

88 年度下半年暨 89 年度國家標準實驗室計畫執行成果摘要表 論文

計畫名稱	中文	建立及維持我國時間與頻率國家標準		
計畫編號	英文	The Maintenance and New Technology Establishment of National Standard for Time and Frequency		
計畫編號	TL-001-P301(89)			
執行單位	中華電信研究所		執行期間	88 年 7 月至 89 年 12 月
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成果名稱	中文	亞太計量組織 GPS 共同觀測比對活動先期報告		
	英文	Preliminary Report on the APMP GPS Common-View Observations		
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撰寫日期	中華民國 89 年 10 月 26 日		撰寫語言及頁數	英文 6 頁
解密期限	中華民國 年 月底解密		機密級	
關鍵詞	1. APMP			
	2. GPS common-view			
	3. Time Difference			
	4. Linear Regression			
	5. Standard Deviation			
內容摘要：				
<p>In order to enhance the cooperative relationship between Asia-Pacific laboratories, a GPS (Global Positioning System) common-view observations was carried out around the first meeting of APMP (Asia-Pacific Metrology Programme) TCTF (Technical Committee on Time and Frequency). The observations were scheduled according to the recommendation of BIPM (Bureau International des Poids et Mesures) at the period from October 1 to November 30, 1999. A total of 13 laboratories participated in this activity and 9 laboratories sent the data generated by their own GPSCV receiver to Telecommunication Laboratories (TL) in Taiwan. The differences between Communications Research Laboratory (CRL) in Japan and the other laboratories were calculated for each common-view track. In this report, the frequency trend at this period, the average difference values, i.e. UTC(CRL)-UTC(LAB), and the standard deviation characterizing the dispersion of individual measurements, are presented.</p>				