **140**, 3907-3918.
- 5• **Chen, S.-Y.**, C.-Y. Huang, Y.-H. Kuo and S. Sokolovskiy, 2011: Observational Error Estimation of FORMOSAT-3/COSMIC GPS Radio Occultation Data. *Mon. Wea.Rev.* **139**, 853-865.
- 4• Huang, C.-Y., Y.-H. Kuo, **S.-Y. Chen**, C.-T. Terng, F.-C. Chien, P.-L. Lin, M.-T. Kueh, S.-H. Chen, M.-J. Yang, C.-J. Wang, and A. S. K. A. V. Prasad Rao, 2010: Impact of GPS radio occultation data assimilation on regional weather predictions. *GPS Solut*, **14**, 35-49.
- 3• **Chen, S.-Y.**, C.-Y. Huang, Y.-H. Kuo, Y.-R. Guo and S. Sokolovskiy, 2009: Assimilation of GPS Refractivity from FORMOSAT-3/COSMIC Using a Nonlocal Operator with WRF 3DVAR and Its Impact on the Prediction of a Typhoon Event. *Terr. Atmos. Oceanic Sci.*, **20**, 133-154.
- 2• Kueh, M.-T., C.-Y. Huang, **S.-Y. Chen**, S.-H. Chen and C.-J. Wang 2009: Impact of GPS Radio Occultation Refractivity Soundings on a Simulation of Typhoon Bilis (2006) upon Landfall. *Terr. Atmos. Oceanic Sci.*, **20**, 115-131.
- 1• Huang, C.-Y., Y.-H. Kuo, **S.-Y. Chen**, A. S. K. A. V. Prasad Rao, and C.-J. Wang 2007: The assimilation of GPS radio occultation data and its impact on rainfall prediction along the west coast of India during monsoon 2002. *Pure Appl. Geophys.* **164**, 1577-1591.

NON-REFEREED PUBLICATIONS

- 58• Kuo, Y.-H., **S.-Y. Chen**, H.-F. Teng, and C.-Y. Huang, 2020: Impact of GPS Radio Occultation Data on the Prediction of Tropical Cyclogenesis, 34th Conference on Hurricanes and Tropical Meteorology, AMS, New Orleans, LA, 10-15 May.
- 57 • **Chen, S.-Y.**, 2020: Impact of Pacific observations on numerical weather prediction, *An expedition to the Pacific: Exploring the Earth, Ocean and Space with the Taiwan-Guam Transect (TGT) and the Pacific Array (PA)*, Taipei, 11 Feb.
- 56 • Kuo, Y.-H., **S.-Y. Chen**, H.-F. Teng, and C.-Y. Huang, 2020: Impact of GPS Radio Occultation Data on the Prediction of Tropical Cyclogenesis, 100th Annual Meeting, AMS, Boston, MA, 12-16 Jan.
- 55• **Chen, S.-Y.**, C.-Y. Huang, H.-W. Li, H.-H. Ho, C.-P. Shih, C.-Y. Huang, C.-P. Cheng, and Z. Liu, 2019: Verification and Application of FORMOSAT-3 and FORMOSAT-7 Radio Occultation Data, G21B-0725 presented at 2019 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

- 54 •Ho, S.-P., R. A. Anthes, H. Zhang, and **S.-Y. Chen**, 2019: Improving the impact of radio occultation observations on numerical forecasts of tropical cyclones, *JCSDA quarterly*, **62**, Winter 2019, 11-17. DOI:10.25923/w2dh-ep66
- 53 •**Chen, S.-Y.**, 2019: FORMOSAT-7 Data Validation and Assimilation. *3rd FORMOSAT-7 Calibration/Validation working group meeting*. 21 Oct. 2019, Taipei, Taiwan.
- 52• **Chen, S.-Y.**, C.-P. Shih, C.-Y. Huang, H.-W. Li, Z. Liu, and W.-H. Teng, 2019: Typhoon predictions with GNSS RO data assimilation in the MPAS-GSI system. *2019 Severe Weather and TAHOPE Planning workshop*. 14-15 Oct. 2019, Taipei, Taiwan.
- 51 •**Chen, S.-Y.**, 2019: Cal/Val updated from TDPC and the application in NWP. *2nd Cal/Val working group meeting*. 10-11 Sept. 2019, College Park, MD., USA.
- 50 •**Chen, S.-Y.**, 2019: Impact of GNSS RO Data Assimilation on Cyclone Forecast. *Taiwan-Poland Scientific Workshop*. 20 Mar. 2019, Taoyuan City, Taiwan.
- 49• **Chen, S.-Y.**, C.-P. Shih, C.-Y. Huang, Z. Liu, C. Schwartz, W.-H. Teng, and H.-W. Li, 2019: Numerical simulation of typhoon Nepartak (2016) using the MPAS-GSI system. *International Conference on Mesoscale Convective Systems and High-Impact Weather in East Asia (ICMCS-XIII)*, 6-8 Mar. 2019, Okinawa, Japan.
- 48 •**Chen, S.-Y.**, C.-P. Shih, C.-Y. Huang, Z. Liu, W.-H. Teng, J.-H. Chen, and H.-W. Li, 2019: Assimilation of GNSS RO Data by the MPAS-GSI. *Atmospheric Sciences Discipline Presentation*, 15-16 Feb. 2019, Taoyuan City, Taiwan.
- 47• Tu, C.-C., Y.-L. Chen, **S.-Y. Chen**, B. Kuo, P.-L. Lin, 2018: Impacts of including rain-evaporative cooling in the initial conditions on the prediction of a coastal heavy rainfall event during TiMREX. *15th Annual Meeting Asia Oceania Geosciences Society (AOGS)*, 3-8 Jun. 2018, Hawaii.
- 46 •**Chen, S.-Y.**, C.-P. Shih, C.-Y. Huang, W.-H. Teng, and Y.-C. Huang, 2018: The GNSSRO Data Impact on the Prediction of Typhoon Nepartak (2016) by MPAS-GSI Model. *15th Annual Meeting Asia Oceania Geosciences Society (AOGS)*, 3-8 Jun. 2018, Hawaii.
- 45• **Chen, S.-Y.**, C.-P. Shih, C.-Y. Huang, W.-H. Teng, and Y.-C. Huang, 2018: The GNSSRO data impact on the typhoon predictions by MPAS-GSI model. *4th International Conference on GPS Radio Occultation in 2018 and 11th FORMOSAT-3/COSMIC Data Users' Workshop*, 18-20 April, Taipei, Taiwan.
- 44• Huang, C.-Y., W.-H. Yeh, T.-P. Tseng, K.-L. Chen, **S.-Y. Chen**, and H.-H. Ho, 2018: Taiwan radio occultation process system (TROPS). *4th International Conference on GPS Radio Occultation in 2018 and 11th FORMOSAT-3/COSMIC Data Users' Workshop*, 18-20 April, Taipei, Taiwan.
- 43• **Chen, S.-Y.**, C.-P. Shih, W.-H. Teng, Y.-C. Huang, and C.-Y. Huang, 2017: The

- GNSSRO data impact on the prediction of Typhoon Nepartak (2016) by MPAS-GSI model. *2017 MPAS Workshop*, 27-28 Nov. 2017, Taipei, Taiwan. (invited talk)
- 42• **Chen, S.-Y.**, Y.-H. Kuo, and C.-Y. Huang, 2017: The impact of GPS RO data on prediction of tropical cyclogenesis: observational operators. *International Conference on Mesoscale Convective Systems and High-Impact Weather in East Asia (ICMCS-XII)*, 17-20 Oct. 2017, Taipei, Taiwan.
- 41• Shih, C.-P., **S.-Y. Chen**, and C.-Y. Huang, 2017: The impact of GPS RO Data Assimilation on Typhoon Nepartak (2016). *International Conference on Mesoscale Convective Systems and High-Impact Weather in East Asia (ICMCS-XII)*, 17-20 Oct. 2017, Taipei, Taiwan. (Student Poster)
- 40• **Chen, S.-Y.**, C.-Y. Huang, C.-P. Shih, W.-H. Teng, and H.-W. Li, 2017: The GPS RO Data Assimilation in the Global MPAS-GSI Model. *Joint COSMIC 10th Data Users' Workshop and IROWG-6 Meeting*, 21-27 Sept. 2017, CO. USA.
- 39• **Chen, S.-Y.**, C.-Y. Huang, C.-P. Shih, W.-H. Teng, and H.-W. Li, 2017: A Preliminary Result of the Global MPAS-GSI Model on the Typhoon Predictions. *14th Annual Meeting Asia Oceania Geosciences Society (AOGS)*, 6-11 Aug. 2017, Singapore.
- 38• Su, Y.-R., C.-Y. Huang, and **S.-Y. Chen**, 2017: Typhoon Predictions with a Dynamic Vortex Initialization. *2017 APEC Typhoon Symposium-The Challenges and Opportunities for Typhoon and Flood Forecasting*, 2-4 May 2017, Taipei, Taiwan. (Student poster)
- 37• **Chen, S.-Y.**, C.-Y. Huang, C.-P. Shih, W.-H. Teng, H.-W. Li, 2017: The Influence of GNSS-RO Data in the Global Model (MPAS-GSI). *Atmospheric Sciences Discipline Presentation*, 9-10 Feb. 2017, Miaoli, Taiwan.
- 36• 黃成勇、曾子榜、葉文豪、陳舒雅、李修文、陳坤林, 2017: 福衛七號掩星處理軟體TROPS簡介(中性大氣層). 2017大氣科學學門研究成果發表會, 2017/2/9-10, 苗栗.
- 35 • **Chen, S.-Y.**, Y.-H. Kuo, and C.-Y. Huang, 2016: The Impact of GPS RO data on Prediction of Cyclogenesis: Observation Operators. *2016 Taiwan Geosciences Assembly (TGA)*. May 16-20, 2016, Taipei, Taiwan.
- 34 • **Chen, S.-Y.**, Y.-H. Kuo, and C.-Y. Huang, 2016: The Impact of GPS RO data on Prediction of Cyclogenesis: Observation Operators. *3rd International Conference on GPS Radio Occultation in 2016*. Mar. 9-11, 2016, Taipei, Taiwan.
- 33• Huang, C.-Y., C. Hong, and **S.-Y. Chen**, 2016: Impacts of GPS Radio Occultation Data on Prediction of Typhoons Megi and Haiyan using WRF 3DVAR/EnKF Hybrid. *3rd International Conference on GPS Radio Occultation in 2016*. Mar. 9-11, 2016, Taipei, Taiwan.

- 32• Kuo, Y.-H., H. Liu, C.-Y. Huang, **S.-Y. Chen**, L.-F. Hsiao, M.-E. Hsieh, and Y.-C.Chen, 2016:Impact of COSMIC GPS Radio Occultation Data on Tropical Cyclone Prediction. *3rd International Conference on GPS Radio Occultation in 2016*. Mar.9-11, 2016, Taipei, Taiwan.
- 31• Hsieh, M.-E., Y.-C. Chen, H. Liu, **S.-Y. Chen**, L.-F. Hsiao, and Y.-H. Kuo, 2016: Impact of Physically-Based Quality Control Procedures for GPS RO Data on Typhoon Forecast. *3rd International Conference on GPS Radio Occultation in 2016*. Mar. 9-11, 2016, Taipei, Taiwan.
- 30 •X. M. Chen, S.-H. Chen, J. S. Haase, b. J. Murphy, K. N. Wang, J. L. Garrison, L. Adhikari, F. Xie, **S.-Y. Chen**, C.-Y. Huang, 2016: A study on airborne radio occultations and their impact on severe weather prediction. *3rd International Conference on GPS Radio Occultation in 2016*. Mar. 9-11, 2016, Taipei, Taiwan. (Poster)
- 29 **Chen, S.-Y.**, C.-Y. Huang, W. Wang, P.-J. Chiang, C.-C. Dung, 2016: The impact of GPS RO Data on Typhoon Predictions by GSI-MPAS. *Atmospheric Sciences Discipline Presentation*, 28 Feb. 2016, Taichung.
- 28 •**Chen, S.-Y.**, Y.-H. Kuo, and X. Zhang, 2014: Assimilation of GPS RO data using a nonlocal excess phase operator and its impact on typhoon prediction. *Eighth FORMOSAT-3/COSMIC data users' workshop*. Sept. 30-Oct. 2, 2014, Boulder, CO.(Poster)
- 27• Chen, X.-M., S.-H. Chen, J. Haase, **S.-Y. Chen**, and C.-Y. Huang, 2014: Airborne radio occultation: a set of observing system simulation experiments (OSSE). *Eighth FORMOSAT-3/COSMIC data users' workshop*. Sept. 30-Oct. 2, 2014, Boulder, CO. (Student Poster)
- 26• Bromwich, D. H., **S.-Y. Chen**, A. B. Wilson, Y.-H. Kuo, Z. Liu, H.-C. Lin, and T.-K. Wee, 2014: A review of the impact of GPS-RO assimilation on weather analysis and prediction in the Southern Ocean and Antarctica. Presented at *eighth FORMOSAT-3/COSMIC data users' workshop*. Sept. 30-Oct. 2, 2014, Boulder, CO.
- 25• Wilson, A. B., D. H. Bromwich, Z. Liu, Y.-H. Kuo, **S.-Y. Chen**, H.-C. Lin, and T.-K. Wee, 2014: Improving surface pressure determination over Antarctica using GPS RO. *Eighth FORMOSAT-3/COSMIC data users' workshop*. Sept. 30-Oct. 2, 2014, Boulder, CO. (Student Poster)
- 24• Huang, X.-Y., X. Zhang, Z. Liu, T. Auligné, J. Sun, H. Wang, M. Kavulich, Jr., S. R. H.Rizvi, Y.-R. Guo, J. Ban, J. Liu, G. Descombes, H.-C. Lin, C. Schwartz, F. Gao, D. Xu,**S.-Y. Chen**, Y. Zhang, W.-X. Tong, E. Vendraasco, 2014: The 2014 WRFDA overview. Presented at *15th Annual WRF Users' Workshop*, June 24-28, Boulder,CO.

- 23• Chen, X.-M, S.-H. Chen, **S.-Y. Chen**, and C.-Y. Huang, 2014: Assimilation of nonlocal radio occultation measurements and its impact on WRF model prediction of Hurricane Earl in 2010. Presented at *31st Conference on Hurricanes and Tropical Meteorology*, March 30-April 4, 2014, San Diego, CA.
- 22 •Huang, X.-Y., X. Zhang, Z. Liu, T. Auligné, H. Wang, M. Kavulich, Jr., S. R. H. Rizvi, Y.-R. Guo, J. Liu, G. Descombes, H.-C. Lin, C. Schwartz, F. Gao, D. Xu, **S.-Y. Chen**, 2013: The 2013 WRFDA overview. Presented at *14th Annual WRF Users' Workshop*, June 24-28, Boulder, CO.
- 21• Almanza, V., R. A. Anthes, Y. H. Kuo, **S. Y. Chen**, C. J. Wang, W. S. Schreiner, and D.C. Hunt, 2013: Role of sensible and latent heat fluxes from the ocean in the genesis of Tropical Cyclone Nargis (2008). Presented at *93rd AMS Annual Meeting*, January 5-10, 2013. Austin, Texas.
- 20• Yang, S.-C., **S.-Y. Chen**, C.-S. Chen, and C. Huang, 2013: Evaluating the impact of the COSMIC-RO bending angle data on predicting the heavy precipitation episode during SoWMEX-IOP8. Presented at *93rd AMS Annual Meeting*, January 5-10, 2013. Austin, Texas.
- 19• **Chen, S.-Y.**, Y.-H. Kuo, H. Liu, and Y.-R. Guo, 2012a: Assimilations of GPS radio occultation data with vertical thinning. Presented at *Sixth FORMOSAT-3/COSMIC Data Users' Workshop*, October 30 - November 1, 2012. Boulder, Colorado.
- 18 •**Chen, S.-Y.**, T.-K. Wee, Y.-H. Kuo, and D. H. Bromwich, 2012b: Impact of GPS radio occultation data on the analysis and prediction of an intense synopticscale storm over the Southern Ocean near the Antarctic Peninsula. Presented at *Sixth FORMOSAT-3/COSMIC Data Users' Workshop*, October 30 - November 1, 2012. Boulder, Colorado.
- 17• Haase, J. S., B. Murphy, X. M. Chen, S.-H. Chen, P. Muradyan, F. G. Nievinski, K. M. Larson, J. L. Garrison, E. K. Wang, and **S.-Y. Chen**, 2012: Preliminary results from the retrieval and assimilation of GPS radio occultation refractivity observations during tropical storm development. Presented at *AGU Fall Meeting*, December 3-7, 2012. San Francisco, California.
- 16• Hsieh, M.-E., L.-Y. Chang, L.-F. Hsiao, T. Iwabuchi, **S.-Y. Chen**, Y.-H. Kuo, and Y.-R. Guo, 2012: Impact of quality control and data thinning of GPS RO data in WRFVar on typhoon track forecast. Presented at *Sixth FORMOSAT-3/COSMIC Data Users' Workshop*, October 30 - November 1, 2012. Boulder, Colorado.
- 15 •Tu, C.-C., Y.-L. Chen, Y.-H. Kuo, and **S.-Y. Chen**, 2012: Data assimilation of COSMIC GPS Radio Occultation (RO) soundings impacts on the rainfall simulation of a Mei-Yu event during TiMRES (2008). Presented at *Sixth FORMOSAT-3/COSMIC Data Users' Workshop*, October 30 - November 1, 2012.

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- 14 •Almanza, V., R. Anthes, **S.-Y. Chen**, D. Hunt, Y.-H. Kuo, W. Schreiner, and C.-J. Wang, 2012: Role of sensible and latent heat fluxes from the ocean in the genesis of Cyclone Nargis (2008). *Sixth FORMOSAT-3/COSMIC Data Users' Workshop*. October 30– November 01, 2012. Boulder, Colorado U.S.A. (Poster)
- 13• **Chen, S.-Y.**, T.-K. Wee, Y.-H. Kuo, and D. H. Bromwich, 2012: Impact of COSMIC data on a synoptic-scale cyclone over the west Antarctica. Presented at *International Radio Occultation Working Group (IROWG) 2nd Workshop*, March 28 – April 3, 2012. Estes Park, Colorado. (Poster)
- 12 •**Chen, S.-Y.**, C.-Y. Huang, Y.-H. Kuo, and S. Sokolovskiy 2010: Observational Error Estimation of FORMOSAT-3/COSMIC GPS Radio Occultation Data. *Joint OPAC-4 & GRAS-SAF Climate & IROWG-1 Workshop*, September 6-11, 2010, Graz, Austria.
- 11• **Chen, S.-Y.**, C. Y. Huang, and Y. H. Kuo 2009: The Impact of GPS Radio Occultation Data on Typhoon Prediction: An OSSE Study of Typhoon Shanshan (2006). *The 89th AMS Annual Meeting-13th Conference of IOAS-AOLS*, January 10-16, 2009,Phoenix, 13.4, U.S.A.
- 10 •**Chen, S.-Y.**, Y.-R. Guo, C.-T. Fong, Y.-H. Kuo, C.-T. Terng, and P. Chi 2009: The Impacts of FORMOSAT-3/COSMIC Data on Regional Weather Predictions. *Workshop on OSSE for the FORMOSAT-3/COSMIC Follow-on Mission*, September 3-4, 2009, Taipei, Taiwan.
- 9• Guo, Y.-R., **S.-Y. Chen**, C.-T. Fong, Y.-H. Kuo, C.-T. Terng, and P. Chi 2009: The Impacts of FORMOSAT-3/COSMIC Data on Regional Weather Predictions. *Fourth FORMOSAT-3/ COSMIC Data Users Workshop*, October 27-29, 2009, Boulder, Colorado, U.S.A.
- 8 •陳舒雅, 郭永潤, 馮欽賜, 郭英華, 滕春慈, 潘琦, 2009: 福衛三號資料對於區域天氣預報之影響. 天氣分析與預報研討會, September 8-10, 2009,台北, 52-55, 臺灣.
- 7• **Chen, S.-Y.**, C. Y. Huang, and Y. H. Kuo 2008: Assimilation of COSMIC GPS RO soundings with WRF3DVAR and its impact on the prediction of Typhoon Shan Shan (2006). *The 88th AMS Annual Meeting-12th Conference of IOAS-AOLS*, January 20-24, 2008, New Orleans, 11.1, U.S.A
- 6• **Chen, S.-Y.**, C.-Y. Huang, and Y.-H. Kuo 2007: Assimilation of COSMIC GPS RO soundings with WRF 3DVAR and its impact on the prediction of Typhoon Shanshan (2006). *Third Capacity Building Workshop of Space Science for Southeast Asian Scientists*, October 29 – November 6, 2007, Jhung-Li, Taiwan.
- 5• **Chen, S.-Y.**, C.-Y. Huang, Y.-H. Kuo, Y.-R. Guo and S. Sokolovskiy 2007: Simulation of a Typhoon Event with Assimilated GPS Refractivity from

FORMOSAT-3/COSMIC Using a Nonlocal Operator of WRF 3DVAR, 2007
Taiwan Geosciences Assembly (TGA), May 15-18, 2007, Taoyuan, A1-4B-01 66-69, Taiwan.

- 4 • **Chen, S.-Y.**, C.-Y. Huang, Y.-H. Kuo, Y.-R. Guo and S. Sokolovskiy 2006: Typhoon predictions with GPS radio occultation data assimilation using WRF 3DVAR with local and nonlocal operators. *First Formosat-3/COSMIC Data Users Workshop*, Boulder, Colorado, U.S.A.
- 3 • **Chen, S.-Y.**, Y.-H. Kuo, S. Sokolovskiy, and C.-Y. Huang 2005: Estimation of observational errors of GPS radio occultation soundings. *Second GPS RO Data Users' Workshop*, August 22-24 2005, Lansdowne, Virginia, U.S.A. (Poster)
- 2 • 陳舒雅, 2002: 地形對颱風路徑的影響之數值探討. 第三屆全國大氣科學研究生學術研討會, 台北, 143-146, 臺灣.
- 1 • 陳舒雅, 黃清勇, 2002: 地形對颱風路徑的影響之數值探討. 海峽兩岸大氣科學研究生學術研討會, 台北, 49-52, 臺灣.