



# Australian Government

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## Geoscience Australia

### Geodetic Connections to Tide Gauge at Stony Point

#### RESULTS OF OPTICAL LEVELLING

Bench Mark Name	STNY	STNY BM	Bittern PM 351	Bittern PM 259	Bittern PM 260	Bittern PM 273	Bittern PM 274	Bittern PM 304	T.G. Ext. Datum	New T.G. Ext. Datum
AHD Ht (m) Jul 87	-	-	-	3.5240	2.988	2.656	2.824	-	-	
AHD Ht (m) Sep 88	-	-	-	3.5240	2.988	2.656	2.824	-	-	
AHD Ht (m) Feb 90	-	-	--	3.5240	2.989	2.658	2.827	-	-	
AHD Ht (m) Feb 91	-	-	-	3.5240	2.988	2.656	2.825	-	-	
AHD Ht (m) Nov 96	-	-	-	3.5240	2.9818	2.6540	2.8260	-	3.3521	
AHD Ht (m) Feb 98	-	-	-	3.5240	2.9807	2.6539	2.8264	-	3.3527	
AHD Ht (m) Aug 98	-	-	-	3.5240	2.9805	2.6535	2.8251	-	3.3511	
AHD Ht (m) Jul 99	-	-	-	3.5240	2.9799	2.6539	2.8266	-	3.3524	
AHD Ht (m) Nov 00	-	-	-	3.5240	2.9790	2.6532	Destroyed	-	3.3513	
AHD Ht (m) Jul 02	-	-	-	3.5240	2.9786	2.6524	-	2.8177	3.3509	
AHD Ht (m) Feb 05	-	-	-	3.5240	2.9777	2.6521	-	2.8182	3.3523	
AHD Ht (m) Feb 07	-	-	-	3.5240	2.9770	2.6498	-	2.8176	3.3518	
AHD Ht (m) Apr 10	-	-	-	3.5240	2.9755	2.6495	-	2.8188	3.3533	
AHD Ht (m) Jun 11	25.6974	24.4449	2.8354	3.5240	-	2.6493	-	2.8179	3.3512	
AHD Ht (m) Feb 13			2.8351	3.5240	-	2.6491	-	2.8186	3.3520	
AHD Ht (m) Apr 15	25.6953	24.4428	2.8349	3.5240	-	2.6491	-	2.8183	3.3518	
AHD Ht (m) May 17	25.6968	24.4443	2.8351	3.5240	2.9732	2.6491	-	2.8185	3.3517	
AHD Ht (m) Mar 19	25.6960	24.4435	2.8350	3.5240	2.9727	2.6487	-	2.8186	Elevated	3.8962

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<b>Comments</b>	CORS pillar ARP	CORS pillar level BM (P209-1)	P209-2H	Coastal array BM (1404-2H)	ASO Plaque. Coastal array BM (1404-4).	NMV/D/11 0. Coastal array BM (1404-5).	87704. Coastal array BM (1404-6)	1465-1	Seaframe sensor recovery BM.	New Seaframe sensor recovery BM.
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Note: Seaframe sensor modified between 2017 and 2019 monitoring surveys. As such, TG External Datum raised by approximately 0.5m and is effectively a new TG External Datum.