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研究領域：大地測量、衛星測量、地殼變形

[學歷]

- 1997/09 - 2001/10 : 澳洲新南威爾斯大學 測量與空間資訊系 博士 (School of Surveying and Spatial Information Systems, the University of New South Wales, Sydney, Australia)
- 1988/09 - 1990/06 : 國立成功大學 航空測量研究所 碩士
- 1980/09 - 1984/06 : 國立成功大學 測量工程學系 學士

[經歷]

- 2016/07/11~ : 中央研究院 地球科學研究所 研究技師
- 2009/06 至 2016/07 : 中央研究院 地球科學研究所 研究副技師
- 1991/09 至 2009/06 : 中央研究院 地球科學研究所 研究助技師
- 1986/08 至 1987/08 : 中央研究院 地球科學研究所 約用研究助理

[技術專長]

- 大地測量網形規劃、資料處理、分析
- 測量儀器之調校、率定
- 支援特定研究計畫相關之儀器操作、技術移轉
- 高精度中長距離之 GPS 衛星定位原理，及其限制
- 氣象因素 (atmospheric bias) 之預估，以幫助中長距離之 GPS 衛星週波未定值 (ambiguity resolution) 的求解
- 高精度中長距離系統誤差之率定，如多路徑效應 (multipath) 等
- 比較各種高精度中長距離之單歷元解 (single epoch solution) 的精確度及穩定性
- 引進新開發之高精度中長距離計算軟體 (如 Crnet by Prof. Bock 、Condor by Dr. Remondi) ，並調整、分析其應用於研究地區之適用性

[主要工作經驗]

- 1984-1986 : 於聯勤測量隊期間，參與台灣南部海岸地區地形控制測量；台灣東部縱谷地區地形測量；台灣台北地區控制測量。
- 1986-1990 : 於中央研究院約用研究助理期間，參與台灣地區地殼變形監測計畫，如花蓮、瑞穗、玉里、池上、台東精密三邊網量測工作以及精密水準測量工作；於測量研究所研讀期間參與台北市捷運局地下數值地形研究之助理工作。

- 1990-1997：參與台灣地區 GPS 測量野外工作、GPS 資料處理、應變計算，並協助完成”台灣地區地殼變動速度場”之計算分析工作。
- 1997-2001：GPS 觀測之系統誤差研究如天線相位中心率定；低費用高精度之 GPS 多參考台站之定位精度研究；即時之中長距離精密定位之研究，其中系統誤差研究，以相對定位精度而與距離有關的大氣因素如對流層、電離層誤差為主。
- 2001-2003：野外工作之規劃與執行，支援特定計劃的工作如池上地區大地測量、鹿野地區加密測量，延續即時高解析度 GPS 資料分析研究，並希望結合高解析度 GPS 資料與地震資料或井下應變儀資料，以提供更多的資訊。
- 2003-2006：主要執行國科會專題研究計畫，監測台灣東部近斷層潛移研究，並支援特定計劃的工作如池上地區大地測量、鹿野地區加密測量，及其他技術支援

[考試]

1. 1984 公務人員測量普考
2. 1985 測量技師高考
3. 1990 公務人員測量高考

[榮譽]

- 1998 年 Co-winner of the Outstanding Student Paper Award in the Geodesy Sessions for West Pacific Geophysics Meeting, held in Taipei, Taiwan, July 1998
- 2000 年 selected as U.S. Institute of Navigation's student prizewinners to attend the world's premier GPS conference, the 13th International Technical Meeting of the Satellite Division of the US Institute of Navigation (ION2000), Salt Lake City, Utah, 19-22 September.
- 2001 年 ISI Citation Classic Award 引文獎
- 2006 年 TAO 2003-2004 Outstanding Paper Award.

[著作]

主要研究成果說明：

(A) 期刊論文：

Refereed Papers:

1. Yu, S.B., **H.Y. Chen**, and L.C. Kuo, (1997), Velocity field of GPS stations in the Taiwan area : *Tectonophysics*, 274, 41-59. (SCI)
2. Yu, S.B., and **H.Y. Chen**, (1998), Strain accumulation in southwestern Taiwan: *TAO*, 9, 31-50.
3. Yu, S.B., **H.Y. Chen**, L.C. Kuo, C.S. Hou, and J.F. Lee, (1999), Geodetic observations of fault activities in the Taipei basin: *Central Geological Survey Special Publication No. 11*, 227-251 (in Chinese).
4. Ge, L., **H.Y. Chen**, L. Dai, S. Han, C. Rizos, Y. Ishikawa, and Y. Hatanaka, (1999), Comprehensive Densification of Continuous GPS Measurements. *Geomatics Research Australia*, 71, 117-118.
5. Ge, L., **H.Y. Chen**, S. Han, and C. Rizos, (2000), Adaptive filtering of continuous GPS results. *Journal of Geodesy*, 4 (7/8), 572-580. (SCI)

6. Rizos, C., S. Han, and **H.Y. Chen**, (2000), Regional-scale multiple reference stations for real-time carrier phase-based GPS positioning: a correction generation algorithm. *Earth, Planets and Space*, 52(10), 795-800. (SCI)
7. Rizos, C., S. Han, L. Ge, **H.Y. Chen**, Y. Hatanaka, and K. Abe, (2000), Low-cost densification of permanent GPS networks for natural hazard mitigation: first tests on GSI's Geonet network. *Earth, Planets and Space*, 52(10), 867-871. (SCI)
8. **H.Y. Chen**, C. Rizos, S. Han, (2001), From simulation to implementation: low-cost densification of permanent GPS networks in support of geodetic applications. *Journal of Geodesy*, 75(9/10), 515526. (SCI)
9. 李建成、朱啟祖、安朔葉、胡植慶、余水倍、陳宏宇、鄭富書、林正洪、饒瑞鈞、周錦德、張勝雄、姜國彰, (2002), 從地殼變形與斷層活動討論地震災害潛在性：花東縱谷池上活斷層的研究。地質，21卷第二期，31-52。
10. 陳宏宇、郭隆晨、莊王熊、余水倍, (2003), 中長距離高精度 GPS 動態定位應用於強地動的研究。地籍測量，22卷第三期，24-40。
11. Hsu, Y.J., M. Simons, S.B. Yu, L.C. Kuo, and **H.Y. Chen**, (2003), A two-dimensional dislocation model for interseismic deformation of the Taiwan mountain belt: *Earth Planet. Sci. Lett.*, 211, 287-294. (SCI)
12. **Chen, H.Y.**, L.C. Kuo, W.S., Chuang, and S.B. Yu, (2003), Using Quasi Ionosphere-Free postprocessing algorithm on the medium-range kinematic high accuracy GPS relative positioning, *Wuhan University Journal of Natural Sciences*, 8(2B), 610-618.
13. Yu, S.B., Y.J. Hsu, L.C. Kuo, **H.Y. Chen**, and C.C. Liu, (2003), GPS measurement of postseismic deformation following the 1999 Chi-Chi, Taiwan, earthquake: *J. Geophys. Res.*, 108(B11), 2520, doi:10.1029/2003JB002396. (SCI)
14. Hwang, C.W., L. H. Lee, S.B. Yu, and **H.Y. Chen**, (2004), Single and multi-epoch analyses of GPS baseline network: Application to coordinate and velocity determinations in central Taiwan: *Journal of Surveying Engineering*, 130(2), 86-94. (SCI)
15. **Chen H.Y.**, C. Rizos, and S. Han, (2004), An instantaneous ambiguity resolution procedure suitable for medium-scale GPS reference station networks. *Survey Review*, 37(291), 396-410. (SCI)
16. **Chen H. Y.**, L. C. Kuo, and S. B. Yu, (2004), Coseismic movement and seismic ground motion associated with the 31 March 2002 Hualien "331" earthquake, *TAO*, 15(4), 683-695. (SCI)
17. **H.Y. Chen**, L. Dai, C. Rizos, and S. Han, (2005), Ambiguity recovery using triple-differenced-type approach for long-range GPS kinematic positioning. *Marine Geodesy*, 28(2), 119-135.
18. **Chen H. Y.**, S. B. Yu, L. C. Kuo and C. C. Liu, (2006), Coseismic and postseismic displacements of the 10 December 2003 (MW 6.5) Chengkung, eastern Taiwan, earthquake, *Earth, Planets and Space*, 58, 5-21.
19. Lee, J. C. , Chu, H.T., J. Angelier, Hu, J.C., **Chen, H.Y.**, Yu, S.B, (2006), Quantitative analysis of co-seismic surface faulting and post-seismic creep accompanying the 2003, Mw=6.5, Chengkung earthquake in eastern Taiwan, *Journal of Geophysical Research*, 111 B02405, doi:10.1029/2005JB003612 (SCI).
20. **Horng-Yue Chen**, Shui-Beih Yu, Long-Chen Kuo and Hsueh-Yen Hu, (2006), Prominent Postseismic Displacements of the 2003 MW 6.5 Chengkung Earthquake in Eastern Taiwan, *Journal of Global Positioning Systems*, 5(1-2), 35-39.
21. Hu, J.C., Cheng, L.-W. **Chen, H.-Y.**, Wu, Y.-M., Lee, J.-C., Chen, Y.-G., Lin, K.-C., Rau, R.-J., Kuochen, H., Chen, H.-H., Yu, S.-B., Angelier J, (2007), Coseismic deformation revealed by inversion of strong motion and GPS data: the 2003 Chengkung earthquake in eastern Taiwan. *Geophys. J. Int.*, doi: 10.1111/j.1365-246X.2007.03359.x. (SCI)
22. **Chen, H.Y.**, J.C.Lee, L.C. Kuo, S.B. Yu and C.C. Liu, (2008), Coseismic surface GPS displacement and ground shaking associated with the 2006 Pingtung earthquake doublet, offshore southern Taiwan. *TAO*, 19(6), 683-696.

23. Satirapod C., **Chen H.Y.** and Prakhammintara P., (2008), First experiences of automated processing of Thai permanent GPS observations for ground deformation monitoring and earthquake studies, *International Journal of Geoinformatics*, 4(4),33-38.
24. Cheng, L.W., J.C. Lee, J.C. Hu, and **H.Y. Chen**, (2009), Coseismic and postseismic slip distribution of the 2003 Mw=6.5 Chengkung Earthquake in eastern Taiwan: elastic modeling from inversion of GPS data. *Tectonophysics*, 466, 335-343(SCI)
25. Hsu, Y.J., S.B. Yu, and **H.Y. Chen**, (2009), Coseismic and postseismic deformation associated with the 2003 Chengkung, Taiwan earthquake. *Geophysical Journal International*, 176(2), 420-430.(SCI)
26. Hsu, Y. J., S. B. Yu, M. Simons, L. C. Kuo, and **H. Y. Chen**, (2009), Interseismic crustal deformation in the Taiwan plate boundary zone revealed by GPS observations, seismicity, and earthquake focal mechanisms, *Tectonophysics*, 479, 4-18.
27. **Chen, H.Y.**, Y.J. Hsu, J.C. Lee, S.B. Yu, L.C. Kuo, Y.L. Jiang, C.C. Liu and C.S. Tsai, (2009), Coseismic Displacements and Slip Distribution from GPS and Leveling Observations for the 2006 Peinan Earthquake (Mw 6.1) in Southeastern Taiwan, *Earth Planets Space*, 61, 1-20. IESAS1311
28. 陳宏宇,余水倍,陳鶴欽,曾耀賢,(2009), 台灣地區中長距離GPS動態定位成果與精度分析。地籍測量 , 28 卷第三期 , 1-14。
29. **Horng-Yue Chen**, Shui-Beih Yu, Hsin Tung, Toshiaki Tsujii, Masataka Ando, (2011), GPS medium-range kinematic positioning for the seafloor geodesy off eastern Taiwan, *Engineering Journal*, 15(1), 17-24, doi:10.4186/ej.2011.15.1.17.
30. Hsu, Y. J., S. B. Yu, L. C. Kuo, Y. C. Tsai, and **H. Y. Chen**,(2011), Coseismic deformation of the 2010 Jiashian, Taiwan earthquake and implications for fault activities in southwestern Taiwan, *Tectonophysics*, 502, 328-335, doi: 10.1016/j.tecto.2011.02.005.
31. Tsai, M.C., S.B. Yu, Y.R. Hsu, **H. Y. Chen**, H.W. Chen, (2012), Interseismic crustal deformation of frontal thrust fault system in the Chiayi-Tainan area, Taiwan. *Tectonophysics*, 554–557, 169-184, <https://doi.org/10.1016/j.tecto.2012.05.014>
32. **Chen, H.Y.**, J.C. Lee, H. Tung, S.B. Yu, Y.J. Hsu, H. Lee, (2012), Determination of vertical velocity field of southernmost Longitudinal Valley in eastern Taiwan: a joint analysis of leveling and GPS measurements. *TAO*, 23(4), doi: 10.3319/TAO. 2012.02.29.01.
33. Ray Y. Chuang, M. Meghan Miller, Yue-Gau Chen, **H. Y. Chen**, J. Bruce H. Shyu, Shui-Beih Yu, Charles M. Rubin, Kerry Sieh, Ling-Ho Chung, (2012), Interseismic deformation and earthquake hazard along the southernmost Longitudinal Valley fault, eastern Taiwan. *BSSA*, 102(4), 15691582.
34. **Chen, H.Y.**, J.C. Lee, H. Tung, S.B. Yu, .Y.J. Hsu, H. Lee, (2013), A new velocity field from a dense GPS array in the southernmost Longitudinal Valley, southeastern Taiwan. *TAO*, 24(5), 837862.
35. Hsu, Y. J., R.F.Chen, C.W.Lin, **H.Y.Chen**, S.B.Yu, (2014), Seasonal, long-term, and short-term deformation in the Central Range of Taiwan induced by landslides. *Geology*, 42, 991-994.
36. **H-Y. Chen**, L-C. Kuo, J-C. Lee, H. Tung, S-H. Su, S-S. Yao, H. Lee, (2015), Reducing distance dependent bias in low-cost single frequency GPS network to complement dual frequency GPS stations in order to derive detailed surface deformation field. *Survey Review*, 47(340), 7-17 <http://dx.doi.org/10.1179/1752270614Y.0000000095>,
37. H. Lee, J.-O. Lee, T. A. Musa & **H.-Y. Chen**, (2016), A novel approach to design measurement models of single-frequency GPS receivers for cost-effective structural monitoring networks, *Survey Review*, 1-11.
38. Hsin Tung, **Horng-Yue Chen**, Jyr-Ching Hu, Kuo-En Ching , Hongey Chen, Kuo-Hsin Yang, (2016), Transient deformation induced by groundwater change in Taipei metropolitan area revealed by high resolution X-band SAR interferometry, *Tectonophysics*, 692, 265–277.
39. Linlin Ge , Alex Hay-Man Ng , Zheyuan Du , **Horng-Yue Chen**, Xiaojing Li, (2017), Integrated space geodesy for mapping land deformation over Choushui River Fluvial Plain, Taiwan, *International journal of remote sensing*, 38(22), 6319-6345.
40. **Chen, Horng-Yue**, Ryoya Ikuta, Cheng-Horng Lin, Ya-Ju Hsu, Takeru Kohmi, Chau-Chang Wang, Shui-Beih Yu, Yoko Tu, Toshiaki Tsujii, Masataka Ando, (2018), Back-Arc Opening in the Western

- End of the Okinawa Trough Revealed From GNSS/Acoustic Measurements, *Geophysical Research Letters*, 45(1), 137-145, DOI: 10.1002/2017GL075724.
41. Hsu, Ya-Ju, Yen-Ru Lai, Rey-Jer You, **Horng-Yue Chen**, Louis S. Teng, Yi-Chuen Tsai, ChiHsien Tang, and Hsuan-Han Su, (2018), Detecting rock uplift across southern Taiwan mountain belt by integrated GPS and leveling data, *Tectonophysics*, 744, 275-284.
<https://doi.org/10.1016/j.tecto.2018.07.012>
 42. Tung, H, **H. Y. Chen**, Y. J. Hsu, J. C. Hu, Y. H. Chang, and Y. T. Kuo, (2019), Triggered slip on multifaults after the 2018 Mw 6.4 Hualien earthquake by continuous GPS and InSAR measurements, *Terr. Amos. Oceanic Sci.*, 30(3), 285-300 DOI: 10.3319/TAO.2019.04.03.01
 43. **Chen, Horng-Yue***, Hsin Tung, Ya-Ju Hsu, HungKyu Lee, (2019), Evaluation of Single-frequency Receivers for Studying Crustal Deformation at the Longitudinal Valley Fault, Eastern Taiwan, *Survey Review*. 52(374), 454-462 doi: 10.1080/00396265.2019.1634340
 44. Hsin Tung, **Horng-Yue Chen**, Ya-Ju Hsu, Jyr-Ching Hu, Yo-Ho Chang, and Yu-Ting Kuo, (2019), Triggered slip on multifaults after the 2018 Mw 6.4 Hualien earthquake by continuous GPS and InSAR measurements, *Terrestrial, Atmospheric and Oceanic Sciences*, 30, 285-300, doi: 10.3319/TAO.2019.04.03.0
 45. **Horng-Yue Chen**, Ryoya Ikuta*, Ya-Ju Hsu, Toshiaki Tsujii, Masataka Ando, Yoko Tu, Takeru Kohmi, Kiyomichi Takemoto, Koto Mizuno, Hsin Tung, Chin-Shang Ku and Cheng-Horng Lin, (2021), A Decade of Global Navigation Satellite System/Acoustic Measurements of Back-Arc Spreading in the Southwestern Okinawa Trough, *Front. Earth Sci.*,
<https://doi.org/10.3389/feart.2021.601138>
 46. **Horng-Yue Chen**, Jian-Cheng Lee, Hsin Tung, Chien-Liang Chen, Hung Kyu Lee, (2021), Variable vertical movements and their deformation behaviors at convergent plate suture: 14-year-long (2004-2018) repeated measurements of precise leveling around middle Longitudinal Valley in eastern, *Journal of Asian Earth Sciences*, (accepted).

(B) 研討會論文 :

Conference Papers:

1. Yu, S.B., **H.Y. Chen**, and L.C. Kuo, (1995), Velocity field of GPS stations in Taiwan area: International Conference and 3rd Sino-French Symposium on " Active Collision in Taiwan" (ACT), 22-23 March, 317-327.
2. 莊王熊, 陳宏宇, 林榮富, 余水倍, (1995), 微調及固定 GPS 衛星軌道資料對長基線精度之影響比較: 第十四屆測量學術及應用研討會論文集, 台中, 臺灣, 103-117.
3. Yu, S.B. and **H.Y. Chen**, (1996), Spatial variations of crustal strain in the Taiwan area, Proc. 6th Taiwan Symp. on Geophysics, Chiayi, Taiwan, 659-668.
4. 余水倍, 郭隆晨, 陳宏宇, (1997), 全球定位衛星觀測之台灣現今地殼運動: 第十六屆測量學術及應用研討會論文集, 中壢, 臺灣, 1-7.
5. Rizos, C., S. Han, and **H.Y. Chen**, (1998), Carrier phase-based, medium-range, GPS rapid static positioning in support of geodetic applications: algorithms and experimental results. *Spatial Information Science and Technology (SIST'98)*, Wuhan Technical University of Surveying and Mapping, Wuhan, P.R. China, 13-16 December, 7-16.
6. **Chen, H.Y.**, C. Rizos, and S. Han, (1999), Rapid static medium-range GPS positioning techniques for geodynamic applications. *4th Australasian Symp. on Satellite Navigation Technology and Applications*, Brisbane, Australia, 20-23 July, paper 49, 12pp
7. Rizos, C., C. Satirapod, **H.Y. Chen** and S. Han, (1999), GPS with multiple reference stations:

- surveying scenarios in metropolitan areas. *40th Aust. and 6th S.E. Asian Surveyors Congress*, Fremantle, Australia, 30 October - 5 November, 37-49.
8. **Chen, H.Y.**, (2000), An instantaneous ambiguity resolution procedure suitable for medium-scale GPS reference station. *Proc. 13th Int. Tech. Meeting of the Satellite Division of the U.S. Inst. of Navigation*, Salt Lake city, Utah, 19-22 September, 1061-1070.
 9. Ge, L., **H.Y. Chen**, S. HAN, C. Rizos, F. Vespe and W. Schlueter, (2000), The integration of collocated GPS, VLBI and SLR results. *Proc. 13th Int. Tech. Meeting of the Satellite Division of the U.S. Inst. of Navigation*, Salt Lake City, Utah, 19-22 September, 1525-1535.
 10. Ge L., **H.Y. Chen**, S. Han, and C. Rizos, (2001), Integrated GPS and interferometric SAR techniques for highly dense crustal deformation monitoring. *Proc. 14th Int. Tech. Meeting of the Satellite Division of the U.S. Inst. of Navigation*, Salt Lake City, Utah, 11-14 September.
 11. 陳宏宇, 郭隆晨, 余水倍, 莊王熊, (2001), QIF 後處理方法用於中長距離之動態高精度 GPS 相對定位: 第二十屆測量學術及應用研討會論文集, 中壢, 臺灣, 645-652.
 12. **Horng-Yue Chen**, Long-Chen Kuo, Wang-Shung Chung, and Shui-Beih Yu, (2002), Using QIF post-processing algorithm for medium-range kinematic high accuracy GPS relative positioning. *2002 International Symposium on GPS/GNSS*, Wuhan, China, 6-8 November.
 13. **Horng-Yue Chen**, Long-Chen Kuo, Wang-Shung Chung, and Shui-Beih Yu, (2003), Seismic ground motion observed by the Taiwan continuous GPS array - in the case of 31 March 2002 hualien earthquake. *2003 Int. Symp. on GPS/GNSS*, Tokyo, Japan, 15-18 November, 493-501
 14. **Horng-Yue Chen**, Yun-Rui Chuang, Shui-Bei Yu and Hsueh-Yen Hu, (2004), GPS measurements of near-fault crustal deformation in the south Longitudinal Valley southeastern Taiwan. *2004 Int. Symp. on GPS/GNSS*, Sydney, Australia, 6-8 December, Paper No. 27.
 15. **Horng-Yue Chen**, Shui-Beih Yu, Long-Chen Kuo and Hsueh-Yen Hu, (2005), Prominent postseismic displacements of the 2003 MW 6.5 Chengkung earthquake in eastern Taiwan *2005 Int. Symp. on GPS/GNSS*, Hong Kong, 8-10 December, Paper No. 8B.
 16. **Horng-Yue Chen**, Shui-Beih Yu, Long-Chen Kuo and Hsueh-Yen Hu, (2006), Movement behavior of the continuous recording GPS stations after the 2003 MW 6.5 Chengkung earthquake in eastern Taiwan, Int. Symp. on GPS/GNSS, Jeju, Koera, 18-20 October, 297-301.
 17. **Horng-Yue Chen**, Min-Chien Tsai, Shui-Bei Yu, Shi-sheng Yao, (2008), Determination the interseismic displacement of near-fault crustal deformation in the south Longitudinal Valley, southeastern Taiwan, Int. Symp. on GPS/GNSS, Tokyo, Japan, 11-14 October.
 18. Chalermchon Satirapod, **Horng-Yue Chen** and Phuwieng Prakhammintara, (2008), First experience on automated processing of Thai permanent GPS observations for ground deformation monitoring and earthquake study, Int. Symp. on GPS/GNSS, Tokyo, Japan, 11-14 October.
 19. **Horng-Yue Chen**, Shui-Beih Yu, He-Chin Chen, Yao-Hsien Tseng, Shi-sheng Yao, (2009), Analysis and Estimation of GPS Medium-Range Kinematic Positioning in the Taiwan Area, Int. Symp. on GPS/GNSS, Jeju, Korea, 04-06 November.
 20. **Horng-Yue Chen**, Hsin Tung, Jian-Cheng Lee, Shui-Beih Yu, and Shi-Sheng Yao, (2010), Combine with Precise Leveling, GPS and InSAR to Determine the Vertical Inter-seismic Displacement in Southeastern Taiwan, Int. Symp. on GPS/GNSS, Taipei, Taiwan, 25-28 October.
 21. **Horng-Yue Chen**, Shui-Beih Yu, Hsin Tung, Yi-Chuen Tsai, and Masataka Ando, (2010), GPS Medium-Range Kinematic Positioning for the Seafloor Geodesy off Eastern Taiwan, Int. Symp. on GPS/GNSS, Taipei, Taiwan, 25-28 October.
 22. **Horng-Yue Chen**, Hsin Tung, Shui-Beih Yu, (2011), A new velocity field from a dense GPS array in south eastern Taiwan, GPS/GNSS conference in University of New South Wales, Sydney, NSW, Australia, 15 – 17 November, IGNSS Symposium peer review No1.
 23. **Horng-Yue Chen**, Shui-Beih Yu, Masataka Ando, (2012), Analysis of GPS medium-range kinematic positioning accuracy off Ilan Taiwan, GPS/GNSS conference in Xian, China, 31 Oct. – 027 November.

(C) 專書、技術報告：

Technical Reports:

1. 余水倍, 陳宏宇, 郭隆晨, 侯進雄 (1995) 台北盆地活動斷層及地盤下陷水準測量：八十四年度台北盆地地下地質與工程環境綜合調查研究, 中央地質調查所報告第 84-014 號, 52 頁.
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