

Delay Estimates Ottawa - Tokyo

24/3/92

	19.2 Kbit/s	64 Kbit/s
Total Estimated Round Trip Delay (ms) (Excluding host processing time)	621	285

Link Rate (kbit/s) 19.2

	Data	TCP/IP	HDLC	Total
Test Message	500	40	4	544
Repeater Spacing (km)			40	
Repeater Delay (us)			10	
Fiber propogation delay (us/km)			5	
Propogation Delay = #km*5us/km+#km/40*10us				

Ottawa - Washington - San Francisco - Tokyo

Include message length Yes

Link	Distance		Link Speed	Mess Length	Prop Delay	One Way	Two Way
	m	km		(ms)	(ms)		(ms)
Ottawa - Washington		450	720	19.2	227	4	230
Washington - San Francisco		2440	3904	19.2	0	20	20
San Francisco - Tokyo		5140	8224	19.2	0	43	43
			12848	Add message once			588

Link	Distance		Link Speed	Mess Length	Prop Delay	One Way	Two Way
	m	km		(ms)	(ms)		(ms)
Ottawa - Washington		450	720	64	68	4	72
Washington - San Francisco		2440	3904	64	0	20	20
San Francisco - Tokyo		5140	8224	64	0	43	43
			12848	Add message once			271