



Australian Government

Geoscience Australia

Geodetic Connections to Tide Gauge at Darwin

RESULTS OF OPTICAL LEVELLING

| Bench Mark Name | NTS302 NM/G/21 491 | BM 4565 | BM 4564 | BM 4479 | BM 4480 | BM 4478 | BM 4481 | BM 4482 | BM 4566 |
|-------------------------------------|--|----------------------------------|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------------------|
| AHD Ht (m) May 1994 | 28.542 | 27.298 | 27.228 | 6.368 | 6.343 | 6.309 | 5.941 | 5.801 | 6.374 |
| AHD Ht (m) Jun 1995 | 28.542 | 27.2983 | 27.2281 | 6.3684 | 6.3428 | - | 5.9404 | 5.8006 | 6.3746 |
| AHD Ht (m) Jul 1999 | 28.542 | 27.2982 | 27.2285 | 6.3699 | - | 6.3109 | - | 5.8025 | 6.3764 |
| AHD Ht (m) Nov 2001 ² | 28.542 | 27.2981 | 27.2282 | 6.3672 | - | 6.3085 | - | 5.8015 | 6.3763 |
| AHD Ht (m) Jul 2003 | 28.542 | 27.29838 | 27.22845 | - | - | - | - | - | 6.37737 |
| AHD Ht (m) Jul 2005 | 28.542 | 27.29815 | | 6.3085 | - | - | - | - | 6.37786 |
| AHD Ht (m) 2007 | 28.542 | 27.29844 | 27.22848 | - | - | - | - | - | 6.37556 |
| Comments | Coastal array primary BM. Datum for AHD heights | Coastal array BM ¹ | Coastal array BM | NOAA seaframe array BM | NOAA seaframe array BM | NOAA seaframe array BM | NOAA seaframe array BM | NOAA seaframe array BM | Seaframe sensor bench mark |

¹ Used as datum for Nov 2001 observations

² Class L2A observations, Leica NA 3000.