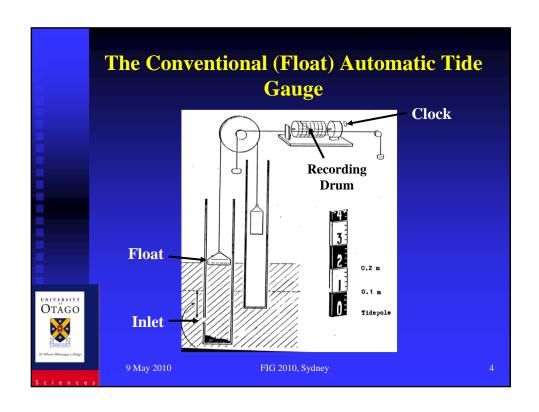
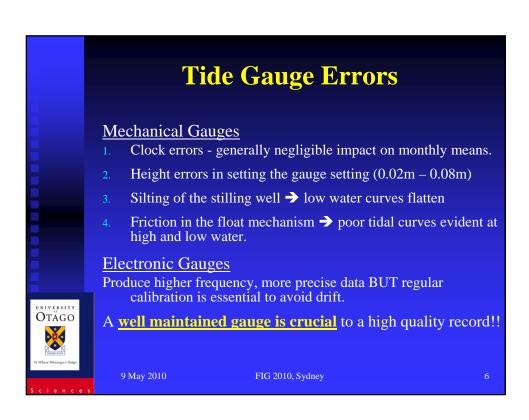


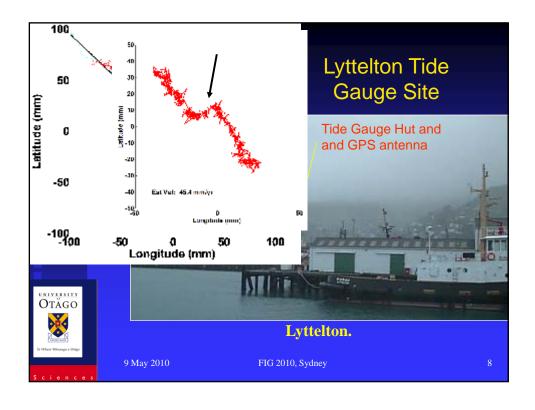
## Possible Errors in the Sea Level Analysis Process 1. Tide Gauge Errors 2. Datum Errors 3. Analysis Errors 4. Geophysical effects 9 May 2010 FIG 2010, Sydney 3

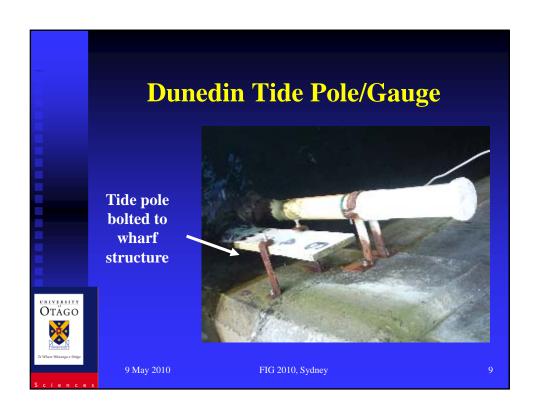


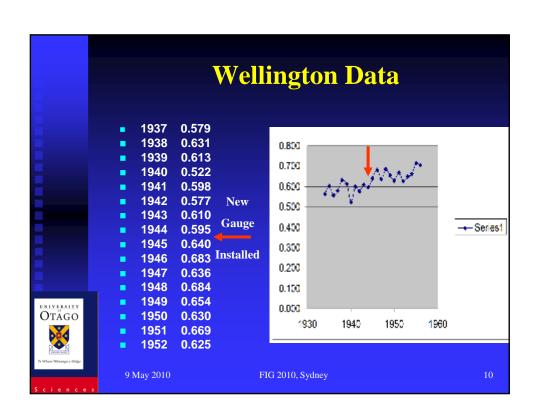


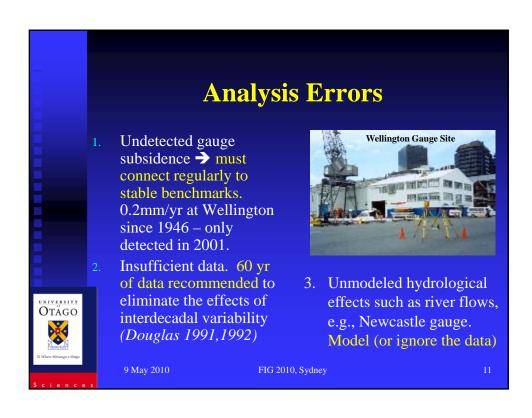


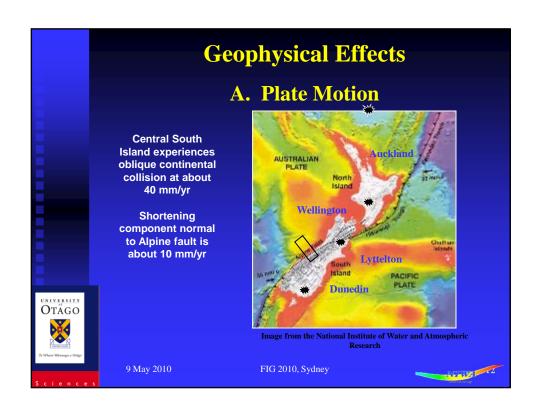
## Datum Errors (The single greatest problem to resolve) Movement of the tide board (pole) - boats/ships collide with wharf pile - worn fittings - incorrect replacement Movement of the tide gauge to a new location Movement in the tide gauge benchmarks Changes in the setting of the datum. Errors characterized by a sudden offset in the tidal record. 9 May 2010 FIG 2010, Sydney 7

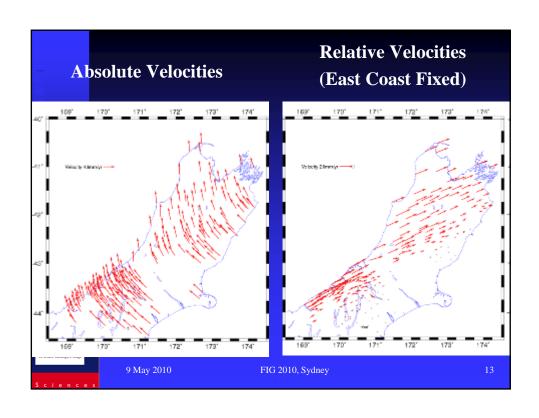


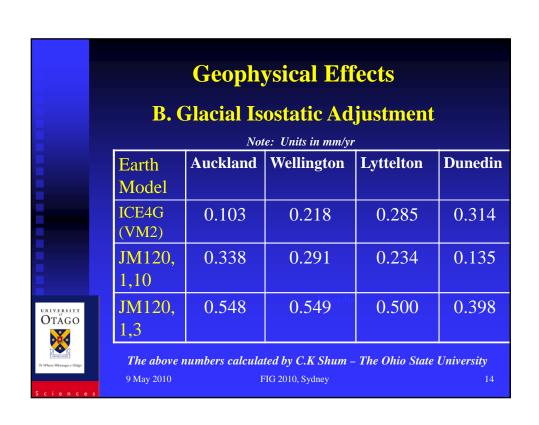












	Results fro	m the	New 2008 Analysis	
	Relative Sea level rise trends		<u>rends</u> <u>Glacial Isostatic</u> <u>Adjustment</u>	
	Auckland	1.48	$(\pm 0.09) \text{ mm/yr } + 0.33 \text{ mm/yr}$	
	New Plymouth	1.24	(± 0.32 mm/yr	
	Wellington	2.00	$(\pm 0.17) \text{ mm/yr } + 0.35 \text{ mm/yr}$	
UNIVERSITY OTAGO	Lyttelton	1.90	$(\pm 0.10) \text{ mm/yr } + 0.34 \text{ mm/yr}$	
	Dunedin	1.28	$(\pm 0.09) \text{ mm/yr } + 0.28 \text{ mm/yr}$	
TEWhare Wilmanga o Otágo	9 May 2010	FIG	FIG 2010, Sydney 15	



